Drinking Water Facilities Funding Applications
June 2016

June 23, 2016
Item 19

TITLE: Drinking Water Facilities Funding Applications

EXPLANATION: The following applications have been received by DENR for funding consideration at this meeting. The projects are listed in priority point order as shown in the Intended Use plan, and the points are listed in parentheses.

a. Midland (112)
b. Viborg (84)
c. Lead (16)
d. Elk Point (10)
e. Bridgewater (8)
f. Canistota (4)

COMPLETE APPLICATIONS: Application cover sheets and WRAP summary sheets with financial analysis have been provided as part of the board packet. Complete applications are available online and can be accessed by typing the following address in your internet browser:

http://denr.sd.gov/bwnrapps/BWNRappsdwf0616.pdf

If you would like hard copies of the applications, please contact Andy Bruels at (605) 773-4216.

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: Town of Midland

Project Title:	Water Distribution and Storage Improvements Project
Funding Requested:	$715,000
Total Project Cost:	$715,000
Project Description:	The town of Midland has had haloacetic acid (HAA5) violations. Installing a new water storage facility with a new mixing system and looping the watermains will help correct water quality issues. The project consists of a new 53,000-gallon ground storage facility with a new mixing system as well as the construction of 3,220 feet of 6-inch main to loop the system.
Alternatives Evaluated:	"74,000-Gallon Ground Storage Reservoir" alternative proposes to construct a 74,000-gallon ground storage reservoir and mixing system to replace the existing one. This alternative was considered but not recommended due to the size of the tank and the concern that thermal stratification may be affecting HAA5 levels. "53,000-Gallon Ground Storage Reservoir" alternative proposes to construct a 53,000-gallon ground storage reservoir and mixing system to replace the existing one. This alternative was considered and selected as it was the most cost effective and practical. "New Meter Vault and Multiple Control Valves" alternative would remove the reservoir and tie Midland's system directly into the rural water system without the means of storage. This alternative was considered but not selected as it did not leave Midland with the one-day demand should the system be disconnected from the rural water system due to repairs or breaks. "Distribution Improvements" alternative would loop Midland's distribution system, eliminating the dead ends in the system.
Implementation Schedule:	The town of Midland anticipates bidding the project in June 2016 with a project completion date of November 2016

Service Population: 123

Current Domestic Rate: $25.00 per 5,000 gallons

Interest Rate: 2.25% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If all funding is provided as loan Midland would have to establish a surcharge of approximately $30.25. When added to current rate of $25/5,000 gallons residents would be paying $55.15/5,000 gallons. However projected operation and maintenance costs indicate that approximately $33/month is required to cover operation and maintenance costs. Midland needs to increase its water rate approximately $8/month to cover operation and maintenance costs. Total rates will be $63.25/5,000 gallons.

25% Funding Subsidy:	$178,750 subsidy with a loan of $536,250.
Coverage at 25% Subsidy:	Based on a 25% subsidy and a loan of $536,250 Midland would have to establish a surcharge of approximately $22.60 thereby paying a rate $55.60/5,000 gallons.

50% Funding Subsidy:	$375,500 subsidy with a loan of $375,500.
Coverage at 50% Subsidy:	Based on a 50% subsidy and a loan of $375,500 Midland would have to establish a surcharge of approximately $15.85 thereby paying a rate $48.85/5,000 gallons.

75% Funding Subsidy:	$536,250 subsidy with a loan of $178,750.
Coverage at 75% Subsidy:	Based on a 75% subsidy and a loan of $178,750 Midland would have to establish a surcharge of approximately $7.55 thereby paying a rate $40.55/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

RECEIVED

DEC 3 1 2015

Division of Financial
& Technical Assistance

SD EForm - 2126LD V4

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: Town of Midland Address: PO Box 232 Midland, South Dakota 57552-0232 Subapplicant: N/A DUNS Number: 784377868	Proposed Funding Package The Town is applying for a CDBG which may lessen the amount needed from SDDENR. Requested Funding $715,000 Local Cash Other: Other: Other: TOTAL $715,000

Project Title: Midland Water Project

Description:

The Town of Midland proposed to undertake water system improvements including storage and distribution. While the town is connected to the West River/Lyman-Jones RWS for its drinking water supply, the community has been in violation for HAA5 a primary drinking water standard. The construction of a new water storage facility with a mixing system and the looping of mains will help correct water quality issues. The town's 75,000 gallon existing water storage facility was constructed in the 1960's and has seen its useful life --the tank has been leaking for over 10 years and has had numerous repairs. In addition, the storage facility does not have a mixing system which contributes to the HAA5 violation. The proposed new storage facility will be a 53,000 gallon ground storage facility with a mixing system, necessary gates, valves, tees, water main tie in and necessary appurtenances. The old tank will then be demolitions. The town also proposes to undertake the looping of the system water system in order to provide better water quality. The distribution improvement include approximately 3,220 feet of 6" main, gates, valves, tees, and necessary appurtenances. Health risks associated with long-term HAA5 include cancer, anemia, dry skin, miscarriages, underdeveloped brain cells among fetuses and babies, etc. Currently, the inside municipal limits monthly water rate is $25/5000 gallons, plus $2.50 for each additional 1,000 gallons; while the outside municipal limit monthly rate is $29.00/5000 gallons, plus $2.50 for each 1,000 gallons. If the entire project is undertaken at once and no grant funds are received, the water rate will increase by $27.62/month/user or $52.62/5000 gallons for inside municipal limit users and $56.62/month/ users for outside municipal limit users. These rates are based on a $715,000 loan at 2.25% for 30 years and there are 109 users.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Diana Baeza, Town Board President	Diana Baeza	12/28/2015
Name & Title of Authorized Signatory (Typed)	Signature	Date

Professional Consultants

Application Prepared By: Central South Dakota Enhancement District

Contact Person: Marlene Knutson

Mailing Address: PO Box 220

City, State, and Zip: Pierre, SD 57501

Telephone Number: 605-773-2782 Fax: 605-773-2784

Email address: mknutson@csded.org

Consulting Engineering Firm: Banner Associates, Inc.

Contact Person: Joe Munson, PE

Mailing Address: 2307 W 57th St., Suite 102

City, State, and Zip: Sioux Falls, SD 57108

Telephone Number: 605-692-6342 Fax: 605-692-5714

Email address: joem@bannerassociates.com

Legal Counsel's Firm: Riter Rogers Wattier & Northrup LLP or Riter Law Office

Contact Person: Jerry Wattier

Mailing Address: PO Box 280

City, State, and Zip: Ouerrem SD 57501

Telephone Number: 605-224-5825 Fax: 605-224-7102

Email address: j.wattier@ritterlaw.com

Bond Counsel's Firm: Meierhenry Sargent, LLP

Contact Person: Todd Meierhenry

Mailing Address: 315 S Phillips Avenue

City, State, and Zip: Sioux Falls, South Dakota 57104

Telephone Number: 605-336-3075 Fax: 605-336-2593

Email address: todd@meierhenrylaw.com

Budget Sheet

Cost Classification	A DWSRF/ CWFCP	B	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal & Bond Counsel	$14,550					$14,550
D. Other (Publications, audits, admin asst., etc.)	$5,500					$5,500
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	$51,450					$51,450
B. Project Inspection Fees	$66,650					$66,650
C. Other						
4. Construction & Improvements	$506,850					$506,850
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	$645,000					$645,000
10. Contingencies	$70,000					$70,000
11. Total (Lines 9 and 10)	$715,000					$715,000
12. Total %	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) DWSRF		$715,000	April 01, 2016
Other (Explain)			
Other (Explain)			
Total		$715,000	$715,000

Midland will be applying for a CDBG for this project which is not shown above As these funds are uncertain, they have not been included in the budget.

Other Funds to be Borrowed ---- N/A

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other	$0				
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January, 1

Population Served Current: 123 2010 129 2000 179

Top three employers within 30 miles	Number of Employees	Type of Business
Kadoka Area School District	62 Midland and Kadoka Sites Only	Education
Philip Health Care	171	Health Care
Scotchman Industries	75	Manufacturing-Metal Fabrication

Repayment Information

Interest rate you are applying for: 2.25% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation Bond (Requires Bond Election)
- ☐ 2. Revenue Bond
- ☒ 3. Project Surcharge Revenue Bond
- ☐ 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the drinking water fund. See attached 2013 & 2014 Annual Reports-2015 not completed
2. Current year's budget for the drinking water fund. See attached
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date. See attached
2. Resolution of authorized signatory for submission of the Drinking Water Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database. See attached

   (https://www.sam.gov)
4. Facilities Plan. On file with SDDENR
5. Cultural Resources Effects Assessment Summary for SRF Projects.
6. Capacity Assessment Worksheets. See attached

Items 7-9 apply to Non-profit Entities only

7. By-laws.
8. Articles of Incorporation.
9. Certificate of Good Standing from Secretary of State.

Drinking Water Fund Debt Information

This section is not applicable!
Midland had not drinking water debt!

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Drinking Water Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2013	2014	2015	2016	2017	2018
Operating Revenue						
Base Fees	$23,944	$25,388	$31,298	$38,000	$38,000	$38,000
Surcharge Fees	0	0		$24,083	$36,125	$36,125
Other (Explain) meter purchases connection fees, etc.	$790	$1,665	$1,935	$1,500	$1,500	$1,000
Operating Expenses						
Personal Services	($9,995)	($11,155)	($10,433)	($10,000)	($11,000)	($11,500)
Chemical, Material & Supplies	($21,453)	($18,718)	($31,054)	($24,320)	($25,000)	($25,000)
Electric & Other Utilities	($1,360)	($1,215)	($661)	($1,200)	($1,215)	($1,230)
Other (Explain) lab fees, mtr refunds membership fees, etc.	($485)	($1,673)	($1,935)	($1,900)	($1,500)	($1,500)
Operating Net Cash	($8,559)	($5,708)	($10,850)	$26,163	$36,910	$35,895
Nonoperating Cash Flow						
Interest Revenue						
Transfers In (Explain) from general fund	$8,752	$5,709	$3,156			
Fixed Asset Purchases						
Transfers Out (Explain)						
Principal Debt Payments					($16,894)	($17,277)
Interest Debt Payments					($15,946)	($15,562)
Other (Explain) Income for a Boring			$7,694			
Nonoperating Net Cash	$8,752	$5,709	$10,850		($32,840)	($32,840)
Increase (Decrease) Cash	$193	$1	0	$26,163	$4,070	$3,055
Beginning Cash Balance	($192)	$1	$2	$2	$26,165	$30,235
Ending Cash Balance	$1	$2	$2	$26,165	$30,235	$33,290
Restricted Balance						$6,000
Unrestricted Balance	$1	$2	$2	$26,165	$30,235	$27,290

Explanations

In 2013, 2014, and 2015, Midland operated Potable (drinking water system) and non-potable (heating system) as one under water fund. Information above has been broken out to include only potable drinking water system. The overall reflects a balance of $2 cash in the potable water fund to go forward into 2016. Financial information in 2016 anticipates a surcharge in effect for 8 months. While the loan repayments etc. are based on 2.25% for 30 years with 106 users and no loan or grants are received. If the town could receive loan forgiveness or grant assistance so the loan amount is $300,000 then the surcharge needed would be only $11.92/month/user. The existing rate will need to stay in effect and may need to be raised at the end of 2016 to cover normal operation and maintenance costs.

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber

Drinking Water Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: [X] Incorporated Municipality or Sanitary District

or

[ ] Other Community System

Monthly	Current Rate	Proposed ** Rate	# of Accounts Currently	Average use Gallons/Cubic Feet
Domestic	$25.00 $29 Outside	$53.40 57.40 Outside	80	4300
Business	$25.00 $29 Outside	$53.40 $57.40 Outside	20	2200
Other: City Meters	$0.00		6	3000
Other:				

**This is the proposed rate if no grants or loans received based on 106 Users

Are fees based on usage or flat rate? usage

When is proposed fee scheduled to take effect? actual rate will be determined upon funding package completion

When did the current fee take effect? September, 2015

What was the fee prior to the current rate? $22.50/5000 gallons inside and $26.50/5000 gallons outside, plus $2.50 per gallon over 5000 gallons

Four Largest Customers	Type of Business	% of System Revenue
Dallas McKinley	Farm	4.27%
Uptown Lodging	Housing/Motel	3.59%
Midland Food & Fuel	Convience Store ,Rest.,Gas	3.48%
Reuben Vollmer	Farm	2.98%

Property Tax Information THIS SECTION IS NOT APPLICABLE!

(Complete section only if General Obligation bond is pledged to repay your loan.)

Three year valuation trend:

Year	_____	_____	_____
Assessed Valuation	_____	_____	_____

Three year levies and collection trend:

Year	_____	_____	_____
Amount Levied	_____	_____	_____
Collected	_____	_____	_____

Five Largest Taxpayers	Description	Assessed Valuation

Comments:

General Fund Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Sales Tax Information THIS SECTION IS NOT APPLICABLE!!

(Complete section only if sales tax is pledged to repay your loan.)

Sales tax revenue history for the most current fifteen months:

Month/Year	Amount Collected

Comments:

Sales Tax Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Drinking Water Facilities Plan document can be found at http://denr.sd.gov/dfta/wwf/dwsrf/dwfunding.aspx

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- Submission of a Facilities Plan to the department that addresses those items found in the Water Facilities Plan document. ☒
- A public hearing held discussing the project and the use of an SRF loan to finance the project. ☐
- Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan. ☐
- The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan. ☐
- The four review agencies contacted and responses received for inclusion into the final Facilities Plan. ☒
- The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. Forthcoming! ☐

Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$292,000
Treatment	
Storage	$423,000
Source	
System Purchase	
Restructuring	
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
Total	$715,000

Diana Baeza, Town Board President

Name & Title of Authorized Representative

Diana Baeza

Signature of Authorized Representative

12/28/2015

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Diana Baeza, Town Board President

Name & Title of Authorized Representative

Diana Baeza

Signature of Authorized Representative

12/28/2015

Date

☐ I am unable to certify to the above statements. Attached is my explanation

RESOLUTION #2015-01

RESOLUTION TO ESTABLISH NEW WATER RATES FOR THE TOWN OF MIDLAND, SD.

WHEREAS, the current water rates are not sufficient in order to qualify for federal grant funding as well as other bills incurred in the water department;

NOW, THEREFORE, BE IT RESOLVED by the Midland Town Board for Midland, South Dakota, that the water rates for all residential and commercial users shall be as follows:

Inside municipal boundaries -- $ 25.00 per month for 5,000 gallons, plus $ 2.50 for each additional 1,000 gallons

Outside municipal boundaries -- $ 29.00 per month for 5,000 gallons, plus $ 2.50 for each additional 1,000 gallons

BE IT FURTHER RESOLVED that these water rates shall go into effect immediately on the September 2015 water bills,

Dated this 8th day of September, 2015

Diana Baeza

Diana Baeza, President

Attest:

Michelle Meinzer

Michelle Meinzer, Finance Officer

USER NAME PASSWORD

LOG IN

Forgot Username? Forgot Password?

Create an Account

Entity Dashboard

Entity Overview
Entity Record
Core Data
Assertions
Reps & Certs
POCs
Reports
Service Contract Report
BioPreferred Report
Exclusions
Active Exclusions
Inactive Exclusions
Excluded Family Members
RETURN TO SEARCH

Midland, Town Of
DUNS: 784377868 CAGE Code: 73MF7
Status: Active

509 Main St
Midland, SD, 57552 ,
UNITED STATES

Expiration Date: 03/17/2016
Purpose of Registration: Federal Assistance Awards Only

Entity Overview

Entity Information

Name: Midland, Town Of
Business Type: US Local Government
POC Name: Michelle Meinzer
Registration Status: Active
Activation Date: 03/18/2015
Expiration Date: 03/17/2016

Exclusions

Active Exclusion Records? No

SAM | System for Award Management 1.0

IBM v1.P.24.20150116-1831
WWW2

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.

RESOLUTION NO. 2016-01

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the Town of Midland has determined it is necessary to proceed with improvements to its Water System, including but not limited to the a new water storage facility and water distribution improvements;

WHEREAS, the Town has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the Town and to certify and sign payment requests in the event financial assistance is awarded for the Project.

NOW THEREFORE BE IT RESOLVED by the Town Board as follows:

1. The Town Board hereby approves the submission of an Application for financial assistance in an amount not to exceed $715,000 to the South Dakota Board of Water and Natural Resources for the Project.

2. The Town Board President and/or Finance Officer is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.

3. The Town Board President and/or Finance Officer is hereby designated as the authorized representative of the Town to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at the Town of Midland Town Board meeting, Midland South Dakota, this 16th day of December, 2015.

This resolution is effective upon passage.

APPROVED:

Diana Baeza

Diana Baeza, Town Board President
Town of Midland

(Seal)

Attest: Michelle Meinzer

Michelle Meinzer, Finance Officer
Town of Midland

TOWN OF MIDLAND

MEETING MINUTES
January 12, 2016

The Town Board of the Town of Midland met in session on Tuesday, January 12, 2016 at 6:30 PM in the Town Hall with the following members present: Diana Baeza, Jared Fosheim, Rock Gillaspie, Finance Officer Michelle Meinzer and Utilities Operator Lawrence Stroppel.

Also present: Marlene Knutson, Central SD Enhancement Dist.; David LaFrance, Banner Associates; Jerry Nemec, Debb Vollmer, Margie Iwan and Sheriff Koester.

A public hearing for the Midland Water Project. Midland is proposing to undertake water system improvements which include water storage facility and water distribution at an estimated cost of $715,000. Marlene Knutson discussed the requirements for application involving CDBG and DENR funds. The project is being undertaken as the water storage facility is leaking and surpassed its useful life, while the looping of the distribution system will eliminate dead ends and provide for better quality water. The option of doing nothing is not acceptable due to the condition of the infrastructure. Proposed financing for the project includes CDBG funds and SDDENR funding. SDDENR funds if given all as a loan will be at 2.2% for 30 years which would result in a rate of approximately $53.40 user/month for 5,000 gallons/inside city limits. Outside site limit users would be an additional $4. Repayments amount were also discussed if the end result is a $515,000 loan, $300,000 and a $250,000 loan. SDDENR will review application and make offer to the Midland. Any loan repayments will come from water surcharges to the users. Also discussed was the option of going to Rural Development for loan which would be at a 2.5% interest rate up to 40 years.

Midland will be also applying for a CDBG Grant for the project. CDBG program requirements were discussed. The grant is available to benefit low to moderate income individuals. Midland is currently 54.55% low and moderate according to HUD statistics. At this time, the Midland updated their Community Development and Housing Needs Assessment Plan which had been developed in March of 2014. Projects were identified, prioritized by group consensus and ways to implement the projects were discussed. General categories discussed were water improvements, wastewater treatment improvements, streets, housing, sidewalks, recreational and beautification.

Motions were made by Fosheim, second by Gillaspie to pass Resolutions 2016-01, 2016-02 and 2016-03. Motion carried.

RESOLUTION # 2016-01

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS.

WHEREAS, the Town of Midland has determined it is necessary to proceed with improvements to its Water System, including but not limited to the a new water storage facility and water distribution improvements;

WHEREAS, the Town has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") will be prepared; and

WHEREAS, it is necessary to designate an authorized representative to execute and submit the Application on behalf of the Town and to certify and sign payment requests in the event financial assistance is awarded for the Project.

NOW THEREFORE BE IT RESOLVED by the Town Board as follows:

1. The Town Board hereby approves the submission of an Application for financial assistance in an amount not to exceed $715,000 to the South Dakota Board of Water and Natural Resources for the Project.

2. The Town Board President and/or Finance Officer is hereby authorized to execute the Application and submit it to the South Dakota Board of Water and Natural Resources, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance.

3. The Town Board President and/or Finance Officer is hereby designated as the authorized representative of the Town to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Adopted at the Town of Midland Town Board meeting, Midland South Dakota, this 12th day of January, 2016. This resolution is effective upon passage.

APPROVED:
Diana Baeza, Town Board President
Town of Midland

(Seal)
Attest: _____
Michelle Meinzer, Finance Officer
Town of Midland

RESOLUTION # 2016-02

WHEREAS, the Town of Midland has identified the need for water storage and distribution system improvements; and

WHEREAS, the Town of Midland proposes to undertake a water system improvements project; and

WHEREAS, the Town of Midland is eligible for Federal assistance for the proposed project, and

WHEREAS, the Town of Midland has held the required public hearing on Tuesday, January 12, 2016, at 6:30 p.m., and

WHEREAS, with the submission of the CDBG application the Town of Midland assures and certifies that all CDBG program requirements will be fulfilled,

THEREFORE, BE IT RESOLVED that the Town of Midland duly authorizes the Town Board President of Midland to sign and submit the CDBG application requesting up to $515,000 of funds.

This resolution is effective immediately upon passage.

Adopted this 12th day of January, 2016.

_____
Diana Baeza, Town Board President
Town of Midland, South Dakota

ATTEST: _____
Michelle Meinzer, Finance Officer
Town of Midland

RESOLUTION #2016-03

WHEREAS, the Town of Midland expects to be the recipient of a Community Development Block Grant from the US Department of Housing and Urban Development as administered by the State of South Dakota to undertake a water storage and distribution improvements project; and

WHEREAS, the Town of Midland is required to designate a certifying officer for the purpose of signing required documents pertaining to this grant;

NOW, THEREFORE BE IT RESOLVED, that the Town Board President of the Town of Midland, be hereby designated as the town's official for the purpose of signing the CDBG grant agreements, contracts, correspondence, pay requests, and other required documents; and

WHEREAS, the Town of Midland is required to designate an environmental certifying officer for the purpose of signing required environmental documents pertaining to this grant;

NOW, THEREFORE, BE IT RESOLVED, that the Town Board President of the Town of Midland, be hereby designated as the town's environmental certifying officer for the purpose of signing environmental correspondence and other required documents and forms.

This resolution is effective upon passage.

Dated this 12th day of January, 2016.

By: _____
Diana Baeza, Town Board President
Town of Midland

Attest: _____
Michelle Meinzer, Finance Officer
Town of Midland

A motion was made by Gillaspie, second by Fosheim to adopt the Community Development and Housing Needs Assessment Plan which is in order of priority by group consensus. Motion carried. This plan is on file for viewing at the City Finance Office.

Sheriff Koester met with the Board to discuss right of way issues. Koester will be visiting with parties concerning this issue.

Minutes from the December 9, 2015 meetings were approved as published.

Board appointed Stroppel and Meinzer as Utility Operator and Finance Officer, respectively, for the calendar year of 2016. To be made a matter of public record: Lawrence Stroppel is Utility Operator. Wages are $19.06 per hour at 40 hours per week, 75 % of health insurance ($442.15), $150.00 towards personal vehicle use, $50.00 for cell phone use, and 6% into SD Retirement System. Michelle Meinzer is Finance Officer. Wages are $800.00 per month plus $50.00 per month for cell phone use. Diana Baeza, Jared Fosheim and Rock Gillaspie are Trustees. Wages are $50.00 per meeting for President and $25.00 per meeting for Trustees.

Discussion was held to look into vision and dental insurance and discuss findings at a later date. A motion was made by Fosheim, second by Gillaspie to raise Stroppel's wages by 3% and Meinzer's wages by $25.00 per month. Board wages will remain the same as 2015. Motion passed unanimously.

Municipal Election is set for Tuesday, April 12, 2016. Gillaspie's seat for a Three (3) year term of Trustee is open in May.

A motion was made by Fosheim, second by Gillaspie to designate the Pioneer Review as the Official newspaper to publish minutes for the Town of Midland for the 2016 calendar year.

Operating agreements were renewed for Midland Food and Fuel and Loose Ends.
Stroppel gave his operator report: Topics discussed were insulating and organizing the back room, tractor repairs, snow removal, water classes in Pierre as well as equipment needed. Stroppel along with the Board would like to thank Randy Nemec for helping with snow removal as well as West Central Electric employees for their help putting up and taking down the Christmas lights. We appreciate it!!

A special meeting for our water facility plan will be held on December 16 at 6:30 MT.

A motion was made by Gillaspie, second by Fosheim to approve the following claims:

Electronic Federal Tax Payment System	Employee Tax	$ 1222.64
Lawrence Stroppel	Wages	2716.05
Lawrence Stroppel	Vehicle/phone	200.00
Michelle Meinzer	Wages/phone/mileage	728.80
Ernie's	Supplies	598.64
G & A Trenching	Repairs	135.00
Golden West	Phone/Internet	152.05
Health Pool of South Dakota	Employee Insurance	589.53
Heartland Waste	Refuse Service	1368.00
Kadoka Oil LLC	Propane	686.20
M&M Welding	Repairs	365.00
Midland Food & Fuel	Fuel	266.00
Pioneer Review	Publications	75.66
Quill Corporation	Supplies	128.32
Riter, Rogers, Wattier & Northrup, LLP	Legal Fees	210.00
SD Dept. of Revenue	Lab Fees	196.00
SD One Call	Message Fee	4.48
SD Retirement System	Retirement	457.44
SD State Treasurer	Sales Tax	100.32
West Central Electric	Electric Supply	1150.36
WR/LJ Rural Water	Water Supply	973.75

There being no further business to come before the Board, the meeting adjourned.

_____ _____

Michelle Meinzer, Finance Officer Diana Baeza, President

Published once at the approximate cost of _____.

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA }

}SS

COUNTY OF HAAKON }

Selma Thorson of said County and State, being duly sworn on oath says: PIONEER REVIEW is a weekly newspaper of general circulation, printed and published in PHILIP, in said County and State and has been such newspaper during the times thereinafter mentioned; that the said PIONEER REVIEW is a legal newspaper and has been in existence for more than one year immediately preceding the first publication herein mentioned; and has more than 200 bonafide subscribers; that I, the undersigned, am Billing Manager of said newspaper, and have personal knowledge of all facts stated in this affidavit; and that the advertisement headed:

Town of Midland

Notice of Public Hearing-Water Project

A printed copy of which is hereto attached, was printed and published in said newspaper for 1 successive issues, the first publication being on the 31st day of December, 2015, and the last publication on the 31st day of December, 2015, that $22.38 the benefit of the publishers of the said newspaper; that no arrangement or understanding for a division thereof has been made with any person and that no part thereof has been agreed to be paid to any other person whomsoever.

X Selma Thorson

Subscribed and sworn to me before this 31st day of December 2015.

Tamara Lovellett

Notary Public, State of South Dakota

My Commission Expires

Jan. 24th, 2020

Notcie of Public Hearing

for the
MIDLAND WATER PROJECT

The Town is Midland is proposing to undertake water system improvements including a new water storage facility and water distribution improvements. The Town of Midland is seeking up to $715,000 of funding from the Board of Water and Natural Resources. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Fund (SRF) Program. The expected Drinking Water SRF loan terms are either 2.25 or 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. The amount and source of funds will be determined by the Board of Water and Natural Resources when the application is presented at a scheduled board meeting.

The Town of Midland also expects to submit an application to the State of South Dakota for a Community Development Block Grant (CDBG) in order to undertake the project. The city expects to apply for approximately $515,000 from the CDBG Community Projects Account to be used for the proposed project which will cost approximately $715,000.

A public hearing will be held at 6:30 p.m. MT on Tuesday, January 12, 2016, in the Municipal Room, Midland Fire Hall Building, Midland, South Dakota. The purpose of the hearing is to receive comments regarding the proposed project, the proposed financing, and the source of repayment for the loan. Public comments will also be taken during this public hearing for the Town of Midland's Community Development and Housing Needs Assessment Plan. The meeting is open to the public and interested persons are encouraged to attend. Disabled individuals wishing assistance should contact the Finance Office at (605) 843-2810 for information and/or special assistance the request should be made 48 hours in advance of the meeting.

[Published December 31, 2015, at the total approximate cost of $22.38]

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA }

}SS

COUNTY OF HAAKON }

Selma Thorson of said County and State, being duly sworn on oath says: PIONEER REVIEW is a weekly newspaper of general circulation, printed and published in PHILIP, in said County and State and has been such newspaper during the times thereinafter mentioned; that the said PIONEER REVIEW is a legal newspaper and has been in existence for more than one year immediately preceding the first publication herein mentioned; and has more than 200 bonafide subscribers; that I, the undersigned, am Billing Manager of said newspaper, and have personal knowledge of all facts stated in this affidavit; and that the advertisement headed:

Town of Midland

Notice of Hearing-Water Project

A printed copy of which is hereto attached, was printed and published in said newspaper for 1 successive issues, the first publication being on the 3rd day of December, 2015, and the last publication on the 3rd day of December, 2015, that $19.82 the benefit of the publishers of the said newspaper; that no arrangement or understanding for a division thereof has been made with any person and that no part thereof has been agreed to be paid to any other person whomsoever.

x Selma Thorson

Subscribed and sworn to me before this 31st day of December 2015.

Tamara Lovellett

Notary Public, State of South Dakota

My Commission Expires

Jan. 24th, 2020

Notcie of Public Hearing

for the
MIDLAND WATER PROJECT

The Town is Midland is proposing to undertake water system improvements including a new water storage facility and water distribution improvements. The Town of Midland is seeking up to $715,000.00 of funding from the Board of Water and Natural Resources. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Fund (SRF) Program. The expected Drinking Water SRF loan terms are either 2.25 or 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal. The amount and source of funds will be determined by the Board of Water and Natural Resources when the application is presented at a scheduled board meeting.

The Town of Midland also expects to submit an application to the State of South Dakota for a Community Development Block Grant (CDBG) in order to undertake the project. The city expects to apply for approximately $515,000.00 from the CDBG Community Projects Account to be used for the proposed project which will cost approximately $715,000.00.

A public hearing will be held at 6:30 p.m. on Wednesday, December 16, 2015, in the Municipal Room, Midland Fire Hall Building, Midland, South Dakota. The purpose of the hearing is to receive comments regarding the proposed project, the proposed financing, and the source of repayment for the loan. Public comments will also be taken during this public hearing for the Town of Midland's Community Development and Housing Needs Assessment Plan. The meeting is open to the public and interested persons are encouraged to attend. Disabled individuals wishing assistance should contact the Finance Office at (605) 843-2810 for information and/or special assistance the request should be made 48 hours in advance of the meeting.

[Published December 3, 2015, at the total approximate cost of $19.82]

This public hearing was cancelled or postponed due to a snow storm

Loan Amortization Calculator

Almost any data field on this form may be calculated. Enter the appropriate numbers in each slot, leaving blank (or zero) the value that you wish to determine, and then click "Calculate" to update the page.

Principal	Payments per Year
715000.00	4
Annual Interest Rate	**Number of Regular Payments**
2.2500	120
Balloon Payment	**Payment Amount**
0.72	8209.92

x 4 = 32,839.68 x 10%
3,283.97
36,123.65 ÷ 12 month.
3,010.30 / month
÷ 106 users
28.40
+ 25 existing
53.40

☑ Show Amortization Schedule

Calculate

This loan calculator is written and maintained by Bret Whissel.
See Bret's Blog for help, a spreadsheet, derivations, calculator news, and more information.

Summary

Principal borrowed:	$715,000.00	**Annual Payments:**	4
Regular Payment amount:	$8,209.92	**Total Payments:**	121 (30.25 years)
Final Balloon Payment:	$0.72	**Annual interest rate:**	2.25%
Interest-only payment:	$4,021.88	**Periodic interest rate:**	0.5625%
***Total Repaid:**	$985,191.12	***Total interest paid as a percentage of Principal:**	37.789%
***Total Interest Paid:**	$270,191.12		

**These results are estimates which do not account for accumulated error of payments being rounded to the nearest cent. See the amortization schedule for more accurate values.*

Pmt	Principal	Interest	Cum Prin	Cum Int	Prin Bal
1	4,188.04	4,021.88	4,188.04	4,021.88	710,811.96
2	4,211.60	3,998.32	8,399.64	8,020.20	706,600.36
3	4,235.29	3,974.63	12,634.93	11,994.83	702,365.07
4	4,259.12	3,950.80	16,894.05	15,945.63	698,105.95
5	4,283.07	3,926.85	21,177.12	19,872.48	693,822.88
6	4,307.17	3,902.75	25,484.29	23,775.23	689,515.71
7	4,331.39	3,878.53	29,815.68	27,653.76	685,184.32
8	4,355.76	3,854.16	34,171.44	31,507.92	680,828.56
9	4,380.26	3,829.66	38,551.70	35,337.58	676,448.30
10	4,404.90	3,805.02	42,956.60	39,142.60	672,043.40
11	4,429.68	3,780.24	47,386.28	42,922.84	667,613.72
12	4,454.59	3,755.33	51,840.87	46,678.17	663,159.13
13	4,479.65	3,730.27	56,320.52	50,408.44	658,679.48
14	4,504.85	3,705.07	60,825.37	54,113.51	654,174.63
15	4,530.19	3,679.73	65,355.56	57,793.24	649,644.44
16	4,555.67	3,654.25	69,911.23	61,447.49	645,088.77
17	4,581.30	3,628.62	74,492.53	65,076.11	640,507.47
18	4,607.07	3,602.85	79,099.60	68,678.96	635,900.40
19	4,632.98	3,576.94	83,732.58	72,255.90	631,267.42
20	4,659.04	3,550.88	88,391.62	75,806.78	626,608.38
21	4,685.25	3,524.67	93,076.87	79,331.45	621,923.13
22	4,711.60	3,498.32	97,788.47	82,829.77	617,211.53
23	4,738.11	3,471.81	102,526.58	86,301.58	612,473.42
24	4,764.76	3,445.16	107,291.34	89,746.74	607,708.66
25	4,791.56	3,418.36	112,082.90	93,165.10	602,917.10
26	4,818.51	3,391.41	116,901.41	96,556.51	598,098.59
27	4,845.62	3,364.30	121,747.03	99,920.81	593,252.97
28	4,872.87	3,337.05	126,619.90	103,257.86	588,380.10
29	4,900.28	3,309.64	131,520.18	106,567.50	583,479.82
30	4,927.85	3,282.07	136,448.03	109,849.57	578,551.97
31	4,955.57	3,254.35	141,403.60	113,103.92	573,596.40
32	4,983.44	3,226.48	146,387.04	116,330.40	568,612.96
33	5,011.47	3,198.45	151,398.51	119,528.85	563,601.49
34	5,039.66	3,170.26	156,438.17	122,699.11	558,561.83
35	5,068.01	3,141.91	161,506.18	125,841.02	553,493.82
36	5,096.52	3,113.40	166,602.70	128,954.42	548,397.30
37	5,125.19	3,084.73	171,727.89	132,039.15	543,272.11
38	5,154.01	3,055.91	176,881.90	135,095.06	538,118.10
39	5,183.01	3,026.91	182,064.91	138,121.97	532,935.09
40	5,212.16	2,997.76	187,277.07	141,119.73	527,722.93
41	5,241.48	2,968.44	192,518.55	144,088.17	522,481.45
42	5,270.96	2,938.96	197,789.51	147,027.13	517,210.49
43	5,300.61	2,909.31	203,090.12	149,936.44	511,909.88
44	5,330.43	2,879.49	208,420.55	152,815.93	506,579.45
45	5,360.41	2,849.51	213,780.96	155,665.44	501,219.04
46	5,390.56	2,819.36	219,171.52	158,484.80	495,828.48
47	5,420.88	2,789.04	224,592.40	161,273.84	490,407.60
48	5,451.38	2,758.54	230,043.78	164,032.38	484,956.22

Pmt	Principal	Interest	Cum Prin	Cum Int	Prin Bal
49	5,482.04	2,727.88	235,525.82	166,760.26	479,474.18
50	5,512.88	2,697.04	241,038.70	169,457.30	473,961.30
51	5,543.89	2,666.03	246,582.59	172,123.33	468,417.41
52	5,575.07	2,634.85	252,157.66	174,758.18	462,842.34
53	5,606.43	2,603.49	257,764.09	177,361.67	457,235.91
54	5,637.97	2,571.95	263,402.06	179,933.62	451,597.94
55	5,669.68	2,540.24	269,071.74	182,473.86	445,928.26
56	5,701.57	2,508.35	274,773.31	184,982.21	440,226.69
57	5,733.64	2,476.28	280,506.95	187,458.49	434,493.05
58	5,765.90	2,444.02	286,272.85	189,902.51	428,727.15
59	5,798.33	2,411.59	292,071.18	192,314.10	422,928.82
60	5,830.95	2,378.97	297,902.13	194,693.07	417,097.87
61	5,863.74	2,346.18	303,765.87	197,039.25	411,234.13
62	5,896.73	2,313.19	309,662.60	199,352.44	405,337.40
63	5,929.90	2,280.02	315,592.50	201,632.46	399,407.50
64	5,963.25	2,246.67	321,555.75	203,879.13	393,444.25
65	5,996.80	2,213.12	327,552.55	206,092.25	387,447.45
66	6,030.53	2,179.39	333,583.08	208,271.64	381,416.92
67	6,064.45	2,145.47	339,647.53	210,417.11	375,352.47
68	6,098.56	2,111.36	345,746.09	212,528.47	369,253.91
69	6,132.87	2,077.05	351,878.96	214,605.52	363,121.04
70	6,167.36	2,042.56	358,046.32	216,648.08	356,953.68
71	6,202.06	2,007.86	364,248.38	218,655.94	350,751.62
72	6,236.94	1,972.98	370,485.32	220,628.92	344,514.68
73	6,272.02	1,937.90	376,757.34	222,566.82	338,242.66
74	6,307.31	1,902.61	383,064.65	224,469.43	331,935.35
75	6,342.78	1,867.14	389,407.43	226,336.57	325,592.57
76	6,378.46	1,831.46	395,785.89	228,168.03	319,214.11
77	6,414.34	1,795.58	402,200.23	229,963.61	312,799.77
78	6,450.42	1,759.50	408,650.65	231,723.11	306,349.35
79	6,486.70	1,723.22	415,137.35	233,446.33	299,862.65
80	6,523.19	1,686.73	421,660.54	235,133.06	293,339.46
81	6,559.89	1,650.03	428,220.43	236,783.09	286,779.57
82	6,596.78	1,613.14	434,817.21	238,396.23	280,182.79
83	6,633.89	1,576.03	441,451.10	239,972.26	273,548.90
84	6,671.21	1,538.71	448,122.31	241,510.97	266,877.69
85	6,708.73	1,501.19	454,831.04	243,012.16	260,168.96
86	6,746.47	1,463.45	461,577.51	244,475.61	253,422.49
87	6,784.42	1,425.50	468,361.93	245,901.11	246,638.07
88	6,822.58	1,387.34	475,184.51	247,288.45	239,815.49
89	6,860.96	1,348.96	482,045.47	248,637.41	232,954.53
90	6,899.55	1,310.37	488,945.02	249,947.78	226,054.98
91	6,938.36	1,271.56	495,883.38	251,219.34	219,116.62
92	6,977.39	1,232.53	502,860.77	252,451.87	212,139.23
93	7,016.64	1,193.28	509,877.41	253,645.15	205,122.59
94	7,056.11	1,153.81	516,933.52	254,798.96	198,066.48
95	7,095.80	1,114.12	524,029.32	255,913.08	190,970.68
96	7,135.71	1,074.21	531,165.03	256,987.29	183,834.97

Pmt	Principal	Interest	Cum Prin	Cum Int	Prin Bal
97	7,175.85	1,034.07	538,340.88	258,021.36	176,659.12
98	7,216.21	993.71	545,557.09	259,015.07	169,442.91
99	7,256.80	953.12	552,813.89	259,968.19	162,186.11
100	7,297.62	912.30	560,111.51	260,880.49	154,888.49
101	7,338.67	871.25	567,450.18	261,751.74	147,549.82
102	7,379.95	829.97	574,830.13	262,581.71	140,169.87
103	7,421.46	788.46	582,251.59	263,370.17	132,748.41
104	7,463.21	746.71	589,714.80	264,116.88	125,285.20
105	7,505.19	704.73	597,219.99	264,821.61	117,780.01
106	7,547.41	662.51	604,767.40	265,484.12	110,232.60
107	7,589.86	620.06	612,357.26	266,104.18	102,642.74
108	7,632.55	577.37	619,989.81	266,681.55	95,010.19
109	7,675.49	534.43	627,665.30	267,215.98	87,334.70
110	7,718.66	491.26	635,383.96	267,707.24	79,616.04
111	7,762.08	447.84	643,146.04	268,155.08	71,853.96
112	7,805.74	404.18	650,951.78	268,559.26	64,048.22
113	7,849.65	360.27	658,801.43	268,919.53	56,198.57
114	7,893.80	316.12	666,695.23	269,235.65	48,304.77
115	7,938.21	271.71	674,633.44	269,507.36	40,366.56
116	7,982.86	227.06	682,616.30	269,734.42	32,383.70
117	8,027.76	182.16	690,644.06	269,916.58	24,355.94
118	8,072.92	137.00	698,716.98	270,053.58	16,283.02
119	8,118.33	91.59	706,835.31	270,145.17	8,164.69
120	8,163.99	45.93	714,999.30	270,191.10	0.70
121	*0.70	0.00	715,000.00	270,191.10	0.00

*The final payment has been adjusted to account for payments having been rounded to the nearest cent.

Town of Midland 2014 Budget	General	Garbage	Street	Sewer	Fire Pro	Liquor	Water	HotWater	Donations	
Revenue										
Jan 2013 Beginning Balance	27403930	3816270	1015380	5965142	234163	16326570	<1921166>	1334390		55373679
Actual Revenue	9176686	2133234	2674268	1035460	-0-	311620	29507332	1165000		13429000
Projected Revenue										
Total Balance Revenue										
Expenditures										
Actual Expenses	5608097	1998969	3800164	775056	-0-	493163	42776516			16954965
Projected Expenses										
Total Expenses										
Transfer In			2000000		16234		2000000			
Transfer Out	4000000									
	16234									
Balance	26856235	3940535	1889484	6215546	240397	16145020	1981440			57368714
Budget 14										
Estimated Revenue	9400000	1900000	2000000	900000	10000	100000	32000000			
Estimated Expenses	5500000	1500000	2800000	400000	-0-	4700000	31000000			
Estimated Budget	3900000	100000	<800000>	500000	-0-	<1350000>	1000000			
2014 Revenue	26856235	3940535	1889484	6215546	240397	16145020	1981440			57368714
Beginning Balance	6262321	921355	1420119	466657	-0-	65000	11303570	(1620000 approved)	320000	10533809
Actual Revenue	4000000	900000	400000	500000	-0-	60000	5350000			
Projected Revenue										
Total Balance Revenue	37182606	5761990	3709603	7182203	240397	16270002	5611797		800000	
Expenditures										
Actual Expenses	2733448	1017740	1261788	453340	-0-	2031238	3997990		-0-	9733342
Projected Expenses	4000000	1200000	2000000	400000	-0-	3000000	6200000		300000	
Total Expenses	6733448	2217740	3261788	853340	-0-	5031238	6997990	(550000 approved)		
Transfer In	13438				13438					
Transfer Out										
Balance	30430720	3544150	4478815	6328863	253835	15706691	<1386193>		-0-	
Budget 2015										
Estimated Revenue	10000000	5700000	3700000	900000	10000	120000	56000000		300000	
Estimated Expenses	6800000	2200000	3300000	1850000	—	900000	66000000		300000	
					—	<1000000>	<9000000>		-0-	
Budget	3200000	3500000	400000	500000						

Rev.	Town of Midland 2015 Budget	General	Garbage	Street	Sewer	Fire Pro	Liquor	Water	Donations			
Jan'14	Beginning Balance	2656285	3940535	1859484	6215546	240397	16145027	1981440	-0-			5736874
	Actual Revenue	11536973	1969151	2752662	994697	-0-	185000	3735270	300000			21472743
	Projected Revenue											
	Total Balance Revenue											
Exp.	Actual Expenses	6264559	2041292	2710176	1759715	-0-	528294	8461217	-0-			21765253
	Projected Expenses											
	Total Expenses											
	Transfer In					20209		3000000				
	Transfer Out	3000000 20209										
	Balance	2920749 0	3868394	1931970	5450518	260606	15801733	2564493	300000			5707620 4
Budget 2015	Estimated Revenue	10000000	5700000	3700000	900000	10000	120000	56700000	300000			
	Estimated Expenses	6800000	2200000	3300000	850000	—	900000	66000000	300000			
	Estimated Budget	3200000	3500000	400000	50000	—	<780000>	<9300000>	-0-			
Jan'15	Revenue - Beginning	29207490	3868394	1931970	5450518	260606	15801733	2564493	300000			5707620 4
	Actual Revenue	28032374	1019496	1614728	515554	-0-	180000	6488732	-0-			37850885
	Projected Revenue	5001000	1650000	600000	900000	-0-	120000	1000000	-0-			
	Total Balance Revenue	57239864	5937890	4146698	6466072	260606	16161733	7744226	300000			
Expenditure	Actual Expenses	33072750	1010891	1620379	298260	-0-	269920	2318628	-0-			39490328
	Projected Expenses	600000	1000000	600000	250000	-0-	300000	6000000	-0-			
	Total Expenses	39072750	2010891	2220379	548260	-0-	569420	8318628	-0-			
	Transfer In					12322		3000000 4000000				
	Transfer Out	4000000 12322							300000			
	Balance	14164792	3926999	<3473681>	5917812	272928	15592313	3325597	-0-			
Budget 2016												
	Estimated Revenue	33000000	21000000	2300000	1000000	10000	260000	65600000	-0-			
	Estimated Expenses	34600000	2100000	7600000	550000	-0-	570000	82000000	-0-			
	Budget	<61600000>	100000	<5400000>	450000	-0-	<210000>	<17000000>	<-0->			

Exhibit I

MUNICIPALITY OF MIDLAND
STATEMENT OF FUND CASH BALANCES
ALL FUNDS
31-Dec-14

	General Fund	Liquor Fund	Street Fund	Enterprise Funds: Water Fund	Sewer Fund	Garbage Fund	Fund	Fund	Total
Cash Assets:									
Cash in Checking Accounts	294,680.96	158,017.33	19,319.70	5,554.93	54,505.18	38,683.94			570,762.04
Change and Petty Cash									0.00
Passbook Savings									0.00
Savings Certificates									0.00
									0.00
									0.00
									0.00
									0.00
101 FUND CASH BALANCES (Note 1)	294,680.96	158,017.33	19,319.70	5,554.93	54,505.18	38,683.94	0.00	0.00	570,762.04

Municipal funds are deposited or invested with the following depositories:

FIRST NATIONAL BANK	
MIDLAND BRANCH	
PO BOX 246	
MIDLAND, SD 57552-0246	
	570,762.04

Note 1: These amounts must equal the amounts stated on the bottom line of Exhibit II, page 3.

MUNICIPALITY OF MIDLAND
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2014

				Enterprise Funds					
	General Fund	Liquor Fund	Street Fund	Water Fund	Sewer Fund	Garbage Fund	Fund	Fund	Total
Receipts (Source):									
311 Property Taxes	17,323.40								17,323.40
313 Sales Tax	70,846.49								70,846.49
316 911 Telephone Surcharge									0.00
311-319 Other Taxes (319)	93.83								93.83
320 Licenses and Permits		150.00							150.00
331 Federal Grants									0.00
335.1 Bank Franchise Tax	2,828.14								2,828.14
335.2 Motor Vehicle Commercial									0.00
Prorate			1,487.64						1,487.64
335.3 Liquor Tax Reversion		1,237.80							1,237.80
335.4 Motor Vehicle Licenses (5%)			6,093.25						6,093.25
335.6 Fire Insurance Premium									0.00
Reversion									0.00
335.8 Local Government Highway									0.00
and Bridge Fund			18,367.51						18,367.51
338.1 County Road Tax (25%)			444.30						444.30
338.2 County Highway and Bridge									0.00
Reserve Tax (25%)			37.24						37.24
338.3 County Wheel Tax			1,096.68						1,096.68
331-339 Other Intergovernmental									0.00
Revenue (339)									0.00
341-349 Charges for Goods and									0.00
Services (341)									0.00
351-359 Fines and Forfeits (351)									0.00
361 Investment Earnings	2,266.72	521.71							2,788.43
362 Rentals	470.00								470.00
363-369 Other Revenues (369)	830.74	1,700.00		3,000.00					5,530.74

MUNICIPALITY OF MIDLAND
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2014
(continued)

				Enterprise Funds					
	General Fund	Liquor Fund	Street Fund	Water Fund	Sewer Fund	Garbage Fund	Fund	Fund	Total
ENTERPRISE FUNDS									
380 Enterprise Operating Revenue				37,352.70	9,946.87	19,691.51			66,991.08
Surcharge as Security for Debt									0.00
380.05 Lottery Revenues									0.00
330 Operating Grants									0.00
Total Receipts	94,659.32	3,609.51	27,526.62	40,352.70	9,946.87	19,691.51	0.00	0.00	195,786.53
Disbursements (Function):									
411-419 General Government (414)	59,102.16	5,282.94	19,643.79						84,028.89
421 Police									0.00
422 Fire									0.00
423-429 Other Public Safety (429)									0.00
431 Highways and Streets (includes snow removal & street lights)			7,457.97						7,457.97
432 Sanitation (includes garbage & rubble sites)									0.00
437 Cemeteries									0.00
433-439 Other Public Works (435)	3,543.43								3,543.43
441-449 Health and Welfare (441)									0.00
451-459 Culture-Recreation (451)									0.00
461-469 Conservation and Development (465)									0.00
470 Debt Service									0.00
480 Intergovernmental Expenditures									0.00
490-492 Miscellaneous (492)									0.00

MUNICIPALITY OF MIDLAND
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2014
(continued)

				Enterprise Funds					
	General Fund	Liquor Fund	Street Fund	Water Fund	Sewer Fund	Garbage Fund	Fund	Fund	Total
ENTERPRISE FUNDS									
410 Personal Services									0.00
420 Other Expenses				84612.17	17597.15	20412.92			122,622.24
426 Supplies and Materials									0.00
Total Disbursements	62645.59	5282.94	27101.76	84612.17	17597.15	20412.92	0.00	0.00	217652.53
391.01 Transfers In				30000.00					30,000.00
51100 Transfers Out	30000.00	( )	( )	( )	( )	( )	( )	( )	30,000.00
391.03 Sale of Municipal Property	18940.90								18,940.90
391.04 Compensation for Loss or Damage to Capital Assets									0.00
391.2 Money Received From Borrowing									0.00
391.07 Capital Contributions (Grants)									0.00
									0.00
									0.00
Subtotal of Receipts, Disbursements and Transfers	80954.63	(1673.43)	424.86	(14259.47)	(7650.28)	(721.41)	0.00	0.00	57074.90
Fund Cash Balance, January 1, 2014									0.00
Adjustments:									
									0.00
									0.00
									0.00
Restated Fund Cash Balance, January 1, 2014	271966.82	161450.27	18894.84	19814.40	62155.46	39405.35	0.00	0.00	573687.14
FUND CASH BALANCE, DECEMBER 31, 2014	294680.96	158017.33	19319.70	5554.93	54505.18	38683.94	0.00	0.00	570,762.04

Exhibit III

MUNICIPALITY OF MIDLAND
STATEMENT OF CHANGES IN LONG-TERM DEBT
For the Year Ended December 31, 2014

	General Long-Term Debt			Enterprise	
	General Obligation Bonds	Special Assessment Bonds	Other	Revenue Bonds	Total
Debt Payable, January 1, 20__					0.00
Add New Issues:					
					0.00
					0.00
					0.00
Less Debt Retired					0.00
DEBT PAYABLE, DECEMBER 31, 20__	0.00	0.00	0.00	0.00	0.00
	(23101)	(23103)	(23700)	(23102)	

Note: Amounts reported do not include interest.

Exhibit I

MUNICIPALITY OF MIDLAND
STATEMENT OF FUND CASH BALANCES
ALL FUNDS
31-Dec-13

				Enterprise Funds					
	General Fund	Liiquor Fund	Fund	Water Fund	Sewer Fund	Fund	Fund	Fund	Total
Cash Assets:									
Cash in Checking Accounts	330,267.01	161,450.27		19,814.40	62,155.46				573,687.14
Change and Petty Cash									0.00
Passbook Savings									0.00
Savings Certificates									0.00
									0.00
									0.00
									0.00
									0.00
101 FUND CASH BALANCES (Note 1)	330,267.01	161,450.27	0.00	19,814.40	62,155.46	0.00	0.00	0.00	573,687.14

Municipal funds are deposited or invested with the following depositories:

FIRST NATIONAL BANK	
MIDLAND BRANCH	
PO BOX 246	
MIDLAND, SD 57552	
	573,687.14

Note 1: These amounts must equal the amounts stated on the bottom line of Exhibit II, page 3.

MUNICIPALITY OF MIDLAND
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2013

				Enterprise Funds					
	General Fund	Liquor Fund	Street Fund	Water Fund	Sewer Fund	Fund	Fund	Fund	Total
Receipts (Source):									
311 Property Taxes	16,233.92								16,233.92
313 Sales Tax	70,829.36								70,829.36
316 911 Telephone Surcharge									0.00
311-319 Other Taxes (319)	84.00								84.00
320 Licenses and Permits									0.00
331 Federal Grants									0.00
335.1 Bank Franchise Tax	2,195.16								2,195.16
335.2 Motor Vehicle Commercial Prorate			2,245.21						2,245.21
335.3 Liquor Tax Reversion		898.39							898.39
335.4 Motor Vehicle Licenses (5%)			5,630.83						5,630.83
335.6 Fire Insurance Premium Reversion									0.00
335.7 Liquor License Reversion									0.00
335.8 Local Government Highway and Bridge Fund			15,148.07						15,148.07
338.1 County Road Tax (25%)			444.30						444.30
338.2 County Highway and Bridge Reserve Tax (25%)			41.12						41.12
338.3 County Wheel Tax			1,037.99						1,037.99
331-339 Other Intergovernmental Revenue (339)									0.00
341-349 Charges for Goods and Services (341)									0.00
351-359 Fines and Forfeits (351)									0.00
361 Investment Earnings	2,231.55	600.01							2,831.56
362 Rentals	1,300.00								1,300.00
363-369 Other Revenues (369)	189.20	2,516.63							2,705.83

MUNICIPALITY OF MIDLAND
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2013
(continued)

				Enterprise Funds					
	General Fund	Liquor Fund	Street Fund	Water Fund	Sewer Fund	Garbage Fund	Fund	Fund	Total
ENTERPRISE FUNDS									
380 Enterprise Operating Revenue				31,157.32	10,254.60	21,232.34			62,644.26
Surcharge as Security for Debt									0.00
380.05 Lottery Revenues									0.00
330 Operating Grants									0.00
Total Receipts	93,063.19	4,015.03	24,547.52	31,157.32	10,254.60	21,232.34	0.00	0.00	184,270.00
Disbursements (Function):									
411-419 General Government (414)	51,316.51	4,931.63	30,612.55						86,860.69
421 Police									0.00
422 Fire									0.00
423-429 Other Public Safety (429)									0.00
431 Highways and Streets (includes snow removal & street lights)			7,389.09						7,389.09
432 Sanitation (includes garbage & rubble sites)									0.00
437 Cemeteries									0.00
433-439 Other Public Works (435)	3,264.46								3,264.46
441-449 Health and Welfare (441)	1,500.00								1,500.00
451-459 Culture-Recreation (451)									0.00
461-469 Conservation and Development (465)									0.00
470 Debt Service									0.00
480 Intergovernmental Expenditures									0.00
490-492 Miscellaneous (492)									0.00

MUNICIPALITY OF MIDLAND
STATEMENT OF RECEIPTS, DISBURSEMENTS AND CHANGES IN FUND CASH BALANCES
ALL FUNDS
For the Year Ended December 31, 2013
(continued)

	General Fund	Liquor Fund	Street Fund	Enterprise Funds: Water Fund	Sewer Fund	Garbage Fund	Fund	Fund	Total
ENTERPRISE FUNDS									
410 Personal Services									0.00
420 Other Expenses				42765.16	7750.56	19989.69			70,505.41
426 Supplies and Materials									0.00
Total Disbursements	56080.97	4931.63	38001.64	42765.16	7750.56	19989.69	0.00	0.00	169519.65
39101 Transfers In			20000.00	20000.00					40,000.00
51100 Transfers Out	(40000.00)	( )	( )	( )	( )	( )	( )	( )	(40,000.00)
391.2 Money Received From Borrowing									0.00
391.07 Capital Contributions (Grants)									0.00
									0.00
									0.00
Subtotal of Receipts, Disbursements and Transfers	(3017.78)	(916.60)	6545.88	8392.16	2504.04	1242.65	0.00	0.00	14750.35
Fund Cash Balance, January 1, 2013									0.00
Adjustments:									
									0.00
									0.00
									0.00
Restated Fund Cash Balance, January 1, 2013	324597.43	163265.70		11422.24	59651.42				558936.79
FUND CASH BALANCE, DECEMBER 31, 2013	330267.01	161450.27		19814.40	62155.46				573,687.14

(192,166) water not water fund had ~~[illegible]~~ 13,343.90)

handwritten note by [illegible]

SD EForm - 0427LD V2

Capacity Assessment Worksheets for Public Water Systems

Department of Environment and Natural Resources

Revised January 2015

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: Town of Midland

Prepared by: Lawrence Stropple

Phone #: 605-843-2810

Date: 12/27/2015

Glossary of Terms

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water;

Disinfectant: Any oxidant, including chlorine, chlorine dioxide, chloramine, and ozone, that is added to water in any part of the treatment or distribution process and that is intended to kill or inactivate pathogenic microorganisms;

Disinfectant contact time: The time in minutes that it takes for water to move from the point of disinfectant application or the previous point of disinfectant residual measurement to a point before or at the point where residual disinfectant concentration is measured;

Filtration: A process for removing particulate matter from the water by passing the water through porous media;

Ground Water: The supply of fresh water found beneath the surface of the ground, usually in aquifers, which is often used for supplying wells and springs;

Ground Water Under the Direct Influence of Surface Water: Any water beneath the surface of the ground with a significant occurrence of insects, macroorganisms, algae, or large-diameter pathogens such a *Giardia lamblia* ; or any water with significant and relatively rapid shifts in water quality characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions;

Maximum Contaminant Level (MCLs): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards;

mg/L: milligrams per liter - equivalent to parts per million;

µg/L: micrograms per liter - equivalent to parts per billion;

NTU: nephelometric turbidity unit;

psi: pounds per square inch

Surface Water: All water that is open to the atmosphere and subject to surface runoff;

Turbidity: A cloudy condition in water due to suspended silt or organic matter; and

Waiver: A process used by the Department of Environment and Natural Resources that allows a public water system to reduce or eliminate monitoring for a particular chemical.

The Technical Portion of your System

Your Water Supply

Please check the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section or question does not apply to your system, please check NA for not applicable.***

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** 16,500 GPD	☑	☐	☐	☐
Do you know how much water you pump on a peak day? ***Amount:*** 46,000 GPD	☑	☐	☐	☐
Do you know the maximum amount of water you can pump from your source? ***Amount:*** 95,000 GPD by Contract with WRLJRWS	☑	☐	☐	☐
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:*** 51.5% higher	☑	☐	☐	☐
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:*** _____	☑	☐	☐	☐
Have you been able to provide adequate volumes of water during drought cycles?	☑	☐	☐	☐
Have you had to restrict usage at any time for any reason? ***Please specify:*** _____	☐	☑	☐	☐
Does your system have an emergency or supplemental water supply? ***Please specify:*** _____	☐	☑	☐	☐
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***	☐	☑	☐	☐
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☐ ***growing,*** ☐ ***declining, or*** ☑ ***stable.***	☑	☐	☐	☐
Does your source have additional water available for appropriation?	☐	☐	☐	☑
Do you have a water right? ***Water right permit number(s):*** _____	☐	☐	☐	☑
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☐	☐	☐	☑
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☑	☐	☐	☐
Do you have a contract to purchase water? ***If yes, with whom?*** WRLJRWS	☑	☐	☐	☐
Are you currently staying within your contract?	☑	☐	☐	☐
Are you knowledgeable about other demands being placed on the same water source that you are using?	☐	☑	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☐	☐	☑	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☐	☑	☐	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** _____	☐	☐	☐	☑
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** _____	☐	☐	☐	☑
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☐	☐	☑	☐

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☑ **Yes** ☐ **No**

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems Purchase Water from WRLJ RWS

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☐	☐	☑	☐
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☑	☐
Are repair parts available?	☐	☐	☑	☐
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☐	☐	☑	☐
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☐	☐	☑	☐
Do you have on-line continuous turbidimeters on each filter?	☐	☐	☑	☐
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** _____	☐	☐	☑	☐
Do you have the capability to add coagulant before the filter?	☐	☐	☑	☐

Ground Water Systems

Ground Water Under the Influence of Surface Water	Yes	No	Unknown	NA
Is your water free from variations in turbidity and temperature after storm events?	☐	☐	☐	☑
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** _____	☐	☐	☐	☑
Is your well(s) constructed according to current South Dakota regulations?	☐	☐	☐	☑
Do you have a source water protection plan?	☐	☐	☐	☑
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☐	☐	☐	☑

Disinfection

Do you disinfect? ☐ **Yes** ☑ **No** ***(If "No", skip to the Infrastructure - Pumping section)***

Disinfection	**Yes**	**No**	**Unknown**	**NA**
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** _____ ***How often?*** _____ ***Disinfectant used:*** _____	☐	☐	☐	☐
Do you have back-up equipment? ***Type:*** _____	☐	☐	☐	☐
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:*** _____	☐	☐	☐	☐
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** _____ ***Total Chlorine Residual:*** _____ (if using chloramines)	☐	☐	☐	☐

Disinfection By-Products

Treatment for the Control of Disinfection By-Products	**Yes**	**No**	**Unknown**	**NA**
If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?	☐	☐	☐	☐
If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?	☐	☐	☐	☐

Treatment - Security

Treatment Security	**Yes**	**No**	**Unknown**	**NA**
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☐	☐	☐	☐
Are chemicals used for treatment properly stored and secure?	☐	☐	☐	☐
Does the water system track chemical usage? (i.e. a sudden	☐	☐	☐	☐

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping Gravity Feed from Tank

Condition of Pumping Equipment	**Yes**	**No**	**Unknown**	**NA**
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** _____	☐	☐	☐	☐
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☐	☐	☐	☐
Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	☐	☐	☐	☐
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☐	☐	☐	☐
Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	☐	☐	☐	☐
Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	☐	☐	☐	☐

Infrastructure - Storage

Storage Capacity	**Yes**	**No**	**Unknown**	**NA**
Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:*** _____	☑	☐	☐	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:*** _____	☐	☐	☐	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☑	☐	☐	☐
Are access hatches locked?	☑	☐	☐	☐
Is the tank and the immediate surrounding area fenced?	☑	☐	☐	☐
Control Systems				
Is there a high and low water level signal system to control the pumps?	☑	☐	☐	☐

Is there a drain valve or hydrant to allow for draining of the tank?	☑	☐	☐	☐
Tank Maintenance	**Yes**	**No**	**Unknown**	**NA**
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☑	☐	☐	☐
Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	☐	☐	☑	☐

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:***	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☑	☐	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☐	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☐	☐	☐	☐
Are all valves exercised and lubricated periodically?	☑	☐	☐	☐
Is the system free of severe "water hammer" problems?	☑	☐	☐	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☐	☐	☐	☐
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** 15 % for the year	☐	☑	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 50 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☐	☑	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☐	☑	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☐	☐	☑	☐

Are any inspections for cross-connections performed?	☐	☑	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☐	☑	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☑	☐	☐	☐
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** _____	☐	☐	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☐	☐	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☑	☐	☐	☐
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** _____ ***Most common complaint:*** Class I Water Distribution	☐	☑	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☑	☐	☐	☐

The Management Portion of your System

Please mark the appropriate box: *Yes, No,* or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** Class I Water Distribution	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance? ***If yes, who*** SDARWS	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☑	☐	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☑	☐	☐	☐
Is someone responsible for scheduling work?	☑	☐	☐	☐
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☑	☐	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☑	☐	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☑	☐	☐	☐
Do you have standard construction specifications to be followed?	☑	☐	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☐	☐	☑	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** 5 years	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☑	☐	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☐	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☐	☑	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☐	☐	☐
Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	☐	☐	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☐	☐	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** Lawrence Stropple, Utility Manager--one man dept	☐	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☑	☐	☐	☐
Do you have written operating procedures for both routine and emergency system operations?	☐	☐	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☐	☐	☐	☐
Does the system work with customers to promote their awareness of security?	☐	☐	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☐	☐	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☑	☐	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☐	☐	☑	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	☐	☐	☑	☐

The Financial Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**	**NA**
Does your system develop and follow an annual budget that is approved by the governing body?	☑	☐	☐	☐
Does the governing body review a monthly summary of revenues and expenses of the utility system?	☑	☐	☐	☐
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** _____	☐	☑	☐	☐
Does the system have reserve funds available in the event of an emergency? Utilize General Funds	☑	☐	☐	☐
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	☐	☑	☐	☐
Do you have a process for scheduling and committing to capital projects?	☐	☐	☐	☑
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	☐	☐	☐	☐
Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?	☐	☐	☐	☑
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** Yearly	☑	☐	☐	☐
Do you have a plan in place for periodic increases in rates?	☐	☑	☐	☐
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** $25/5000 gallon, plus $2.50/1000 inside; $29/5000 gallons, plus $2.50/1000 outside (i.e. $22 minimum plus $2.50/1000 gallons)	☐	☐	☐	☐
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***: _____	☐	☑	☐	☐
Does the rate structure assure proportionality among users?	☑	☐	☐	☐
Do you have procedures for billing and collection?	☑	☐	☐	☐
Is your billing collection rate greater than 95%?	☑	☐	☐	☐
Do you have collection procedures specifically for delinquent accounts?	☑	☐	☐	☐

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☐	☑	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☐	☑	☐	☐
Does your water utility support other enterprise funds or the general fund?	☐	☑	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☑ at this time!	☐	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☐	☑	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☐	☐	☐	☑
Are there purchasing procedures?	☑	☐	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☐	☐	☑	☐

Financial Spreadsheet

Applicant: Town of Midland
Completed by: Michelle Meinzer and Marlene Knutson
Date: December, 2015

4 Year Projections	Last Year Actual 2014	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2014	2015	2016	2017	2018
1. Beginning Cash on Hand	$1	$2	$2	$26,165	$30,235
2. Cash Receipts:					
a. Unmetered Water Revenue			$24,083	$36,125	$36,125
b. Metered Water Revenue	$25,388	$31,298	$38,000	$38,000	$38,000
c. Other Water Revenue					
d. Total Water Revenues (2a through 2c)	$25,388	$31,298	$62,083	$74,125	$74,125
e. Connection Fees	$1,665	$1,935	$1,500	$1,500	$1,000
f. Interest and Dividend Income					
g. Other Income		$7,694			
h. Total Cash Revenues (2d through 2g)	$27,053	$40,927	$63,583	$75,625	$75,125
i. Transfers in/Additional Rev Needed	$5,709	$3,156			
j. Loans, Grants or other Cash					
Please specify					
SDDENR			$715,000		
3. Total Cash Receipts (2h through 2j)	$32,762	$44,083	$778,583	$75,625	$75,125
4. Total Cash Available (1+3)	$32,763	$44,085	$778,585	$101,790	$105,360
5. Operating Expenses					
a. Salaries and wages	$8,000	$7,465	$7,030	$7,500	$7,800
b. Employee Pensions and Benefits	$3,155	$2,968	$2,970	$3,500	$3,700
c. Purchased Water	$13,699	$14,198	$14,200	$14,500	$14,700
d. Purchased Power	$1,215	$661	$1,200	$1,215	$1,230
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies	$5,019	$16,856	$10,120	$10,500	$10,300
h. Engineering Services					
i. Contractual Services – Other					
j. Equip. Rent/Real Property					
k. Transportation Expenses					
l. Laboratory	$1,498	$915	$1,200	$1,200	$1,200
m. Insurance					
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous	$175	$1,020	$700	$300	$300
q. Total Cash O&M Expenses (5a through 5p)	$32,761	$44,083	$37,420	$38,715	$39,230
r. Replacement Expenditures			$715,000		
s. Total OM&R Expenditures (5q+5r)	$32,761	$44,083	$752,420	$38,715	$39,230
t. Loan Principal/Capital Lease Payments				$16,894	$17,277
u. Loan Interest Payments				$15,946	$15,562
v. Transfers Out					
w. Capital Purchases (specify):					
x. Other					
6. Total Cash Paid Out (5s through 5x)	$32,761	$44,083	$752,420	$71,555	$72,069
7. Ending Cash Position (4 - 6)	$2	$2	$26,165	$30,235	$33,291

Financial Spreadsheet

Applicant: Town of Midland
Completed by: Michelle Meinzer and Marlene Knutson
Date: December, 2015

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	106	106	106	106	106
9. Avg Annual User Charge Account (2d/8)	$240	$295	$586	$699	$699
10. Coverage Ratio (2h-5s)/(5t+5u)	0.0	0.0	0.0	1.1	1.1
11. Operating Ratio (2d/5s)	0.8	0.7	0.1	1.9	1.9
12. Additions to Reserve Funds for the Year:					
a. Debt Service Reserve	$0				$3,000
b. Bond Retirement Reserve					
c. Capital Improvement Reserve					
d. Replacement Reserve					$3,000
e. Other					
13. Total Reserves (12a through 12e)	$0				$6,000
14. Year End Operating Cash (7 – 13)	$2	$2	$26,165	$30,235	$27,291

In 2013, 2014, and 2015, Midland operated Potable (drinking water system) and non-potable (heating system) as one under water fund. Information above has been broken out to include only potable drinking water system. The overall reflects a balance of $2 cash in the potable water fund to go forward into 2016. Financial information in 2016 anticipates a surcharge in effect for 8 months. While the loan repayments etc. are based on 2.25% for 30 years with 106 users and no loan or grants are received. If the town could receive loan forgiveness or grant assistance so the loan amount is $300,000 then the surcharge needed would be only $11.92/month/user. The existing rate will need to stay in effect and may need to be raised at the end of 2016 to cover normal operation and maintenance costs.

Town of Midland | Water Facility Plan

Midland, SD

September 2015

Submitted by

Banner Associates, Inc.
www.bannerassociates.com

BAI 22088.00.00

BANNER
Engineering | Architecture | Surveying

Town of Midland | Water Facility Plan

Midland, SD

REGISTERED PROFESSIONAL ENGINEER
REG NO. 11126
JOSEPH H. MUNSON
SOUTH DAKOTA
9-25-15

September 2015

Submitted by

Banner Associates, Inc.
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BANNER
Engineering | Architecture | Surveying

SECTION 1: INTRODUCTION, AUTHORIZATION, AND PURPOSE

1.1 INTRODUCTION

The Town of Midland operates a public water system located in Haakon County, South Dakota. The water system is a bulk customer of West River/Lyman-Jones Rural Water System and serves an approximate population of 149 people through 116 active service connections. Recently the Town of Midland has been in violation of the Disinfection By-Product Rule with respect to the maximum contaminant level of haloacetic acids (HAA5). An aging storage tank that is past its design life has contributed to the elevated level of HAA5, and dead end lines in the distribution system have contributed to pour water quality as well. The following report will evaluate and summarize capital improvements that have been identified to help the Town of Midland provide a reliable safe drinking water for their customers.

1.2 AUTHORIZATION

This study was authorized under an engineering services agreement between Banner Associates, Inc. and the Town of Midland on April 1, 2015. Banner Associates, Inc. has conducted an environmental review that is included in this report.

1.3 PURPOSE

The purpose of this report is to:

- Identify alternatives and scope of improvements to be considered,
- Document the need for the identified improvements to the water system,
- Present an estimate of the probable costs for improvements evaluated, and

- Provide an implementation plan for the design and construction of recommended improvements.

1.4 ORGANIZATION OF REPORT

This report is organized into a total of six sections. The topics covered in each of the sections are summarized as follows:

SECTIONS

Section 1 – Introduction, Authorization, and Purpose,
Section 2 – Need for the Project
Section 3 – Environmental Review
Section 4 – Water Quality and Regulatory Requirements
Section 5 – Evaluation of Alternatives
Section 6 – Recommendations

APPENDICES

Appendix A – Maps
Appendix B – Opinion of Probable Costs
Appendix C – Agency Review Letters
Appendix D – Agency Response Letters
Appendix E – Public Hearing Affidavit and Minutes
Appendix F – Town of Midland Billing Records

SECTION 2: NEED FOR THE PROJECT

2.1 PLANNING AREA IDENTIFICATION

The Town of Midland is located in Haakon County, SD, approximately 13 miles north of Interstate 90 along South Dakota Highway 63. Midland is approximately 64 miles southwest of the City of Pierre along United States Highway 14. The Town of Midland is located within Section 6 in Township 1 North-Range 25 East.

2.2 EXISTING SYSTEM

2.2.1 Supply/Source: The Town of Midland currently purchases its water from West River/Lyman-Jones Rural Water System. West River/Lyman-Jones supplies the Town of Midland through two different lines. The majority of the time the system receives water from the north trunk line through a 4" class 250 PVC line, but it also can receive water through a 6" class 250 PVC line that is fed of the south trunk line. The West River/Lyman-Jones' lines connect together and go through a meter pit (see picture below). The meter pit has a water meter and control valve that is used to fill the Town of Midland's existing ground storage tank.

Photo 2.1: Existing Meter Vault

Midland's water treatment plant has been taken out of service due to treatment issues from radium levels in the supply well and due to the availability of rural water. However, the old system still has piping that is connected to the existing distribution system. These connections need to be removed and capped to avoid possible contamination of the existing lines.

Midland's service contract with West River Lyman Jones Rural Water System is up to 95,000 gpd at a maximum delivery rate of 66 gpm at pressure not less than 50 psi. The north service line is fed of a 14" transmission main and consists of 3 miles of 4", 8 miles of 6" and 3 miles of 8" pipe. The south service line is fed of a 24" transmission main and consists of 16 miles of 6" pipe.

2.2.2 Existing Distribution System: The existing distribution system serves the Town of Midland and all of the available customers including customers outside the city limits. The distribution system has 4, 6 and 8 inch PVC water main that was installed in the early 1980's. Currently each water customer is metered. The existing distribution system does have fire hydrants, but some are located on 4 inch lines. A map of the distribution system can be seen in Appendix A. The map was generated using knowledge of the system that was obtained from the Town of Midland's personnel and some older hand drawn maps.

2.2.3 Existing Storage: The existing ground storage tank (see picture 2.2 & 2.3) is located on the hill on the northwest corner of town. It is a steel bolted tank that was used prior to installation in the 1960's. The 75,000 gallon tank has a 24 foot side water depth and a 23 foot diameter. The pipe has a separate inlet and

outlet pipes and does not have a mixing system in the tank. The tank has been leaking for over 10 years and numerous repairs have been made to it.

Photo 2.2: Existing Tank

Photo 2.3: Existing Tank Leaks

2.3 POPULATION TRENDS AND PROJECTIONS

The population of the Town of Midland is declining which is following a state and national trend for smaller rural communities. For the purpose of this report a population of 129 people will be used as the current population for the Town of Midland which was the population estimate from the 2010 census. Below is a population table since 1990 showing the population estimates for the Town of Midland (data obtained from the US Census Bureau).

Table 2.1

Midland Population

Year	Population
1990	233
2000	179
2005	158
2010	129

The Town of Midland currently has 116 active service connections that includes residential in town, commercial/industrial and residential out of town. After discussions with the Town of Midland personnel they are expecting a bird seed facility to move to town and begin operation in the next year. It will be located on in the southeast corner of town on the south side of the railroad tracks. With the addition of a new industry coming town and with an active elevator in town it is assumed that the population of Midland will hold steady for the next 20 years. For the purpose of this report a design population of 149 people will be used assuming 2.5 people per connection in for the rural residential connections.

In addition to the "in town" customers the City of Midland also serves 9 "out of town" or rural customers. Of these 9 connections 8 are residential usage and 1 is for business use. A detailed breakdown of the water connections is listed below:

- 82 in town residential connections
- 8 out of town residential connections
- 19 in town businesses connections
- 1 out of town business connection
- 6 city connections

2.4 WATER USAGE TRENDS AND PROJECTIONS

Monthly usage records were obtained from West River/Lyman-Jones Rural Water System for the past 5 years. The data obtained from the water usage records from were used to determine the Average Gallons Per Day and Average Gallons Per Capita Per Day as shown in Table 2.2.

In addition detailed yearly billed water reports were obtained from the Town of Midland from the Finance Officer for the past 3 and half years. The detailed information can also be seen in Table 2.2.

Table 2.2
Bulk WR/LJ Water Meter
Usage Town of Midland (Gallons)

	2010	2011	2012	2013	2014	2015
January	309,000	397,000	355,000	368,000	376,000	369,000
February	321,000	342,000	237,000	290,000	327,000	348,000
March	383,000	456,000	267,000	266,000	299,000	534,000
April	351,000	265,000	423,000	303,000	330,000	453,000
May	399,000	633,000	601,000	515,000	309,000	674,000
June	868,000	598,000	823,000	549,000	595,000	472,000
July	1,077,000	728,000	1,437,000	975,000	1,241,000	796,000
August	1,146,000	916,000	1,110,000	627,000	1,022,000	844,000
September	897,000	683,000	854,000	771,000	587,000	
October	531,000	299,000	479,000	438,000	487,000	
November	313,000	532,000	274,000	286,000	499,000	
December	398,000	562,000	258,000	327,000	386,000	
Total	6,995,010	6,413,011	7,120,012	5,717,013	6,460,014	4,492,015
GPD	19164	17570	19507	15663	17699	37433
GPCD	150	137	152	122	138	292
W/R LJ Bulk Meter	13,377,174	12,102,581	13,665,519	10,789,676	12,232,713	8,302,448
Total Midland Billed Usage			6,192,000	4,791,100	5,380,000	3,882,000
Water Loss			55%	56%	56%	53%
GPD			16,964	13,126	14,740	15,910
GPCD @ Population 149			114	88	99	107
In Town Residential Usage			4829000	3282100	4240000	2966000
GPD			13,230	8,992	11,616	12,156
GPCD @ Population 129			103	70	90	94

(GPD – Gallons Per Day)
(GPCD – Gallons Per Capita Per Day)

Typically, water usage increases in the summer months due to summer activities and lawn watering and is the lowest during winter months. The highest water usage was in 2012 with 7,120,012 gallons or just under 19,507 gallons per day. The highest water

usage month in the past 5 years was July of 2012 at 1,437,000 gallons or approximately 46,355 gallons a day.

The best available data for water usage was from 2012-2015. Below is summary list of the statistics that are presented in Table 2.2

- Average water produced/purchased per year = 6,432,246 gallons
- Average water billed per year = 5,454,367 gallons
- Average water produced/purchased per day = 17,623 gallons
- Average water billed per day = 14,943 gallons
- Average water produced per capita per day = 118 gpcpd
- Average water billed per capita per day = 100 gpcpd
- Average water billed per capita per day in town = 87 gpcpd
- Average water loss = 15 %

Billing records obtained from the City of Midland can be seen in Appendix F.

2.5 PROJECTIONS OF FUTURE NEEDS

Probable future water demands were evaluated on the basis of population projections and current water demands. The analysis began by evaluating the historical data that was available from the Town of Midland and historical water use data from West River/Lyman-Jones Rural Water System. The town's population has seen a steady decline over the past 20 years, but with a new industry coming to town, in the summer of 2015, in can be concluded that the population and water usage in town will maintained their current levels over the next 20 years. A design population of 149 and an average annual daily flow of 20,000 GPD will be used for the basis of this report.

END OF SECTION 2

SECTION 3: ENVIRONMENTAL INFORMATION DOCUMENT

3.1 PROJECT AREA ENVIRONMENT

3.1.1 General Description of Project Area: The Town of Midland is located in Section 6 of Township 1 North, Range 25 West, in Haakon County, South Dakota. The topography of the Town is fairly steep from the north to the south sloping towards the Bad River which runs along the south side of town.

Midland has a water distribution system that was installed in the 1980's and ground storage tank that was installed in the 1960's. The town currently purchases all of its water from West River/Lyman-Jones Rural Water System. The water enters the system through a meter pit located on the northwest side of town and then flows into the ground storage tank. West River/Lyman-Jones supplies the Town of Midland with a 4" PVC line from the north and 6" line from the south. These lines are feed off of the West River/Lyman-Jones Rural Water System transmission lines.

The project area to be served includes the area within the present development platted boundaries and some customers outside of the city limits. There will be no additional land added to the town as part of these improvements.

3.1.2 Historical, Cultural, and Archeological: The Town of Midland is located in the central region of South Dakota, in the far southeast corner of Haakon County.

Transportation facilities near the town include the intersection of US HWY 14 and SD HWY 63 in town. Interstate 90 is located 13 miles south of Midland and

SD HWY 63 connects Midland to Interstate 90. The Rapid City, Pierre & Eastern Railroad runs along the south side of town.

The development of this project would not adversely affect any sites listed in the register of National Historic Places. Verification of historic sites will be requested from the South Dakota State Office of Cultural Preservation. Currently there are no known National Historic Locations in Haakon County, South Dakota.

The land in the study area has been rich in wild game and fur bearing animals. Prior to settlement, the area was frequented by nomadic Indians and fur trappers and traders. If a literature search shows that no previous archaeological inspections have occurred at the proposed project site, an on-site archaeological inspection will be requested prior to completion of construction plans and specifications for the selected alternative. Proposed improvements are expected to take place in previously disturbed soils along development access roads.

3.1.3 Floodplains, Wetlands, and Aquifers:

3.1.3.1 Floodplains: The Town of Midland is a participant in the National Flood Insurance Program (NFIP). All proposed alternatives for distribution system improvements will be located outside of Zone A areas according to FEMA flood insurance rate maps. Zone A areas are areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. The proposed improvements are located in Zone X according to FEMA flood insurance rate maps. Zone X areas are areas of minimal flood hazard, usually depicted on FIRMs as above 500-year flood level. The FEMA Firmette map for this area is included in Appendix A.

3.1.3.2 Wetlands: It is anticipated that the improvements to the water distribution system will not impact areas considered as natural wetlands, as defined by the National Wetlands Inventory (NWI). Figure 3.1 shows the wetlands in the Town of Midland vicinity.

Figure 3.1 Wetland Map

3.1.3.3 Aquifers: The study area has two different sources for water rights according to the South Dakota Department of Environment and Natural Resources water rights data base. The first being the surface water source of the Bad River and Bad River Basin. The second being deep aquifers like the Madison and the Dakota which are located thousands of

feet below the Town Midland. Two water rights are currently active from these deep aquifers the Stroppel Hotel and the Town of Midland. The Town of Midland no longer uses this water permit for domestic water and their artesian well has been capped.

3.1.4 Agricultural Lands: It is anticipated that the improvements to the water distribution system occur in previously developed land and should not impact areas considered as agricultural lands.

3.1.5 Wild and Scenic Rivers: The only wild and scenic river in South Dakota is sections of the Missouri River. There are no registered Wild and Scenic Rivers in the project area. The Bad River is the nearest river to the Town of Midland and proposed improvements. The construction of improvements in the Town of Midland is not expected to cause any permanent changes to the designated uses of the water resources.

3.1.6 Fish and Wildlife Resources: Both fish and wildlife are directly dependent upon the quantity and quality of their habitat. As in the rest of the United States, the quantity and quality of wildlife habitat is still decreasing in Haakon County.

3.1.6.1 Fish: A total of 21 species of fish were identified in seine collections in 1996 at 20 stations in the Bad River from the mouth to the south fork (C. Milewski, South Dakota State University, Department of Wildlife and Fisheries, personal communication). Black bullhead, common carp, fathead minnow, green sunfish, plains minnow, red shiner, sand shiner, and white sucker were collected throughout the river. Channel catfish, flathead chub, and river carpsucker were collected in the mainstem but

not in the south fork. Emerald shiner and orange-spotted sunfish were collected in the upper part of the watershed, while shorthead redhorse and yellow perch were found below Indian Creek. Goldeye were taken in the reach between Mexican and Burnt Creeks. Several other species collected in the upper Bad River were thought to have originated from farm pond overflow and included bluegill, golden shiner, hybrid sunfish, northern pike, and yellow perch.

3.1.6.2 Wildlife:

3.1.6.2.1 Aquatic and Semiaquatic Species: The Town of Midland and the study area lie within a large flyway region of the north-central United States, which serves as a major migratory route for waterfowl. The proposed construction is not expected to have a negative impact on the migratory patterns of the waterfowl inhabiting the area. Some other common species seen in the wetlands of the study area are gulls, terns, killdeer, sandpipers, blackbirds, and robins.

3.1.6.2.2 Terrestrial Species: Numerous species of wildlife are seen in west-central region of South Dakota with mule deer, white-tailed deer, antelope and turkeys. These are the most common species that are hunted with both guns and bow in the area. Furbearers in the area include the praire dogs, coyotes, mink, striped skunk, beaver, badgers, raccoons, and squirrels, and other wildlife during all seasons.

Many bird species have been recorded by local bird clubs both during migration and also during the nesting season. The

pheasant population within the study region fluctuates but is generally above average. Pheasants are heavily hunted each fall. There is also a population of sharptail grouse and prairie chickens that hunted in the area.

3.1.6.3 Endangered Species: The proposed water distribution system construction will take place in the existing development. No adverse impacts to threatened and endangered species are expected to occur as a result of the construction activities associated with this project. A list of threatened and endangered species in Haakon County, obtained from the U.S. Fish and Wildlife Service, is shown in Table 3.1: Summary of Threatened and Endangered Species in Haakon County, South Dakota.

Table 3.1 Summary of Threatened and Endangered Species in Haakon County, South Dakota.

GROUP	SPECIES	STATUS
Bird	Plover, Piping	Threatened
Bird	Tern, Least	Endangered
Bird	Whooping Crane	Endangered
Bird	Sprague's Pipit	Candidate

Figure 3.1: Threatened and Endangered Species in Haakon County, South Dakota.

Sprague's Pipt

Plover Piping

Whooping Crane

Least Tern

All construction activity associated with the recommended improvements will occur in previously developed areas and will not disturb any habitat for endangered species in the area.

3.1.7 Air Quality: The proposed project area and the Town of Midland in general will have no major air quality problems. Local air quality problems occur due to odors from different sources such as the wastewater treatment facilities, livestock feeding operations, manure pits, sloughs and numerous other sources.

Dust storms also occur on occasion; particularly in dry years when inadequate vegetative cover has been allowed to remain on the land surface.

The proposed project is not expected to have a long-term adverse impact on air quality in the area. There will be short-term impacts during construction due to fugitive dust and heavy equipment operation.

3.2 PROJECT PURPOSE AND NEED

The proposed improvements will upgrade the existing system. The existing system is further described in Section 2 of this report. The alternatives for upgrading the facilities are described in Section 5. Maps of the proposed improvements can be found in Appendix A.

The proposed water storage and distribution system improvements will provide the residents of Midland a reliable water system that has the capability to handle both the present and future water demands, and also help them meet the requirements set by the Safe Drinking Water Act.

3.3 PROJECT IMPACT

3.3.1 Direct and Indirect Impacts on Environment: Previous portions of this section have addressed the impact of the proposed project on water quality, fish and wildlife, historical and archaeological sites and air quality. The remainder of this section addresses other impacts of the proposed project and mitigation measures that may be necessary to limit adverse impacts.

3.3.1.1 Land Resources: Construction of the proposed improvements will require excavation, site grading work at the proposed project site, and

installation of watermain pipe. Potential adverse environmental impacts during construction include short term localized erosion and airborne dust from the construction site through wind action and heavy equipment use. Erosion and sediment control practices include both temporary measures such as temporary fencing, erosion control barriers, and seeding and grading of properly sloped drainage ways.

3.3.1.2 Air Resources: Air quality may be locally degraded by increased particulate levels during excavation and construction work associated with the proposed improvements. Temporary increases in construction equipment emissions are not expected to be significant to the general impacted area. Measures that can be taken during construction to control excessive airborne dust are listed below.

- Watering and/or the use of dust retardants before and during construction,
- Stabilizing temporary and permanent access roads to prevent erosion,
- Proper placement and compaction of stockpiled soil and excavated material to reduce particulates,
- Regarding, resurfacing, and/or reseeding dust-prone areas and disturbed terrain immediately, and
- Limiting construction activities during periods of high winds.

3.3.1.3 Wildlife Resources: The proposed project will result in construction activities in developed land and in roadways. Wildlife will be deterred from occupying the area immediately adjacent to the sites due to

construction activities. No long-term adverse effects on wildlife are expected as a result of this project.

3.3.1.4 Cultural Resources: The construction and operation of the water distribution system is not expected to have any significant adverse short-term or long-term impact on cultural resources of the area. The only apparent potential impact may be the unearthing or covering up of historic or archaeological resources during construction excavation. In the event that archaeological or historic resources are unearthed during construction excavation, the immediate stoppage of work is dictated by a required condition in the contract specifications.

Construction should bring a slight economic boost to the area through the hiring of local labor, retail trade by construction employees, and purchase of miscellaneous building supplies and fuel.

3.3.2 Impact on the Environment with no Improvement Action Taken: If no action is taken to upgrade the existing water system there would be a similar impact to the environment. The existing water system is aging and ground storage tank has surpassed its useful life expectancy. Currently minor construction excavation already takes place during periodic times in Midland with excavation equipment already being used during those time frames. In summary, the water storage and distribution system upgrades should be made to the system.

END OF SECTION 3

SECTION 4: WATER QUALITY AND REGULATORY REQUIREMENTS

4.1 SAFE DRINKING WATER ACT REQUIREMENTS

4.1.1 Stage 2 Disinfection By-product Rule: The use of chemicals that are effective as disinfectants creates the possibility of disinfection byproduct formation. The byproducts are generally formed by reactions between organic compounds and the disinfectant. The most common byproducts are compounds formed between methane and halogens such as chlorine. The general term for these compounds is trihalomethanes (TTHM) and Halo Acidic Acids (HAA5). The current Safe Drinking Water Act includes maximum contaminant levels (MCLs) for the common disinfection byproducts. The parameters regulated as disinfection byproducts are TTHMs and HAA5. The Stage 2 limits on these parameters are in Table 4.1: Stage 2 – Disinfectants and Disinfection Byproducts Rule.

Table 4.1

Stage 2 – Disinfectants and Disinfection Byproducts Rule

DISINFECTION BYPRODUCT	MCL[3] (ug/l)
TTHM[1]	80
HAA5[2]	60
DISINFECTANTS	**MRDL[4] (mg/l)**
Chlorine	4.0 (as Cl_2)
Chloramines	4.0 (as Cl_2)
Chlorine Dioxide	0.8 (as $Cl0_2$)

Note: 1 – Sum of chloroform, dichlorobromomethane, dibromochloromethane, and bromoform.
2 – Sum of trichloroacetic acid, dichloroacetic acid, monochloroacetic acid, monobromoacetic acid, and dibromoacetic acid.
3 – MCL = Maximum Contaminant Level.
4 – MRDL = Maximum Residual Disinfectant Level.

The Stage 2 Disinfectants and Disinfection Byproducts Rule was published at the same time as the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) in January of 2006. The Stage 2 D/DBR sets the MCLs for TTHM and HAA5 limits of 80 µg/l and 60 µg/l respectively, but instead of averaging all of the sampling locations together, the water utility must keep a running annual average for each sampling location. Each sampling location must then meet the Stage 2 D/DBP Rule requirements.

The Town of Midland has been in violation of the for the HAA5 maximum contaminant level for the 4 quarters in the past year. The results of the testing for the past 2 years can be seen below:

Table 4.2

Midland Disinfection Byproduct Sampling Information

Year	Quarter	HAA5	HAA5 (RAA)*	TTHM	TTHM (RAA)*
2013	3	65.9	na	65.4	na
2013	4	51.6	na	69.4	na
2014	1	48.6	na	50.5	na
2014	2	81.6	***61.93***	65.2	62.63
2014	3	63.1	***61.23***	71.1	64.05
2014	4	65.7	***64.75***	88.9	68.93
2015	1	35.9	***61.58***	45	67.55
2015	2	23.6	47.08	43.9	62.23

(HAA5 and TTHM concentrations are shown as ug/L)

* (RAA) Running annual average is the average of the last four quarterly samples of TTHM and HAA5. This is the number that must be reported to the SD DENR for compliance and limits are 60 for HAA5 and 80 for TTHM.

The Town of Midland has been in violation of the HAA5 maximum contaminant level for the 4 of the last 5 quarters. The first and second quarter reduction in

HAA5 concentration was a direct result of 100,000 gallons of water that was flushed this spring during hydrant flushing. In order to conserve treated drinking water, installation of a new storage tank and mixing system with looping of the distribution lines should provide similar results as flushing the lines at high volumes.

4.1.2 Lead and Copper Rule: The lead and copper rule was established in 1991 to optimize corrosion control and, if appropriate, treat source water, deliver public education, and replace lead service lines. The action levels pertaining to this rule are as follows: 15 mg/l for lead and 1.3 mg/l for copper.

Midland performed lead and copper concentration monitoring in 2014. The lead and copper concentrations were measured at five different locations in the subdivision and the highest results were 1.3 mg/L for lead and 0.12 mg/L for copper.

4.2 PRESENT WATER QUALITY

4.2.1 Summary of Water Characteristics: The water supply for the Town of Midland is West River/Lyman-Jones Rural Water System which purchases its water from Mni Wiconi Water Treatment Plant part of the Oglala Sioux Rural Water Supply System. The water is purchased from West River/Lyman Jones and enters the system through a meter pit on the northwest side of town. Water quality characteristics of the Town of Midland water supply is summarized in Table 4.3:

Table 4.3

Midland Water Characteristics (WR/LJ water)

Characteristic	Treated
TDS	582
Conductivity	889
PH	7.66
“M” Alkalinity	150
“P” Alkalinity	0
Sodium	89
Potassium	5.3
Calcium	63.9
Magnesium	28.7
Iron	0.0
Manganese	0.02
Chloride	15.0
Sulfate	289
Hardness	278
Nitrate	0.0
Fluoride	1.31

END OF SECTION 4

SECTION 5: EVALUATION OF ALTERNATIVES

5.1 INTRODUCTION

The purpose of this section of the facility planning document is the evaluation of alternatives for improvements necessary for the Town of Midland's water storage and distribution system. When the existing system was evaluated deficiencies were identified in both the water storage and water distribution system.

The existing ground storage tank is past its design life. The reservoir has had numerous leaks that have had to be fixed over the past few years and continues to deteriorate with new leaks every year. The tank is oversized and contributes to pour water quality issues because of its size and lack of mixing system. The combination of these two items directly effects the HAA5 concentrations in the system in a negative way. A summary of the evaluated alternatives and the costs associated with each are summarized in this section (maps and detailed costs of each alternative can be found in Appendices A & B).

The distribution system is in good shape, but some recommended improvements for looping in areas of town to improve water quality throughout Midland have been identified. They are described in this section further detail. All capital improvements necessary to provide a reliable water storage and distribution system for the Town of Midland is summarized in the section below.

5.2 WATER STORAGE ALTERNATIVES CONSIDERED

Alternative 1: Replace the existing 75,000 gallon ground storage reservoir with a 74,000 gallon ground storage reservoir. The new tank would be

equipped with a mixing system and be built on the same property as the current reservoir.

Alternative 2: Replace the existing 75,000 gallon ground storage reservoir with a 53,000 gallon ground storage reservoir. The new tank would be equipped with a mixing system and be built on the same property as the current reservoir.

Alternative 3: Replace the existing 75,000 gallon ground storage reservoir with a new meter pit, control valves and interior piping. The alternative would also include 3 miles of 6" PVC waterline installation.

These alternatives are evaluated below:

5.2.1 Alternative 1 – 74,000 Gallon Ground Storage Reservoir:

The existing ground storage reservoir would be replaced by a new 74,000 gallon ground storage reservoir. The reservoir would be a glass lined steel bolted tank with a 20 foot diameter and a 33 foot side water depth. The side water depth would be slightly higher than the current tank level, but should not adversely affect the pressure in the distribution system. The tank would be equipped with a mixing system to ensure that the tank does not experience thermal stratification. Thermal stratification in the old tank is more than likely one of the contributing factors for the maximum contaminate level violation for HAA5 that the Town of Midland has been experienced over the past year.

The new ground storage reservoir will be built on the same plot of land as the existing reservoir. The design would call for the new reservoir to be built directly to the south of the existing reservoir and keep the existing

reservoir in operation until the new reservoir is completed. The site piping will need to be modified for this alternative to allow for the reservoir piping to connect to the existing distribution piping and to disconnect all existing lines from the existing reservoir. Also all other lines that were previously connected to the "old" water treatment plant will be disconnected and capped from the distribution system.

The tank will need to be furnished with a mixing system please see below for the different mixing systems that were evaluated:

5.2.1.2 Mixing Alternatives

Four different types of mixing systems were evaluated: Tide flex, Pulsed Hydraulics, Inc., BIF and SolarBee.

Tideflex Mixing System (TMS) is a hydrodynamic mixing system which passively utilizes the energy provided by the inlet water supply and generates a sufficient inlet momentum to achieve a homogeneous blending of the water volume within the reservoir with the inlet supply flow. TMS consists of one bi-directional flow manifold pipe with duckbill inlet nozzles and outlet check valves separated to mitigate short circuiting. The inlet/outlet pipe is braced to the floor of the reservoir and allows for a single wall penetration.

Pulsed Hydraulics, Inc (PHi) provides a "HydroPulse" system that mixes the entire contents of the basin without in-basin moving parts. PHi hydropulses pressurized air through stainless steel forming plates located on the bottom of the reservoir, forming beach ball-size bubbles masses

that rise to the surface of the basin. As the air bubbles rise, they drag tank contents with them. When the bubble-masses break the surface and exit to the atmosphere, the tank contents roll horizontally until they meet a tank wall or meet a wave of contents coming from another bubble-mass. The hydropulse system operates by using a sequencing computer and compressed air.

BIF provides a Universal Fluid Mixer (UFM) which is configured to use the energy of the incoming and outgoing water to mix stored water. UFM uses the pressure difference between the inlet pipe and the atmospheric pressure to mix the water during filling. Mixing results from turbulence created by the introduction of the water into the tank from points throughout the tank. Mixing is created by three-dimensional, dynamic currents that influence each other so that water is mixed throughout the tank. The UFM mixing system also works during the draft cycle. Gravity forces the water back into the UFM system from different regions and elevations throughout the tank, these regions are different from the regions influenced by the fill cycle.

SolarBee mixing system consists of mixing mechanism located inside the ground storage reservoir that will draw water from the bottom of the basin through an intake assembly fastened to the floor of the reservoir and circulating it to the top of the basin. The circulation equipment floats in the basin allowing for a varying water elevation. At depths below five (5) feet, the impeller will be out of the water and the machine will stop circulating water.

The advantages and disadvantages of each of the mixing systems are evaluated in the following table:

Table 5.1
Reservoir Mixing System Alternatives

Mixing Method	Advantages	Disadvantages
Tideflex	• One tank wall penetration • No tank wall bracing • No outside energy source • Low maintenance	• No mixing within reservoir when there is no influent flow
PHi	• One tank wall penetration • No tank wall bracing	• Need a sequencing computer and air compressor • Requires an outside energy source
BIF	• No outside energy source • Low maintenance	• Complex piping network requires multiple support structures
SolarBee	• One tank wall penetration • No tank wall bracing • Low maintenance • Mixes regardless of influent water flow	• No mixing below a water elevation of five (5) feet.

Mixing System Selection

After the initial evaluation of the mixing systems the SolarBee system and the Tideflex system were selected for further evaluation. The PHi system was not selected because it required a sequencing computer, air compressor and an outside energy source. The BIF system was not selected because it involved a complex piping network that required multiple support structures.

The advantages of selecting the Tideflex system over the SolarBee system include:

- The Tideflex provides mixing in the reservoir with no additional operation and maintenance costs or up keep.
- The Tideflex system is installed on the inlet pipe and provides mixing at all tank levels

Mixing System Summary/Recommendations

The Tideflex mixing system is recommended due no maintenance and operational cost to run, no additional power costs, and the ability to mix the tank at all tank levels.

The estimated costs associated with the capital improvements necessary for Alternative 1 are shown in Table 5.2.

Table 5.2

Probable Project Costs for Alternative 1

DESCRIPTION	COST
Probable Construction Cost	$333,100
Engineering, Contingencies and Administration	$118,810
OPINION OF PROBABLE PROJECT COST	**$451,910**

5.2.2 Alternative 2 – 53,000 Gallon Ground Storage Reservoir:

The existing ground storage reservoir would be replaced by a new 53,000 gallon ground storage reservoir. The reservoir would be a glass lined steel bolted tank with a 20 foot diameter and a 24 foot side water depth. The

side water depth would be the same as the existing tank side water depth, so there would be no affect to the pressure in the distribution system. The tank would be equipped with a mixing system to ensure that the tank does not experience thermal stratification (see alternative 1 for mixing system evaluation). Thermal stratification in the old tank is more than likely one of the contributing factors for the maximum contaminate level violation for HAA5 that the Town of Midland has been experienced over the past year.

The new ground storage reservoir will be built on the same plot of land as the existing reservoir. The design would call for the new reservoir to be built directly to the south of the existing reservoir and keep the existing reservoir in operation until the new reservoir is completed. The site piping will need to be modified for this alternative to allow for the reservoir piping to connect to the existing distribution piping and to disconnect all existing lines from the existing reservoir. Also all other lines that were previously connected to the "old" water treatment plant will be disconnected and capped from the distribution system.

The ground storage tank was sized based on the max day design which is 2.0 times the average day demand (based on Reynolds/Richards "Unit Operations and Process in Environmental Engineering 2nd Edition) plus some additional capacity was added for equalization flow during high water demand periods (flushing and watermain breaks). Tank suppliers were contacted and quotes were requested for the most economical tank for an approximate size of 50,000 gallons with a 24 foot side water depth (current operational depth of existing tank). The tank suppliers

recommended the most economical size would be a 53,000 gallon tank with a 20 foot diameter by 24 foot side water depth.

The estimated costs associated with the capital improvements necessary for Alternative 2 are shown in Table 5.3.

Table 5.3

Probable Project Costs for Alternative 2

DESCRIPTION	COST
Probable Construction Cost	$309,100
Engineering, Contingencies and Administration	$110,460
OPINION OF PROBABLE PROJECT COST	**$419,560**

5.2.3 Alternative 3 – New Meter Vault with Multiple Control Valves: A new meter vault would be constructed on the existing reservoir site and after construction the existing reservoir would be demolished and taken off line. The existing site piping would need to be modified to connect the new vault to the existing distribution system. All piping associated with the existing reservoir and "old" water treatment plant would be capped and abandoned to remove any source of contamination to the water distribution system.

The new meter vault would be designed so that water would have a low flow and high flow meter and control valve. The meter structure would be designed so that water goes through a small meter during periods of low/normal flow and normal pressures of 60 psi. A pressure reducing valve set at a pressure of 50 psi would be used to deliver flow during high flow events. At low flows and pressures above 50 psi the control valve will be

closed and all the water will go through the small meter. If a hydrant in town is opened and large flow is needed, the pressure in the system will drop below 50 psi, the control valve will open and route flows through the larger flow meter.

In addition to the improvements that would be needed at the existing tank site. The north service line from West River/Lyman-Jones Rural Water System would need to be upsized to at least a minimum of 6”. Currently the line from the south consists of 3 miles of 8”, 8 miles of 6” and 3 miles of 4”. The head losses associated in the 4 inch line would be too great during a call for water during large demands. A detailed water model would need to be run to determine if additional upsizing beyond upsizing from 4” to 6” that is accounted for in the cost estimate.

In addition to upsizing West River/Lyman-Jones service line a new contract would need to be worked out between the Town of Midland and West River/Lyman-Jones to account for the new demand parameters that would be set by the larger control valve in the new meter vault. The new parameters would need to be determined by the demand in town during hydrant flushing.

The estimated costs associated with the capital improvements necessary for Alternative 3 are shown in Table 5.4:

Table 5.4

Probable Project Costs for Alternative 3

DESCRIPTION	COST
Probable Construction Cost	$714,930
Engineering, Contingencies and Administration	$230,970
OPINION OF PROBABLE PROJECT COST	**$945,900**

5.2.4 No Action Alternative: A no action alternative would leave the Town of Midland with an unreliable water storage reservoir. The existing reservoir has reached its useful life and needs to be replaced before a catastrophic failure leaves the system and its residents without a storage reservoir. The existing tank also is oversized and does not have a mixing system causing the systems water quality to deteriorate with respect to HAA5 values. A no action alternative is not recommended.

5.3 WATER DISTRIBUTION SYSTEM ALTERNATIVES CONSIDERED

In addition to the alternatives evaluated for the water reservoir storage improvements, improvements were identified in the distribution system that could be made to improve water quality in the system. As a whole the distribution system is in good shape being all PVC installed in the 1980's. The design life of the PVC in the ground should extend past the 20 year period this report is looking at. The improvements that were identified were to improve water quality in the system by looping dead end lines in the system. Looping alone will not improve the water quality, so Midland should continue to flush lines twice a year in town as well. These improvements were broken down into separate phases and

ranked in order of importance pertaining to effects of water quality in the system. The phase 1 and phase 2 water distribution improvements are identified below with associated costs:

5.2.5 Phase 1 – Distribution Improvements – Pierre & Stanley Street:

Phase 1 of the distribution improvements includes installation of 6" water main on Pierre Street from Ash Street to Russell Street. 6" water main would also be installed along Stanley Street Elm Street to Ash Street. These two additional lines will provide looping in that area of town which will eliminate two long dead end lines and improve water quality in town.

The estimated costs associated with the capital improvements necessary for Phase 1 are shown in Table 5.5:

Table 5.5

Probable Project Costs for Phase 1

DESCRIPTION	COST
Probable Construction Cost	$73,210
Engineering, Contingencies and Administration	$36,220
OPINION OF PROBABLE PROJECT COST	**$109,430**

5.2.6 Phase 2 Distribution System Improvements – Northwestern Ave: New 6-inch PVC water main would be installed along Northwestern Avenue from the intersection of Elm Street to the intersection of Wakapala Street and connect 4 dead end lines that currently run on the south end of Ash Street, Bridge Street, Russell Avenue and Wakapala Street. In addition, the new line would also provide better water quality in the area.

The estimated costs associated with the capital improvements necessary for Phase 2 are shown in Table 5.6:

Table 5.6

Probable Project Costs for Phase 2

DESCRIPTION	COST
Probable Construction Cost	$124,510
Engineering, Contingencies and Administration	$58,030
OPINION OF PROBABLE PROJECT COST	**$182,540**

5.4 OPERATION AND MAINTENANCE COSTS

The proposed alternatives identified do not affect the operation and maintenance costs associated with the water storage and distribution system.

5.5 SUMMARY AND RECOMMENDATIONS

Each alternative presented in this section would address the current problems the system has which are a ground storage reservoir which is past its design life and high HAA5 concentrations in the distribution system. Alternative 3 has been ruled out due to the high cost associated with that alternative.

Alternative 1 and 2 are very similar and only differ in the size of ground storage reservoir that would be installed to replace the existing storage reservoir. The Town of Midland's water usage fluctuates greatly form winter to summer months. The average day water demand for the year is just less than 20,000 gallons a day. However the average day water demand in the summer months can be as high as 45,000 gallons a day as indicated in July of 2012. The Town of Midland is a very isolated community with long service lines from the main distribution system of West River/Lyman-Jones Rural Water System (14 miles service line from the north and 16 mile service line from the south). Midland also

does not have another source of water, there for it is essential for Midland to have at minimum the storage capacity to meet at least one day demand during summer months. However the current tank size of 75,000 gallons is a little over sized and that is why a tank size of 53,000 gallons is being recommended for the replacement tank. This tank size will more closely represent average day water usage in the summer months and will help reduce stratification of the tank, which in turn will help reduce the HAA5 concentrations in the distribution system. Therefore, the recommended alternative is Alternative 2 – 53,000 gallon ground storage reservoir.

In addition to the capitol improvements identified in Alternative 2, it is recommended that the Town of Midland construct the distribution improvements that were identified in this report. It would be recommended the distribution improvements be phased after construction of the improvements in Alternative 2. The priority list for improvements to the water storage and distribution system is as follows:

1. Alternative 2 – 53,000 gallon ground storage reservoir
2. Phase 1 - Distribution Improvements
3. Phase 2 - Distribution Improvements

Table 5.7

Probable Project Costs for Identified Improvements

DESCRIPTION	COST
Alternative 2 – 53,000 gallon ground storage res.	$419,560
Phase 1 – Distribution Improvements	$109,430
Phase 2 – Distribution Improvements	$182,540
OPINION OF PROBABLE PROJECT COSTS	**$711,530**

The Summary of Probable Project Costs is presented in the Appendix B. Section 6 of this report addresses the financial requirements using 0%, 50% and 75% grant participation and the rate impact for each grant participation.

END OF SECTION 5

SECTION 6: RECOMMENDATIONS AND CAPITAL IMPROVEMENTS PLAN

6.1 DESCRIPTION OF SELECTED IMPROVEMENTS

6.1.1 Alternative 2 – 53,000 Gallon Ground Storage Reservoir:

The existing ground storage reservoir would be replaced by a new 53,000 gallon ground storage reservoir. The reservoir would be a glass lined steel bolted tank with a 20 foot diameter and a 24 foot side water depth. The side water depth would be the same as the existing tank side water depth, so there would be no affect to the pressure in the distribution system. The tank would be equipped with a mixing system to ensure that the tank does not experience thermal stratification (see alternative 1 for mixing system evaluation). Thermal stratification in the old tank is more than likely one of the contributing factors for the maximum contaminate level violation for HAA5 that the Town of Midland has been experienced over the past year.

The new ground storage reservoir will be built on the same plot of land as the existing reservoir. The design would call for the new reservoir to be built directly to the south of the existing reservoir and keep the existing reservoir in operation until the new reservoir is completed. The site piping will need to be modified for this alternative to allow for the reservoir piping to connect to the existing distribution piping and to disconnect all existing lines from the existing reservoir. Also all other lines that were previously connected to the “old” water treatment plant will be disconnected and capped from the distribution system.

6.2 ESTIMATED REVENUE REQUIREMENTS AND UTILITY RATE ADJUSTMENTS

6.2.1 Revenue Requirements and Probable Water Rate Adjustments: It was assumed for purposes of rate calculations that the project will be financed with a combination of grants and loans. The total probable project costs for the water storage and distribution system improvements totals $711,530. Calculation of annual debt service cost has been completed based on a 0%, 25%, 50% and 75% grant and prevailing interest rates for loans. Grant funding will be requested from the State of South Dakota and will be based on the needs of the community and the improvements recommended. It is assumed that the Town of Midland will be eligible for a State Revolving Fund (SRF) loan with a 20-yr term at 3.0% interest. Table 6.1 and 6.2: Equivalent Annual Cost Comparisons using 0%, 25%, 50% and 75% respectively contain a breakdown of costs associated with the proposed project. The average water rate per customer is currently $25.00 a month for 5,000 gallons of water. Tables 6.1 and 6.2 shows the proposed rate increase for each of the 0%, 25%, 50% and 75% grant funding.

Table 6.1:
Equivalent Annual Cost Comparisons and Rate Analysis

Description	0% Grant	25% Grant
Probable Construction Costs & Cont.*	$592,750	$592,750
Engineering (Design, Bid)*	$51,425	$51,425
Resident Engineering & Staking*	$51,425	$51,425
Administration & Final Inspection	$15,930	$15,930
Probable Project Costs*	$711,530	$711,530
Grant Participation - Percent	0%	25%
Grant Participation - Amount	$0	$177,883
Loan Amount	$711,530	$533,648
Debt Service (3.00% and 20-yr term)	$47,826	$35,869
Reserve (10% of Debt Service)	$4,783	$3,587
Debt Service from Loan	$52,609	$39,456
Total Annual Expenses	**$52,609**	**$39,456**
Current Average Monthly Water Rate	$25.00	$25.00
Total Number of Municipal Accounts	110	110
Proposed Monthly Increase in Water Rate/Customer	$39.85	$29.89
Proposed Annual Water Rate/Customer	$778	$659
Proposed Total Annual Income	$52,609	$39,456
Proposed New Average Monthly Water Rate	$64.85	$54.89

Table 6.2:
Equivalent Annual Cost Comparisons and Rate Analysis

Description	50% Grant	75% Grant
Probable Construction Costs & Cont.*	$592,750	$592,750
Engineering (Design, Bid)*	$51,425	$51,425
Resident Engineering & Staking*	$51,425	$51,425
Administration & Final Inspection	$15,930	$15,930
Probable Project Costs*	$711,530	$711,530
Grant Participation - Percent	50%	75%
Grant Participation - Amount	$355,765	$533,648
Loan Amount	$355,765	$177,883
Debt Service (3.00% and 20-yr term)	$23,913	$11,956
Reserve (10% of Debt Service)	$2,391	$1,196
Debt Service from Loan	$26,304	$13,152
Total Annual Expenses	**$26,304**	**$13,152**
Current Average Monthly Water Rate	$25.00	$25.00
Total Number of Municipal Accounts	110	110
Proposed Monthly Increase in Water Rate/Customer	$19.93	$9.96
Proposed Annual Water Rate/Customer	$539	$420
Proposed Total Annual Income	$26,304	$13,152
Proposed New Average Monthly Water Rate	$44.93	$34.96

The Town of Midland may need to prioritize the capitol improvements needed and the replacement of the ground storage reservoir needs to be addressed as soon as possible. Tables 6.3 and 6.42 show the proposed rate increase if just the Alternative 2 was constructed for each of the 0%, 25%, 50% and 75% grant funding.

Table 6.3
Alternative 2:
Equivalent Annual Cost Comparisons and Rate Analysis

Description	0% Grant	25% Grant
Probable Construction Costs & Cont.*	$355,470	$355,470
Engineering (Design, Bid)*	$28,438	$28,440
Resident Engineering & Staking*	$28,438	$28,440
Administration & Final Inspection	$7,210	$7,210
Probable Project Costs*	$419,560	$419,560
Grant Participation - Percent	0%	25%
Grant Participation - Amount	$0	$104,890
Loan Amount	$419,560	$314,670
Debt Service (3.00% and 20-yr term)	$28,201	$21,151
Reserve (10% of Debt Service)	$2,820	$2,115
Debt Service from Loan	$31,021	$23,266
Total Annual Expenses	**$31,021**	**$23,266**
Current Average Monthly Water Rate	$25.00	$25.00
Total Number of Municipal Accounts	110	110
Proposed Monthly Increase in Water Rate/Customer	$23.50	$17.63
Proposed Annual Water Rate/Customer	$552	$482
Proposed Total Annual Income	$31,021	$23,266
Proposed New Average Monthly Water Rate	$48.50	$42.63

Table 6.4
Alternative 2
Equivalent Annual Cost Comparisons and Rate Analysis

Description	50% Grant	75% Grant
Probable Construction Costs & Cont.*	$355,470	$357,000
Engineering (Design, Bid)*	$28,440	$28,440
Resident Engineering & Staking*	$28,440	$28,440
Administration & Final Inspection	$7,210	$7,210
Probable Project Costs*	$419,560	$419,560
Grant Participation - Percent	50%	75%
Grant Participation - Amount	$209,780	$314,670
Loan Amount	$209,780	$104,890
Debt Service (3.00% and 20-yr term)	$14,101	$7,050
Reserve (10% of Debt Service)	$1,410	$705
Debt Service from Loan	$15,511	$7,755
Total Annual Expenses	**$15,511**	**$7,755**
Current Average Monthly Water Rate	$25.00	$25.00
Total Number of Municipal Accounts	110	110
Proposed Monthly Increase in Water Rate/Customer	$11.75	$5.88
Proposed Annual Water Rate/Customer	$411	$341
Proposed Total Annual Income	$15,511	$7,755
Proposed New Average Monthly Water Rate	$36.75	$30.88

6.2.2 Changes in Operation and Maintenance Costs:

There will be no changes to the operation and maintenance costs associated with the capitol improvements that were recommended as part of this report

6.3 IMPLEMENTATION PLAN AND SCHEDULE

Completion of the improvements recommended in this report will require scheduling and coordination of activities for planning, design and construction of the improvements. The activities necessary in the near future are those associated with the final planning and design activities to qualify the project for State Revolving Loan funds and design of the recommended improvements. Several of the critical tasks and associated target dates are summarized in Table 6.3: Implementation Schedule.

Table 6.3:
Implementation Schedule

TASK	DATE
Presentation and Acceptance of Final Water System Facilities Plan	July, 2015
State Water Plan Application	October 1, 2015
Placement on State Water Plan	October, 2015
Grant Applications Due	October, 2015
DENR Approval for Grant	March, 2016
DENR SRF Loan Application	March, 2016
DENR Approval for SRF Loan	March, 2016
Notice to Proceed on Design of Improvements	March, 2016*
Submittal of Plans and Specifications for Review	May, 2016
Open Bids for Construction of System Improvements	June, 2016
Complete Construction of Improvements	November, 2016
Complete One Year Warranty period	November, 2017

*It is anticipated that funds will not be available from the State until March 2016

6.4 VIEWS OF THE PUBLIC AND CONCERNED INTERST GROUPS

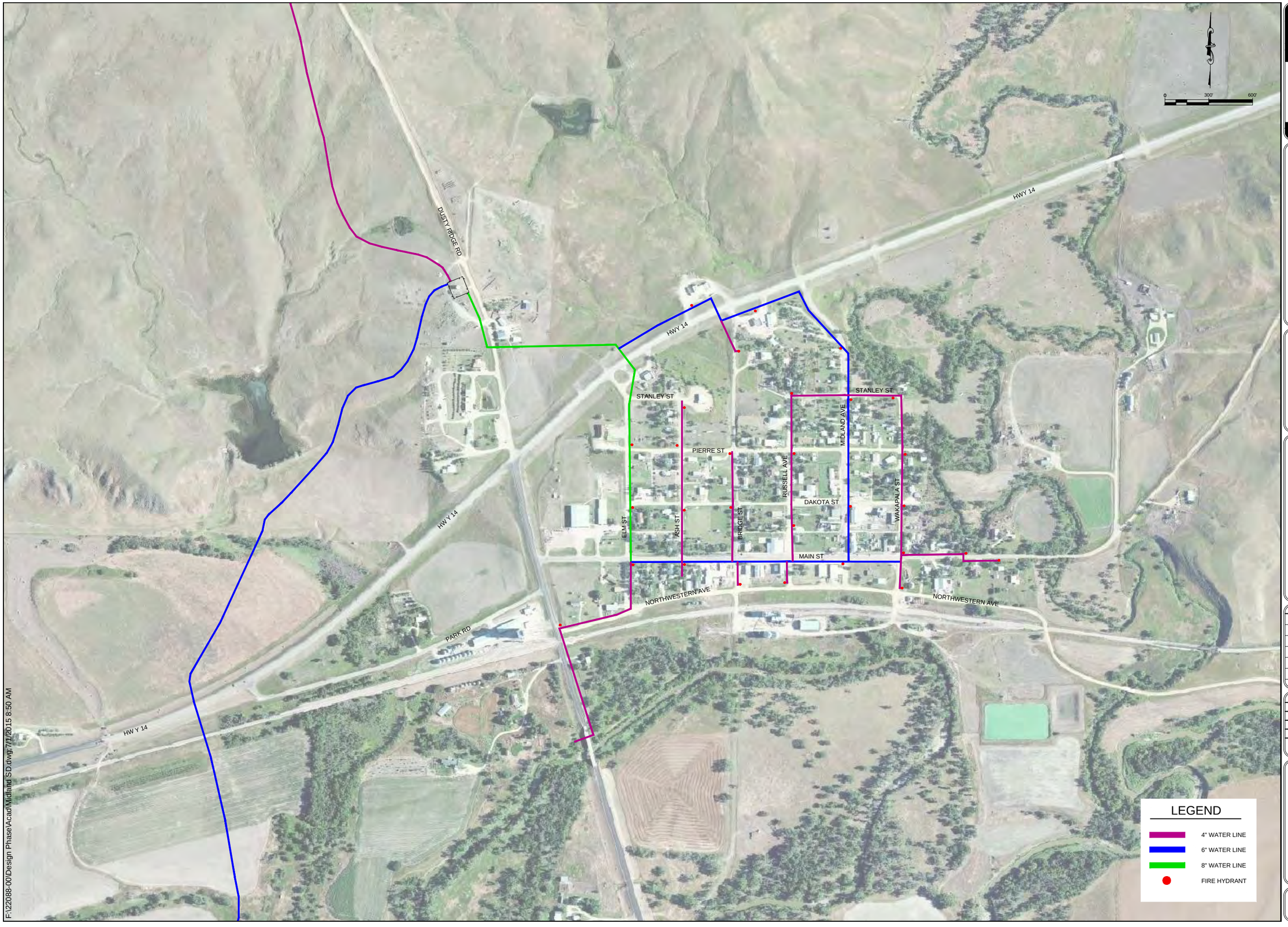
A public hearing will be scheduled in the near future the minutes and roster from that meeting will be added to this report after the public meeting takes place.

END OF SECTION

Appendix

A

Maps



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409 22nd Ave. S. P.O. Box 298
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Tel: 605-692-6342
Toll Free: 1-855-323-6342
www.bannerassociates.com

CONSULTANTS:

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

PROJECT TITLE :

MIDLAND WATER FACILITY PLAN

PROJECT LOCATION :

MIDLAND, SOUTH DAKOTA

REV.	DATE	DESCRIPTION

DRAWN BY: TCS
DESIGNED BY: J.H.M.
CHECKED BY: J.H.M.
JOB NO : 22088-00
DATE : JULY 2015

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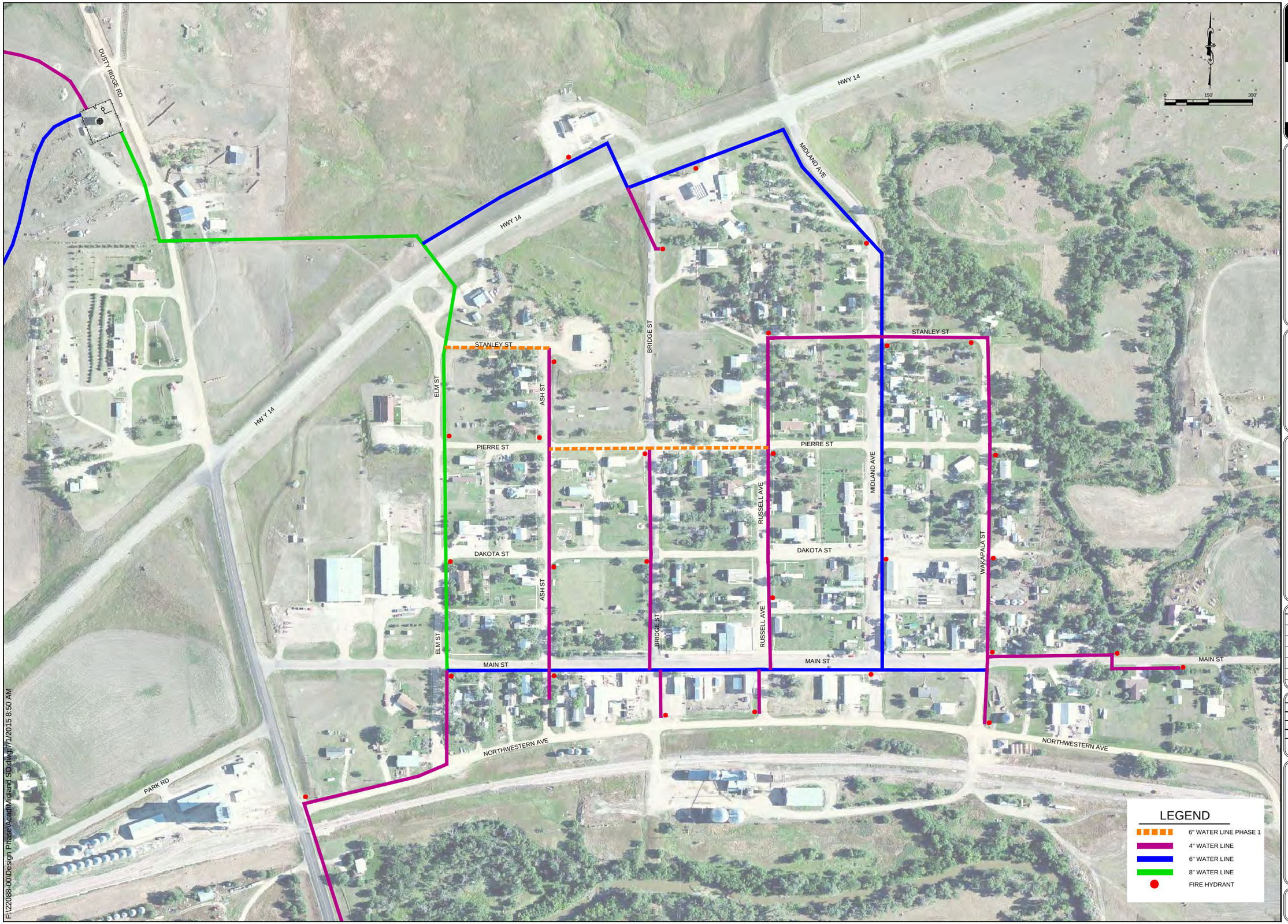
SCALE REDUCTION BAR

SHEET TITLE :

WATER DISTRIBUTION OVERALL

SHEET NO. :

1



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DATE : JULY 2015

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SCALE REDUCTION BAR

SHEET TITLE :

WATER DISTRIBUTION IMPROVEMENTS PHASE 1

SHEET NO. :

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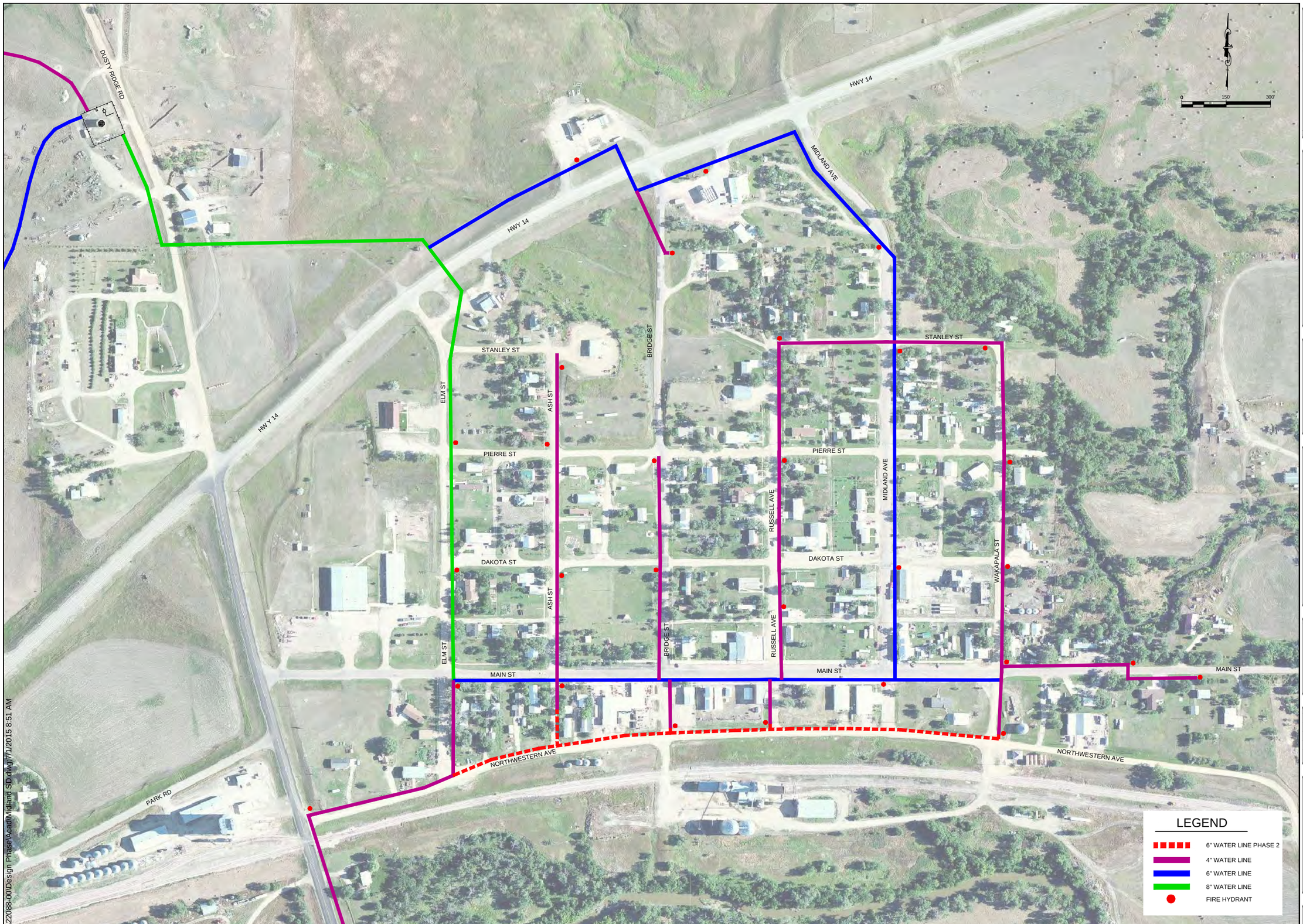

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JOB NO : 22088-00
DATE : JULY 2015

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SCALE REDUCTION BAR

SHEET TITLE :

WATER DISTRIBUTION IMPROVEMENTS PHASE 2

SHEET NO. :

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CHECKED BY: J.H.M.
JOB NO : 22088-00
DATE : JULY 2015

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SCALE REDUCTION BAR

SHEET TITLE :

EXISTING
TANK
SITE

SHEET NO. :

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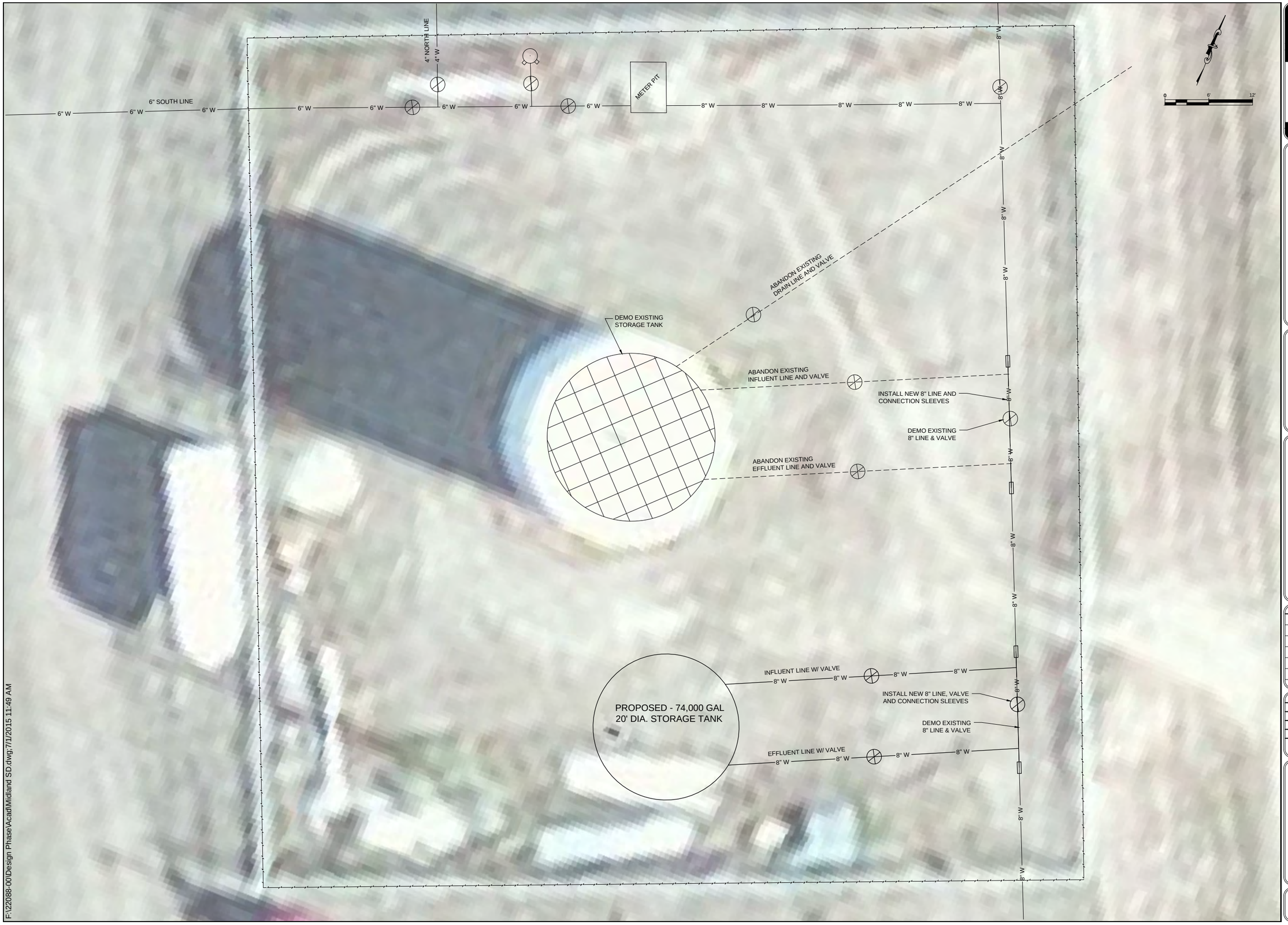

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PLAN

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SOUTH DAKOTA

REV.	DATE	DESCRIPTION

DRAWN BY:	TCS
DESIGNED BY:	J.H.M.
CHECKED BY:	J.H.M.
JOB NO :	22088-00
DATE :	JULY 2015

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SCALE REDUCTION BAR

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ALTERNATE
No. 1

SHEET NO. :

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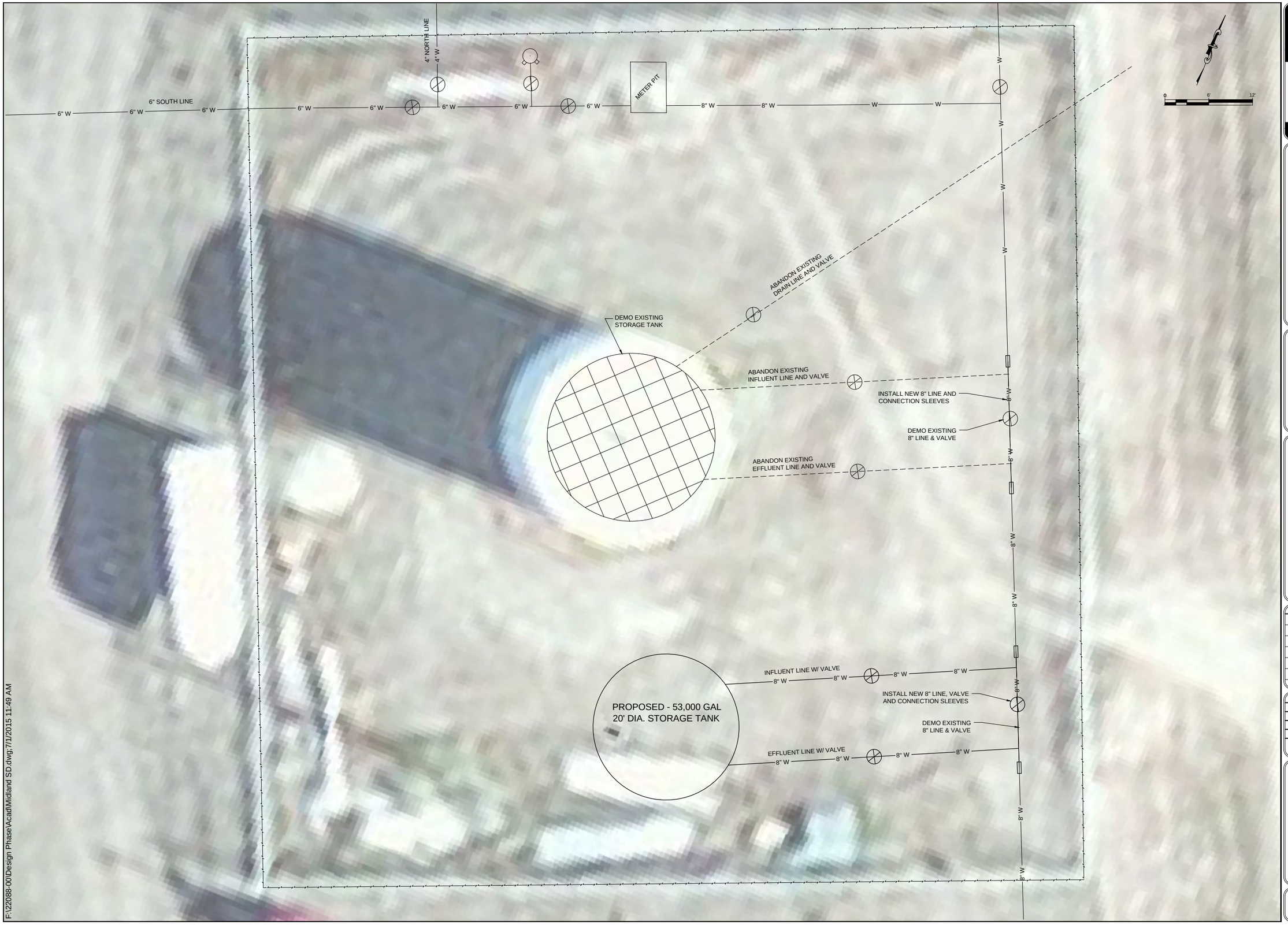

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REV.	DATE	DESCRIPTION

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CHECKED BY: J.H.M.
JOB NO : 22088-00
DATE : JULY 2015

0 1/2" 1"
SCALE REDUCTION BAR

SHEET TITLE :

ALTERNATE No. 2

SHEET NO. :

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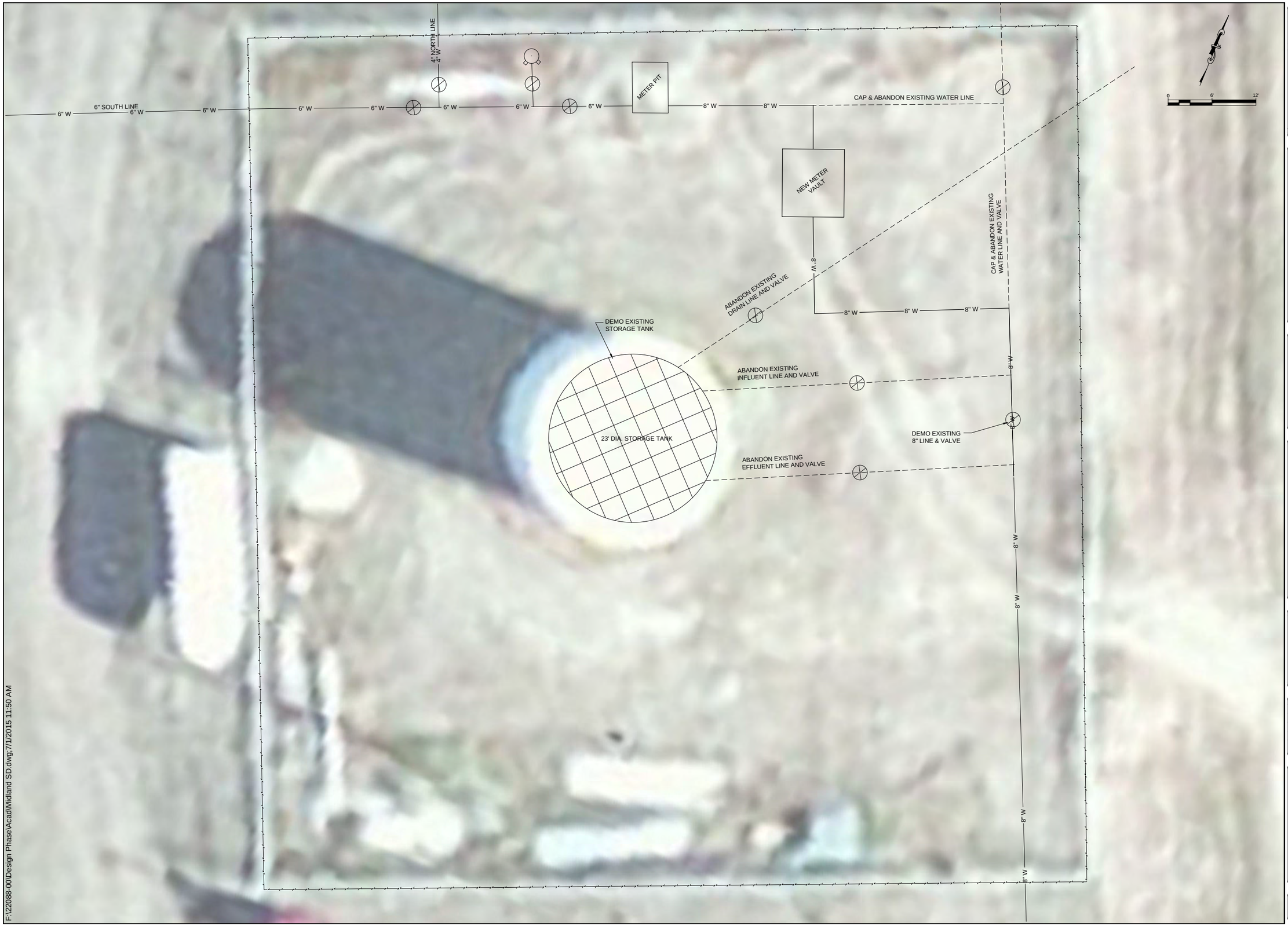

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JOB NO : 22088-00
DATE : JULY 2015

0 1/2" 1"
SCALE REDUCTION BAR

SHEET TITLE :

ALTERNATE No.3

SHEET NO. :

7

U.S. Fish and Wildlife Service

National Wetlands Inventory

MIDLAND, SD

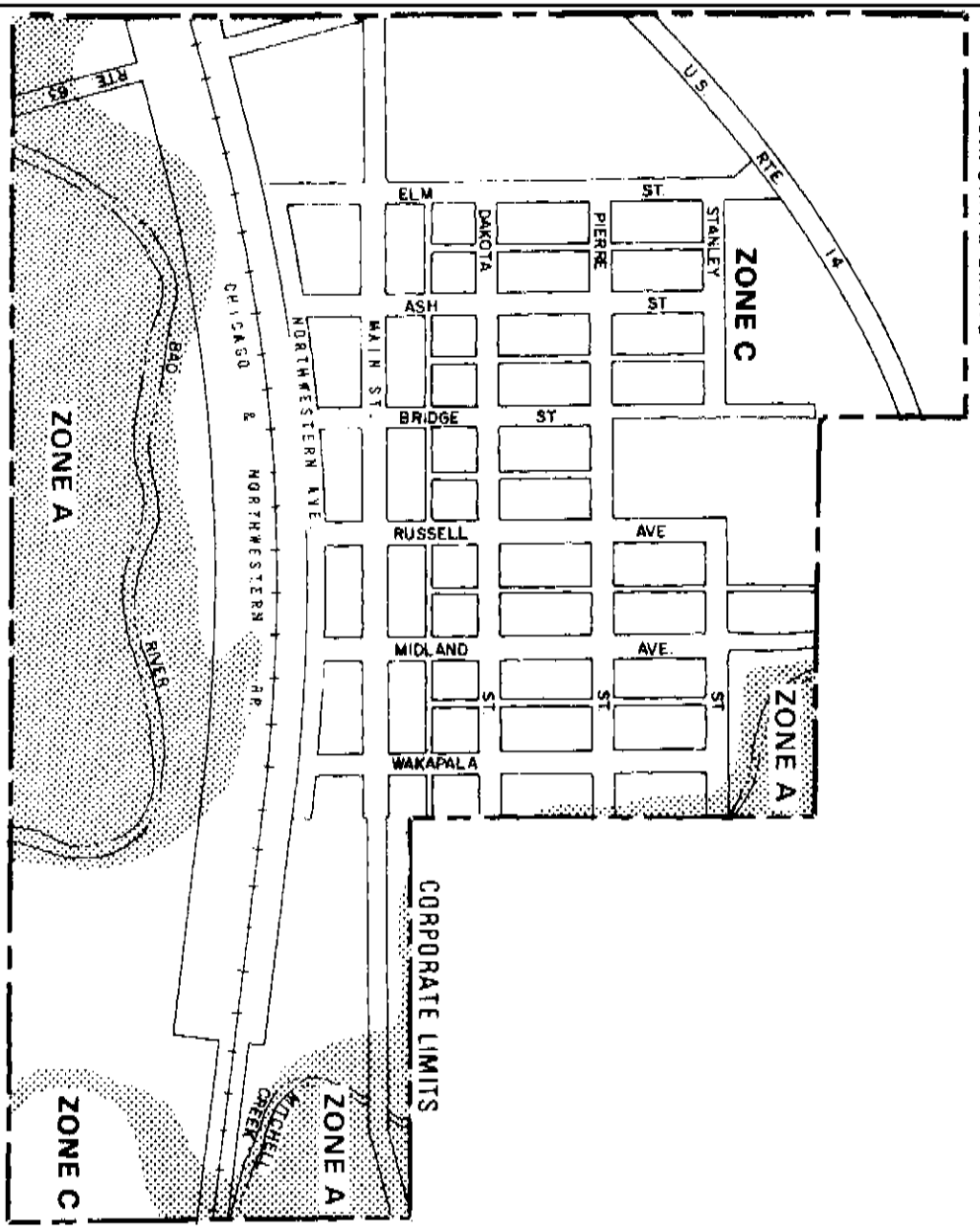
Jul 1, 2015

Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:



APPROXIMATE SCALE

500 0 1000 2000 FEET

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

FEDERAL EMERGENCY MANAGEMENT AGENCY

CITY OF MIDLAND, SD
(HAAKON CO.)

EFFECTIVE DATE:

AUGUST 5, 1986

Appendix

B

Opinion of Probable Costs

Midland Water Facility Plan
Midland, South Dakota
BAI No. 22088.00.00

Alternative 1- 75,000 Steel Bolted Reservoir

SPEC. REF. NO.	DESCRIPTION OF WORK AND MATERIALS	QUAN.	UNIT	UNIT PRICE	TOTAL
Div. 1	GENERAL CONDITIONS	1	LS	$31,000	$31,000
Div. 2	SITE CONSTRUCTION				
	8" C900 DR18 PVC Watermain F&I	120	LF	$35.00	$4,200
	8" D.I. MJ Gate Valves and Box	3	EA	$1,800	$5,400
	8" D.I. MJ Long Body Sleeves	4	EA	$750	$3,000
	Tie-in to Existing Watermain	2	EA	$1,000	$2,000
	74,000 gal Ground Storage Reservoir (20' d. x 33' tall)	1	LS	$160,000	$160,000
	Tank Mixing System	1	LS	$12,500	$12,500
	Tank Foundation and Piping	1	LS	$75,000	$75,000
	Tank Demolition	1	LS	$40,000	$40,000
	PROBABLE CONSTRUCTION COSTS				$333,100
	- Contingencies (15% of Construction Cost)				$49,970
	- Basic Engineering Services - Design, Bidding, and Prelim Report				$30,646
	- Construction Phase Services Admin and final inspection				$7,540
	- Construction Inspection and Staking				$30,646
	Total Engineering and Contingencies				$118,810
	PROBABLE PROJECT COST				**$451,910**

Midland Water Facility Plan
Midland, South Dakota
BAI No. 22088.00.00

Alternative 2- 53,000 Steel Bolted Reservoir

SPEC. REF. NO.	DESCRIPTION OF WORK AND MATERIALS	QUAN.	UNIT	UNIT PRICE	TOTAL
Div. 1	GENERAL CONDITIONS	1	LS	$29,000	$29,000
Div. 2	SITE CONSTRUCTION				
	8" C900 DR18 PVC Watermain F&I	120	LF	$35.00	$4,200
	8" D.I. MJ Gate Valves and Box	3	EA	$1,800	$5,400
	8" D.I. MJ Long Body Sleeves	4	EA	$750	$3,000
	Tie-in to Existing Watermain	2	EA	$1,000	$2,000
	53,000 gal Ground Storage Reservoir (20' d. x 24' tall)	1	LS	$143,000	$143,000
	Tank Mixing System	1	LS	$12,500	$12,500
	Tank Foundation and Piping	1	LS	$70,000	$70,000
	Tank Demolition	1	LS	$40,000	$40,000
	PROBABLE CONSTRUCTION COSTS				$309,100
	- Contingencies (15% of Construction Cost)				$46,370
	- Basic Engineering Services - Design, Bidding, and Prelim Report				$28,438
	- Construction Phase Services - Admin and final inspection				$7,210
	- Construction Inspection and Staking				$28,438
	Total Engineering and Contingencies				$110,460
	PROBABLE PROJECT COST				**$419,560**

Midland Water Facility Plan
Midland, South Dakota
BAI No. 22088.00.00

Alternative 3 - Meter Vault

SPEC. REF. NO.	DESCRIPTION OF WORK AND MATERIALS	QUAN.	UNIT	UNIT PRICE	TOTAL
Div. 1	GENERAL CONDITIONS	1	LS	$65,000	$65,000
Div. 2	SITE CONSTRUCTION				
	8" C900 DR18 PVC Watermain F&I	100	LF	$35.00	$3,500
	8" D.I. MJ Gate Valves and Box	2	EA	$1,800	$3,600
	8" D.I. MJ Long Body Sleeves	1	EA	$750	$750
	8" D.I. MJ 90 degree bend	3	EA	$1,000	$3,000
	Tie-in to Existing Watermain	2	EA	$1,000	$2,000
	Tank Demolition	1	LS	$40,000	$40,000
	Meter Vault & Interior Piping	1	LS	$125,000	$125,000
	Telemetry System	1	LS	$60,000	$60,000
	Electrical	1	LS	$50,000	$50,000
	Rural Water Service Line				
	6" C900 DR18 PVC Watermain F&I	15,840	LF	$20	$316,800
	6" D.I. MJ Gate Valves and Box	6	EA	$1,500	$9,000
	6" x 6" D.I. MJ Tee	2	EA	$750	$1,500
	6" D.I. MJ Long Body Sleeve	1	EA	$600	$600
	Air Releif Assembly	6	EA	$1,000	$6,000
	Tracer Wire	15,840	LF	$0.15	$2,376
	Surface Restoration - Grass Surface	15,840	LF	$1.25	$19,800
	Tie-in to Existing Watermain	2	EA	$3,000	$6,000
	PROBABLE CONSTRUCTION COSTS				$714,930
	- Contingencies (15% of Construction Cost)				$107,240
	- Basic Engineering Services - Design, Bidding, and Prelim Report				$60,018
	- Construction Phase Services - Admin and final inspection				$11,520
	- Construction Inspection and Staking				$52,190
	Total Engineering and Contingencies				$230,970
	PROBABLE PROJECT COST				**$945,900**

Midland Water Facility Plan
Midland, South Dakota
BAI No. 22088.00.00

Phase 1 - Distribution Improvements

SPEC. REF. NO.	DESCRIPTION OF WORK AND MATERIALS	QUAN.	UNIT	UNIT PRICE	TOTAL
Div. 1	GENERAL CONDITIONS	1	LS	$7,000	$7,000
	Traffic Control	1	LS	$5,000	$5,000
Div. 2	SITE CONSTRUCTION				
	6" C900 DR18 PVC Watermain F&I	1,100	LF	$28.00	$30,800
	6" D.I. MJ Gate Valves and Box	5	EA	$1,500	$7,500
	6" D.I. MJ 90 degree bend	1	EA	$500	$500
	6" x 6" D.I. MJ Tee	1	EA	$500	$500
	6" x 4" D.I. MJ Tee	3	EA	$450	$1,350
	4" D.I. MJ Long Body Sleeve	3	EA	$500	$1,500
	Tie-in to Existing Watermain	5	EA	$1,000	$5,000
	Ganular Embedment	350	Ton	$18	$6,300
	Pipe Foundation Material	30	Ton	$20	$600
	Exploratory Excavation	1	LS	$1,000	$1,000
	Base Course and Gravel Surfacing	440	Ton	$14	$6,160
	PROBABLE CONSTRUCTION COSTS				$73,210
	- Contingencies (20% of Construction Cost)				$14,650
	- Basic Engineering Services - Design, Bidding, and Prelim Report				$8,786
	- Construction Phase Services - Admin and final inspection				$3,990
	- Construction Inspection and Staking				$8,786
	Total Engineering and Contingencies				$36,220
	PROBABLE PROJECT COST				**$109,430**

Midland Water Facility Plan
Midland, South Dakota
BAI No. 22088.00.00

Phase 2 - Distribution Improvements

SPEC. REF. NO.	DESCRIPTION OF WORK AND MATERIALS	QUAN.	UNIT	UNIT PRICE	TOTAL
Div. 1	GENERAL CONDITIONS	1	LS	$11,000	$11,000
	Traffic Control	1	LS	$5,000	$5,000
Div. 2	SITE CONSTRUCTION				
	6" C900 DR18 PVC Watermain F&I	2,120	LF	$28.00	$59,360
	6" D.I. MJ Gate Valves and Box	7	EA	$1,500	$10,500
	6" D.I. MJ 90 degree bend	1	EA	$500	$500
	6" x 6" D.I. MJ Tee	4	EA	$500	$2,000
	6" x 4" D.I. MJ Tee	1	EA	$450	$450
	6" x 4" D.I. MJ Reducer	4	EA	$500	$2,000
	4" D.I. MJ Long Body Sleeve	2	EA	$500	$1,000
	Tie-in to Existing Watermain	6	EA	$1,000	$6,000
	Ganular Embedment	700	Ton	$18	$12,600
	Pipe Foundation Material	60	Ton	$20	$1,200
	Exploratory Excavation	1	LS	$1,000	$1,000
	Base Course and Gravel Surfacing	850	Ton	$14	$11,900
	PROBABLE CONSTRUCTION COSTS				$124,510
	- Contingencies (20% of Construction Cost)				$24,910
	- Basic Engineering Services - Design, Bidding, and Prelim Report				$14,195
	- Construction Phase Services - Admin and final inspection				$4,730
	- Construction Inspection and Staking				$14,195
	Total Engineering and Contingencies				$58,030
	PROBABLE PROJECT COST				**$182,540**

Appendix

C

Agency Review Letters

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

U.S. Army Corps of Engineers, Omaha District
Planning Division
Attention: CENWO-PM-AE
1616 Capitol Avenue
Omaha, NE 68102-1618

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Planning Division:

The Town of Midland located in Haakon County, SD has authorized a study that compares alternatives to replace their aging water storage reservoir and evaluate their distribution system. The existing water reservoir was installed in the 1960's. Currently the Town of Midland is served through a bulk meter and service line from West River/Lyman-Jones Rural Water System. The Town of Midland would be responsible for replacing the existing storage tank and any distribution improvements.

Banner Associates Inc, has recommended Alternate 2 and some distribution improvments which includes construction of a new 53,000 gallon ground storage reservoir and installation of approximately 3300 linear feet of water main throughout the Town of Midland. The second attachment shows the known wetlands in the vicinity of the project. The third attachment shows the flood plains located outside of the proposed area of construction.

At this time, alternative 2 and the distribution improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative 2, Distribution System Improvements, Wetlands Map, and FIRM

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

South Dakota Department of Environment and Natural Resources
Water Resources Assistance Program
Attention: Mike Perkovich, Natural Resources Engineering Director
Joe Foss Building
523 East Capitol Avenue
Pierre, SD 57501-3182

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Mr. Perkovich:

Please find enclosed, the Cultural Resources Effects Assessment Summary per the State Revolving Fund requirements. This summary sheet is being submitted to determine the effect the project may have on the cultural resources in the project area. A copy of the historic properties found in Haakon, South Dakota and maps of the project area are also included.

This is submitted for your review and approval as part of requirements for the State Revolving Fund Loan Application. Please let me know if there is any additional information that you may need to expedite your review of this document.

Once review comments are received from the SD Game, Fish and Parks and Wildlife Services, NRCS, and the US Army Corps, the facility plan will be completed and sent to you for final approval from DENR and SHPO. If you have any questions, please don't hesitate to call me at 605.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: 2 copies – Cultural Resources Effects Assessment Summary
2 copies – National Register of Historic Places for Haakon County, SD
2 copies – Alternative 2 – Map
2 copies – Distribution Improvements – Phase 1 & 2

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

United States Department of Interior
Fish and Wildlife Service
Attention: Mr. Donald Gober, Field Supervisor
420 S. Garfield Avenue
Pierre, SD 57501-5408

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Mr. Gober:

The Town of Midland located in Haakon County, SD has authorized a study that compares alternatives to replace their aging water storage reservoir and evaluate their distribution system. The existing water reservoir was installed in the 1960's. Currently the Town of Midland is served through a bulk meter and service line from West River/Lyman-Jones Rural Water System. The Town of Midland would be responsible for replacing the existing storage tank and any distribution improvements.

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Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative 2, Distribution System Improvements, Wetlands Map, and FIRM

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

South Dakota Department of Game, Fish and Parks
Division of Wildlife, Foss Building
Attention: Mr. John Kirk, Interagency Coordinator
523 East Capitol Avenue
Pierre, SD 57501-3181

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Mr. Kirk:

The Town of Midland located in Haakon County, SD has authorized a study that compares alternatives to replace their aging water storage reservoir and evaluate their distribution system. The existing water reservoir was installed in the 1960's. Currently the Town of Midland is served through a bulk meter and service line from West River/Lyman-Jones Rural Water System. The Town of Midland would be responsible for replacing the existing storage tank and any distribution improvements.

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At this time, alternative 2 and the distribution improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative 2, Distribution System Improvements, Wetlands Map, and FIRM

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

United States Department of Agriculture
Natural Resources Conservation Service
Attention: Ms. Deanna Peterson
200 Fourth Street SW
Huron, SD 57350-2475

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Ms. Peterson:

The Town of Midland located in Haakon County, SD has authorized a study that compares alternatives to replace their aging water storage reservoir and evaluate their distribution system. The existing water reservoir was installed in the 1960's. Currently the Town of Midland is served through a bulk meter and service line from West River/Lyman-Jones Rural Water System. The Town of Midland would be responsible for replacing the existing storage tank and any distribution improvements.

Banner Associates Inc, has recommended Alternate 2 and some distribution improvments which includes construction of a new 53,000 gallon ground storage reservoir and installation of approximately 3300 linear feet of water main throughout the Town of Midland. The second attachment shows the known wetlands in the vicinity of the project. The third attachment shows the flood plains located outside of the proposed area of construction.

At this time, alternative 2 and the distribution improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative 2, Distribution System Improvements, Wetlands Map, and FIRM

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

South Dakota, Division of Emergency Management
Attention: Nicole Prince, NFIP Coordinator
118 West Capitol Avenue
Pierre, SD 57501-5070

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Ms. Prince:

The Town of Midland located in Haakon County, SD has authorized a study that compares alternatives to replace their aging water storage reservoir and evaluate their distribution system. The existing water reservoir was installed in the 1960's. Currently the Town of Midland is served through a bulk meter and service line from West River/Lyman-Jones Rural Water System. The Town of Midland would be responsible for replacing the existing storage tank and any distribution improvements.

Banner Associates Inc, has recommended Alternate 2 and some distribution improvments which includes construction of a new 53,000 gallon ground storage reservoir and installation of approximately 3300 linear feet of water main throughout the Town of Midland. The second attachment shows the known wetlands in the vicinity of the project. The third attachment shows the flood plains located outside of the proposed area of construction.

At this time, alternative 2 and the distribution improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative 2, Distribution System Improvements, Wetlands Map, and FIRM

Appendix

D

Agency Response Letters

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA NE 68102-4901

REPLY TO
ATTENTION OF

July 22, 2015

Planning, Programs, and Project Management Division

Mr. Joe Munson
Banner Associates, Inc.
2307 West 57th Street, Ste 102
Sioux Falls, South Dakota 57108

Dear Mr. Munson:

The U.S. Army Corps of Engineers, Omaha District (Corps) has reviewed your letter dated June 29, 2015 (received July 14, 2015) regarding the environmental review of the proposed improvements to the aging water storage reservoir system and evaluation of the corresponding distribution system of the Town of Midland in Haakon County, South Dakota (Project No. 22088.00.00). We offer the following comments for your consideration:

Your plans should be coordinated with the state water quality office that has jurisdiction within the area where the project is located to ensure compliance with federal and state water quality standards and regulations mandated by the Clean Water Act and administered by the U.S. Environmental Protection Agency. Please coordinate with the South Dakota Department of Environment & Natural Resources concerning state water quality programs.

If you have not already done so, it is recommended you consult with the U.S. Fish and Wildlife Service and the South Dakota Department of Game, Fish and Parks. In addition, the South Dakota State Historic Preservation Office should be contacted for information and recommendations on potential cultural resources in the project area.

Since the proposed project does not appear to be located within Corps owned or operated lands, your plans should be submitted to the local floodplain administrator for review and approval prior to construction. It should be ensured that the proposed project is in compliance with the floodplain management criteria of Haakon County and the State of South Dakota. In addition, please coordinate with the following floodplain management office:

South Dakota Division of Emergency Management
Attention: Mr. Marc Macy
118 W. Capitol Avenue
Pierre, South Dakota 57501
Telephone: 605-773-3231
Fax: 605-773-3580
Email: marc.macy@state.sd.us

Any proposed placement of dredged or fill material into waters of the United States (including jurisdictional wetlands) requires Department of the Army authorization under Section 404 of the Clean Water Act. You can visit the Omaha District's Regulatory website for permit applications and related information. Please review the information on the provided website (http://www.nwo.usace.army.mil/Missions/RegulatoryProgram.aspx) to determine if this project requires a 404 permit. For a detailed review of the permit requirements, preliminary and final project plans should be sent to:

South Dakota
U.S. Army Corps of Engineers
Pierre Regulatory Office
Attention: Mr. Steve Naylor, CENWO-OD-R-SD
28563 Powerhouse Road, Room 120
Pierre, South Dakota 57501

If you have any questions, please contact Ms. Amanda Ciurej of my staff at (402) 995-2897 or amanda.k.ciurej@usace.army.mil and reference PD# 6696 in the subject line.

Sincerely,

Randal P. Sellers

for Eric A. Laux
Chief, Environmental Resources and Missouri River
Recovery Program Plan Formulation Section

DEPARTMENT OF GAME, FISH, AND PARKS
Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

RECEIVED
JUL 15 2015
BY:

July 13, 2015

Joe Munson, PE
Banner Associates, Inc.
409 22nd Ave S.
PO Box 298
Brookings, SD 57006

RE: Midland Water Facility Plan
BAI No. 22088.00.00

Dear Mr. Munson:

The South Dakota Department of Game, Fish and Parks, Wildlife Division, has reviewed the proposed project involving the construction of a new storage reservoir and installation of water main throughout the town of Midland, South Dakota.

The project as described will have no impacts on fish and wildlife resources. If you have any questions, or if the project design changes, please contact me at 605.773.6208.

Sincerely,

Leslie Murphy
Senior Biologist

RECEIVED
JUL 13 2015
U.S. FISH & WILDLIFE SERVICE

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

June 29, 2015

This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

8/3/15 Scott Larson
Date Field Supervisor

United States Department of Interior
Fish and Wildlife Service
Attention: Mr. Donald Gober, Field Supervisor
420 S. Garfield Avenue
Pierre, SD 57501-5408

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

RECEIVED
AUG 06 2015

Dear Mr. Gober:

The Town of Midland located in Haakon County, SD has authorized a study that compares alternatives to replace their aging water storage reservoir and evaluate their distribution system. The existing water reservoir was installed in the 1960's. Currently the Town of Midland is served through a bulk meter and service line from West River/Lyman-Jones Rural Water System. The Town of Midland would be responsible for replacing the existing storage tank and any distribution improvements.

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At this time, alternative 2 and the distribution improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative 2, Distribution System Improvements, Wetlands Map, and FIRM

USDA

United States Department of Agriculture

August 18, 2015

Joe Munson, PE
Banner Associates Inc.
409 22nd Ave So
PO Box 298
Brookings, SD 57006

AUG 21 2015
BY:

RE: Environmental Review for
Midlland Water Facility Plan
BAI. No. 22088.00.00

Dear Mr. Munson:

Thank you for the opportunity to provide Farmland Protection Policy Act (FPPA) review of this project. The project as outlined will have **no effect** on prime or important farmland.

If you have any questions, please contact me at (605) 348-2889 ext. 104.

Sincerely,

TIMOTHY NORDQUIST
NRCS Conservation Agronomist

Natural Resources Conservation Service
414 E Stumer Road, Suite 700
Voice: 605.348.2889 ext 104 Fax: 855.256.2553
An Equal Opportunity Provider and Employer

Appendix

E

Public Hearing Affidavit and Minutes

Appendix

F

Billing Records

MIDLAND

Charge Summary Report

From 1/1/2012 to 12/31/2012

EOY Charges

SERV	SERVICE NAME	USAGE	AMOUNT	CURRENT COUNT	TOTAL TIMES BILLED
1	WATER	4829000	$18,994.09	105	1177
2	WATER	1363000	$4,462.50	10	123
3	SEWER		$7,487.68	99	1070
4	REFUSE		$13,644.44	89	943
1	TAX		$817.69	90	947
		6192000	$45,406.40		4260

MIDLAND

Charge Summary Report

From 1/1/2013 to 12/31/2013

EOY Charges

SERV	SERVICE NAME	USAGE	AMOUNT	CURRENT COUNT	TOTAL TIMES BILLED
1	WATER	3828100	$19,082.00	105	1095
2	WATER	903000	$3,639.50	10	120
3	SEWER		$9,920.00	99	1023
4	REFUSE		$19,162.00	89	891
1	TAX		$1,149.72	90	903
		4731100	$52,953.22		4032

Charge Summary Report

From 1/1/2014 to 12/31/2014

EOY Charges

SERV	SERVICE NAME	USAGE	AMOUNT	CURRENT COUNT	TOTAL TIMES BILLED
1	WATER	4240000	$20,477.50	105	1089
2	WATER	1140000	$4,207.00	10	120
3	SEWER		$9,710.00	99	1017
4	REFUSE		$18,656.00	89	892
1	TAX		$1,119.36	90	904
		5380000	$54,169.86		4022

Charge Summary Report

From 1/1/2015 to 12/31/2015

EOY Charges

SERV	SERVICE NAME	USAGE	AMOUNT	CURRENT COUNT	TOTAL TIMES BILLED
1	WATER	2966000	$14,485.57	105	738
2	WATER	916000	$3,205.50	10	80
3	SEWER		$6,717.16	99	689
4	REFUSE		$12,843.95	89	609
1	TAX		$772.20	90	615
		3882000	$38,024.38		2731

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: City of Viborg

Project Title:	Water Distribution Replacement Project
Funding Requested:	$606,000
Other Proposed Funding:	$441,000 - Community Development Block Grant
Total Project Cost:	$1,047,000
Project Description:	Viborg is proposing to replace a portion of its water distribution system that has exceeded its useful life as well as replace fire hydrants that no longer function. The project will consist of the replacement of 2,880 feet of watermain with PVC watermain, the replacement of five fire hydrants, and other appurtenances required to complete this project.
Alternatives Evaluated:	The "Do Nothing" alternative was considered but not selected as it would not address the continual aging of the pipe that has already reached its useful life. Alternative 1: Replaces the portions of the water distribution system with cast in place pipe. This alternative was considered but not selected as it was not the most cost effective alternative. Alternative 2: Replaces the portions of the water distribution system with PVC pipe using the conventional, open trench, method. This alternative was considered and selected as it was the most cost effective alternative.
Implementation Schedule:	The city anticipates bidding the project in August 2016 with a project completion date of August 2017
Service Population:	862
Current Domestic Rate:	$40.24 per 5,000 gallons usage

Interest Rate: 0 % Term: 30 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If funding is provided as all loan, Viborg would have 117% coverage based on the current rate of $40.24/5,000 gallons.

10% Funding Subsidy:	$60,600 subsidy with a loan of $545,400
Coverage at 10% Subsidy:	Based on 10% subsidy and a loan of $545,400, Viborg would have 130% coverage based on the rate of $40.24/5,000 gallons.

25% Funding Subsidy:	$151,500 subsidy with a loan of $454,500
Coverage at 25% Subsidy:	Based on 25% subsidy and a loan of $454,500, Viborg would have 157% coverage based on the rate of $40.24/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: NICK NELSON

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

SECOG
SOUTH EASTERN COUNCIL OF GOVERNMENTS
SOUTH DAKOTA

RECEIVED
MAR 30 2016
Division of Financial
& Technical Assistance

March 28, 2016

Mike Perkovich
SD-DENR
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Dear Mr. Perkovich:

Enclosed, please find the Drinking Water State Revolving Loan Funding Application for the City of Viborg's Water Distribution and Sanitary Sewer Project. Included with the general application are the following appendices:

Appendix A – Supplemental Signed Application Forms including the Certification of Drinking Water Needs Categories, Certification Regarding Debarment, Suspension, and Other Responsibility Matters.
Appendix B – Signed Application Resolution
Appendix C – Capacity Assessment Worksheets
Appendix D – Capacity Assessment Financial Spreadsheet
Appendix E – User Rate Ordinance
Appendix F – Amortization of Existing Drinking Water Debt
Appendix G – 2014 Audited Financial Statements
Appendix H – 2015 Unaudited Financial Statements
Appendix I – 2016 Budget
Appendix J – Documentation of an Active Registration in the SAM Database
Appendix K – Public Hearing Notice, Sign-in Sheet, & Official Minutes

The Facility Plan will be sent directly to DENR by Banner Associates, Inc. Should you have any questions or comments pertaining to this application, please contact me or the consultant listed in the application. Thank you for your consideration of this application.

Sincerely,

Melissa Gibson

Melissa Gibson
Planner

Enclosures

Cc: City of Viborg
Rich Uckert, Banner Associates, Inc.

500 N. Western Ave. • Suite 100 • Sioux Falls, SD 57104
Phone: 605.367.5390 • Fax: 605.367.5394
Website: www.secog.org • E-mail: lynne@secog.org
Lynne Keller Forbes, Executive Director

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Viborg	Proposed Funding Package
Address: 110 N. Main Street Viborg, SD 57070	Requested Funding $606,000 Local Cash Other: CDBG $441,000
Subapplicant:	Other:
DUNS Number: 179259197	Other: TOTAL $1,047,000

Project Title: City of Viborg Water Distribution Replacement Project

Description:

The City of Viborg is proposing to construct improvements to its water distribution system because the existing distribution system has exceeded its useful life. The City is proposing to replace water mains (various sizes of cast iron, ductile iron, PVC and/or asbestos cement pipe materials), replace fire hydrants that no longer function, and replace the service connections to the curb stops. The project limits for Agnes Street include improvements from Park Avenue to Blaine Avenue and the project limits for Maple Street include improvements from ½ block south of Blaine Avenue to 700' north of Lincoln Avenue. Upgrades are needed to ensure the residents of Viborg do not experience utility services interruptions and distribution system failures.

The City of Viborg has a reserve fund established for its utility. Its current water rate is $40.24 per month for 5,000 gallons.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Steve Bendt, Mayor, City of Viborg — Steven A Bendt — 03/25/2016

Name & Title of Authorized Signatory (Typed) — Signature — Date

Professional Consultants

Application Prepared By: South Eastern Council of Governments

Contact Person: Melissa Gibson

Mailing Address: 500 N. Western Avenue, Suite 100

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: (605) 367-5390 Fax: (605) 367-5394

Email address: melissa@secog.org

Consulting Engineering Firm: Banner Associates, Inc.

Contact Person: Rich Uckert

Mailing Address: 2307 W. 57th Street, Suite 102

City, State, and Zip: Sioux Falls, SD 57108

Telephone Number: (855) 323-6342 Fax: (605) 692-5714

Email address: richu@bannerassociates.com

Legal Counsel's Firm: Ward Law Office

Contact Person: Gary Ward

Mailing Address: 109 N. Main Street

City, State, and Zip: Viborg, SD 57070

Telephone Number: (605) 326-5282 Fax: (605) 326-5283

Email address: wardg@iw.net

Bond Counsel's Firm: Meierhenry Sargent LLP

Contact Person: Todd Meierhenry

Mailing Address: 315 S. Phillips Avenue

City, State, and Zip: Sioux Falls, SD 27104

Telephone Number: (605) 336-3075 Fax: (605) 336-2593

Email address: todd@meierhenrylaw.com

Budget Sheet

Cost Classification	A DWSRF/ CWFCP	B CDBG	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services		$12,831				$12,831
B. Travel						
C. Legal & Bond Counsel	$10,204					$10,204
D. Other SECOGAdm	$3,500					$3,500
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	$72,707					$72,707
B. Project Inspection Fees	$78,695					$78,695
C. Other						
4. Construction & Improvements	$327,917	$427,691				$755,608
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	$493,023	$440,522				$933,545
10. Contingencies	$112,977	$478				$113,455
11. Total (Lines 9 and 10)	$606,000	$441,000				$1,047,000
12. Total %	57.88%	42.12%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) DENR DWSRF		$606,000	June 30, 2016
Other (Explain) CDBG		$441,000	June 30, 2016
Other (Explain)			
Total		$1,047,000	$1,047,000

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1

Population Served Current: 862 2010 782 2000 832

Top three employers within 30 miles	Number of Employees	Type of Business
Pioneer Memorial Hospital	184	Hospital, Clinic, Nursing Home
Viborg-Hurley School District	58	School
Lockwood Holdings	18	Gas & Convenience Store

Repayment Information

Interest rate you are applying for: 0% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation Bond (Requires Bond Election)
- ☒ 2. Revenue Bond
- ☐ 3. Project Surcharge Revenue Bond
- ☐ 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the drinking water fund.
2. Current year's budget for the drinking water fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Drinking Water Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.

   (https://www.sam.gov)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary for SRF Projects.
6. Capacity Assessment Worksheets.

Items 7-9 apply to Non-profit Entities only

7. By-laws.
8. Articles of Incorporation.
9. Certificate of Good Standing from Secretary of State.

Drinking Water Fund Debt Information

Year	1980	2009	2012			
Purpose	Water Treatment Plant	Water Improvement Loan	Water Improvement Loan			
Security Pledged	Water Treatment Plant	Water Revenue Bond	Water Revenue Bond			
Amount	$390,000	$104,491	$117,000			
Maturity Date (mmm/yyyy)	07/2019	07/2029	10/2042			
Debt Holder	USDA	SD Conservancy District	SD Conservancy District			
Debt Coverage Requirement	110%	110%	110%			
Avg. Annual Required Payment	$22,920	$7,126	$5,928			
Outstanding Balance	$81,077	$77,618	$108,776			

Comments:

The TM Rural Water Loan was taken out by TM Rural Water, but the City of Viborg makes payments to them, for their part of this loan, using the City of Viborg's Water Revenue.

Drinking Water Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2014	2015	2016	2017	2018	2019
Operating Revenue						
Base Fees	$141,055	$142,185	$165,650	$187,850	$187,850	$187,850
Surcharge Fees	$2,050	$2,050	$2,050	$2,050	$2,050	$2,050
Other (Explain)	$22,819	$23,002	$25,000	$25,000	$25,000	$25,000
Operating Expenses						
Personal Services	($37,720)	($40,773)	($40,310)	($40,700)	($41,100)	$41,500
Chemical, Material & Supplies	($64,169)	($6,121)	($5,213)	($5,300)	($5,300)	($5,300)
Electric & Other Utilities	($17,309)	($4,869)	($4,200)	($4,300)	($4,400)	($4,500)
Other (Explain)		($67,971)	($77,000)	($77,000)	($77,000)	($77,000)
Operating Net Cash	$46,726	$47,503	$65,977	$87,600	$87,100	$169,600
Nonoperating Cash Flow						
Interest Revenue	$432					
Transfers In (Explain)						
Fixed Asset Purchases	($34,571)	($8,101)	($17,100)	($17,100)	($17,100)	($17,100)
Transfers Out (Explain)						
Principal Debt Payments	($18,975)	($19,269)	($19,495)	($39,695)	($39,695)	($28,235)
Interest Debt Payments		($6,688)	($6,462)	($6,462)	($6,462)	($6,462)
Other (Explain)						
Nonoperating Net Cash	($53,114)	($34,058)	($43,057)	($63,257)	($63,257)	($51,797)
Increase (Decrease) Cash	($6,388)	$13,446	$22,920	$24,343	$23,843	$117,803
Beginning Cash Balance	$171,529	$165,141	$178,587	$201,507	$225,850	$249,693
Ending Cash Balance	$165,141	$178,587	$201,507	$225,850	$249,693	$367,496
Restricted Balance						
Unrestricted Balance	$165,141	$178,587	$201,507	$225,850	$249,693	$367,496

Explanations

Other Operating Revenue 2014 is Misc., 2015 through 2019 is Misc. plus Water Improve.

Other Operating Expenses 2015 is Dues, Refunds, Misc. and TM WATER PAY, 2016 through 2019 is Travel, Dues, Refunds, Surveys, Misc. and TM WATER PAY.

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber

Drinking Water Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: ☒ Incorporated Municipality or Sanitary District

or

☐ Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	$40.24	$44.76	344	3,448 gallons
Business	$40.24	$44.76	66	7,273 gallons
Other:				
Other:				

Are fees based on usage or flat rate? usage

When is proposed fee scheduled to take effect? January 1, 2017

When did the current fee take effect? April 3, 2014

What was the fee prior to the current rate? $38.75

Four Largest Customers	Type of Business	% of System Revenue
Pioneer Memorial Hospital	Hospital, Clinic, Nursing Hom	25%
Skogen Apartments	Landlord	11%
Evergreen Assisted Living	Assisted Living Facility	8%
Main Street Car Wash	Car Wash	5%

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Drinking Water Facilities Plan document can be found at http://denr.sd.gov/dfta/wwf/dwsrf/dwfunding.aspx

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- Submission of a Facilities Plan to the department that addresses those items found in the Water Facilities Plan document. [x]
- A public hearing held discussing the project and the use of an SRF loan to finance the project. [x]
- Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan. [x]
- The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan. [x]
- The four review agencies contacted and responses received for inclusion into the final Facilities Plan. [x]
- The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. [x]

Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$606,000
Treatment	$0
Storage	$0
Source	$0
System Purchase	$0
Restructuring	$0
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
Total	$606,000

Steve Bendt, Mayor, City of Viborg

Name & Title of Authorized Representative

Steven G Bendt

Signature of Authorized Representative

03/25/2016

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Steve Bendt, Mayor, City of Viborg

Name & Title of Authorized Representative

Steven G Bendt

Signature of Authorized Representative

03/25/2016

Date

☐ I am unable to certify to the above statements. Attached is my explanation

CITY OF VIBORG

RESOLUTION # 2016-04

DW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Viborg has determined the need for the Water Distribution Improvements Project; and

WHEREAS, loan assistance is necessary to enable the City of Viborg to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City Council is desirous of applying for up to a $606,000 30 year loan, to be repaid with water revenues, at 0.0% from the Drinking Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

1. The City of Viborg hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund its water distribution project.

2. Be it further resolved that the City of Viborg hereby authorizes its Mayor to act as Project Certifying Officer in connection with the applications, grand and/or loan agreements, and other required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 7th day of March, 2016.

BY:

Steven a Bendt

Steve Bendt, Mayor

ATTEST:

Lori L. Jorgensen

Lori Jorgensen, Finance Officer

Capacity Assessment Worksheets for Public Water Systems

Department of Environment and Natural Resources

Revised January 2015

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: City of Viborg

Prepared by: Rich Uckert, Lori Jorgensen

Rich Uckert (Technical)

Lori Jorgensen (Management & Financial)

Phone #: 855-323-6342, 605-326-5103

Date: 3/4/2016, 2/18/2016

Glossary of Terms

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water;

Disinfectant: Any oxidant, including chlorine, chlorine dioxide, chloramine, and ozone, that is added to water in any part of the treatment or distribution process and that is intended to kill or inactivate pathogenic microorganisms;

Disinfectant contact time: The time in minutes that it takes for water to move from the point of disinfectant application or the previous point of disinfectant residual measurement to a point before or at the point where residual disinfectant concentration is measured;

Filtration: A process for removing particulate matter from the water by passing the water through porous media;

Ground Water: The supply of fresh water found beneath the surface of the ground, usually in aquifers, which is often used for supplying wells and springs;

Ground Water Under the Direct Influence of Surface Water: Any water beneath the surface of the ground with a significant occurrence of insects, macroorganisms, algae, or large-diameter pathogens such a *Giardia lamblia* ; or any water with significant and relatively rapid shifts in water quality characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions;

Maximum Contaminant Level (MCLs): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards;

mg/L: milligrams per liter - equivalent to parts per million;

µg/L: micrograms per liter - equivalent to parts per billion;

NTU: nephelometric turbidity unit;

psi: pounds per square inch

Surface Water: All water that is open to the atmosphere and subject to surface runoff;

Turbidity: A cloudy condition in water due to suspended silt or organic matter; and

Waiver: A process used by the Department of Environment and Natural Resources that allows a public water system to reduce or eliminate monitoring for a particular chemical.

The Technical Portion of your System

Your Water Supply

Please check the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section or question does not apply to your system, please check NA for not applicable.***

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** 62,800 gallons	☑	☐	☐	☐
Do you know how much water you pump on a peak day? ***Amount:*** 150,000 gallons	☑	☐	☐	☐
Do you know the maximum amount of water you can pump from your source? ***Amount:*** Bulk TM Customer	☐	☐	☐	☑
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:*** Bulk TM Customer	☐	☐	☐	☑
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:*** _____	☐	☐	☐	☑
Have you been able to provide adequate volumes of water during drought cycles?	☑	☐	☐	☐
Have you had to restrict usage at any time for any reason? ***Please specify:*** _____	☐	☑	☐	☐
Does your system have an emergency or supplemental water supply? ***Please specify:*** old wells abandoned	☑	☐	☐	☐
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***	☑	☐	☐	☐
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☐ ***growing,*** ☐ ***declining, or*** ☑ ***stable.***	☑	☐	☐	☐
Does your source have additional water available for appropriation?	☐	☐	☐	☐
Do you have a water right? ***Water right permit number(s):*** old wells abandoned 2041-3	☑	☐	☐	☐
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☐	☐	☐	☑
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☑	☐	☐	☐
Do you have a contract to purchase water? ***If yes, with whom?*** TM Rural Water	☑	☐	☐	☐
Are you currently staying within your contract?	☑	☐	☐	☐
Are you knowledgeable about other demands being placed on the same water source that you are using?	☑	☐	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☑	☐	☐	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☑	☐	☐	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** abandoned 115' - 120'	☑	☐	☐	☐
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** _____	☐	☑	☐	☐
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☑	☐	☐	☐

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☐ **Yes** ☑ **No**

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☐	☐	☐	☑
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☐	☑
Are repair parts available?	☐	☐	☐	☑
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☐	☐	☐	☑
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☐	☐	☐	☑
Do you have on-line continuous turbidimeters on each filter?	☐	☐	☐	☑
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** _____	☐	☐	☐	☑
Do you have the capability to add coagulant before the filter?	☐	☐	☐	☑

Ground Water Systems

Ground Water Under the Influence of Surface Water	Yes	No	Unknown	NA
Is your water free from variations in turbidity and temperature after storm events?	☐	☐	☐	☑
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** _____	☐	☐	☐	☑
Is your well(s) constructed according to current South Dakota regulations?	☐	☐	☐	☑
Do you have a source water protection plan?	☐	☐	☐	☑
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☐	☐	☐	☑

Disinfection

Do you disinfect? ☐ **Yes** ☑ **No** ***(If "No", skip to the Infrastructure - Pumping section)***

Disinfection	**Yes**	**No**	**Unknown**	**NA**
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** _____ ***How often?*** _____ ***Disinfectant used:*** _____	☐	☐	☐	☑
Do you have back-up equipment? ***Type:*** _____	☐	☐	☐	☑
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:*** _____	☐	☐	☐	☑
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** _____ ***Total Chlorine Residual:*** _____ (if using chloramines)	☐	☐	☐	☑

Disinfection By-Products

Treatment for the Control of Disinfection By-Products	**Yes**	**No**	**Unknown**	**NA**
If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?	☐	☐	☐	☑
If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?	☐	☐	☐	☑

Treatment - Security

Treatment Security	**Yes**	**No**	**Unknown**	**NA**
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☐	☐	☐	☑
Are chemicals used for treatment properly stored and secure?	☐	☐	☐	☑
Does the water system track chemical usage? (i.e. a sudden	☐	☐	☐	☑

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping

Condition of Pumping Equipment	**Yes**	**No**	**Unknown**	**NA**
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** _____	☐	☐	☐	☑
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☐	☐	☐	☑
Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	☐	☐	☐	☑
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☐	☐	☐	☑
Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	☐	☐	☐	☑
Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	☐	☐	☐	☑

Infrastructure - Storage

Storage Capacity	**Yes**	**No**	**Unknown**	**NA**
Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:*** _____	☑	☐	☐	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:*** TM cntrl shared tank 300,000 gal.	☑	☐	☐	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☐	☐	☐	☑
Are access hatches locked?	☐	☐	☐	☑
Is the tank and the immediate surrounding area fenced?	☐	☐	☐	☑
Control Systems				
Is there a high and low water level signal system to control the pumps?	☐	☐	☐	☑

Is there a drain valve or hydrant to allow for draining of the tank?	☐	☐	☐	☑
Tank Maintenance	**Yes**	**No**	**Unknown**	**NA**
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☐	☐	☐	☑
Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	☐	☐	☐	☑

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:*** once or twice per year	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☑	☐	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☑	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☑	☐	☐	☐
Are all valves exercised and lubricated periodically?	☑	☐	☐	☐
Is the system free of severe "water hammer" problems?	☑	☐	☐	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☐	☐	☐	☑
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** 13.9 %	☑	☐	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 57 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☐	☑	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☑	☐	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☐	☑	☐	☐

Are any inspections for cross-connections performed?	☐	☑	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☐	☑	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☐	☑	☐	☐
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** 90%	☑	☐	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☑	☐	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☑	☐	☐	☐
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** _____ ***Most common complaint:*** _____	☐	☑	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☑	☐	☐	☐

The Management Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** _____ Class I Wasterwater and Stab. Pond	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance? ***If yes, who*** _____	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☑	☐	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☑	☐	☐	☐
Is someone responsible for scheduling work?	☑	☐	☐	☐
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☑	☐	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☑	☐	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☑	☐	☐	☐
Do you have standard construction specifications to be followed?	☑	☐	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☑	☐	☐	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** Records found back to 1993	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☐	☑	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☑	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☑	☐	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☑	☐	☐
Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	☑	☐	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☑	☐	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** Mayor, FO, Maintenance Supervisor	☑	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☐	☐	☐	☑
Do you have written operating procedures for both routine and emergency system operations?	☐	☑	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☑	☐	☐	☐
Does the system work with customers to promote their awareness of security?	☐	☑	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☑	☐	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☑	☐	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☑	☐	☐	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	☑	☐	☐	☐

The Financial Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**	**NA**
Does your system develop and follow an annual budget that is approved by the governing body?	☑	☐	☐	☐
Does the governing body review a monthly summary of revenues and expenses of the utility system?	☑	☐	☐	☐
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** Capital Replacement	☑	☐	☐	☐
Does the system have reserve funds available in the event of an emergency?	☑	☐	☐	☐
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	☐	☑	☐	☐
Do you have a process for scheduling and committing to capital projects?	☐	☑	☐	☐
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	☐	☐	☐	☑
Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?	☐	☐	☐	☑
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** as lease semi-annually	☑	☐	☐	☐
Do you have a plan in place for periodic increases in rates?	☐	☑	☐	☐
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** $12.50+$4.00/748 gallons over 748 gal. (i.e. $22 minimum plus $2.50/1000 gallons)	☑	☐	☐	☐
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***:	☐	☑	☐	☐
Does the rate structure assure proportionality among users?	☑	☐	☐	☐
Do you have procedures for billing and collection?	☑	☐	☐	☐
Is your billing collection rate greater than 95%?	☑	☐	☐	☐
Do you have collection procedures specifically for delinquent accounts?	☑	☐	☐	☐

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☑	☐	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☑	☐	☐	☐
Does your water utility support other enterprise funds or the general fund?	☐	☑	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☐	☑	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☑	☐	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☑	☐	☐	☐
Are there purchasing procedures?	☑	☐	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☑	☐	☐	☐

Financial Spreadsheet

Applicant: City of Viborg
Completed by: Melissa Gibson
Date: 3/24/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2015	2016	2017	2018	2019
1. Beginning Cash on Hand	$165,141	$156,371	$156,371	$165,431	$170,636
2. Cash Receipts:					
a. Unmetered Water Revenue	$30,562	$29,800	$30,000	$30,000	$30,000
b. Metered Water Revenue	$135,815	$161,000	$183,220	$183,220	$183,220
c. Other Water Revenue	$860	$1,100	$1,100	$1,100	$1,100
d. Total Water Revenues (2a through 2c)	$167,237	$191,900	$214,320	$214,320	$214,320
e. Connection Fees		$300	$300	$300	$300
f. Interest and Dividend Income		$500	$500	$500	$500
g. Other Income					
h. Total Cash Revenues (2d through 2g)	$167,237	$192,700	$215,120	$215,120	$215,120
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash					
Please specify					
3. Total Cash Receipts (2h through 2j)	$167,237	$192,700	$215,120	$215,120	$215,120
4. Total Cash Available (1+3)	$332,378	$349,071	$371,491	$380,551	$385,756
5. Operating Expenses					
a. Salaries and wages	$26,256	$28,000	$28,800	$29,700	$30,600
b. Employee Pensions and Benefits	$10,438	$12,310	$12,700	$13,100	$13,500
c. Purchased Water	$63,861	$72,000	$74,200	$76,400	$78,700
d. Purchased Power	$1,278	$2,000	$2,060	$2,120	$2,180
e. Fuel for Power Production	$2,453	$1,500	$1,550	$1,600	$1,650
f. Chemicals	$1,137	$700	$720	$740	$760
g. Materials and Supplies	$6,122	$5,213	$5,370	$5,530	$5,700
h. Engineering Services	$4,080				
i. Contractual Services – Other					
j. Equip. Rent/Real Property	$2,045	$2,100	$2,160	$2,225	$2,300
k. Transportation Expenses		$500	$500	$500	$500
l. Laboratory					
m. Insurance					
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous	$4,110	$4,500	$4,500	$4,500	$4,500
q. Total Cash O&M Expenses (5a through 5p)	$121,780	$128,823	$132,560	$136,415	$140,390
r. Replacement Expenditures	$6,056	$15,000	$15,000	$15,000	$15,000
s. Total OM&R Expenditures (5q+5r)	$127,836	$143,823	$147,560	$151,415	$155,390
t. Loan Principal/Capital Lease Payments	$37,237	$37,995	$39,000	$39,000	$39,000
u. Loan Interest Payments	$10,935	$10,882	$4,500	$4,500	$4,500
v. Transfers Out					
w. Capital Purchases (specify):			$15,000	$15,000	$15,000
x. Other					
6. Total Cash Paid Out (5s through 5x)	$176,008	$192,700	$206,060	$209,915	$213,890
7. Ending Cash Position (4 - 6)	$156,371	$156,371	$165,431	$170,636	$171,866

Financial Spreadsheet

Applicant: City of Viborg
Completed by: Melissa Gibson
Date: 3/24/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	410	410	410	410	410
9. Avg Annual User Charge Account (2d/8)	$407.90	$468.05	$522.73	$522.73	$522.73
10. Coverage Ratio (2h-5s)/(5t+5u)	0.82	1.00	1.55	1.46	1.37
11. Operating Ratio (2d/5s)	1.31	1.33	1.45	1.42	1.38
12. Total Restricted Cash Balances					
a. Debt Service Reserve					
b. Bond Retirement Reserve					
c. Capital Improvement Reserve					
d. Replacement Reserve					
e. Other					
13. Restricted Cash Balance (12a through 12e)					
14. Unrestricted Cash Balance (7 – 13)	$156,371	$156,371	$165,431	$170,636	$171,866

CITY OF VIBORG
PO BOX 56
VIBORG, SD 57070

Viborg . . . .
Where People Are Partners For Progress!

Updated Rate Chart: **APRIL 3, 2014**

BASE RATES	**MONTHLY**
Water	$12.50
Sewer	$ 9.00
State Wastewater Fee	$ .30
Water Improvement Fee	$ 5.00
Sewer Improvement Fee	$ 6.00
TOTAL MINIMUM BILL	**$32.80**
USAGE RATES	**MONTHLY**
Water	$ 4.00 (per 100 cf or 748 gallons over 100 cf or 748 gallons minimum
Sewer	$ 1.50 (per 100 cf or 748 gallons over 100 cf or 748 gallons minimum

USDA

ESTIMATED AMORTIZATION SCHEDULE

Loan Amortization Schedule

Borrower Name: Viborg, City of

Purpose: water loan

	Enter values
Loan amount	$ 390,000.00
Annual interest rate	5.00 %
Loan period in years	40
Number of payments per year	1
	7/15/1980
Optional extra payments	$ -

	Loan summary
Scheduled payment	$ 22,920.30
Scheduled # of payments	40
Actual # of payments	39
Total early payments	$ -
Total interest	$ 503,652.49

Pmt No.	Payment Date	Beginning Balance	Scheduled Payment	Extra Payment	Total Payment	Principal	Interest	Ending Balance	Cumulative Interest
1	7/15/1981	$ 390,000.00	$ 22,920.30	$ -	$ 22,920.30	$ 3,420.30	$ 19,500.00	$ 386,579.70	$ 19,500.00
2	7/15/1982	386,579.70	22,920.30	-	22,920.30	3,591.32	19,328.99	382,988.39	38,828.99
3	7/15/1983	382,988.39	22,920.30	-	22,920.30	3,770.88	19,149.42	379,217.50	57,978.40
4	7/15/1984	379,217.50	22,920.30	-	22,920.30	3,959.42	18,960.88	375,258.08	76,939.28
5	7/15/1985	375,258.08	22,920.30	-	22,920.30	4,157.40	18,762.90	371,100.68	95,702.18
6	7/15/1986	371,100.68	22,920.30	-	22,920.30	4,365.27	18,555.03	366,735.42	114,257.22
7	7/15/1987	366,735.42	22,920.30	-	22,920.30	4,583.53	18,336.77	362,151.89	132,593.99
8	7/15/1988	362,151.89	22,920.30	-	22,920.30	4,812.71	18,107.59	357,339.18	150,701.58
9	7/15/1989	357,339.18	22,920.30	-	22,920.30	5,053.34	17,866.96	352,285.84	168,568.54
10	7/15/1990	352,285.84	22,920.30	-	22,920.30	5,306.01	17,614.29	346,979.83	186,182.83
11	7/15/1991	346,979.83	22,920.30	-	22,920.30	5,571.31	17,348.99	341,408.53	203,531.83
12	7/15/1992	341,408.53	22,920.30	-	22,920.30	5,849.87	17,070.43	335,558.65	220,602.25
13	7/15/1993	335,558.65	22,920.30	-	22,920.30	6,142.37	16,777.93	329,416.28	237,380.18
14	7/15/1994	329,416.28	22,920.30	-	22,920.30	6,449.49	16,470.81	322,966.80	253,851.00
15	7/15/1995	322,966.80	22,920.30	-	22,920.30	6,771.96	16,148.34	316,194.84	269,999.34
16	7/15/1996	316,194.84	22,920.30	-	22,920.30	7,110.56	15,809.74	309,084.28	285,809.08
17	7/15/1997	309,084.28	22,920.30	-	22,920.30	7,466.09	15,454.21	301,618.19	301,263.29
18	7/15/1998	301,618.19	22,920.30	-	22,920.30	7,839.39	15,080.91	293,778.80	316,344.20
19	7/15/1999	293,778.80	22,920.30	-	22,920.30	8,231.36	14,688.94	285,547.44	331,033.14
20	7/15/2000	285,547.44	22,920.30	-	22,920.30	8,642.93	14,277.37	276,904.52	345,310.52
21	7/15/2001	276,904.52	22,920.30	-	22,920.30	9,075.07	13,845.23	267,829.44	359,155.74
22	7/15/2002	267,829.44	22,920.30	-	22,920.30	9,528.83	13,391.47	258,300.62	372,547.22
23	7/15/2003	258,300.62	22,920.30	-	22,920.30	10,005.27	12,915.03	248,295.35	385,462.25
24	7/15/2004	248,295.35	22,920.30	-	22,920.30	10,505.53	12,414.77	237,789.81	397,877.01
25	7/15/2005	237,789.81	22,920.30	-	22,920.30	11,030.81	11,889.49	226,759.00	409,766.50
26	7/15/2006	226,759.00	22,920.30	-	22,920.30	11,582.35	11,337.95	215,176.65	421,104.45
27	7/15/2007	215,176.65	22,920.30	-	22,920.30	12,161.47	10,758.83	203,015.19	431,863.29
28	7/15/2008	203,015.19	22,920.30	-	22,920.30	12,769.54	10,150.76	190,245.65	442,014.05
29	7/15/2009	190,245.65	22,920.30	-	22,920.30	13,408.02	9,512.28	176,837.63	451,526.33
30	7/15/2010	176,837.63	22,920.30	-	22,920.30	14,078.42	8,841.88	162,759.21	460,368.21
31	7/15/2011	162,759.21	22,920.30	-	22,920.30	14,782.34	8,137.96	147,976.87	468,506.17
32	7/15/2012	147,976.87	22,920.30	-	22,920.30	15,521.46	7,398.84	132,455.41	475,905.01
33	7/15/2013	132,455.41	22,920.30	-	22,920.30	16,297.53	6,622.77	116,157.88	482,527.78
34	7/15/2014	116,157.88	22,920.30	-	22,920.30	17,112.41	5,807.89	99,045.48	488,335.68
35	7/15/2015	99,045.48	22,920.30	-	22,920.30	17,968.03	4,952.27	81,077.45	493,287.95
36	7/15/2016	81,077.45	22,920.30	-	22,920.30	18,866.43	4,053.87	62,211.03	497,341.83
37	7/15/2017	62,211.03	22,920.30	-	22,920.30	19,809.75	3,110.55	42,401.28	500,452.38
38	7/15/2018	42,401.28	22,920.30	-	22,920.30	20,800.24	2,120.06	21,601.04	502,572.44
39	7/15/2019	21,601.04	22,920.30	-	21,601.04	20,520.99	1,080.05	0.00	503,652.49

AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$104,491.00		07-15-2029					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "****" has been omitted due to text length limitations.

Borrower: Viborg
Drinking Water # 1

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
/SD DENR
.
.
PIERRE, SD

Disbursement Date:
Interest Rate: 3.250

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest ** Paid	Principal Paid	Remaining Balance
1	10-15-2009	1,781.42	848.98	932.44	103,558.56
2009 TOTALS:		**1,781.42**	**848.98**	**932.44**	
2	01-15-2010 ✓	1,781.42	841.42	940.00	102,618.56
3	04-15-2010 ✓	1,781.42	833.77	947.65	101,670.91
4	07-15-2010 ✓	1,781.42	826.08	955.34	100,715.57
5	10-15-2010 ✓	1,781.42	818.31	963.11	99,752.46
2010 TOTALS:		**7,125.68**	**3,319.58**	**3,806.10**	
6	01-15-2011 ✓	1,781.42	810.49	970.93	98,781.53
7	04-15-2011 ✓	1,781.42	802.60	978.82	97,802.71
8	07-15-2011 ✓	1,781.42	794.65	986.77	96,815.94
9	10-15-2011 ✓	1,781.42	786.63	994.79	95,821.15
2011 TOTALS:		**7,125.68**	**3,194.37**	**3,931.31**	
10	01-15-2012 ✓	1,781.42	778.55	1,002.87	94,818.28
11	04-15-2012 ✓	1,781.42	770.39	1,011.03	93,807.25
12	07-15-2012	1,781.42	762.19	1,019.23	92,788.02
13	10-15-2012	1,781.42	753.90	1,027.52	91,760.50
2012 TOTALS:		**7,125.68**	**3,065.03**	**4,060.65**	
14	01-15-2013	1,781.42	745.55	1,035.87	90,724.63
15	04-15-2013	1,781.42	737.14	1,044.28	89,680.35
16	07-15-2013	1,781.42	728.66	1,052.76	88,627.59
17	10-15-2013	1,781.42	720.09	1,061.33	87,566.26
2013 TOTALS:		**7,125.68**	**2,931.44**	**4,194.24**	
18	01-15-2014	1,781.42	711.48	1,069.94	86,496.32
19	04-15-2014	1,781.42	702.78	1,078.64	85,417.68
20	07-15-2014	1,781.42	694.02	1,087.40	84,330.28
21	10-15-2014	1,781.42	685.19	1,096.23	83,234.05
2014 TOTALS:		**7,125.68**	**2,793.47**	**4,332.21**	
22	01-15-2015	1,781.42	676.27	1,105.15	82,128.90
23	04-15-2015	1,781.42	667.30	1,114.12	81,014.78
24	07-15-2015	1,781.42	658.24	1,123.18	79,891.60
25	10-15-2015	1,781.42	649.12	1,132.30	78,759.30
2015 TOTALS:		**7,125.68**	**2,650.93**	**4,474.75**	
26	01-15-2016	1,781.42	639.92	1,141.50	77,617.80
27	04-15-2016	1,781.42	630.65	1,150.77	76,467.03
28	07-15-2016	1,781.42	621.29	1,160.13	75,306.90
29	10-15-2016	1,781.42	611.87	1,169.55	74,137.35
2016 TOTALS:		**7,125.68**	**2,503.73**	**4,621.95**	
30	01-15-2017	1,781.42	602.37	1,179.05	72,958.30
31	04-15-2017	1,781.42	592.78	1,188.64	71,769.66
32	07-15-2017	1,781.42	583.13	1,198.29	70,571.37
33	10-15-2017	1,781.42	573.39	1,208.03	69,363.34
2017 TOTALS:		**7,125.68**	**2,351.67**	**4,774.01**	
34	01-15-2018	1,781.42	563.58	1,217.84	68,145.50
35	04-15-2018	1,781.42	553.68	1,227.74	66,917.76
36	07-15-2018	1,781.42	543.71	1,237.71	65,680.05
37	10-15-2018	1,781.42	533.65	1,247.77	64,432.28

** INTEREST PAID also includes Admin Surcharge amounts

AMORTIZATION SCHEDULE
(Continued)

2018 TOTALS:		**7,125.68**	**2,194.62**	**4,931.06**	
38	01-15-2019	1,781.42	523.51	1,257.91	63,174.37
39	04-15-2019	1,781.42	513.29	1,268.13	61,906.24
40	07-15-2019	1,781.42	502.99	1,278.43	60,627.81
41	10-15-2019	1,781.42	492.60	1,288.82	59,338.99
2019 TOTALS:		**7,125.68**	**2,032.39**	**5,093.29**	
42	01-15-2020	1,781.42	482.13	1,299.29	58,039.70
43	04-15-2020	1,781.42	471.58	1,309.84	56,729.86
44	07-15-2020	1,781.42	460.93	1,320.49	55,409.37
45	10-15-2020	1,781.42	450.20	1,331.22	54,078.15
2020 TOTALS:		**7,125.68**	**1,864.84**	**5,260.84**	
46	01-15-2021	1,781.42	439.38	1,342.04	52,736.11
47	04-15-2021	1,781.42	428.48	1,352.94	51,383.17
48	07-15-2021	1,781.42	417.49	1,363.93	50,019.24
49	10-15-2021	1,781.42	406.41	1,375.01	48,644.23
2021 TOTALS:		**7,125.68**	**1,691.76**	**5,433.92**	
50	01-15-2022	1,781.42	395.23	1,386.19	47,258.04
51	04-15-2022	1,781.42	383.97	1,397.45	45,860.59
52	07-15-2022	1,781.42	372.62	1,408.80	44,451.79
53	10-15-2022	1,781.42	361.17	1,420.25	43,031.54
2022 TOTALS:		**7,125.68**	**1,512.99**	**5,612.69**	
54	01-15-2023	1,781.42	349.63	1,431.79	41,599.75
55	04-15-2023	1,781.42	338.00	1,443.42	40,156.33
56	07-15-2023	1,781.42	326.27	1,455.15	38,701.18
57	10-15-2023	1,781.42	314.45	1,466.97	37,234.21
2023 TOTALS:		**7,125.68**	**1,328.35**	**5,797.33**	
58	01-15-2024	1,781.42	302.53	1,478.89	35,755.32
59	04-15-2024	1,781.42	290.51	1,490.91	34,264.41
60	07-15-2024	1,781.42	278.40	1,503.02	32,761.39
61	10-15-2024	1,781.42	266.18	1,515.24	31,246.15
2024 TOTALS:		**7,125.68**	**1,137.62**	**5,988.06**	
62	01-15-2025	1,781.42	253.88	1,527.54	29,718.61
63	04-15-2025	1,781.42	241.46	1,539.96	28,178.65
64	07-15-2025	1,781.42	228.95	1,552.47	26,626.18
65	10-15-2025	1,781.42	216.34	1,565.08	25,061.10
2025 TOTALS:		**7,125.68**	**940.63**	**6,185.05**	
66	01-15-2026	1,781.42	203.62	1,577.80	23,483.30
67	04-15-2026	1,781.42	190.80	1,590.62	21,892.68
68	07-15-2026	1,781.42	177.88	1,603.54	20,289.14
69	10-15-2026	1,781.42	164.85	1,616.57	18,672.57
2026 TOTALS:		**7,125.68**	**737.15**	**6,388.53**	
70	01-15-2027	1,781.42	151.71	1,629.71	17,042.86
71	04-15-2027	1,781.42	138.48	1,642.94	15,399.92
72	07-15-2027	1,781.42	125.12	1,656.30	13,743.62
73	10-15-2027	1,781.42	111.67	1,669.75	12,073.87
2027 TOTALS:		**7,125.68**	**526.98**	**6,598.70**	
74	01-15-2028	1,781.42	98.10	1,683.32	10,390.55
75	04-15-2028	1,781.42	84.42	1,697.00	8,693.55
76	07-15-2028	1,781.42	70.64	1,710.78	6,982.77
77	10-15-2028	1,781.42	56.73	1,724.69	5,258.08
2028 TOTALS:		**7,125.68**	**309.89**	**6,815.79**	
78	01-15-2029	1,781.42	42.72	1,738.70	3,519.38
79	04-15-2029	1,781.42	28.60	1,752.82	1,766.56
80	07-15-2029	1,781.42	14.86	1,766.56	0.00
2029 TOTALS:		**5,344.26**	**86.18**	**5,258.08**	
TOTALS:		**142,513.60**	**38,022.60**	**104,491.00**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$117,000.00	(	10-15-2042					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: Viborg-Drinking Water #2
Total Advances $847,000.00
Principal Forgiveness $730,000.00
Principal Payments $0.00

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
/SD DENR

PIERRE, SD

Disbursement Date:
Interest Rate: 3.000

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest ** Paid	Principal Paid	Remaining Balance
1	01-15-2013	1,482.11 ✓	877.50	604.61	116,395.39
2	04-15-2013	1,482.11 ✓	872.96	609.15	115,786.24
3	07-15-2013	1,482.11 ✓	868.40	613.71	115,172.53
4	10-15-2013	1,482.11 ✓	863.79	618.32	114,554.21
2013 TOTALS:		**5,928.44**	**3,482.65**	**2,445.79**	
5	01-15-2014	1,482.11 ✓	859.16	622.95	113,931.26
6	04-15-2014	1,482.11 ✓	854.48	627.63	113,303.63
7	07-15-2014	1,482.11 ✓	849.78	632.33	112,671.30
8	10-15-2014	1,482.11 ✓	845.03	637.08	112,034.22
2014 TOTALS:		**5,928.44**	**3,408.45**	**2,519.99**	
9	01-15-2015	1,482.11 ✓	840.26	641.85	111,392.37
10	04-15-2015	1,482.11 ✓	835.44	646.67	110,745.70
11	07-15-2015	1,482.11 ✓	830.60	651.51	110,094.19
12	10-15-2015	1,482.11 ✓	825.70	656.41	109,437.78
2015 TOTALS:		**5,928.44**	**3,332.00**	**2,596.44**	
13	01-15-2016	1,482.11 ✓	820.79	661.32	108,776.46
14	04-15-2016	1,482.11	815.82	666.29	108,110.17
15	07-15-2016	1,482.11	810.83	671.28	107,438.89
16	10-15-2016	1,482.11	805.79	676.32	106,762.57
2016 TOTALS:		**5,928.44**	**3,253.23**	**2,675.21**	
17	01-15-2017	1,482.11	800.72	681.39	106,081.18
18	04-15-2017	1,482.11	795.61	686.50	105,394.68
19	07-15-2017	1,482.11	790.46	691.65	104,703.03
20	10-15-2017	1,482.11	785.27	696.84	104,006.19
2017 TOTALS:		**5,928.44**	**3,172.06**	**2,756.38**	
21	01-15-2018	1,482.11	780.04	702.07	103,304.12
22	04-15-2018	1,482.11	774.79	707.32	102,596.80
23	07-15-2018	1,482.11	769.47	712.64	101,884.16
24	10-15-2018	1,482.11	764.13	717.98	101,166.18
2018 TOTALS:		**5,928.44**	**3,088.43**	**2,840.01**	
25	01-15-2019	1,482.11	758.75	723.36	100,442.82
26	04-15-2019	1,482.11	753.32	728.79	99,714.03
27	07-15-2019	1,482.11	747.86	734.25	98,979.78
28	10-15-2019	1,482.11	742.34	739.77	98,240.01
2019 TOTALS:		**5,928.44**	**3,002.27**	**2,926.17**	
29	01-15-2020	1,482.11	736.80	745.31	97,494.70
30	04-15-2020	1,482.11	731.21	750.90	96,743.80
31	07-15-2020	1,482.11	725.58	756.53	95,987.27
32	10-15-2020	1,482.11	719.91	762.20	95,225.07
2020 TOTALS:		**5,928.44**	**2,913.50**	**3,014.94**	
33	01-15-2021	1,482.11	714.19	767.92	94,457.15
34	04-15-2021	1,482.11	708.42	773.69	93,683.46
35	07-15-2021	1,482.11	702.63	779.48	92,903.98
36	10-15-2021	1,482.11	696.78	785.33	92,118.65
2021 TOTALS:		**5,928.44**	**2,822.02**	**3,106.42**	
37	01-15-2022	1,482.11	690.89	791.22	91,327.43
38	04-15-2022	1,482.11	684.96	797.15	90,530.28

** INTEREST PAID also includes Admin Surcharge amts Prune 602-4700-4440

AMORTIZATION SCHEDULE
(Continued)

39	07-15-2022	1,482.11	678.97	803.14	89,727.14
40	10-15-2022	1,482.11	672.96	809.15	88,917.99
2022 TOTALS:		**5,928.44**	**2,727.78**	**3,200.66**	
41	01-15-2023	1,482.11	666.88	815.23	88,102.76
42	04-15-2023	1,482.11	660.77	821.34	87,281.42
43	07-15-2023	1,482.11	654.61	827.50	86,453.92
44	10-15-2023	1,482.11	648.41	833.70	85,620.22
2023 TOTALS:		**5,928.44**	**2,630.67**	**3,297.77**	
45	01-15-2024	1,482.11	642.15	839.96	84,780.26
46	04-15-2024	1,482.11	635.85	846.26	83,934.00
47	07-15-2024	1,482.11	629.51	852.60	83,081.40
48	10-15-2024	1,482.11	623.11	859.00	82,222.40
2024 TOTALS:		**5,928.44**	**2,530.62**	**3,397.82**	
49	01-15-2025	1,482.11	616.66	865.45	81,356.95
50	04-15-2025	1,482.11	610.18	871.93	80,485.02
51	07-15-2025	1,482.11	603.64	878.47	79,606.55
52	10-15-2025	1,482.11	597.05	885.06	78,721.49
2025 TOTALS:		**5,928.44**	**2,427.53**	**3,500.91**	
53	01-15-2026	1,482.11	590.41	891.70	77,829.79
54	04-15-2026	1,482.11	583.72	898.39	76,931.40
55	07-15-2026	1,482.11	576.99	905.12	76,026.28
56	10-15-2026	1,482.11	570.20	911.91	75,114.37
2026 TOTALS:		**5,928.44**	**2,321.32**	**3,607.12**	
57	01-15-2027	1,482.11	563.35	918.76	74,195.61
58	04-15-2027	1,482.11	556.47	925.64	73,269.97
59	07-15-2027	1,482.11	549.52	932.59	72,337.38
60	10-15-2027	1,482.11	542.54	939.57	71,397.81
2027 TOTALS:		**5,928.44**	**2,211.88**	**3,716.56**	
61	01-15-2028	1,482.11	535.48	946.63	70,451.18
62	04-15-2028	1,482.11	528.38	953.73	69,497.45
63	07-15-2028	1,482.11	521.23	960.88	68,536.57
64	10-15-2028	1,482.11	514.03	968.08	67,568.49
2028 TOTALS:		**5,928.44**	**2,099.12**	**3,829.32**	
65	01-15-2029	1,482.11	506.76	975.35	66,593.14
66	04-15-2029	1,482.11	499.45	982.66	65,610.48
67	07-15-2029	1,482.11	492.08	990.03	64,620.45
68	10-15-2029	1,482.11	484.65	997.46	63,622.99
2029 TOTALS:		**5,928.44**	**1,982.94**	**3,945.50**	
69	01-15-2030	1,482.11	477.17	1,004.94	62,618.05
70	04-15-2030	1,482.11	469.64	1,012.47	61,605.58
71	07-15-2030	1,482.11	462.04	1,020.07	60,585.51
72	10-15-2030	1,482.11	454.39	1,027.72	59,557.79
2030 TOTALS:		**5,928.44**	**1,863.24**	**4,065.20**	
73	01-15-2031	1,482.11	446.69	1,035.42	58,522.37
74	04-15-2031	1,482.11	438.91	1,043.20	57,479.17
75	07-15-2031	1,482.11	431.10	1,051.01	56,428.16
76	10-15-2031	1,482.11	423.21	1,058.90	55,369.26
2031 TOTALS:		**5,928.44**	**1,739.91**	**4,188.53**	
77	01-15-2032	1,482.11	415.27	1,066.84	54,302.42
78	04-15-2032	1,482.11	407.27	1,074.84	53,227.58
79	07-15-2032	1,482.11	399.20	1,082.91	52,144.67
80	10-15-2032	1,482.11	391.09	1,091.02	51,053.65
2032 TOTALS:		**5,928.44**	**1,612.83**	**4,315.61**	
81	01-15-2033	1,482.11	382.90	1,099.21	49,954.44
82	04-15-2033	1,482.11	374.66	1,107.45	48,846.99
83	07-15-2033	1,482.11	366.35	1,115.76	47,731.23
84	10-15-2033	1,482.11	357.99	1,124.12	46,607.11
2033 TOTALS:		**5,928.44**	**1,481.90**	**4,446.54**	
85	01-15-2034	1,482.11	349.55	1,132.56	45,474.55
86	04-15-2034	1,482.11	341.06	1,141.05	44,333.50

AMORTIZATION SCHEDULE
(Continued)

87	07–15–2034	1,482.11	332.50	1,149.61	43,183.89
88	10–15–2034	1,482.11	323.88	1,158.23	42,025.66
2034 TOTALS:		**5,928.44**	**1,346.99**	**4,581.45**	
89	01–15–2035	1,482.11	315.19	1,166.92	40,858.74
90	04–15–2035	1,482.11	306.44	1,175.67	39,683.07
91	07–15–2035	1,482.11	297.62	1,184.49	38,498.58
92	10–15–2035	1,482.11	288.74	1,193.37	37,305.21
2035 TOTALS:		**5,928.44**	**1,207.99**	**4,720.45**	
93	01–15–2036	1,482.11	279.79	1,202.32	36,102.89
94	04–15–2036	1,482.11	270.77	1,211.34	34,891.55
95	07–15–2036	1,482.11	261.69	1,220.42	33,671.13
96	10–15–2036	1,482.11	252.53	1,229.58	32,441.55
2036 TOTALS:		**5,928.44**	**1,064.78**	**4,863.66**	
97	01–15–2037	1,482.11	243.32	1,238.79	31,202.76
98	04–15–2037	1,482.11	234.02	1,248.09	29,954.67
99	07–15–2037	1,482.11	224.66	1,257.45	28,697.22
100	10–15–2037	1,482.11	215.23	1,266.88	27,430.34
2037 TOTALS:		**5,928.44**	**917.23**	**5,011.21**	
101	01–15–2038	1,482.11	205.72	1,276.39	26,153.95
102	04–15–2038	1,482.11	196.16	1,285.95	24,868.00
103	07–15–2038	1,482.11	186.51	1,295.60	23,572.40
104	10–15–2038	1,482.11	176.79	1,305.32	22,267.08
2038 TOTALS:		**5,928.44**	**765.18**	**5,163.26**	
105	01–15–2039	1,482.11	167.00	1,315.11	20,951.97
106	04–15–2039	1,482.11	157.14	1,324.97	19,627.00
107	07–15–2039	1,482.11	147.21	1,334.90	18,292.10
108	10–15–2039	1,482.11	137.19	1,344.92	16,947.18
2039 TOTALS:		**5,928.44**	**608.54**	**5,319.90**	
109	01–15–2040	1,482.11	127.10	1,355.01	15,592.17
110	04–15–2040	1,482.11	116.94	1,365.17	14,227.00
111	07–15–2040	1,482.11	106.71	1,375.40	12,851.60
112	10–15–2040	1,482.11	96.38	1,385.73	11,465.87
2040 TOTALS:		**5,928.44**	**447.13**	**5,481.31**	
113	01–15–2041	1,482.11	86.00	1,396.11	10,069.76
114	04–15–2041	1,482.11	75.52	1,406.59	8,663.17
115	07–15–2041	1,482.11	64.97	1,417.14	7,246.03
116	10–15–2041	1,482.11	54.35	1,427.76	5,818.27
2041 TOTALS:		**5,928.44**	**280.84**	**5,647.60**	
117	01–15–2042	1,482.11	43.64	1,438.47	4,379.80
118	04–15–2042	1,482.11	32.84	1,449.27	2,930.53
119	07–15–2042	1,482.11	21.98	1,460.13	1,470.40
120	10–15–2042	1,482.11	11.71	1,470.40	0.00
2042 TOTALS:		**5,928.44**	**110.17**	**5,818.27**	
TOTALS:		**177,853.20**	**60,853.20**	**117,000.00**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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from Jay
3-27-2014

AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$908,378.22		01-15-2044					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: TM Rural Water - Drinking Water #1

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS /SD DENR
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PIERRE, SD

Principal Advance:	$908,378.22
Amount Financed:	$908,378.22
Finance Charge:	$472,457.10
APR:	3.0000%
Total Principal:	$908,378.22
Total Interest:	$472,457.10
Total of Payments:	$1,380,835.32

Payment Schedule

Description	Date	Frequency	Number	Amount
Fixed Regular Payment	Apr 15, 2014	Quarterly	119	$11,506.95
Balloon Payment	Jan 15, 2044	One Time	1	$11,508.27

* Interest Payment also includes Admin Surcharge amounts

Amortization Schedule

Date	Description	Total Payment	P&I Payment	Principal Payment	Interest Payment	Principal Balance
Jan 15, 2014	Beginning Balance					908,378.22
Apr 15, 2014	Fixed Regular Payment	11,506.95	11,506.95	4,694.11	6,812.84	903,684.11
Jul 15, 2014	Fixed Regular Payment	11,506.95	11,506.95	4,729.31	6,777.64	898,954.80
Oct 15, 2014	Fixed Regular Payment	11,506.95	11,506.95	4,764.78	6,742.17	894,190.02
2014 Totals		**34,520.85**	**34,520.85**	**14,188.20**	**20,332.65**	
Jan 15, 2015	Fixed Regular Payment	11,506.95	11,506.95	4,800.52	6,706.43	889,389.50
Apr 15, 2015	Fixed Regular Payment	11,506.95	11,506.95	4,836.52	6,670.43	884,552.98
Jul 15, 2015	Fixed Regular Payment	11,506.95	11,506.95	4,872.80	6,634.15	879,680.18
Oct 15, 2015	Fixed Regular Payment	11,506.95	11,506.95	4,909.34	6,597.61	874,770.84
2015 Totals		**46,027.80**	**46,027.80**	**19,419.18**	**26,608.62**	
Jan 15, 2016	Fixed Regular Payment	11,506.95	11,506.95	4,946.16	6,560.79	869,824.68
Apr 15, 2016	Fixed Regular Payment	11,506.95	11,506.95	4,983.26	6,523.69	864,841.42
Jul 15, 2016	Fixed Regular Payment	11,506.95	11,506.95	5,020.63	6,486.32	859,820.79
Oct 15, 2016	Fixed Regular Payment	11,506.95	11,506.95	5,058.29	6,448.66	854,762.50
2016 Totals		**46,027.80**	**46,027.80**	**20,008.34**	**26,019.46**	
Jan 15, 2017	Fixed Regular Payment	11,506.95	11,506.95	5,096.23	6,410.72	849,666.27
Apr 15, 2017	Fixed Regular Payment	11,506.95	11,506.95	5,134.45	6,372.50	844,531.82
Jul 15, 2017	Fixed Regular Payment	11,506.95	11,506.95	5,172.96	6,333.99	839,358.86
Oct 15, 2017	Fixed Regular Payment	11,506.95	11,506.95	5,211.75	6,295.20	834,147.11
2017 Totals		**46,027.80**	**46,027.80**	**20,615.39**	**25,412.41**	
Jan 15, 2018	Fixed Regular Payment	11,506.95	11,506.95	5,250.84	6,256.11	828,896.27
Apr 15, 2018	Fixed Regular Payment	11,506.95	11,506.95	5,290.22	6,216.73	823,606.05
Jul 15, 2018	Fixed Regular Payment	11,506.95	11,506.95	5,329.90	6,177.05	818,276.15
Oct 15, 2018	Fixed Regular Payment	11,506.95	11,506.95	5,369.87	6,137.08	812,906.28
2018 Totals		**46,027.80**	**46,027.80**	**21,240.83**	**24,786.97**	
Jan 15, 2019	Fixed Regular Payment	11,506.95	11,506.95	5,410.15	6,096.80	807,496.13
Apr 15, 2019	Fixed Regular Payment	11,506.95	11,506.95	5,450.72	6,056.23	802,045.41
Jul 15, 2019	Fixed Regular Payment	11,506.95	11,506.95	5,491.60	6,015.35	796,553.81
Oct 15, 2019	Fixed Regular Payment	11,506.95	11,506.95	5,532.79	5,974.16	791,021.02
2019 Totals		**46,027.80**	**46,027.80**	**21,885.26**	**24,142.54**	
Jan 15, 2020	Fixed Regular Payment	11,506.95	11,506.95	5,574.29	5,932.66	785,446.73
Apr 15, 2020	Fixed Regular Payment	11,506.95	11,506.95	5,616.09	5,890.86	779,830.64
Jul 15, 2020	Fixed Regular Payment	11,506.95	11,506.95	5,658.22	5,848.73	774,172.42
Oct 15, 2020	Fixed Regular Payment	11,506.95	11,506.95	5,700.65	5,806.30	768,471.77
2020 Totals		**46,027.80**	**46,027.80**	**22,549.25**	**23,478.55**	
Jan 15, 2021	Fixed Regular Payment	11,506.95	11,506.95	5,743.41	5,763.54	762,728.36
Apr 15, 2021	Fixed Regular Payment	11,506.95	11,506.95	5,786.48	5,720.47	756,941.88
Jul 15, 2021	Fixed Regular Payment	11,506.95	11,506.95	5,829.88	5,677.07	751,112.00
Oct 15, 2021	Fixed Regular Payment	11,506.95	11,506.95	5,873.60	5,633.35	745,238.40
2021 Totals		**46,027.80**	**46,027.80**	**23,233.37**	**22,794.43**	
Jan 15, 2022	Fixed Regular Payment	11,506.95	11,506.95	5,917.66	5,589.29	739,320.74

Apr 15, 2022	Fixed Regular Payment	11,506.95	11,506.95	5,962.04	5,544.91	733,358.70
Jul 15, 2022	Fixed Regular Payment	11,506.95	11,506.95	6,006.75	5,500.20	727,351.95
Oct 15, 2022	Fixed Regular Payment	11,506.95	11,506.95	6,051.81	5,455.14	721,300.14
2022 Totals		**46,027.80**	**46,027.80**	**23,938.26**	**22,089.54**	
Jan 15, 2023	Fixed Regular Payment	11,506.95	11,506.95	6,097.19	5,409.76	715,202.95
Apr 15, 2023	Fixed Regular Payment	11,506.95	11,506.95	6,142.92	5,364.03	709,060.03
Jul 15, 2023	Fixed Regular Payment	11,506.95	11,506.95	6,188.99	5,317.96	702,871.04
Oct 15, 2023	Fixed Regular Payment	11,506.95	11,506.95	6,235.41	5,271.54	696,635.63
2023 Totals		**46,027.80**	**46,027.80**	**24,664.51**	**21,363.29**	
Jan 15, 2024	Fixed Regular Payment	11,506.95	11,506.95	6,282.18	5,224.77	690,353.45
Apr 15, 2024	Fixed Regular Payment	11,506.95	11,506.95	6,329.29	5,177.66	684,024.16
Jul 15, 2024	Fixed Regular Payment	11,506.95	11,506.95	6,376.76	5,130.19	677,647.40
Oct 15, 2024	Fixed Regular Payment	11,506.95	11,506.95	6,424.59	5,082.36	671,222.81
2024 Totals		**46,027.80**	**46,027.80**	**25,412.82**	**20,614.98**	
Jan 15, 2025	Fixed Regular Payment	11,506.95	11,506.95	6,472.77	5,034.18	664,750.04
Apr 15, 2025	Fixed Regular Payment	11,506.95	11,506.95	6,521.32	4,985.63	658,228.72
Jul 15, 2025	Fixed Regular Payment	11,506.95	11,506.95	6,570.23	4,936.72	651,658.49
Oct 15, 2025	Fixed Regular Payment	11,506.95	11,506.95	6,619.51	4,887.44	645,038.98
2025 Totals		**46,027.80**	**46,027.80**	**26,183.83**	**19,843.97**	
Jan 15, 2026	Fixed Regular Payment	11,506.95	11,506.95	6,669.15	4,837.80	638,369.83
Apr 15, 2026	Fixed Regular Payment	11,506.95	11,506.95	6,719.17	4,787.78	631,650.66
Jul 15, 2026	Fixed Regular Payment	11,506.95	11,506.95	6,769.57	4,737.38	624,881.09
Oct 15, 2026	Fixed Regular Payment	11,506.95	11,506.95	6,820.34	4,686.61	618,060.75
2026 Totals		**46,027.80**	**46,027.80**	**26,978.23**	**19,049.57**	
Jan 15, 2027	Fixed Regular Payment	11,506.95	11,506.95	6,871.49	4,635.46	611,189.26
Apr 15, 2027	Fixed Regular Payment	11,506.95	11,506.95	6,923.03	4,583.92	604,266.23
Jul 15, 2027	Fixed Regular Payment	11,506.95	11,506.95	6,974.95	4,532.00	597,291.28
Oct 15, 2027	Fixed Regular Payment	11,506.95	11,506.95	7,027.26	4,479.69	590,264.02
2027 Totals		**46,027.80**	**46,027.80**	**27,796.73**	**18,231.07**	
Jan 15, 2028	Fixed Regular Payment	11,506.95	11,506.95	7,079.96	4,426.99	583,184.06
Apr 15, 2028	Fixed Regular Payment	11,506.95	11,506.95	7,133.06	4,373.89	576,051.00
Jul 15, 2028	Fixed Regular Payment	11,506.95	11,506.95	7,186.56	4,320.39	568,864.44
Oct 15, 2028	Fixed Regular Payment	11,506.95	11,506.95	7,240.46	4,266.49	561,623.98
2028 Totals		**46,027.80**	**46,027.80**	**28,640.04**	**17,387.76**	
Jan 15, 2029	Fixed Regular Payment	11,506.95	11,506.95	7,294.77	4,212.18	554,329.21
Apr 15, 2029	Fixed Regular Payment	11,506.95	11,506.95	7,349.48	4,157.47	546,979.73
Jul 15, 2029	Fixed Regular Payment	11,506.95	11,506.95	7,404.60	4,102.35	539,575.13
Oct 15, 2029	Fixed Regular Payment	11,506.95	11,506.95	7,460.13	4,046.82	532,115.00
2029 Totals		**46,027.80**	**46,027.80**	**29,508.98**	**16,518.82**	
Jan 15, 2030	Fixed Regular Payment	11,506.95	11,506.95	7,516.08	3,990.87	524,598.92
Apr 15, 2030	Fixed Regular Payment	11,506.95	11,506.95	7,572.45	3,934.50	517,026.47
Jul 15, 2030	Fixed Regular Payment	11,506.95	11,506.95	7,629.25	3,877.70	509,397.22

2.95 per 1000
1016.45 monthly

Memorandum of Understanding

This Memorandum of Understanding (the Memorandum) is made and entered into on this January ____, 2014, by and between TM Rural Water District hereinafter referred to as TM and the City of Viborg hereinafter referred to as Viborg.

WHEREAS, TM and Viborg had previously adopted an Addendum to the 1984 Water Supply Contract between the two entities using projected loan repayment amounts and setting forth terms of repayment; and

WHEREAS, TM and Viborg find it necessary to amend the previously adopted Addendum to the Water Supply Contract in order to utilize actual repayment amounts and terms of repayment; and

WHEREAS, both entities are desirous to enter into a Memorandum of Understanding to set forth the amendments to the existing Addendum to the Water Supply Contract.

Purpose

The purpose of this Memorandum is to specify the amendments to the existing Addendum to the Water Supply Contract between TM and Viborg.

Amendment to Addendum of the Water Supply Contract

1. Paragraph B.1. Flat Rate.

   Paragraph B.1, as set forth herein, shall replace Paragraph B.1 and 2 of the 1984 agreement between the parties wherein the City agreed to pay a flat rate determined to be $2.85 per 1,000 gallons of water delivered for the year 2011 with such rate to be adjusted on an annual basis pursuant to the conditions of Paragraph B.3. of the original agreement between the parties.

   Amend to read:

   Paragraph B.1, as set forth herein, shall replace Paragraph B.1 and 2 of the 1984 agreement between the parties and the City shall pay a flat rate determined to be **$2.95** per 1,000 gallons of water delivered for the year **2014** with such rate to be adjusted on an annual basis pursuant to the conditions of Paragraph B.3. of the original agreement between the parties.

2. Paragraph B.5. Infrastructure Payment. In addition to the flat rate payment contained in B.1 above, Viborg agrees to pay the District not later than the tenth (10th) day of each month, the sum of $1,179.00 per month for a period of three hundred sixty (360) months as a payment to District to compensate District for debt service payments District shall make for the cost of an infrastructure project benefiting Viborg.

Amend to read:

Paragraph B.5. Infrastructure Payment. In addition to the flat rate payment contained in B.1 above, Viborg agrees to pay the District not later than the tenth (10th) day of each month, the sum of **$1,016.45** per month for a period of three hundred sixty (360) months as a payment to District to compensate District for debt service payments District shall make for the cost of an infrastructure project benefiting Viborg.

3. Paragraph B.6. Prepayment. Viborg shall retain the option to prepay in full or in part a sum agreed upon by the parties to fully compensate the District for any remaining new project infrastructure costs. The exercise of the option to prepay only a portion of the infrastructure costs shall not trigger a recalculation of the infrastructure cost monthly payment. The monthly payment shall continue as set forth herein until the entire agreed upon amount is paid in full.

Amend to read:

Paragraph B.6. Prepayment. Prepayment of debt service owed to the District **is not permitted after January first (1st) 2014.**

ATTEST: TM RURAL WATER DISTRICT

_____ By_____

TM Secretary Its President

ATTEST: TOWN OF VIBORG

Lori L. Ronk By Kyle T. Christensen

City Auditor Its Mayor

MUNICIPALITY OF VIBORG
STATEMENT OF NET POSITION
PROPRIETARY FUNDS
December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
ASSETS:			
Current Assets:			
Cash and Cash Equivalents	150,715.37	105,800.39	256,515.76
Accounts Receivable, Net	14,426.08	8,476.61	22,902.69
Inventory of Supplies	14,111.00	4,882.00	18,993.00
Total Current Assets	179,252.45	119,159.00	298,411.45
Noncurrent Assets:			
Capital Assets:			
Land	9,100.00	12,389.76	21,489.76
Buildings	166,312.00		166,312.00
Improvements Other Than Buildings	2,932,051.76	1,200,821.92	4,132,873.68
Machinery and Equipment	9,195.65	82,860.92	92,056.57
Less: Accumulated Depreciation	(641,180.46)	(360,554.62)	(1,001,735.08)
Total Noncurrent Assets	2,475,478.95	935,517.98	3,410,996.93
TOTAL ASSETS	2,654,731.40	1,054,676.98	3,709,408.38
LIABILITIES:			
Current Liabilities:			
Accounts Payable	370.50		370.50
Customer Deposits	4,900.00		4,900.00
Bonds Payable Current:			
Revenue	25,230.39	8,487.75	33,718.14
Notes Payable - Current	5,164.52		5,164.52
Total Current Liabilities	35,665.41	8,487.75	44,153.16
Noncurrent Liabilities:			
Bonds Payable:			
Revenue	265,375.52	377,303.98	642,679.50
Notes Payable - Long-Term	230,453.36		230,453.36
Accrued Leave Payable	278.62	278.62	557.24
Total Noncurrent Liabilities	496,107.50	377,582.60	873,690.10
TOTAL LIABILITIES	531,772.91	386,070.35	917,843.26
NET POSITION:			
Net Investment in Capital Assets	1,949,255.16	549,726.25	2,498,981.41
Restricted for:			
Revenue Bond Debt Service	44,870.26		44,870.26
Equipment Repair and/or Replacement		30,941.33	30,941.33
Unrestricted Net Position	128,833.07	87,939.05	216,772.12
TOTAL NET POSITION	2,122,958.49	668,606.63	2,791,565.12

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF VIBORG
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION
PROPRIETARY FUNDS
For the Year Ended December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
Operating Revenue:			
Charges for Goods and Services	143,104.57	72,536.19	215,640.76
Miscellaneous	22,819.22	22,390.22	45,209.44
Total Operating Revenue	165,923.79	94,926.41	260,850.20
Operating Expenses:			
Personal Services	37,719.61	37,668.22	75,387.83
Other Current Expense	17,309.21	9,303.40	26,612.61
Materials (Cost of Goods Sold)	64,169.00		64,169.00
Depreciation	61,704.51	25,700.55	87,405.06
Total Operating Expenses	180,902.33	72,672.17	253,574.50
Operating Income (Loss)	(14,978.54)	22,254.24	7,275.70
Nonoperating Revenue (Expense):			
Investment Earnings	432.03	231.20	663.23
Interest Expense and Fiscal Charges	(18,975.24)	(12,705.82)	(31,681.06)
Gain (Loss) on Disposition of Assets	(34,571.30)		(34,571.30)
Total Nonoperating Revenue (Expense)	(53,114.51)	(12,474.62)	(65,589.13)
Change in Net Position	(68,093.05)	9,779.62	(58,313.43)
Net Position - Beginning	2,191,051.54	658,827.01	2,849,878.55
NET POSITION - ENDING	2,122,958.49	668,606.63	2,791,565.12

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF VIBORG
STATEMENT OF CASH FLOWS
PROPRIETARY FUNDS
For the Year Ended December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
CASH FLOWS FROM OPERATING ACTIVITIES:			
Cash Receipts from Customers	162,729.82	93,978.92	256,708.74
Cash Receipts for Interfund Services Provided	632.14		632.14
Cash Payments to Employees for Services	(38,902.15)	(38,850.76)	(77,752.91)
Cash Payments to Suppliers of Goods and Services	(79,507.86)	(7,982.40)	(87,490.26)
Net Cash Provided (Used) by Operating Activities	44,951.95	47,145.76	92,097.71
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:			
Cost to Dispose of Capital Assets	(20,300.00)		(20,300.00)
Principal Paid on Capital Debt	(29,196.58)	(8,217.42)	(37,414.00)
Interest Paid on Capital Debt	(18,975.24)	(12,705.82)	(31,681.06)
Net Cash (Used) by Capital and Related Financing Activities	(68,471.82)	(20,923.24)	(89,395.06)
CASH FLOWS FROM INVESTING ACTIVITIES:			
Cash Received for Interest	432.03	231.20	663.23
Net Cash Provided (Used) by Investing Activities	432.03	231.20	663.23
Net Increase (Decrease) in Cash and Cash Equivalents	(23,087.84)	26,453.72	3,365.88
Balances - Beginning	173,803.21	79,346.67	253,149.88
Balances - Ending	150,715.37	105,800.39	256,515.76
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED (USED) BY OPERATING ACTIVITIES:			
Operating Income (Loss)	(14,978.54)	22,254.24	7,275.70
Adjustments to Reconcile Operating Income to Net Cash Provided (Used) by Operating Activities:			
Depreciation Expense	61,704.51	25,700.55	87,405.06
Change in Assets and Liabilities:			
Receivables	(2,061.83)	(947.49)	(3,009.32)
Inventories	1,779.00	1,321.00	3,100.00
Accounts and Other Payables	191.35		191.35
Accrued Leave Payable	(1,182.54)	(1,182.54)	(2,365.08)
Customer Deposits	(500.00)		(500.00)
Net Cash Provided (Used) by Operating Activities	44,951.95	47,145.76	92,097.71

The notes to the financial statements are an integral part of this statement.

VIBORG, SD
*Revenue Guideline©

Current Period: DECEMBER 2015

		2015 YTD Budget	2015 YTD Amt	DECEMBER MTD Amt	2015 YTD Balance	% of YTD Budget
Total SPECIAL REV. - GROSS RCPTS TAX		$9,000.00	$9,081.67	$1,011.29	-$81.67	100.91%
WATER FUND						
Active	R 602-3810-3340 STATE GRANTS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3615 WATERWORKS RE	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3690 MISCELLANEOUS	$1,000.00	$100.00	$0.00	$900.00	10.00%
Active	R 602-3810-3810 PAST DUE WATER	$1,800.00	$3,191.44	$384.50	-$1,391.44	177.30%
Active	R 602-3810-3811 WATER CHARGES	$162,000.00	$135,815.38	$9,569.97	$26,184.62	83.84%
Active	R 602-3810-3812 WATER INTEREST	$1,400.00	$0.00	$0.00	$1,400.00	0.00%
Active	R 602-3810-3813 WATER DEPOSITS	$1,500.00	$3,900.00	$100.00	-$2,400.00	260.00%
Active	R 602-3810-3814 WATER HOOK-UP	$300.00	$0.00	$0.00	$300.00	0.00%
Active	R 602-3810-3815 BULK WATER SAL	$1,800.00	$567.98	$28.00	$1,232.02	31.55%
Active	R 602-3810-3816 UNDISTIBUTED UTI	$100.00	$760.01	$402.51	-$660.01	760.01%
Active	R 602-3810-3819 WATER IMPROVE	$23,000.00	$22,902.44	$1,842.18	$97.56	99.58%
Active	R 602-3810-3910 OTHER FINANCING	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3911 OPERATING TRAN	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3914 LOAN PROCEEDS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3916 WATER PRJ LOAN	$0.00	$0.00	$0.00	$0.00	0.00%
	Total WATER FUND	$192,900.00	$167,237.25	$12,327.16	$25,662.75	86.70%
SEWER FUND						
Active	R 604-3830-3340 STATE GRANTS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3612 CHECKING ACCOU	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3613 CAPITAL REPLACE	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3690 MISCELLANEOUS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3812 WATER INTEREST	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3831 SEWER CHARGES	$80,000.00	$66,103.05	$5,013.34	$13,896.95	82.63%
Active	R 604-3830-3833 RECONNECT FEES	$200.00	$0.00	$0.00	$200.00	0.00%
Active	R 604-3830-3834 SEWER LATE CHA	$1,800.00	$3,202.55	$387.31	-$1,402.55	177.92%
Active	R 604-3830-3835 STATE WASTEWA	$1,800.00	$1,581.31	$127.93	$218.69	87.85%
Active	R 604-3830-3836 SEWER IMPROVE	$16,000.00	$27,118.52	$2,180.56	-$11,118.52	169.49%
Active	R 604-3830-3900 LAGOON-CD INTER	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3910 OTHER FINANCING	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3911 OPERATING TRAN	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3914 LOAN PROCEEDS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3917 SEWER LOAN PRO	$0.00	$0.00	$0.00	$0.00	0.00%
	Total SEWER FUND	$99,800.00	$98,005.43	$7,709.14	$1,794.57	98.20%
HOUSING AND REDEVEL COMMISSION						
Active	R 752-4630-3601 RENTAL DEPOSIT -	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 752-4630-3612 CHECKING ACCOU	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 752-4630-3623 HRC RENT	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 752-4630-3690 MISCELLANEOUS	$0.00	$0.00	$0.00	$0.00	0.00%
Total HOUSING AND REDEVEL COMMISSION		$0.00	$0.00	$0.00	$0.00	0.00%
T&A SPECIAL ASSESSMENT 2003						
Active	R 801-7700-3633 PRINCIPAL COLLE	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 801-7700-3634 INTEREST COLLEC	$0.00	$0.00	$0.00	$0.00	0.00%
Total T&A SPECIAL ASSESSMENT 2003		$0.00	$0.00	$0.00	$0.00	0.00%
CAPITAL ASSETS						
Active	R 900-3910-3692 DISPOSAL OF EQU	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 900-3910-3913 SALE OF CAPITAL	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 900-3910-4550 CAPITAL ASSETS I	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 900-3910-4554 LIBRARY REVENU	$0.00	$0.00	$0.00	$0.00	0.00%
	Total CAPITAL ASSETS	$0.00	$0.00	$0.00	$0.00	0.00%

VIBORG, SD
*Expenditure Guideline by Dept

Current Period: DECEMBER 2015

		2015 YTD Budget	2015 YTD Amt	DECEMBER MTD Amt	Enc Current	2015 YTD Balance	% of YTD Budget
Active	E 101-4560-4250 BLDG. REPAIRS	$9,400.00	$9,386.51	$818.54	$0.00	$13.49	99.86%
Active	E 101-4560-4259 TELEPHONE	$300.00	$297.86	$27.32	$0.00	$2.14	99.29%
Active	E 101-4560-4262 SUPPLIES	$1,500.00	$910.44	$2.99	$0.00	$589.56	60.70%
Active	E 101-4560-4280 UTILITIES	$5,500.00	$2,501.23	$990.22	$0.00	$2,998.77	45.48%
Active	E 101-4560-4390 CAPITAL REPLA	$4,100.00	$6,947.86	$0.00	$0.00	-$2,847.86	169.46%
COMM CNT		$20,800.00	$20,043.90	$1,839.07	$0.00	$756.10	96.36%
	Total COMMUNITY CENTE	$20,800.00	$20,043.90	$1,839.07	$0.00	$756.10	96.36%
MUSEUM							
Active	E 101-4580-4651 SUBSIDIZE PUB	$1,000.00	$1,000.00	$0.00	$0.00	$0.00	100.00%
MUSEUM		$1,000.00	$1,000.00	$0.00	$0.00	$0.00	100.00%
	Total MUSEU	$1,000.00	$1,000.00	$0.00	$0.00	$0.00	100.00%
VIBORG DEVELOPMENT CORP.							
Active	E 101-4650-4650 ECONOMIC DEV	$51,200.00	$51,200.00	$14,000.00	$0.00	$0.00	100.00%
ECON DEV		$51,200.00	$51,200.00	$14,000.00	$0.00	$0.00	100.00%
	Total VIBORG DEVELOPMENT CORF	$51,200.00	$51,200.00	$14,000.00	$0.00	$0.00	100.00%
LIQUOR							
Active	E 101-4990-4290 DUES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 101-4990-4551 LIQUOR LICENS	$700.00	$700.00	$0.00	$0.00	$0.00	100.00%
Active	E 101-4990-4552 LIQUOR INVOIC	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
LIQUOR		$700.00	$700.00	$0.00	$0.00	$0.00	100.00%
	Total LIQUOI	$700.00	$700.00	$0.00	$0.00	$0.00	100.00%
CONTINGENCY							
Active	E 101-8000-9000 CONTINGENCY	$4,300.00	$0.00	$0.00	$0.00	$4,300.00	0.00%
CONTING		$4,300.00	$0.00	$0.00	$0.00	$4,300.00	0.00%
	Total CONTINGENC	$4,300.00	$0.00	$0.00	$0.00	$4,300.00	0.00%
	Total GENERAL FUND	$599,201.32	$504,160.71	$55,322.06	$0.00	$95,040.61	84.14%
SPECIAL REV. - GROSS RCPTS TAX							
COMMUNITY CENTER							
Active	E 211-4560-4280 UTILITIES	$9,000.00	$9,000.00	$0.00	$0.00	$0.00	100.00%
COMM CNT		$9,000.00	$9,000.00	$0.00	$0.00	$0.00	100.00%
	Total COMMUNITY CENTE	$9,000.00	$9,000.00	$0.00	$0.00	$0.00	100.00%
Total SPECIAL REV. - GROSS RCPTS TAX		$9,000.00	$9,000.00	$0.00	$0.00	$0.00	100.00%
WATER FUND							
DEBT SERVICE							
Active	E 602-4700-4400 PRINCIPAL PAY	$4,474.75	$4,474.75	$0.00	$0.00	$0.00	100.00%
Active	E 602-4700-4410 INTEREST PAY	$2,650.93	$2,650.93	$0.00	$0.00	$0.00	100.00%
Active	E 602-4700-4420 TM RR WTR PR	$12,197.40	$12,197.40	$2,032.90	$0.00	$0.00	100.00%
Active	E 602-4700-4440 WTR IMPROVE	$2,596.44	$2,596.44	$0.00	$0.00	$0.00	100.00%
Active	E 602-4700-4450 WTR IMPROVE	$3,332.00	$3,332.00	$0.00	$0.00	$0.00	100.00%
Active	E 602-4700-4490 ADMINISTRATIV	$705.00	$0.00	$0.00	$0.00	$705.00	0.00%
DEBT SVC		$25,956.52	$25,251.52	$2,032.90	$0.00	$705.00	97.28%
	Total DEBT SERVIC	$25,956.52	$25,251.52	$2,032.90	$0.00	$705.00	97.28%
WATER OPERATIONS							
Active	E 602-9400-4110 SALARIES	$27,800.00	$26,256.20	$2,215.95	$0.00	$1,543.80	94.45%
Active	E 602-9400-4113 EMPLOYEE INS	$8,350.00	$7,256.21	$620.15	$0.00	$1,093.79	86.90%
Active	E 602-9400-4120 FICA/OASI	$2,125.00	$1,870.09	$157.47	$0.00	$254.91	88.00%
Active	E 602-9400-4130 RETIREMENT	$1,670.00	$1,311.20	$112.37	$0.00	$358.80	78.51%
Active	E 602-9400-4191 OTHER COMPE	$300.00	$0.00	$0.00	$0.00	$300.00	0.00%
Active	E 602-9400-4220 PROFESSIONAL	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4221 PROF. ENGINEE	$0.00	$4,079.77	$0.00	$0.00	-$4,079.77	0.00%
Active	E 602-9400-4222 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%

VIBORG, SD
*Expenditure Guideline by Dept

Current Period: DECEMBER 2015

		2015 YTD Budget	2015 YTD Amt	DECEMBER MTD Amt	Enc Current	2015 YTD Balance	% of YTD Budget
Active	E 602-9400-4223 CONTRACT SER	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4224 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4230 PRINTING & PU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4231 IMP PROJ PUBLI	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4260 REPAIRS	$5,000.00	$625.89	$564.06	$0.00	$4,374.11	12.52%
Active	E 602-9400-4262 SUPPLIES	$5,000.00	$5,495.88	$717.55	$0.00	-$495.88	109.92%
Active	E 602-9400-4270 TRAVEL,CONVE	$500.00	$0.00	$0.00	$0.00	$500.00	0.00%
Active	E 602-9400-4280 UTILITIES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4290 DUES	$750.00	$1,011.00	$6.00	$0.00	-$261.00	134.80%
Active	E 602-9400-4390 CAPITAL REPLA	$15,000.00	$6,056.14	$1,389.47	$0.00	$8,943.86	40.37%
Active	E 602-9400-4391 COMPUTER, SO	$1,500.00	$2,045.00	$0.00	$0.00	-$545.00	136.33%
Active	E 602-9400-4397 IMP PROJ CAPIT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4400 PRINCIPAL PAY	$17,968.03	$17,968.03	$17,968.03	$0.00	$0.00	100.00%
Active	E 602-9400-4410 INTEREST PAY	$4,952.27	$4,952.27	$4,952.27	$0.00	$0.00	100.00%
Active	E 602-9400-4510 EWIP BOND HO	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4546 REFUNDS ON D	$1,000.00	$2,150.00	$100.00	$0.00	-$1,150.00	215.00%
Active	E 602-9400-4547 SURVEYS	$1,000.00	$0.00	$0.00	$0.00	$1,000.00	0.00%
Active	E 602-9400-4554 MISCELLANEOU	$500.00	$948.70	$163.53	$0.00	-$448.70	189.74%
Active	E 602-9400-4560 TRANSFER OUT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4590 DEMOLITION CO	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-5110 OPERATING TR	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-8000 TM WATER PAY	$67,928.18	$63,861.00	$5,112.35	$0.00	$4,067.18	94.01%
Active	E 602-9400-8120 POWER & PUMP	$1,400.00	$1,278.42	$116.47	$0.00	$121.58	91.32%
Active	E 602-9400-8130 PURIFICATION	$700.00	$1,137.00	$385.00	$0.00	-$437.00	162.43%
Active	E 602-9400-8140 DISTRIBUTION	$3,500.00	$2,453.39	$1,135.16	$0.00	$1,046.61	70.10%
WATER OP		$166,943.48	$150,756.19	$35,715.83	$0.00	$16,187.29	90.30%
	Total WATER OPERATION	$166,943.48	$150,756.19	$35,715.83	$0.00	$16,187.29	90.30%
	Total WATER FUND	$192,900.00	$176,007.71	$37,748.73	$0.00	$16,892.29	91.24%
SEWER FUND							
DEBT SERVICE							
Active	E 604-4700-4460 SWR IMPROVE	$8,487.75	$8,487.75	$0.00	$0.00	$0.00	100.00%
Active	E 604-4700-4470 SWR IMPROVE	$12,435.49	$12,435.49	$0.00	$0.00	$0.00	100.00%
DEBT SVC		$20,923.24	$20,923.24	$0.00	$0.00	$0.00	100.00%
	Total DEBT SERVIC	$20,923.24	$20,923.24	$0.00	$0.00	$0.00	100.00%
SEWER OPERATIONS							
Active	E 604-9500-4110 SALARIES	$28,600.00	$26,238.58	$2,217.31	$0.00	$2,361.42	91.74%
Active	E 604-9500-4113 EMPLOYEE INS	$8,350.00	$7,255.66	$620.65	$0.00	$1,094.34	86.89%
Active	E 604-9500-4120 FICA/OASI	$2,190.00	$1,868.20	$157.52	$0.00	$321.80	85.31%
Active	E 604-9500-4130 RETIREMENT	$1,716.00	$1,310.02	$112.37	$0.00	$405.98	76.34%
Active	E 604-9500-4191 OTHER COMPE	$300.00	$0.00	$0.00	$0.00	$300.00	0.00%
Active	E 604-9500-4221 PROF. ENGINEE	$3,000.00	$3,000.00	$0.00	$0.00	$0.00	100.00%
Active	E 604-9500-4222 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4224 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4231 IMP PROJ PUBLI	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4260 REPAIRS	$6,000.00	$4,549.74	$1,530.00	$0.00	$1,450.26	75.83%
Active	E 604-9500-4262 SUPPLIES	$1,000.00	$2,059.07	$159.85	$0.00	-$1,059.07	205.91%
Active	E 604-9500-4270 TRAVEL,CONVE	$300.00	$0.00	$0.00	$0.00	$300.00	0.00%
Active	E 604-9500-4290 DUES	$800.00	$772.00	$22.00	$0.00	$28.00	96.50%
Active	E 604-9500-4390 CAPITAL REPLA	$10,000.00	$4,666.67	$0.00	$0.00	$5,333.33	46.67%
Active	E 604-9500-4391 COMPUTER, SO	$1,000.00	$895.00	$0.00	$0.00	$105.00	89.50%

VIBORG, SD
*Expenditure Guideline by Dept

Current Period: DECEMBER 2015

		2015 YTD Budget	2015 YTD Amt	DECEMBER MTD Amt	Enc Current	2015 YTD Balance	% of YTD Budget
Active	E 604-9500-4392 LAGOON IMPRO	$7,062.35	$3,132.14	$0.00	$0.00	$3,930.21	44.35%
Active	E 604-9500-4397 IMP PROJ CAPIT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4400 PRINCIPAL PAY	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4410 INTEREST PAY	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4547 SURVEYS	$4,000.00	$275.51	$275.51	$0.00	$3,724.49	6.89%
Active	E 604-9500-4554 MISCELLANEOU	$4,558.41	$1,732.03	$18.29	$0.00	$2,826.38	38.00%
Active	E 604-9500-4560 TRANSFER OUT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-5110 OPERATING TR	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-8120 POWER & PUMP	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
SEWER OP		$78,876.76	$57,754.62	$5,113.50	$0.00	$21,122.14	73.22%
	Total SEWER OPERATION	$78,876.76	$57,754.62	$5,113.50	$0.00	$21,122.14	73.22%
	Total SEWER FUND	$99,800.00	$78,677.86	$5,113.50	$0.00	$21,122.14	78.84%
HOUSING AND REDEVEL COMMISSION							
HOUSING AND REDEVEL COMMISSION							
Active	E 752-4630-4223 CONTRACT SER	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4230 PRINTING & PU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4250 BLDG. REPAIRS	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4251 BUILDING INSU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4280 UTILITIES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4294 OTHER - REV IN	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4295 OTHER - FRONT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4546 REFUNDS ON D	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4554 MISCELLANEOU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4560 TRANSFER OUT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4713 BOND PRINCIPA	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4723 BOND INTERES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
HRC		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Total HOUSING AND REDEVEL COMMISSIOI		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Total HOUSING AND REDEVEL COMMISSION		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
T&A SPECIAL ASSESSMENT 2003							
T&A SPECIAL ASSMT 2003							
Active	E 801-7700-4713 BOND PRINCIPA	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 801-7700-4723 BOND INTERES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
SP AS 03		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total T&A SPECIAL ASSMT 200	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total T&A SPECIAL ASSESSMENT 2003	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
CAPITAL ASSETS							
GENERAL GOVERNMENT (FO)							
Active	E 900-4100-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
GG (FO)		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total GENERAL GOVERNMENT (FC	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBLIC SAFETY							
Active	E 900-4200-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBL SAF		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total PUBLIC SAFET	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBLIC WORKS (POL/FIRE)							
Active	E 900-4300-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBWRKS		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total PUBLIC WORKS (POL/FIRE	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
CULTURE / REC							

VIBORG, SD
*Revenue Guideline©

Current Period: MARCH 2016

		2016 YTD Budget	2016 YTD Amt	MARCH MTD Amt	2016 YTD Balance	% of YTD Budget
Total SPECIAL REV. - GROSS RCPTS TAX		$9,500.00	$1,453.56	$0.00	$8,046.44	15.30%
WATER FUND						
Active	R 602-3810-3340 STATE GRANTS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3615 WATERWORKS RE	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3690 MISCELLANEOUS	$1,000.00	$0.00	$0.00	$1,000.00	0.00%
Active	R 602-3810-3810 PAST DUE WATER	$1,800.00	$409.26	$0.00	$1,390.74	22.74%
Active	R 602-3810-3811 WATER CHARGES	$161,000.00	$22,056.22	$0.00	$138,943.78	13.70%
Active	R 602-3810-3812 WATER INTEREST	$500.00	$0.00	$0.00	$500.00	0.00%
Active	R 602-3810-3813 WATER DEPOSITS	$3,000.00	$300.00	$0.00	$2,700.00	10.00%
Active	R 602-3810-3814 WATER HOOK-UP	$300.00	$0.00	$0.00	$300.00	0.00%
Active	R 602-3810-3815 BULK WATER SAL	$1,000.00	$46.50	$0.00	$953.50	4.65%
Active	R 602-3810-3816 UNDISTIBUTED UTI	$100.00	-$88.76	$0.00	$188.76	-88.76%
Active	R 602-3810-3819 WATER IMPROVE	$24,000.00	$4,001.98	$0.00	$19,998.02	16.67%
Active	R 602-3810-3910 OTHER FINANCING	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3911 OPERATING TRAN	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3914 LOAN PROCEEDS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 602-3810-3916 WATER PRJ LOAN	$0.00	$0.00	$0.00	$0.00	0.00%
	Total WATER FUND	$192,700.00	$26,725.20	$0.00	$165,974.80	13.87%
SEWER FUND						
Active	R 604-3830-3340 STATE GRANTS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3612 CHECKING ACCOU	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3613 CAPITAL REPLACE	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3690 MISCELLANEOUS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3812 WATER INTEREST	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3831 SEWER CHARGES	$80,000.00	$11,379.45	$0.00	$68,620.55	14.22%
Active	R 604-3830-3833 RECONNECT FEES	$200.00	$0.00	$0.00	$200.00	0.00%
Active	R 604-3830-3834 SEWER LATE CHA	$2,900.00	$409.25	$0.00	$2,490.75	14.11%
Active	R 604-3830-3835 STATE WASTEWA	$1,800.00	$274.92	$0.00	$1,525.08	15.27%
Active	R 604-3830-3836 SEWER IMPROVE	$28,000.00	$4,742.50	$0.00	$23,257.50	16.94%
Active	R 604-3830-3900 LAGOON-CD INTER	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3910 OTHER FINANCING	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3911 OPERATING TRAN	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3914 LOAN PROCEEDS	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 604-3830-3917 SEWER LOAN PRO	$0.00	$0.00	$0.00	$0.00	0.00%
	Total SEWER FUND	$112,900.00	$16,806.12	$0.00	$96,093.88	14.89%
HOUSING AND REDEVEL COMMISSION						
Active	R 752-4630-3601 RENTAL DEPOSIT -	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 752-4630-3612 CHECKING ACCOU	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 752-4630-3623 HRC RENT	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 752-4630-3690 MISCELLANEOUS	$0.00	$0.00	$0.00	$0.00	0.00%
Total HOUSING AND REDEVEL COMMISSION		$0.00	$0.00	$0.00	$0.00	0.00%
T&A SPECIAL ASSESSMENT 2003						
Active	R 801-7700-3633 PRINCIPAL COLLE	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 801-7700-3634 INTEREST COLLEC	$0.00	$0.00	$0.00	$0.00	0.00%
Total T&A SPECIAL ASSESSMENT 2003		$0.00	$0.00	$0.00	$0.00	0.00%
CAPITAL ASSETS						
Active	R 900-3910-3692 DISPOSAL OF EQU	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 900-3910-3913 SALE OF CAPITAL	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 900-3910-4550 CAPITAL ASSETS I	$0.00	$0.00	$0.00	$0.00	0.00%
Active	R 900-3910-4554 LIBRARY REVENU	$0.00	$0.00	$0.00	$0.00	0.00%
	Total CAPITAL ASSETS	$0.00	$0.00	$0.00	$0.00	0.00%

VIBORG, SD
*Expenditure Guideline by Dept

Current Period: MARCH 2016

		2016 YTD Budget	2016 YTD Amt	MARCH MTD Amt	Enc Current	2016 YTD Balance	% of YTD Budget
Active	E 101-4560-4250 BLDG. REPAIRS	$9,000.00	$3,436.02	$1,846.04	$0.00	$5,563.98	38.18%
Active	E 101-4560-4259 TELEPHONE	$350.00	$54.90	$27.45	$0.00	$295.10	15.69%
Active	E 101-4560-4262 SUPPLIES	$1,500.00	$562.41	$0.00	$0.00	$937.59	37.49%
Active	E 101-4560-4280 UTILITIES	$5,500.00	$375.00	$0.00	$0.00	$5,125.00	6.82%
Active	E 101-4560-4390 CAPITAL REPLA	$2,000.00	$0.00	$0.00	$0.00	$2,000.00	0.00%
COMM CNT		$18,350.00	$4,428.33	$1,873.49	$0.00	$13,921.67	24.13%
	Total COMMUNITY CENTEI	$18,350.00	$4,428.33	$1,873.49	$0.00	$13,921.67	24.13%
MUSEUM							
Active	E 101-4580-4651 SUBSIDIZE PUB	$1,000.00	$1,000.00	$0.00	$0.00	$0.00	100.00%
MUSEUM		$1,000.00	$1,000.00	$0.00	$0.00	$0.00	100.00%
	Total MUSEUI	$1,000.00	$1,000.00	$0.00	$0.00	$0.00	100.00%
VIBORG DEVELOPMENT CORP.							
Active	E 101-4650-4650 ECONOMIC DEV	$50,000.00	$0.00	$0.00	$0.00	$50,000.00	0.00%
ECON DEV		$50,000.00	$0.00	$0.00	$0.00	$50,000.00	0.00%
	Total VIBORG DEVELOPMENT CORF	$50,000.00	$0.00	$0.00	$0.00	$50,000.00	0.00%
LIQUOR							
Active	E 101-4990-4290 DUES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 101-4990-4551 LIQUOR LICENS	$700.00	$75.00	$0.00	$0.00	$625.00	10.71%
Active	E 101-4990-4552 LIQUOR INVOIC	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
LIQUOR		$700.00	$75.00	$0.00	$0.00	$625.00	10.71%
	Total LIQUOI	$700.00	$75.00	$0.00	$0.00	$625.00	10.71%
CONTINGENCY							
Active	E 101-8000-9000 CONTINGENCY	$10,000.00	$0.00	$0.00	$0.00	$10,000.00	0.00%
CONTING		$10,000.00	$0.00	$0.00	$0.00	$10,000.00	0.00%
	Total CONTINGENC	$10,000.00	$0.00	$0.00	$0.00	$10,000.00	0.00%
	Total GENERAL FUND	$598,618.28	$58,775.78	$8,354.49	$0.00	$539,842.50	9.82%
SPECIAL REV. - GROSS RCPTS TAX							
COMMUNITY CENTER							
Active	E 211-4560-4280 UTILITIES	$9,500.00	$3,395.55	$1,390.21	$0.00	$6,104.45	35.74%
COMM CNT		$9,500.00	$3,395.55	$1,390.21	$0.00	$6,104.45	35.74%
	Total COMMUNITY CENTEI	$9,500.00	$3,395.55	$1,390.21	$0.00	$6,104.45	35.74%
Total SPECIAL REV. - GROSS RCPTS TAX		$9,500.00	$3,395.55	$1,390.21	$0.00	$6,104.45	35.74%
WATER FUND							
DEBT SERVICE							
Active	E 602-4700-4400 PRINCIPAL PAY	$4,621.95	$1,141.50	$0.00	$0.00	$3,480.45	24.70%
Active	E 602-4700-4410 INTEREST PAY	$2,503.73	$639.92	$0.00	$0.00	$1,863.81	25.56%
Active	E 602-4700-4420 TM RR WTR PR	$12,197.40	$2,032.90	$1,016.45	$0.00	$10,164.50	16.67%
Active	E 602-4700-4440 WTR IMPROVE	$2,675.21	$661.32	$0.00	$0.00	$2,013.89	24.72%
Active	E 602-4700-4450 WTR IMPROVE	$3,253.23	$820.79	$0.00	$0.00	$2,432.44	25.23%
Active	E 602-4700-4490 ADMINISTRATIV	$705.00	$0.00	$0.00	$0.00	$705.00	0.00%
DEBT SVC		$25,956.52	$5,296.43	$1,016.45	$0.00	$20,660.09	20.41%
	Total DEBT SERVIC	$25,956.52	$5,296.43	$1,016.45	$0.00	$20,660.09	20.41%
WATER OPERATIONS							
Active	E 602-9400-4110 SALARIES	$28,000.00	$5,110.68	$0.00	$0.00	$22,889.32	18.25%
Active	E 602-9400-4113 EMPLOYEE INS	$8,400.00	$1,240.28	$0.00	$0.00	$7,159.72	14.77%
Active	E 602-9400-4120 FICA/OASI	$2,190.00	$366.85	$0.00	$0.00	$1,823.15	16.75%
Active	E 602-9400-4130 RETIREMENT	$1,720.00	$276.12	$0.00	$0.00	$1,443.88	16.05%
Active	E 602-9400-4191 OTHER COMPE	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4220 PROFESSIONAL	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4221 PROF. ENGINEE	$0.00	$2,232.88	$0.00	$0.00	-$2,232.88	0.00%
Active	E 602-9400-4222 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%

VIBORG, SD
*Expenditure Guideline by Dept

Current Period: MARCH 2016

		2016 YTD Budget	2016 YTD Amt	MARCH MTD Amt	Enc Current	2016 YTD Balance	% of YTD Budget
Active	E 602-9400-4223 CONTRACT SER	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4224 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4230 PRINTING & PU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4231 IMP PROJ PUBLI	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4260 REPAIRS	$2,500.00	$212.64	$0.00	$0.00	$2,287.36	8.51%
Active	E 602-9400-4262 SUPPLIES	$2,713.48	$179.30	$8.97	$0.00	$2,534.18	6.61%
Active	E 602-9400-4270 TRAVEL,CONVE	$500.00	$0.00	$0.00	$0.00	$500.00	0.00%
Active	E 602-9400-4280 UTILITIES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4290 DUES	$1,000.00	$705.00	$0.00	$0.00	$295.00	70.50%
Active	E 602-9400-4390 CAPITAL REPLA	$15,000.00	$2,656.36	$2,656.36	$0.00	$12,343.64	17.71%
Active	E 602-9400-4391 COMPUTER, SO	$2,100.00	$795.00	$795.00	$0.00	$1,305.00	37.86%
Active	E 602-9400-4397 IMP PROJ CAPIT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4400 PRINCIPAL PAY	$18,500.00	$0.00	$0.00	$0.00	$18,500.00	0.00%
Active	E 602-9400-4410 INTEREST PAY	$4,420.00	$0.00	$0.00	$0.00	$4,420.00	0.00%
Active	E 602-9400-4510 EWIP BOND HO	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4546 REFUNDS ON D	$1,500.00	$0.00	$0.00	$0.00	$1,500.00	0.00%
Active	E 602-9400-4547 SURVEYS	$1,000.00	$0.00	$0.00	$0.00	$1,000.00	0.00%
Active	E 602-9400-4554 MISCELLANEOU	$1,000.00	$88.54	$38.22	$0.00	$911.46	8.85%
Active	E 602-9400-4560 TRANSFER OUT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-4590 DEMOLITION CO	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-5110 OPERATING TR	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 602-9400-8000 TM WATER PAY	$72,000.00	$9,345.60	$0.00	$0.00	$62,654.40	12.98%
Active	E 602-9400-8120 POWER & PUMP	$2,000.00	$680.64	$236.53	$0.00	$1,319.36	34.03%
Active	E 602-9400-8130 PURIFICATION	$700.00	$86.00	$0.00	$0.00	$614.00	12.29%
Active	E 602-9400-8140 DISTRIBUTION	$1,500.00	$0.00	$0.00	$0.00	$1,500.00	0.00%
WATER OP		$166,743.48	$23,975.89	$3,735.08	$0.00	$142,767.59	14.38%
	Total WATER OPERATION:	$166,743.48	$23,975.89	$3,735.08	$0.00	$142,767.59	14.38%
	Total WATER FUND	$192,700.00	$29,272.32	$4,751.53	$0.00	$163,427.68	15.19%
SEWER FUND							
DEBT SERVICE							
Active	E 604-4700-4460 SWR IMPROVE	$8,766.99	$2,165.22	$0.00	$0.00	$6,601.77	24.70%
Active	E 604-4700-4470 SWR IMPROVE	$12,156.25	$3,065.59	$0.00	$0.00	$9,090.66	25.22%
DEBT SVC		$20,923.24	$5,230.81	$0.00	$0.00	$15,692.43	25.00%
	Total DEBT SERVIC	$20,923.24	$5,230.81	$0.00	$0.00	$15,692.43	25.00%
SEWER OPERATIONS							
Active	E 604-9500-4110 SALARIES	$29,600.00	$5,110.89	$0.00	$0.00	$24,489.11	17.27%
Active	E 604-9500-4113 EMPLOYEE INS	$8,600.00	$1,241.83	$0.00	$0.00	$7,358.17	14.44%
Active	E 604-9500-4120 FICA/OASI	$2,300.00	$366.72	$0.00	$0.00	$1,933.28	15.94%
Active	E 604-9500-4130 RETIREMENT	$1,775.00	$276.13	$0.00	$0.00	$1,498.87	15.56%
Active	E 604-9500-4191 OTHER COMPE	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4221 PROF. ENGINEE	$4,000.00	$3,928.12	$0.00	$0.00	$71.88	98.20%
Active	E 604-9500-4222 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4224 IMP PROJ PROF	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4231 IMP PROJ PUBLI	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4260 REPAIRS	$9,500.00	$0.00	$0.00	$0.00	$9,500.00	0.00%
Active	E 604-9500-4262 SUPPLIES	$3,000.00	$0.00	$0.00	$0.00	$3,000.00	0.00%
Active	E 604-9500-4270 TRAVEL,CONVE	$300.00	$0.00	$0.00	$0.00	$300.00	0.00%
Active	E 604-9500-4290 DUES	$800.00	$750.00	$0.00	$0.00	$50.00	93.75%
Active	E 604-9500-4390 CAPITAL REPLA	$10,000.00	$0.00	$0.00	$0.00	$10,000.00	0.00%
Active	E 604-9500-4391 COMPUTER, SO	$1,500.00	$795.00	$795.00	$0.00	$705.00	53.00%

VIBORG, SD
*Expenditure Guideline by Dept

Current Period: MARCH 2016

		2016 YTD Budget	2016 YTD Amt	MARCH MTD Amt	Enc Current	2016 YTD Balance	% of YTD Budget
Active	E 604-9500-4392 LAGOON IMPRO	$12,601.76	$0.00	$0.00	$0.00	$12,601.76	0.00%
Active	E 604-9500-4397 IMP PROJ CAPIT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4400 PRINCIPAL PAY	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4410 INTEREST PAY	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4547 SURVEYS	$4,000.00	$0.00	$0.00	$0.00	$4,000.00	0.00%
Active	E 604-9500-4554 MISCELLANEOU	$4,000.00	$0.00	$0.00	$0.00	$4,000.00	0.00%
Active	E 604-9500-4560 TRANSFER OUT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-5110 OPERATING TR	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 604-9500-8120 POWER & PUMP	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
SEWER OP		$91,976.76	$12,468.69	$795.00	$0.00	$79,508.07	13.56%
	Total SEWER OPERATION	$91,976.76	$12,468.69	$795.00	$0.00	$79,508.07	13.56%
	Total SEWER FUND	$112,900.00	$17,699.50	$795.00	$0.00	$95,200.50	15.68%
HOUSING AND REDEVEL COMMISSION							
HOUSING AND REDEVEL COMMISSION							
Active	E 752-4630-4223 CONTRACT SER	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4230 PRINTING & PU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4250 BLDG. REPAIRS	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4251 BUILDING INSU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4280 UTILITIES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4294 OTHER - REV IN	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4295 OTHER - FRONT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4546 REFUNDS ON D	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4554 MISCELLANEOU	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4560 TRANSFER OUT	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4713 BOND PRINCIPA	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 752-4630-4723 BOND INTERES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
HRC		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Total HOUSING AND REDEVEL COMMISSIOI		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Total HOUSING AND REDEVEL COMMISSION		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
T&A SPECIAL ASSESSMENT 2003							
T&A SPECIAL ASSMT 2003							
Active	E 801-7700-4713 BOND PRINCIPA	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
Active	E 801-7700-4723 BOND INTERES	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
SP AS 03		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total T&A SPECIAL ASSMT 200	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total T&A SPECIAL ASSESSMENT 2003	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
CAPITAL ASSETS							
GENERAL GOVERNMENT (FO)							
Active	E 900-4100-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
GG (FO)		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total GENERAL GOVERNMENT (FC	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBLIC SAFETY							
Active	E 900-4200-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBL SAF		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total PUBLIC SAFET	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBLIC WORKS (POL/FIRE)							
Active	E 900-4300-4570 DEPRECIATION	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
PUBWRKS		$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
	Total PUBLIC WORKS (POL/FIRE	$0.00	$0.00	$0.00	$0.00	$0.00	0.00%
CULTURE / REC							

USER NAME PASSWORD

LOG IN

Forgot Username? Forgot Password?

Create an Account

Entity Dashboard

- Entity Overview
- Entity Record
  - Core Data
  - Assertions
  - Reps & Certs
  - POCs
- Reports
  - Service Contract Report
  - BioPreferred Report
- Exclusions
  - Active Exclusions
  - Inactive Exclusions
  - Excluded Family Members

RETURN TO SEARCH

VIBORG, CITY OF
DUNS: 179259197 CAGE Code: 69TD0
Status: Active

110 N MAIN ST
VIBORG, SD, 57070-0000 ,
UNITED STATES

Expiration Date: 04/06/2017
Purpose of Registration: Federal Assistance Awards Only

Entity Overview

Entity Information

Name: VIBORG, CITY OF
Doing Business As: VIBORG PUBLIC LIBRARY
Business Type: US Local Government
POC Name: CITY OF VIBORG
Registration Status: Active
Activation Date: 04/06/2016
Expiration Date: 04/06/2017

Exclusions

Active Exclusion Records? No

SAM | System for Award Management 1.0

IBM v1.P.46.20160226-1435

WWW1

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
:SS
COUNTY OF TURNER)

Allyson M. Hill, being first duly sworn, on oath says the VIBORG ENTERPRISE is a WEEKLY newspaper published in VIBORG in said county of TURNER, State of South Dakota; and that she is authorized to and does make this affidavit on behalf of said VIBORG ENTERPRISE; that affiant has personal knowledge of all facts stated in this affidavit; that said newspaper is a legal newspaper as defined by SDCL 17-2-2.1 through 17-2-2.4 inclusive as amended, has a bona fide circulation of at least two hundred copies WEEKLY, has been published in the English language within said county and has been admitted to the United States mail under the second class mailing privilege, for at last one year continuously next prior to the publication of the notice herein mentioned and was and is printed wholly or in part in an office maintained at said place of publication; that said notice, a printed copy of which taken from the paper in which the same was published is hereto attached and is made part of this affidavit, was published in said newspaper

1 time(s) as follows: that the first publication of said notice in said newspaper aforesaid was on Thursday the 25 day of February, 2016,

and that the succeeding publications were severally

on Thursday , the ____ day of _____ , 2016;

on Thursday , the ____ day of _____ , 2016;

on Thursday , the ____ day of _____ , 2016;

on Thursday , the ____ day of _____ , 2016;

Affiant further says that the full amount of the fees charged for the publication of said notice inures to the benefit of the publishers of said newspaper; that no agreement of understanding for the division thereof has been made with any other person, that no part therefore has been agreed to be paid to any person whomsoever; and that the fees charged for the publication thereof are:

DOLLARS ($ 25.20)

(x) Allyson M. Hill, Allyson M. Hill

Subscribed and sworn to before me this 26 day of February, 2016

Notary Public
My commission expires 11/14/2018.

SHANE HILL
SEAL NOTARY PUBLIC SOUTH DAKOTA SEAL

CITY OF VIBORG NOTICE OF PUBLIC HEARING

Notice is hereby given that the City of Viborg will hold a Public Hearing on Monday, March 7th, 2016, regarding drinking water and wastewater utility improvements in the City of Viborg. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for any loans. The public is invited to attend and comment on the project.

The City expects to submit an application to the State of South Dakota for a Community Development Block Grant (CDBG) to make improvements to its water distribution and sanitary sewer collection systems. The City expects to apply for approximately $515,000 of CDBG funds to be used for the proposed project, which will cost approximately $1,225,000 for both drinking water and wastewater improvements combined.

The City is seeking up to $606,000 of funding from the Board of Water and Natural Resources for the water distribution improvements portion of the project. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Funds (SRF) Program. The expected Drinking Water SRF loan terms are 0 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal.

The City is seeking up to $105,000 of funding from the Board of Water and Natural Resources for the sanitary sewer collection systems portion of the project. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Clean Water State Revolving Funds (SRF) Program. The expected Clean Water SRF loan terms are 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal.

Public comments will also be taken during this public hearing on the City of Viborg's community development and housing needs.

This public hearing will be held at the following time, date and location:

7:00 P.M.
March 7th, 2016
Viborg City Hall
(110 N. Main Street, Viborg, SD)

In compliance with the Americans with Disabilities Act (ADA), if you need special assistance to participate in this hearing, please contact the Viborg Finance Officer at (605) 326-5103. Anyone who is deaf, hard-of-hearing or speech-disabled may utilize Relay South Dakota at (800) 877-1113 (TTY/Voice). Notification 48 hours prior to the hearing will enable the City to make reasonable arrangements to ensure accessibility to this hearing.

Lori Jorgensen
Viborg Finance Officer
Published once at the approximate cost of $25.20

City of Viborg

Public Hearing For CDBG, DW-SRF & CW-SRF Applications
Viborg Water Distibution Replacement and Sanitary Sewer Collection Project
7:00 PM, Monday, March 7th, 2016
Viborg City Hall, 110 N. Main Street, Viborg, SD

Please sign in:

NAME	ADDRESS / REPRESENTING
Pat Carey	Ronner Associates, Inc.
Melissa Gibson	SECOG
[illegible]	Viborg
[illegible]	Viborg
Carole Miller	Viberg
JARED VOOG	Viborg
Steve a Benoit	Viborg
[illegible]	Viborg
[illegible]	Viborg
[illegible]	Viborg
Gary Ward	City Attorney – Viborg
Jody Nelsen	Viborg
Lori Jorgenson	City of Viborg – FO

OFFICIAL PROCEEDINGS

The Viborg City Council met in Regular Session on March 7, 2016 in City Hall.

Mayor Bendt called the meeting to order at 7:00 p.m. with the following Council present: Bobby Kolthoff, Jared Voog, Caralee Miller, Keith Bendert, Steven Peterson and Darren Duncan. Also present: Gary Ward, City Attorney; Lori Jorgensen, Finance Officer.

Also in attendance: Jody Nelsen, Maintenance Superintendent; Mike DeNeui, Chief of Police; Gary Bak; Pat Carey, Banner Associates, Inc.; and Melissa Gibson, SECOG.

Mayor Bendt led all in the pledge of allegiance.

Claims were reviewed by Council. Motion by Peterson, second by Voog to approve Claims. All in favor.

INSERT CLAIMS

Council reviewed minutes from Regular Session Council Meeting held February 8, 2016. Motion by Bendert, second by Duncan to approve same. Motion carried.

Mayor Bendt held the Public Hearing for CDBG, DW-SRF and CW-SRF applications for water distribution replacement and sanitary sewer collection projects. Melissa Gibson from SECOG presented information on costs of these projects. The City of Viborg is requesting up to $606,000 from the State Revolving Fund for water improvements. The loan would be for 30 years at 0%. The City is requesting up to $105,000 from the State Revolving Fund for sewer improvements. This loan would be for 30 years at 3.25%. The City is also requesting a CDBG is the amount of $515,000. Cast water line would be replaced on Agnes Street, Lincoln Avenue, and Maple Street. Old water lines for the water tower would be capped. Sewer improvements would be made on Agnes Street. Pat Carey from Banner Associates, Inc. provided maps and detailed information on each of these projects.

Motion by Peterson, second by Bendert to approve Resolution #2016-01 to authorize Mayor Bendt to execute the CDBG application for the City of Viborg. All in favor.

INSERT RESOLUTION #2016-01B

Motion by Bendert, second by Peterson to approve Resolution #2016-02 to designate Mayor Bendt the City's Project and Environmental Certifying Officer for the purpose of signing correspondence and other required documents and forms. All in favor.

INSERT RESOLUTION #2016-02

Motion by Miller, second by Bendert to approve Resolution #2016-03 to authorize the filing of a grant and/or loan application for the Sanitary Sewer Collection Improvements Project with the South Dakota Department of Environment and Natural Resources and authorize Mayor Bendt to act as Project Certifying Officer in connection with the applications, other required forms and to provide such additional information as maybe required by the S.D.D.E.N.R. All in favor.

INSERT RESOLUTION #2016-03

Motion by Kolthoff, second by Duncan to approve Resolution #2016-04 authorize the filing of a grant and/or loan application for the Water Distribution Improvements Project with the South Dakota Department of Environment and Natural Resources and authorize Mayor Bendt to act as Project Certifying Officer in connection with the applications, other required forms and to provide such additional information as maybe required by the S.D.D.E.N.R. All in favor.

INSERT RESOLUTION #2016-04

Mayor Bendt then held the Second Reading of Ordinance #2016-01 which changes Regular Session Meetings from the first Monday of the month to the second Monday of the month. Motion by Bendert, second by Peterson to approve same. Upon roll call vote, all Council voted in favor. Motion carried.

INSERT ORDINANCE #2016-01

Chief of Police DeNeui gave his report for the month of February. Motion by Miller, second by Peterson to increase salary for part-time police to $12.00 per hour for non-certified employees and $16.00 per hour for certified employees. Motion carried.

Maintenance Superintendent Nelsen gave his report for the month of February. Bids were reviewed and discussion was held regarding the purchase of a new lawn mower. Motion by Bendert, second by Miller to approve purchase of mower from Mark's Machinery. All in favor. Discussion was held regarding the purchase of a pump for the lagoon, fencing at the lagoon, street improvement projects for 2016, and temporary summer help.

Motion by Bendert, second by Voog to approve request by Dakota Ace Hardware to place their greenhouse in City Parking Lot. All in favor.

Motion by Peterson, second by Miller to approve increase of water account deposit from $100 to $150. All in favor.

Motion by Miller, second by Peterson to approve purchase of necessary software for auto read water meter system at time it is necessary. Motion carried.

Council was informed that the 2015 Drinking Water Report is available and will be printed in the Viborg Enterprise/Hurley Leader this month.

Motion by Bendert, second by Duncan to approve Election Board appointments: Caroline Ackerman (Superintendent), Shirley Kirgan and Carol Slack. Alternates are: Mariann Lee and Dawn Kludt. All in favor.

Motion by Peterson, second by Bendert to approve request for extension for 2015 annual report. Motion carried.

Motion by Voog, second by Duncan to approve request to blend and consume at Viborg Community Center on March 26, 2016. All in favor.

Discussion was held pertaining to allowing chickens to be kept within city limits. It was the consensus of the Council to not change ordinance to allow chickens within city limits at this time.

Motion by Peterson, second by Duncan to give Finance Office permission to apply water deposit to delinquent water account for customer no longer receiving water/sewer service from the City of Viborg. All in favor.

Motion by Bendert, second by Voog to give Finance Officer permission to travel to Finance Officer and Human Resource Officer School in Spearfish June 8 – 10. All in favor.

Security and camera systems for the Viborg Community Center were considered at this time to try to curtail vandalism that is occurring there. More research will be gathered and presented at the next Regular Session Council Meeting.

City Hall and Viborg Public Library will be closing at noon on March 25, 2016 in observance of Good Friday per personnel manual. The annual Equalization Meeting is scheduled for Monday, March 21, 2016 beginning at 7:00. The next Regular Session Council Meeting is scheduled for Monday, April 11, 2016 beginning at 7:00.

Motion by Kolthoff, second by Bendert to enter into Executive Session at 9:17 p.m. for the purpose of discussing personnel matters pursuant to SDCL1-25-2(1). All in favor.

Mayor Bendt declared end of Executive Session at 9:31 p.m.

Motion by Peterson, second by Voog to adjourn at 9:32 p.m. All in favor.

Lori L. Jorgensen
Lori Jorgensen, Finance Officer

Steven A Bendt
Steven Bendt, Mayor

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Engineering | Architecture | Surveying
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Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

September 29, 2015

RECEIVED
OCT 21 2015
Division of Financial
& Technical Assistance

South Dakota Department of Environment and Natural Resources
Water Resources Assistance Program
Attention: Mike Perkovich, Natural Resources Engineering Director
Joe Foss Building
523 East Capitol Avenue
Pierre, SD 57501-3182

Re: Environmental Review for Viborg Water Facility Plan Amendment
BAI. No. 22231.00.00

Dear Mr. Perkovich:

Please find enclosed, the Cultural Resources Effects Assessment Summary per the State Revolving Fund requirements. This summary sheet is being submitted to determine the effect the project may have on the cultural resources in the project area. A copy of the historic properties found in Turner County, South Dakota and maps of the project area are also included.

This is submitted for your review and approval as part of requirements for the State Revolving Fund Loan Application. Please let me know if there is any additional information that you may need to expedite your review of this document.

Once review comments are received from the SD Game, Fish and Parks and Wildlife Services, NRCS, and the US Army Corps, the facility plan will be completed and sent to you for final approval from DENR and SHPO. If you have any questions, please don't hesitate to call me at 605.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: 2 copies – Cultural Resources Effects Assessment Summary
2 copies – Alternative Two – Maps

6.12.3 CULTURAL RESOURCES EFFECTS ASSESSMENT SUMMARY

Applicant Town of Viborg Project Contact Mr. Steve Bendt
Address 101 N. Main Street / Viborg, SD 57070 Telephone Number 605-326-5103

Legal Location of Project Section 34 & 35 Range 35 West and Township 97 North

City Viborg County Turner Project No. BAI No. 22231.00.01

Project Description: The project consists of construction/ replacement of old aging water main mains throughout the City of Viborg. It is expected that the majority of the ground disturbance will be on previously disturbed soil located inside corporate limits.

For projects that involve new construction on vacant land please include information as to what previously occupied the site and whether that site has any known historic or archaeological significance.
N/A.

Please describe below or attach information supporting the determination of effect.
Currently there are three known historical properties on the National Register of Historic Places in or near Viborg: Daneville TownshipBirdge No. E-26, Glud Theater and Spring Valley Township Bridge No. E-31. A map of the project area with the proposed water improvements is attached to this document. This layout illustrates the proposed areas where ground disturbance will take place.

A map showing the project location is required. Drawings or photographs may also be helpful.

Please indicate the effect the project will have on cultural resources based on the review performed:

X No Historic Properties Affected: There are no historic properties present or the undertaking will not affect any properties eligible for or listed in the National Register of Historic Preservation.

_____ No Adverse Effect: This property is listed in or eligible for the National Register of Historic Places. This project will have no adverse effect upon the historic significance of the property because the proposed undertaking meets the Secretary of the Interior's Standards for the Treatment of Historic Properties.

_____ Adverse Effect: This property is listed in or eligible for eligible for the National Register of Historic Places. This project will have an adverse effect upon the historic significance of the property. (Attach proposed mitigation measures that may minimize the adverse effect.)

Prepared by: _____ Date 9/29/15

DETERMINATION OF EFFECTS

I have reviewed the project description and the information provided concerning historical and cultural effects of this project. Based on that review, the Department of Environment and Natural Resources concurs with the applicant's determination of the effects that the construction of this project will have on historical or cultural resources. Additionally, if historical or cultural resources are discovered during project construction, the contractor is required to cease construction and notify the State Historical Preservation Officer.

Approved by: _____ Date _____
SD Department of Environment and Natural Resources

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Consulting Engineers & Architects

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Brookings, South Dakota 57006
605-692-6342
www.bannerassociates.com

Designing Projects, Building Trust

CONSULTANTS:

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

PROJECT TITLE:

VIBORG WATER SYSTEM FACILITY PLAN

PROJECT LOCATION:

VIBORG
SOUTH DAKOTA

REV	DATE	DESCRIPTION

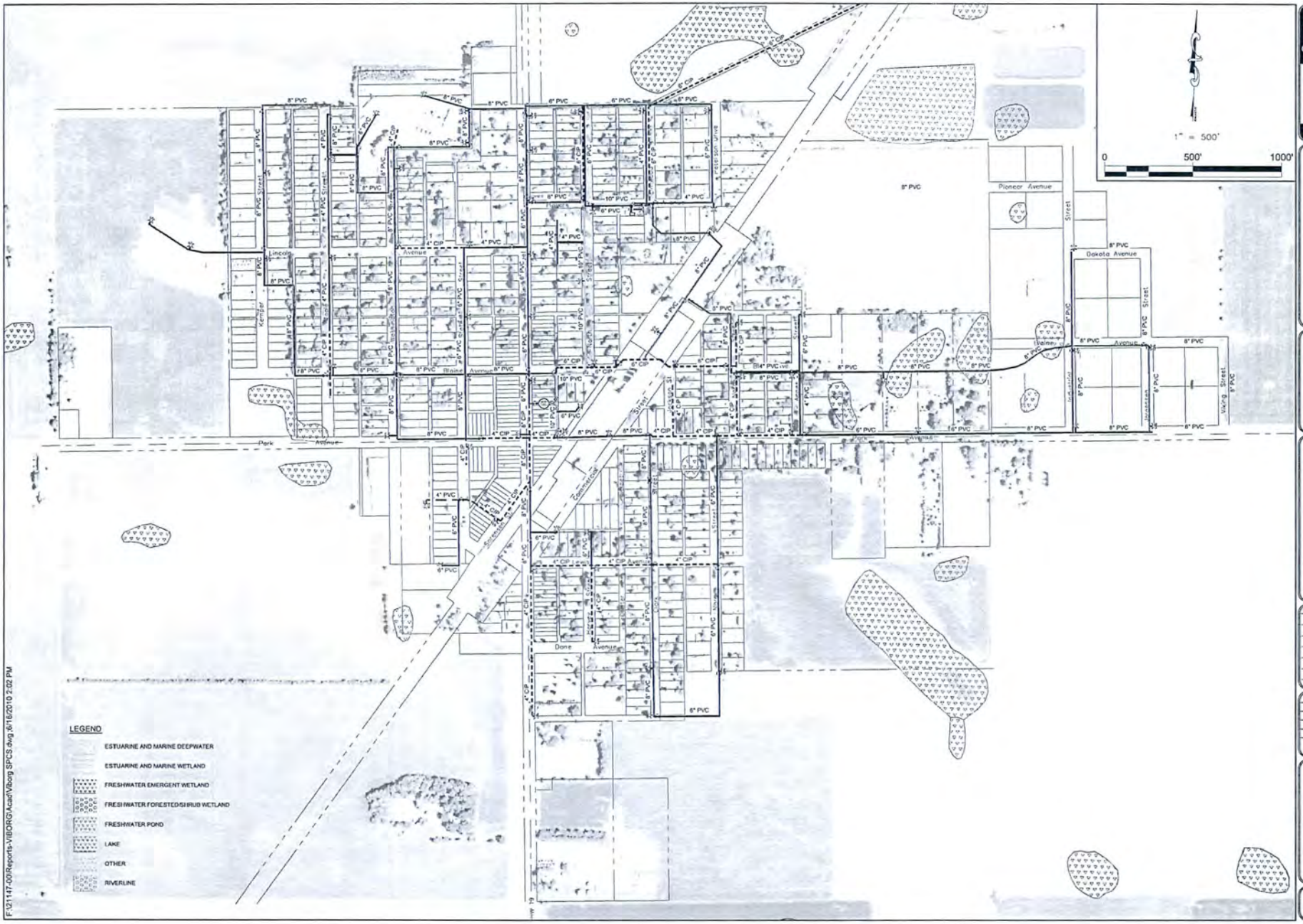
DRAWN BY: C.D.M.
DESIGNED BY: E.M.S.
CHECKED BY: E.M.S.
JOB NO: 21147.00.00
DATE: MARCH, 2010

SHEET TITLE:

NWI WETLAND MAP

FIGURE NO.:

Figure 2.1-2



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SHEET TITLE:

NWI WETLAND MAP

FIGURE NO.:
Figure 2.1-2

LEGEND:

- 6" PVC
- 8" PVC
- 8" PVC - PROPOSED
- 10" PVC
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE

GRID BEARING

60' 30' 0 60' 120'

HORIZONTAL DATUM:
- NAD 83
- PROJECTION: SOUTH DAKOTA STATE PLANE COORDINATES SOUTH ZONE (4002)

VERTICAL DATUM:
- NAVD 88
- GEOID 09

BASIS OF BEARING: GEODETIC NORTH

ALL DIMENSIONS SHOWN ARE IN TERMS OF U.S. SURVEY FEET

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PROJECT TITLE:

VIBOR WATER SYSTEM FACILITY PLAN AMENDMENT

PROJECT LOCATION:

VIBORG, SOUTH DAKOTA

REV	DATE	DESCRIPTION

DRAWN BY: NGE
DESIGNED BY: RSU
CHECKED BY: JHM
JOB NO: 22231.00.00
DATE: SEPTEMBER, 2015

SHEET TITLE:

MAPLE STREET ALTERNATIVE TWO - REPLACEMENT

FIGURE NO.: 6

LEGEND:

- 6" PVC
- 8" PVC
- 8" PVC - PROPOSED
- 10" PVC
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE

GRID BEARING

60' 30' 0 60' 120'

HORIZONTAL DATUM:
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VERTICAL DATUM:
- NAVD 88
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PROJECT LOCATION:

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REV	DATE	DESCRIPTION

DRAWN BY: NGE
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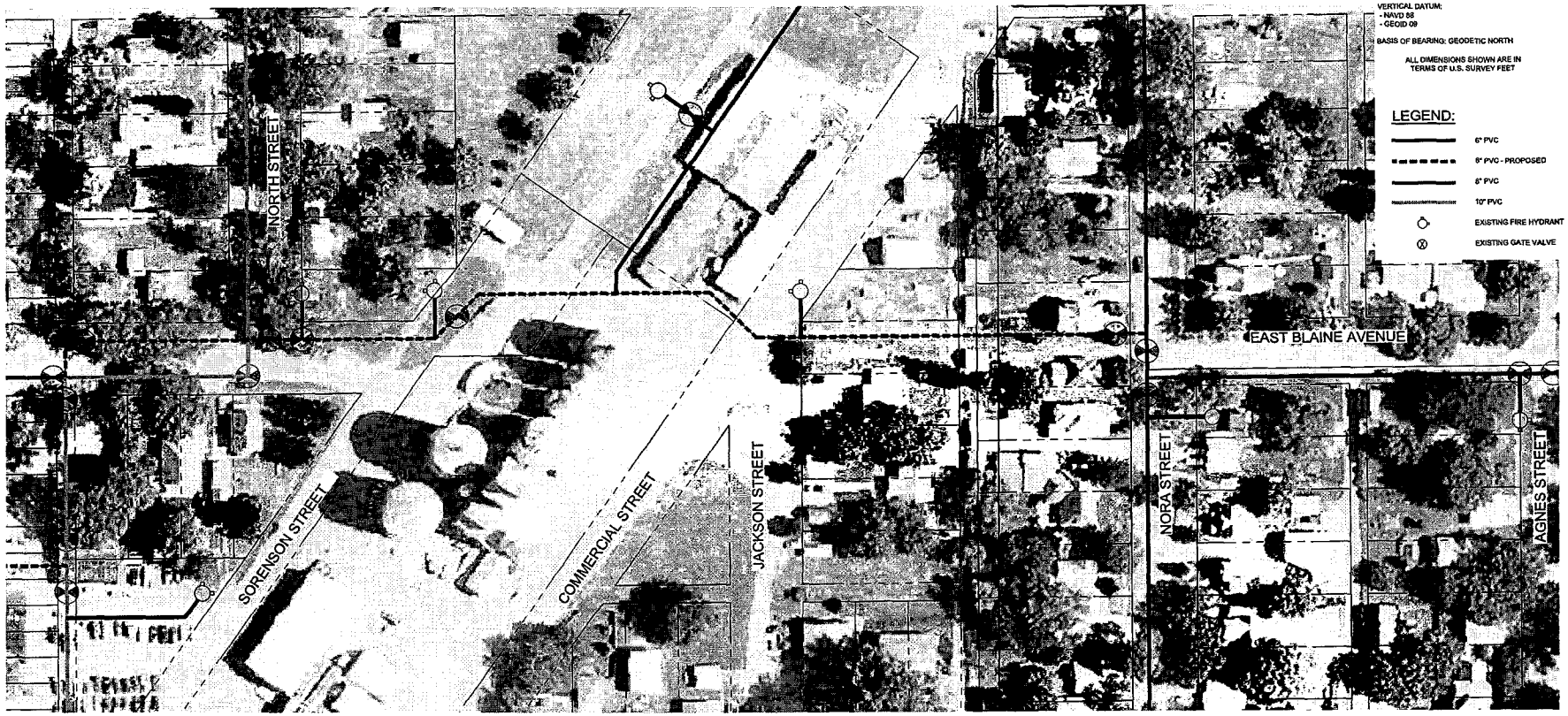
JOB NO.: 22231.00.00
DATE: SEPTEMBER, 2015

SHEET TITLE:

MAPLE STREET ALTERNATIVE TWO - REPLACEMENT

FIGURE NO.: 6



GRID BEARING

50' 25' 0 50' 100'

HORIZONTAL DATUM:
- NAD 83
- PROJECTION: SOUTH DAKOTA STATE PLANE COORDINATES SOUTH ZONE (4002)

VERTICAL DATUM:
- NAVD 88
- GEOID 09

BASIS OF BEARING: GEODETIC NORTH

ALL DIMENSIONS SHOWN ARE IN TERMS OF U.S. SURVEY FEET

LEGEND:

- 6" PVC
- 8" PVC - PROPOSED
- 8" PVC
- 10" PVC
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE

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PROJECT TITLE:

VIBOR
WATER
SYSTEM
FACILITY PLAN
AMENDMENT

PROJECT LOCATION:

VIBORG,
SOUTH DAKOTA

REV	DATE	DESCRIPTION

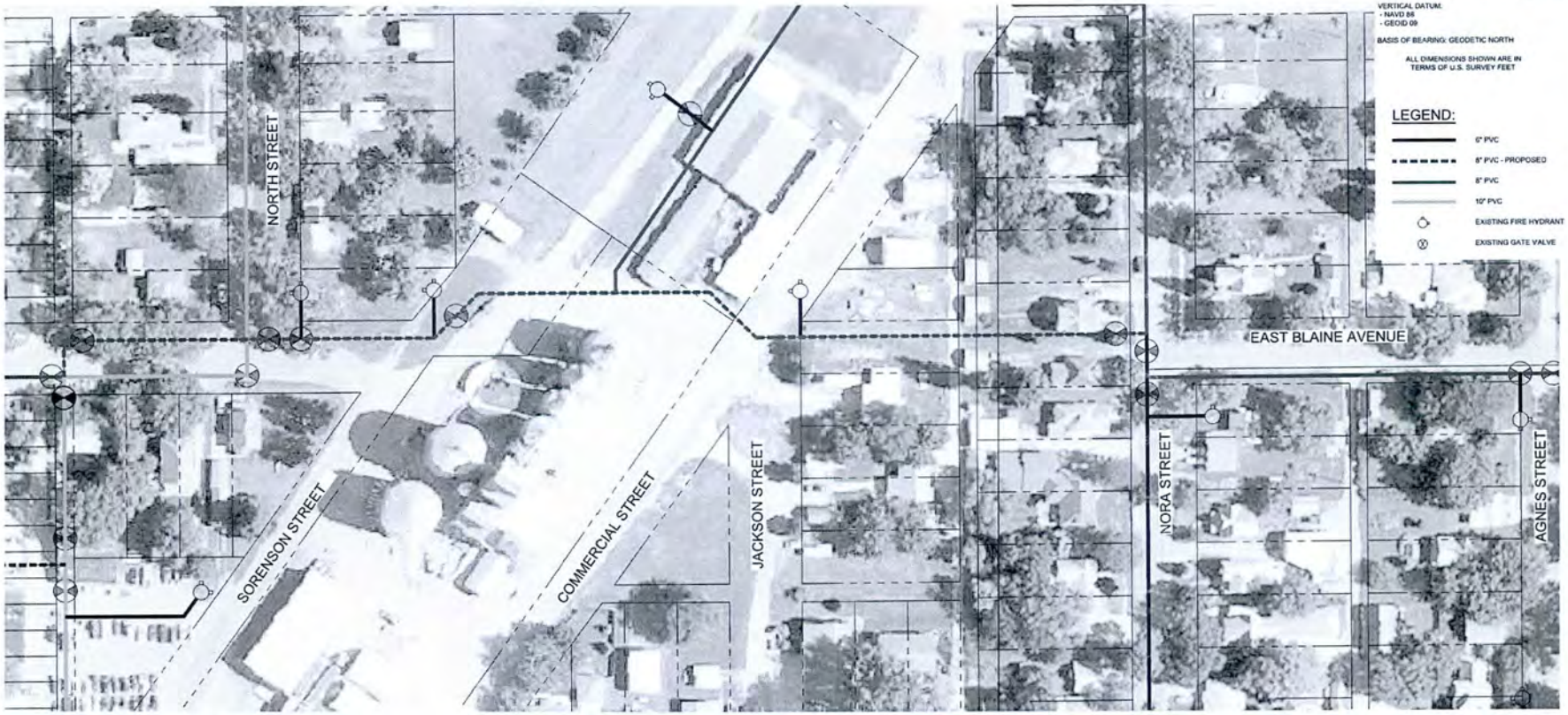
DRAWN BY: NGE
DESIGNED BY: RSU
CHECKED BY: JHM
JOB NO: 22231.00.00
DATE: SEPTEMBER, 2015

SHEET TITLE:

BLAINE
AVENUE
ALTERNATIVE
TWO
- REPLACEMENT

FIGURE NO.:

4



GRID BEARING

50' 25' 0 50' 100'

HORIZONTAL DATUM:
- NAD 83
- PROJECTION: SOUTH DAKOTA STATE PLANE COORDINATES SOUTH ZONE (4002)

VERTICAL DATUM:
- NAVD 88
- GEOID 09

BASIS OF BEARING: GEODETIC NORTH

ALL DIMENSIONS SHOWN ARE IN TERMS OF U.S. SURVEY FEET

LEGEND:

- 6" PVC
- 8" PVC - PROPOSED
- 8" PVC
- 10" PVC
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE

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PROJECT LOCATION:

VIBORG, SOUTH DAKOTA

REV	DATE	DESCRIPTION

DRAWN BY: NGE
DESIGNED BY: RSU
CHECKED BY: JHM
JOB NO.: 22231.00.00
DATE: SEPTEMBER, 2015

SHEET TITLE:

BLAINE AVENUE ALTERNATIVE TWO - REPLACEMENT

FIGURE NO.:

4

GRID BEARING

50' 25' 0 50' 100'

HORIZONTAL DATUM:
- NAD 83
- PROJECTION: SOUTH DAKOTA STATE PLANE COORDINATES SOUTH ZONE (4002)

VERTICAL DATUM:
- NAVD 88
- GEOID 09

BASIS OF BEARING: GEODETIC NORTH

ALL DIMENSIONS SHOWN ARE IN TERMS OF U.S. SURVEY FEET

LEGEND:

- 6" PVC - PROPOSED
- 6" PVC
- 8" PVC
- 10" PVC
- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE

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PROJECT LOCATION:

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REV.	DATE	DESCRIPTION

DRAWN BY: NCE
DESIGNED BY: RSU
CHECKED BY: JHM
JOB NO.: 22231.00.00
DATE: SEPTEMBER, 2015

SHEET TITLE:

AGNES STREET ALTERNATIVE TWO - REPLACEMENT

FIGURE NO.:

2

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REV	DATE	DESCRIPTION

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DESIGNED BY: RSU
CHECKED BY: JHM
JOB NO.: 22231.00.00
DATE: SEPTEMBER, 2015

SHEET TITLE:

AGNES STREET ALTERNATIVE TWO - REPLACEMENT

FIGURE NO.:

2

RECEIVED
JAN 05 2016
Division of Financial
& Technical Assistance

Amendment to Water Facility Plan for

City of Viborg, South Dakota

Prepared by:

Banner Associates, Inc.

December, 2015

Original Report Prepared by:

Banner Associates, Inc.

May 2010

REGISTERED PROFESSIONAL ENGINEER
REG NO. 11128
JOSEPH H. MUNSON
SOUTH DAKOTA
12-31-15

The City of Viborg authorized Banner Associates to prepare a Water Facilities Plan on January 4, 2010 per an Employment Agreement for Engineering Services. This report was completed in May of 2010 and was used as a planning document for improvements needed to the City's water system. On September 9, 2015 the City of Viborg authorized Banner Associates to amend the May 2010 Water Facility Plan.

This amendment is intended to modify or add to the original report in order for the City of Viborg to seek funding for proposed water system improvements. The purpose of this report is to recommend improvements to aging water mains located on Agnes Street, Maple Street, Lincoln Avenue and Blaine Avenue as well as modifications to the piping and valves near Viborg's fill station to allow for isolation from the distribution system.

The Water Facility Plan dated May 2010 and prepared by Banner Associates Inc. is amended as follows:

Section 5: Development and Evaluation of Alternatives

The following paragraph shall be added to Section 5:

Section 5.1.5.1 Water Main Replacement - 2015

The 2010 Water Facility Plan identified aging cast iron water main that needed to be replaced on HWY 19 (Main St.), Park Ave, Sorensen St., Lewis Ave, and Harvey St. The mains identified in 2010 were replaced during capital improvement projects in 2011 and 2012. The City of Viborg continues to monitor their existing water system and would like to evaluate the replacement of aging water main on Agnes Street, Maple Street, Lincoln Avenue and Blaine Avenue. The existing cast iron water main is deteriorating based on the age of the pipe and the number of leaks in these areas of town. In addition, the water main on Agnes, Lincoln, and Maple is only 4" in diameter and undersized. To further evaluate the replacement of these lines, two different construction methods were evaluated, plus a no action alternative.

Alternative One Water Main Replacement - 2015

Alternative One evaluated a trenchless or no dig technology of CIPP (Cast in Place Pipe) for the replacement of the water main on Agnes Street, Blaine Avenue, Lincoln Avenue and Maple Avenue. The pipe replacement length for each street is shown below:

- Maple Street – 1650 LF of 4" CIPP
- Agnes Street – 360 LF of 4" CIPP
- Lincoln Avenue – 760 LF of 4" CIPP
- Blaine Avenue – 1100 LF of 6" CIPP

This alternative would include reestablishment of service connections through a robotic cutting tool within the pipe. Installation of new valves and fire hydrants is also included in the project. The 8' by 8' approximate hole at the valve locations would be used to access the existing water main and install the CIPP liner in the existing pipe.

In addition to the lining of the water mains on Maple Street, Agnes Street, Lincoln Avenue, and Blaine Avenue, Alternative One includes modifications to the piping and valves near Viborg's fill station. The current valve set up does not allow for the fill station piping to be isolated from the distribution system. The new improvements will include additional valves and a new 2" service line to the fill station.

The construction costs associated with Alternative One is as follows:

Description	Opinion of Probable Cost*
Opinion of Probable Capital Costs and Contingencies	$1,191,372
Design and Resident Engineering	$180,400
Opinion of Probable Project Cost	**$1,371,772**

* Detailed Cost Estimate for Alternative One can be found attached to this amendment.

Alternative Two Water Main Replacement - 2015

Alternative Two includes replacement of the existing water lines on Agnes Street, Blaine Avenue, Lincoln Avenue and Maple Avenue by conventional open trench construction. The lines would be upsized from 4" and 6" lines to 8" lines. Included in the construction would be replacement of existing valves, hydrants, service lines (to curb stop) and new curb stops. The following linear feet of pipe would be replaced on each street:

- Maple Street – 1650 LF of 4" Cast Iron to 8" PVC
- Agnes Street – 360 LF of 4" Cast Iron to 8" PVC
- Lincoln Avenue – 800 LF of 4" Cast Iron to 8" PVC
- Blaine Avenue – 1100 LF of 6" Cast Iron to 8" PVC

In addition to the replacement of the water mains on Maple Street, Agnes Street, Lincoln Avenue, and Blaine Avenue, Alternative Two includes modifications to the piping and valves near Viborg's fill station. The current valve set up does not allow for the fill station piping to be isolated from the distribution system. The new improvements will include additional valves and a new 2" service line to the fill station.

Description	Opinion of Probable Cost*
Opinion of Probable Capital Costs and Contingencies	$1,181,595
Design and Resident Engineering	$179,600
Opinion of Probable Project Cost	**$1,361,195**

* Detailed Cost Estimate for Alternative Two can be found attached to this amendment.

Alternative Three "No Action" Alternative - 2015

The City of Viborg has aging cast iron water lines. If no action is taken the aging water main will continue to degrade, increasing the risk of leaks and breaks in the cast iron. The aging lines will cause increased maintenance and operation costs and provide the residents an unreliable water system in the future.

Section 6: Selected Alternatives, Description and Implementation Arrangements

The following paragraphs shall be added to Section 6:

Section 6.1.1 Water Main Replacement - 2015

CIPP technology and construction has become more common for replacement of aging water main in recent years. This technology has been used for numerous years in the sewer industry. It is becoming a more acceptable construction practice in the water industry due to the increase accuracy of reestablishing service connections from within the pipe. However, the cost associated with CIPP compared to conventional open cut technology does not usually become cost effective until the linear footage of pipe replacement is 5000 linear feet or more. This is due to the specialty crews that must mobilize equipment in from outside the Midwest region. As a result, the cost for CIPP replacement in Alternative One is only $10,577 more than Alternative Two.

One major disadvantage of CIPP is that it does not allow for upsizing of the existing cast iron main. Other disadvantages associated with CIPP include not being able to install new services and curb stops. Some older services in Viborg have lead pipe which should be replaced during construction. Alternative Two includes replacement of these services.

With the disadvantages associated with Alternative One listed above and the fact that Viborg is planning on doing small sewer capital improvements in the area, Banner Associates recommends Alternative Two for the water main replacement.

6.3.1 Summary and Estimate of Probable Cost – Water Main Replacement - 2015

Costs associated with the water main replacement for Alternative Two are shown in the table below.

Description	Opinion of Probable Cost*
Opinion of Probable Capital Costs and Contingencies	$1,181,595
Design and Resident Engineering	$179,600
Opinion of Probable Project Cost	**$1,361,195**

* Detailed Cost Estimate for Alternative Two can be found attached to this amendment.

6.4.1 User Rate Impacts – Water Main Replacement – 2015

The current City of Viborg water rate for a residential user assuming 5,000 gal/month usage is $40.27. It is anticipated that a combination of grants and loans will be used to pay for the water system project. Assuming that the City of Viborg is eligible for SRF and/or Rural Development funding at a 20-year term at 3.0% interest; the monthly user rate impact for the Water Main Replacement – 2015 project is expected to be $21.34 per customer based on 5,000 gallons of

usage with 0% grant dollars awarded. This rate impact is only an estimate and the actual rate impact will be determined once funding is determined.

6.5.1 Implementation Schedule – Water Main Replacement – 2015

Table 1: Implementation Schedule – Water main Replacement:

TASK	DATE
Submit State Water Plan Application	October 1, 2015
Project placed on State Water Plan	November, 2015
Apply for DW SRF Funding with Principal Forgiveness	April, 2016
Award of DW SRF Funds	June, 2016
Notice to Proceed on Design of Improvements	June, 2016
Submittal of Plans and Specifications for Review	July, 2016
Construction Contract Bid Opening	August, 2016
Construction Contract Awarded	August, 2016
Complete Construction of Improvements	August 1, 2017
Complete One Year Warranty period	August 1, 2018

Attached

1. Cost Estimates
2. Maps of Alternatives
3. Environmental Letters

Opinion of Probable Project Cost

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 2507 W 57th St, Ste 102
Sioux Falls, South Dakota 57108
Toll Free | 1.855.323.6342
www.bannerassociates.com

Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative One - Water Distribution Lining

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL
Alley behind City Hall - Installation of water valves and new service line					
1	Traffic Control	1	Lump Sum	$1,000	$1,000
2	Mobilization	1	Lump Sum	$3,175	$3,175
3	Remove Bituminous Surfacing	100	SY	$4	$400
4	Remove Gate Valve and Box	2	Each	$400	$800
5	Abandon 6" Watermain	1	Lump Sum	$1,000	$1,000
6	Compaction - Moisture / Density Tests	4	Each	$150	$600
7	Granular Embedment	8	Ton	$20	$160
8	Base Course and Gravel Surfacing	50	Ton	$18	$900
9	Asphalt Concrete - Class E, Type 1	22	Ton	$120	$2,640
10	Hydro-Seeding	1	Lump Sum	$500	$500
11	10" Dia. PVC Watermain	10	LF	$50	$500
12	10" D.I. M.J. Long Body Sleeve w/ Joint Restraints	4	Each	$500	$2,000
13	10" Gate Valve & Box w/ Joint Restraints	2	Each	$2,000	$4,000
14	Concrete for Thrust Blocks	2	CY	$150	$300
15	2" Dia. PVC Water Service Pipe	50	LF	$30	$1,500
16	2" Corporation Stop and Service Saddle	1	Each	$650	$650
17	2" Curb Stop and Box	1	Each	$650	$650
		Opinion of Probable Construction Costs =			$20,775
Agnes Street - Water Improvements					
1	Traffic Control	1	Lump Sum	$7,500	$7,500
2	Mobilization	1	Lump Sum	$15,000	$15,000
3	Remove Bituminous Surfacing	55	SY	$6	$330
4	Remove Concrete Surfacing & Sidewalk	15	SY	$6	$90
5	Remove Curb	25	LF	$5	$125
6	Remove Fire Hydrant	1	Each	$500	$500
7	Remove Gate Valve and Box	1	Each	$400	$400
8	Compaction - Moisture / Density Tests	4	Each	$150	$600
9	Granular Embedment	20	Ton	$20	$400
10	Base Course and Gravel Surfacing	30	Ton	$18	$540
11	Asphalt Concrete - Class E, Type 1	15	Ton	$120	$1,800
12	Concrete Curb	25	LF	$20	$500
13	6" Reinforced Concrete Approach / Driveway Pavement	135	SF	$6	$810
14	Hydro-Seeding	1	Lump Sum	$500	$500
15	4" Water Main CIPP	360	LF	$175	$63,000
16	6" x 4" M.J.D.I Reducer w/ Joint Restraints	2	Each	$400	$800
17	6" x 6" M.J.D.I. Tee w/ Joint Restraints	1	Each	$500	$500
18	4" M.J.D.I. Long Body Sleeves	2	Each	$350	$700
19	6" Gate Valve & Box w/ Joint Restraints	1	Each	$1,200	$1,200
20	4" Gate Valve & Box w/ Joint Restraints	1	Each	$1,000	$1,000
21	Fire Hydrant w/ Joint Restraints	1	Each	$3,000	$3,000
22	Concrete for Thrust Blocks	5	CY	$150	$750
23	Temporary Water Service	1	Lump Sum	$3,000	$3,000
24	Reconnect Water Services	6	Each	$1,000	$6,000
		Opinion of Probable Construction Costs =			$109,045

Opinion of Probable Project Cost

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Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative One - Water Distribution Lining

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL
Maple Street - Water Improvements					
1	Traffic Control	1	Lump Sum	$5,000	$5,000
2	Mobilization	1	Lump Sum	$40,000	$40,000
3	Remove Bituminous Surfacing	90	SY	$6	$540
4	Remove Curb and Gutter	20	LF	$8	$160
5	Remove Fire Hydrant	2	Each	$500	$1,000
6	Remove Gate Valve and Box	3	Each	$400	$1,200
7	Compaction - Moisture / Density Tests	6	Each	$150	$900
8	Granular Embedment	35	Ton	$20	$700
9	Base Course and Gravel Surfacing	40	Ton	$18	$720
10	Asphalt Concrete - Class E, Type 1	20	Ton	$120	$2,400
11	Concrete Curb and Gutter	20	LF	$17	$340
12	Hydro-Seeding	1	Lump Sum	$1,000	$1,000
13	4" Water Main CIPP	1,650	LF	$175	$288,750
14	6" x 4" M.J.D.I Reducer w/ Joint Restraints	4	Each	$400	$1,600
15	6" x 6" M.J.D.I. Tee w/ Joint Restraints	2	Each	$500	$1,000
16	4" M.J.D.I. Long Body Sleeves	4	Each	$350	$1,400
17	6" Gate Valve & Box w/ Joint Restraints	2	Each	$1,200	$2,400
18	4" Gate Valve & Box w/ Joint Restraints	2	Each	$1,000	$2,000
19	Fire Hydrant w/ Joint Restraints	2	Each	$3,000	$6,000
20	Concrete for Thrust Blocks	10	CY	$150	$1,500
21	Temporary Water Service	1	Lump Sum	$7,500	$7,500
22	Reconnect Water Services	28	Each	$1,000	$28,000
				Opinion of Probable Construction Costs =	$394,110
Blaine Avenue - Water Improvements					
1	Traffic Control	1	Lump Sum	$5,000	$5,000
2	Mobilization	1	Lump Sum	$40,000	$40,000
3	Remove Bituminous Surfacing	50	SY	$6	$300
4	Remove Fire Hydrant	3	Each	$500	$1,500
5	Remove Gate Valve and Box	4	Each	$400	$1,600
6	Compaction - Moisture / Density Tests	6	Each	$150	$900
7	Granular Embedment	40	Ton	$18	$720
8	Base Course and Gravel Surfacing	40	Ton	$16	$640
9	Asphalt Concrete - Class E, Type 1	10	Ton	$120	$1,200
10	6" Water Main CIPP	1,100	LF	$200	$220,000
11	6" Dia. PVC Watermain	90	LF	$25	$2,250
12	6" x 6" M.J.D.I. Tee w/ Joint Restraints	3	Each	$500	$1,500
13	6" Gate Valve & Box w/ Joint Restraints	7	Each	$1,200	$8,400
14	Fire Hydrant w/ Joint Restraints	3	Each	$3,000	$9,000
15	Concrete for Thrust Blocks	15	CY	$150	$2,250
16	Temporary Water Service	1	Lump Sum	$7,500	$7,500
17	Reconnect Water Services	6	Each	$1,000	$6,000
				Opinion of Probable Construction Costs =	$308,760
Lincoln Avenue - Water Improvements					
1	Traffic Control	1	Lump Sum	$10,000	$10,000
2	Mobilization	1	Lump Sum	$16,000	$16,000
3	Remove Bituminous Surfacing	56	SY	$6	$336
4	Remove Concrete Surfacing & Sidewalk	10	SY	$4	$40
5	Remove Curb and Gutter	20	LF	$7	$140
6	Remove Fire Hydrant	2	Each	$500	$1,000
7	Remove Gate Valve and Box	2	Each	$400	$800
8	Compaction - Moisture / Density Tests	5	Each	$150	$750
9	Granular Embedment	30	Ton	$18	$540
10	Base Course and Gravel Surfacing	30	Ton	$16	$480
11	Asphalt Concrete - Class E, Type 1	15	Ton	$120	$1,800
12	Concrete Curb and Gutter	20	LF	$20	$400
13	Concrete Sidewalk	50	SF	$10	$500
12	4" Water Main CIPP	760	LF	$175	$133,000
13	6" Dia. PVC Watermain	40	LF	$25	$1,000
14	8" x 6" M.J.D.I Tee w/ Joint Restraints	1	Each	$550	$550
15	6" x 6" M.J.D.I Tee w/ Joint Restraints	2	Each	$500	$1,000
16	10" x 6" M.J.D.I Cross w/ Joint Restraints	1	Each	$1,250	$1,250
17	10" Dia. M.J.D.I Long Body Sleeve w/ Joint Restraints	2	Each	$900	$1,800
18	8" Dia. M.J.D.I Long Body Sleeve w/ Joint Restraints	2	Each	$800	$1,600
19	6" Gate Valve & Box w/ Joint Restraints	4	Each	$1,200	$4,800

Opinion of Probable Project Cost

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Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative One - Water Distribution Lining

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL
20	Fire Hydrant w/ Joint Restraints	2	Each	$3,000	$6,000
21	Concrete for Thrust Blocks	10	CY	$150	$1,500
22	Temporary Water Service	1	Lump Sum	$5,000	$5,000
23	Reconnect Water Services	13	Each	$1,000	$13,000
				Opinion of Probable Construction Costs =	$203,286
				Subtotal (Construction Costs) =	$1,035,976
				Contingencies (15% Construction Costs) =	$155,396
				Total (Construction Costs) =	**$1,191,372**
				Design & Bidding Services =	$87,000
				Resident Engineering and Construction Staking =	$86,400
				Construction Plans of Record =	$3,500
				Soils Investigation =	$3,500
				Total Engineering =	**$180,400**
				Opinion of Probable Project Cost (December 2015) =	**$1,371,772**

Opinion of Probable Project Cost

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Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative Two - Water Distribution Replacement

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL	Department Breakdown		
						Water	Wastewater	Street
Alley behind City Hall - Installation of water valves and new service line								
1	Traffic Control	1	Lump Sum	$1,000	$1,000	$1,000		
2	Mobilization	1	Lump Sum	$3,175	$3,175	$3,175		
3	Remove Bituminous Surfacing	100	SY	$4	$400	$400		
4	Remove Gate Valve and Box	2	Each	$400	$800	$800		
5	Abandon 6" Watermain	1	Lump Sum	$1,000	$1,000	$1,000		
6	Compaction - Moisture / Density Tests	4	Each	$150	$600	$600		
7	Granular Embedment	8	Ton	$18	$144	$144		
8	Base Course and Gravel Surfacing	50	Ton	$16	$800	$800		
9	Asphalt Concrete - Class E, Type 1	22	Ton	$120	$2,640	$2,640		
10	Hydro-Seeding	1	Lump Sum	$500	$500	$500		
11	10" Dia. PVC Watermain	10	LF	$50	$500	$500		
12	10" D.I. M.J. Long Body Sleeve w/ Joint Restraints	4	Each	$500	$2,000	$2,000		
13	10" Gate Valve & Box w/ Joint Restraints	2	Each	$2,000	$4,000	$4,000		
14	Concrete for Thrust Blocks	2	CY	$150	$300	$300		
15	2" Dia. PVC Water Service Pipe	50	LF	$30	$1,500	$1,500		
16	2" Corporation Stop and Service Saddle	1	Each	$650	$650	$650		
17	2" Curb Stop and Box	1	Each	$650	$650	$650		
		Opinion of Probable Construction Costs =			$20,659	$20,659		
Agnes Street - Street/Water/Sanitary Sewer Improvements								
1	Traffic Control	1	Lump Sum	$7,500	$7,500	$ 3,188	$ 4,313	
2	Mobilization	1	Lump Sum	$15,876	$15,876	$ 6,747	$ 9,129	
3	Remove Bituminous Surfacing	1,120	SY	$4	$4,480	$ 1,904	$ 2,576	
4	Remove Concrete Surfacing and Sidewalk	35	SY	$6	$210	$ 89	$ 121	
5	Remove Curb	50	LF	$5	$250	$ 106	$ 144	
6	Remove Fire Hydrant	1	Each	$500	$500	$ 500		
7	Remove Gate Valve and Box	1	Each	$400	$400	$ 400		
8	Compaction - Moisture / Density Tests	12	Each	$150	$1,800	$ 765	$ 1,035	
9	Granular Embedment	300	Ton	$18	$5,400	$ 2,295	$ 3,105	
10	Pipe Foundation Material	50	Ton	$20	$1,000	$ 425	$ 575	
11	Exploratory Excavation	1	Lump Sum	$1,000	$1,000	$ 425	$ 575	
12	Unclassified Excavation	300	CY	$10	$3,000	$ 1,275	$ 1,725	
13	8" Scarify and Recompact	250	CY	$3	$750	$ 319	$ 431	
14	Digout Excavation	50	CY	$8	$400	$ 170	$ 230	
15	Subbase Foundation Aggregate	25	Ton	$18	$450	$ 191	$ 259	
16	Silt Fence	100	LF	$5	$500	$ 213	$ 288	
17	Temporary Vehicle Construction Entrance	1	Each	$1,200	$1,200	$ 510	$ 690	
18	Concrete Washout Area	1	Each	$1,000	$1,000	$ 425	$ 575	
19	Base Course and Gravel Surfacing	510	Ton	$16	$8,160	$ 3,468	$ 4,692	
20	Geotextile Fabric	1,150	SY	$3	$3,450	$ 1,466	$ 1,984	
21	Asphalt Concrete - Class E, Type 1	250	Ton	$90	$22,500	$ 9,563	$ 12,938	
22	Asphalt Concrete Sampling and Testing	2	Each	$500	$1,000	$ 425	$ 575	
23	Concrete Curb	50	LF	$20	$1,000	$ 425	$ 575	
24	6" Reinforced Concrete Approach / Driveway Pavement	150	SF	$6	$900	$ 383	$ 518	
25	Concrete Sidewalk	150	SF	$6	$900	$ 383	$ 518	
26	Hydro-Seeding	1	Lump Sum	$1,000	$1,000	$ 425	$ 575	
27	6" Dia. PVC Watermain	360	LF	$28	$10,080	$ 10,080		
28	6" x 6" M.J.D.I Tee w/ Joint Restraints	1	Each	$500	$500	$ 500		
29	6" D.I. M.J. Long Body Sleeve w/ Joint Restraints	1	Each	$350	$350	$ 350		
30	6" Gate Valve & Box w/ Joint Restraints	2	Each	$1,200	$2,400	$ 2,400		
31	Fire Hydrant w/ Joint Restraints	1	Each	$3,000	$3,000	$ 3,000		
32	1" Corporation Stop and Service Saddle	6	Each	$400	$2,400	$ 2,400		
33	1" Curb Stop and Box	6	Each	$400	$2,400	$ 2,400		
34	Concrete for Thrust Blocks	5	CY	$150	$750	$ 750		
35	1" Dia. Water Service Pipe	200	LF	$20	$4,000	$ 4,000		
36	Tracer Wire	360	LF	$1	$180	$ 180		
37	12" PVC Encasement Pipe	20	LF	$50	$1,000	$ 1,000		
38	Temporary Water Service	1	Lump Sum	$3,000	$3,000	$ 3,000		
39	8" Dia. PVC SDR 35 Gravity Sewer Pipe	480	LF	$35	$16,800		$ 16,800	
40	4" Dia. PVC SDR 26 Gravity Sewer Pipe	220	LF	$26	$5,720		$ 5,720	
41	8" x 4" Sanitary Sewer Service Connection	9	Each	$275	$2,475		$ 2,475	
42	48" Dia. Sanitary Sewer Manhole	3	Each	$3,000	$9,000		$ 9,000	
		Opinion of Probable Construction Costs =			$148,681	$ 66,544	$ 82,137	

Opinion of Probable Project Cost

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Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative Two - Water Distribution Replacement

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL	Department Breakdown		
						Water	Wastewater	Street
Maple Street - Street/Water Improvements								
1	Traffic Control	1	Lump Sum	$7,500	$7,500	$3,975		$3,525
2	Mobilization	1	Lump Sum	$55,409	$55,409	$29,367		$26,042
3	Remove Bituminous Surfacing	6,200	SY	$4	$24,800	$13,144		$11,656
4	Remove Concrete Surfacing and Sidewalk	250	SY	$6	$1,500	$795		$705
5	Remove Tree	5	Each	$400	$2,000	$1,060		$940
6	Remove Curb and Gutter	2,900	LF	$6	$17,400	$2,610		$14,790
7	Remove Fire Hydrant	2	Each	$500	$1,000	$1,000		
8	Remove Gate Valve and Box	3	Each	$400	$1,200	$1,200		
9	Compaction - Moisture / Density Tests	25	Each	$150	$3,750	$1,988		$1,763
10	Granular Embedment	730	Ton	$18	$13,140	$13,140		
11	Pipe Foundation Material	100	Ton	$20	$2,000	$2,000		
12	Exploratory Excavation	1	Lump Sum	$1,500	$1,500	$1,500		
13	Unclassified Excavation	1,900	CY	$10	$19,000	$10,070		$8,930
14	8" Scarify and Recompact	1,660	CY	$3	$4,980	$2,639		$2,341
15	Digout Excavation	200	CY	$8	$1,600	$848		$752
16	Subbase Foundation Aggregate	100	Ton	$18	$1,800	$954		$846
17	Silt Fence	100	LF	$5	$500	$265		$235
18	Temporary Vehicle Construction Entrance	1	Each	$1,200	$1,200	$636		$564
19	Concrete Washout Area	1	Each	$1,000	$1,000	$530		$470
20	Base Course and Gravel Surfacing	3,400	Ton	$16	$54,400	$28,832		$25,568
21	Geotextile Fabric	7,500	SY	$3	$22,500	$11,925		$10,575
22	Asphalt Concrete - Class E, Type 1	1,400	Ton	$90	$126,000	$66,780		$59,220
23	Asphalt Concrete Sampling and Testing	2	Each	$500	$1,000	$530		$470
24	Concrete Curb and Gutter	2,900	LF	$14	$40,600	$6,090		$34,510
25	4' Concrete Valley Gutter	75	SF	$11	$825	$437		$388
26	6" Reinforced Concrete Approach / Driveway Pavement	700	SF	$6	$4,200	$2,226		$1,974
27	Concrete Sidewalk	700	SF	$6	$4,200	$2,226		$1,974
28	Hydro-Seeding	1	Lump Sum	$5,000	$5,000	$2,650		$2,350
29	8" Dia. PVC Watermain	1,650	LF	$28	$46,200	$46,200		
30	6" Dia. PVC Watermain	60	LF	$25	$1,500			
31	8" x 6" M.J.D.I Tee w/ Joint Restraints	2	Each	$550	$1,100			
32	8" Gate Valve & Box w/ Joint Restraints	2	Each	$1,600	$3,200	$3,200		
33	6" Gate Valve & Box w/ Joint Restraints	2	Each	$1,200	$2,400			
34	Fire Hydrant w/ Joint Restraints	2	Each	$3,000	$6,000	$6,000		
35	1" Corporation Stop and Service Saddle	26	Each	$400	$10,400	$10,400		
36	1.5" Corporation Stop and Service Saddle	2	Each	$550	$1,100	$1,100		
37	1" Curb Stop and Box	26	Each	$400	$10,400	$10,400		
38	1.5" Curb Stop and Box	2	Each	$550	$1,100	$1,100		
39	Concrete for Thrust Blocks	10	CY	$150	$1,500	$1,500		
40	1" Dia. Water Service Pipe	900	LF	$20	$18,000	$18,000		
41	1.5" Dia. Water Service Pipe	70	LF	$25	$1,750	$1,750		
42	Tracer Wire	1,800	LF	$1	$900	$900		
43	12" PVC Encasement Pipe	60	LF	$50	$3,000	$3,000		
44	Temporary Water Service	1	Lump Sum	$7,500	$7,500	$7,500		
45	Adjustment of Manholes and Covers	4	Each	$300	$1,200			$1,200
		Opinion of Probable Construction Costs =			$537,254	$320,467		$211,787

Opinion of Probable Project Cost

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Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative Two - Water Distribution Replacement

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL	Department Breakdown		
						Water	Wastewater	Street
Blaine Avenue - Street/Water Improvements								
1	Traffic Control	1	Lump Sum	$7,500	$7,500	$3,750		$3,750
2	Mobilization	1	Lump Sum	$16,500	$16,500	$8,250		$8,250
3	Remove Bituminous Surfacing	915	SY	$4	$3,660	$1,830		$1,830
4	Remove Tree	4	Each	$400	$1,600	$1,600		
5	Remove Fire Hydrant	3	Each	$500	$1,500	$1,500		
6	Remove Gate Valve and Box	4	Each	$400	$1,600	$1,600		
7	Compaction - Moisture / Density Tests	25	Each	$150	$3,750	$1,875		$1,875
8	Granular Embedment	150	Ton	$18	$2,700	$2,700		
9	Pipe Foundation Material	100	Ton	$20	$2,000	$2,000		
10	Exploratory Excavation	1	Lump Sum	$1,500	$1,500	$1,500		
11	Unclassified Excavation	300	CY	$10	$3,000	$1,500		$1,500
12	8" Scarify and Recompact	275	CY	$3	$825	$413		$413
13	Digout Excavation	200	CY	$8	$1,600	$800		$800
14	Subbase Foundation Aggregate	100	Ton	$18	$1,800	$900		$900
15	Silt Fence	100	LF	$5	$500	$250		$250
16	Temporary Vehicle Construction Entrance	1	Each	$1,200	$1,200	$600		$600
17	Concrete Washout Area	1	Each	$1,000	$1,000	$500		$500
18	Base Course and Gravel Surfacing	700	Ton	$16	$11,200	$5,600		$5,600
19	Geotextile Fabric	915	SY	$3	$2,745	$1,373		$1,373
20	Asphalt Concrete - Class E, Type 1	210	Ton	$90	$18,900	$9,450		$9,450
21	Asphalt Concrete Sampling and Testing	2	Each	$500	$1,000	$500		$500
22	Hydro-Seeding	1	Lump Sum	$2,000	$2,000	$1,000		$1,000
23	8" Dia. PVC Watermain	1,100	LF	$28	$30,800	$30,800		
24	6" Dia. PVC Watermain	90	LF	$25	$2,250	$2,250		
25	8" x 6" M.J.D.I Tee w/ Joint Restraints	3	Each	$550	$1,650	$1,650		
26	8" Gate Valve & Box w/ Joint Restraints	4	Each	$1,600	$6,400	$6,400		
27	6" Gate Valve & Box w/ Joint Restraints	3	Each	$1,200	$3,600	$3,600		
28	Fire Hydrant w/ Joint Restraints	3	Each	$3,000	$9,000	$9,000		
29	1" Corporation Stop and Service Saddle	6	Each	$400	$2,400	$2,400		
30	1" Curb Stop and Box	6	Each	$400	$2,400	$2,400		
31	Concrete for Thrust Blocks	15	CY	$150	$2,250	$2,250		
32	1" Dia. Water Service Pipe	180	LF	$20	$3,600	$3,600		
33	Tracer Wire	1,200	LF	$1	$600	$600		
34	12" PVC Encasement Pipe	20	LF	$50	$1,000	$1,000		
35	Temporary Water Service	1	Lump Sum	$7,500	$7,500	$7,500		
36	Adjustment of Manholes and Covers	3	Each	$300	$900			$900
			Opinion of Probable Construction Costs =		$162,430	$122,940		$39,490

Opinion of Probable Project Cost

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Location: Viborg, SD
Date: 12/31/2015
Project: Alley behind City Hall/Agnes Street/Maple Street/Lincoln Avenue
Description: Alternative Two - Water Distribution Replacement

ITEM NO.	DESCRIPTION OF WORK AND MATERIALS	QUANTITY	UNIT	UNIT PRICE	TOTAL	Department Breakdown		
						Water	Wastewater	Street
Lincoln Avenue - Water Improvements								
1	Traffic Control	1	Lump Sum	$10,000	$10,000	$10,000		
2	Mobilization	1	Lump Sum	$16,000	$16,000	$16,000		
3	Remove Bituminous Surfacing	1,435	SY	$4	$5,740	$5,740		
4	Remove Concrete Surfacing & Sidewalk	90	SY	$4	$360	$360		
5	Remove Curb and Gutter	120	LF	$7	$840	$840		
6	Remove Tree	2	Each	$400	$800	$800		
7	Remove Fire Hydrant	2	Each	$500	$1,000	$1,000		
8	Remove Gate Valve and Box	2	Each	$400	$800	$800		
9	Compaction - Moisture / Density Tests	8	Each	$150	$1,200	$1,200		
10	Granular Embedment	225	Ton	$18	$4,050	$4,050		
11	Pipe Foundation Material	50	Ton	$20	$1,000	$1,000		
12	Exploratory Excavation	1	Lump Sum	$1,500	$1,500	$1,500		
13	Silt Fence	100	LF	$5	$500	$500		
14	Temporary Vehicle Construction Entrance	1	Each	$1,200	$1,200	$1,200		
15	Concrete Washout Area	1	Each	$1,000	$1,000	$1,000		
16	Base Course and Gravel Surfacing	650	Ton	$16	$10,400	$10,400		
17	Asphalt Concrete - Class E, Type 1	325	Ton	$90	$29,250	$29,250		
18	Asphalt Concrete Sampling and Testing	2	Each	$500	$1,000	$1,000		
19	Concrete Curb and Gutter	120	LF	$17	$2,040	$2,040		
20	4' Concrete Valley Gutter	125	SF	$14	$1,750	$1,750		
21	6" Reinforced Concrete Approach / Driveway Pavement	80	SF	$9	$720	$720		
22	Concrete Sidewalk	600	SF	$6	$3,600	$3,600		
19	Hydro-Seeding	1	Lump Sum	$2,000	$2,000	$2,000		
20	6" Dia. PVC Watermain	800	LF	$25	$20,000	$20,000		
21	8" x 6" M.J.D.I Tee w/ Joint Restraints	1	Each	$550	$550	$550		
22	6" x 6" M.J.D.I Tee w/ Joint Restraints	2	Each	$500	$1,000	$1,000		
23	10" x 6" M.J.D.I Cross w/ Joint Restraints	1	Each	$1,250	$1,250	$1,250		
24	10" Dia. M.J.D.I Long Body Sleeve w/ Joint Restraints	2	Each	$900	$1,800	$1,800		
25	8" Dia. M.J.D.I Long Body Sleeve w/ Joint Restraints	2	Each	$800	$1,600	$1,600		
26	6" Gate Valve & Box w/ Joint Restraints	4	Each	$1,200	$4,800	$4,800		
27	Fire Hydrant w/ Joint Restraints	2	Each	$3,000	$6,000	$6,000		
28	1" Corporation Stop and Service Saddle	12	Each	$400	$4,800	$4,800		
29	1" Curb Stop and Box	12	Each	$400	$4,800	$4,800		
30	1.5" Corporation Stop and Service Saddle	1	Each	$500	$500	$500		
31	1.5" Curb Stop and Box	1	Each	$500	$500	$500		
32	Concrete for Thrust Blocks	10	CY	$150	$1,500	$1,500		
33	1" Dia. Water Service Pipe	250	LF	$20	$5,000	$5,000		
34	1.5" Dia. Water Service Pipe	40	LF	$25	$1,000	$1,000		
35	Tracer Wire	800	LF	$1	$400	$400		
36	Temporary Water Service	1	Lump Sum	$5,000	$5,000	$5,000		
37	Adjustment of Manholes and Covers	4	Each	$300	$1,200	$1,200		
				Opinion of Probable Construction Costs =	$158,450	$158,450		

Subtotal (Construction Costs) =	$1,027,474	$689,059	$82,137	$251,277
Contingencies (15% Construction Costs) =	$154,121	$103,359	$8,214	$25,128
Total (Construction Costs) =	**$1,181,595**	**$792,418**	**$90,351**	**$276,405**
Design & Bidding Services =	$86,900			
Resident Engineering and Construction Staking =	$85,700			
Construction Plans of Record =	$3,500			
Soils Investigation =	$3,500			
Total Engineering =	**$179,600**			
Opinion of Probable Project Cost (December 2015) =	**$1,361,195**			

RATE EVALUATION

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

Location: Viborg, SD
Date: December-15
Project: Water main replacement
BAI 22231.00

Description	*Alternative No. 2*			
	0% Grant	25% Grant	50% Grant	75% Grant
Probable Construction Costs & Cont.	$1,181,595	$1,181,595	$1,181,595	$1,181,595
Engineering (Design, Bid)	$86,900	$86,900	$86,900	$86,900
Resident Engineering & Surveying	$85,700	$85,700	$85,700	$85,700
Construction Plans of Record	$3,500	$3,500	$3,500	$3,500
Soil Investigation	$3,500	$3,500	$3,500	$3,500
Probable Project Costs	**$1,361,195**	**$1,361,195**	**$1,361,195**	**$1,361,195**
Grant Participation - Percent	0%	25%	50%	75%
Grant Participation - Amount	$0	$340,299	$680,598	$1,020,896
Loan Amount	$1,361,195	$1,020,896	$680,598	$340,299
Debt Service (3.00% and 20-yr term)	$91,494	$68,620	$45,747	$22,873
Reserve (10% of Debt Service)	$9,149	$6,862	$4,575	$2,287
Debt Service from Loan	$100,643	$75,482	$50,322	$25,161
Total Annual Expenses	**$100,643**	**$75,482**	**$50,322**	**$25,161**
Current Average Monthly Water Rate	$40.27	$40.27	$40.27	$40.27
Total Number of Municipal Accounts	393	393	393	393
Proposed Monthly Increase in Water Rate/Customer	$21.34	$16.01	$10.67	$5.34
Proposed Annual Water Rate/Customer	$739	$445	$381	$317
Proposed Total Annual Income	$100,643	$75,482	$50,322	$25,161
Proposed New Average Monthly Water Rate	$61.61	$56.28	$50.94	$45.61
Proposed Monthly Rate Increase/Customer	$21.34	$16.01	$10.67	$5.34
DIFFERENCE (INCOME - EXPENSES)	$9,149	$6,862	$4,575	$2,287

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA NE 68102-4901

REPLY TO
ATTENTION OF

October 30, 2015

RECEIVED
NOV 04 2015
BY:

Planning, Programs, and Project Management Division

Mr. Joe Munson
Banner Associates, Inc.
409 22nd Avenue So.
P.O. Box 298
Brookings, South Dakota 57006

Dear Mr. Munson:

The U.S. Army Corps of Engineers, Omaha District (Corps) has reviewed your letter dated September 29, 2015 (received October 20, 2015) regarding the environmental review of the proposed Viborg Water Facility Plan Amendment (BAI No. 2223.00.00) in Turner County, South Dakota. We offer the following comments for your consideration:

Your plans should be coordinated with the state water quality office that has jurisdiction within the area where the project is located to ensure compliance with federal and state water quality standards and regulations mandated by the Clean Water Act and administered by the U.S. Environmental Protection Agency. Please coordinate with the South Dakota Department of Environment & Natural Resources concerning state water quality programs.

If you have not already done so, it is recommended you consult with the U.S. Fish and Wildlife Service and the South Dakota Department of Game, Fish and Parks regarding fish and wildlife resources. In addition, the South Dakota State Historic Preservation Office should be contacted for information and recommendations on potential cultural resources in the project area.

If the proposed waterline construction crosses the floodplains of small drainageways and streams, flood-related problems should not occur if the lines are buried far enough below the beds of drainageways and streams to prevent exposure due to streambed erosion during periods of high flood flows. Any aboveground construction subject to flood damage, such as pump houses, should either be placed above, or flood proofed to, a level above the one percent annual chance flood elevation.

Since the proposed project does not appear to be located within Corps owned or operated lands, your plans should be submitted to the local floodplain administrator for review and approval prior to construction. It should be ensured that the proposed project is in compliance with the floodplain management criteria of Turner County and the State of South Dakota. In addition, please coordinate with the following floodplain management office:

South Dakota Division of Emergency Management
Attention: Mr. Marc Macy
118 W. Capitol Avenue
Pierre, South Dakota 57501
Telephone: 605-773-3231
Fax: 605-773-3580
Email: marc.macy@state.sd.us

Any proposed placement of dredged or fill material into waters of the United States (including jurisdictional wetlands) requires Department of the Army authorization under Section 404 of the Clean Water Act. You can visit the Omaha District's Regulatory website for permit applications and related information. Please review the information on the provided website (http://www.nwo.usace.army.mil/Missions/RegulatoryProgram.aspx) to determine if this project requires a 404 permit. For a detailed review of the permit requirements, preliminary and final project plans should be sent to:

U.S. Army Corps of Engineers
Pierre Regulatory Office
Attention: Mr. Steve Naylor, CENWO-OD-R-SD
28563 Powerhouse Road, Room 120
Pierre, South Dakota 57501

If you have any questions, please contact Ms. Amanda Ciurej of my staff at (402) 995-2897 or amanda.k.ciurej@usace.army.mil and reference PD# 6757 in the subject line.

Sincerely,

Eric A. Laux
Chief, Environmental Resources and Missouri River
Recovery Program Plan Formulation Section

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

October 26, 2015

The Honorable Steve Bendt
Mayor of Viborg
101 North Main Street
Viborg, SD 57070

Dear Mr. Bendt:

The City of Viborg has submitted a request to have its Water Distribution System Replacement project placed on the 2016 State Water Plan. The State Water Plan applications will be considered by the Board of Water and Natural Resources on November 5, 2015, at its meeting being held over the Digital Dakota Network (DDN). Staff will recommend placement of your project onto the 2016 State Water Facilities Plan.

Enclosed is a copy of the agenda which includes a list of the applicants requesting placement on the plan. Applicants are welcome to attend this meeting. I do not anticipate any problems with the placement of your project onto the State Water Facilities Plan, and therefore, do not believe it is necessary that you attend the meeting.

If you have any questions regarding this matter, please feel free to contact me at (605) 773-4216 or email at andrew.bruels@state.sd.us.

Sincerely,

Andrew Bruels, PE

Andrew Bruels, P.E.
Engineering Manager
Division of Financial and Technical Assistance

Enclosure

cc: Lacey Schmeling, South Eastern Council of Governments, Sioux Falls
Richard Uckert, PE Banner Associates, Sioux Falls ✓

RECEIVED
OCT 19 2015
U.S. FISH & WILDLIFE SERVICE

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

RECEIVED
OCT 28 2015
BY

September 29, 2015

United States Department of Interior
Fish and Wildlife Service
Attention: Mr. Donald Gober, Field Supervisor
420 S. Garfield Avenue
Pierre, SD 57501-5408

Re: Environmental Review for Midland Water Facility Plan
BAI. No. 22088.00.00

Dear Mr. Gober:

The City of Viborg located in Turner County, SD has authorized a study that compares alternatives to replace their aging water main and evaluate their distribution system. Their existing cast iron water main is aging and undersized and is recommended for replacement. The attached maps show the City of Viborg's plan to replace aging water main under Agnes Street, Maple Street, Blain Avenue and modification to piping and valves near the City's fill station.

Banner Associates Inc., has recommended Alternative two which is open cut conventional replacement of the water main identified on the maps. In total the City plans to replace approximately 3110 linear feet of water main throughout town as part of this project. The second attachment shows the known wetlands in the vicinity of the project.

At this time the alternative two improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative Two Improvements, and Wetlands Map

U.S. Fish & Wildlife Service
SD ES Field Office
Project as described will have no significant impact on fish and wildlife resources. It does not involve any federally listed threatened or endangered species or their habitats. If project design changes, please submit plans for review.

10/26/15 Scott Larson
Date Field Supervisor

DEPARTMENT OF GAME, FISH, AND PARKS
Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

RECEIVED
OCT 22 2015
BY:

October 20, 2015

Joe Munson, PE
Banner Associates, Inc.
409 22nd Ave S.
PO Box 298
Brookings, SD 57006

RE: Viborg Water Facility Plan Amendment
BAI No. 22231.00.00

Dear Mr. Munson:

The South Dakota Department of Game, Fish and Parks, Wildlife Division, has reviewed the proposed project involving the replacement of water mains in the City of Viborg, South Dakota.

The project as described will have no impacts on fish and wildlife resources. If you have any questions, or if the project design changes, please contact me at 605.773.6208.

Sincerely,

Leslie Murphy

Leslie Murphy
Senior Biologist

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

November 10, 2015

The Honorable Steve Bendt
Mayor, City of Viborg
101 North Main Street
Viborg, SD 57070

Dear Mr. Bendt:

On November 5, 2015, the Board of Water and Natural Resources approved the placement of the Viborg Water Distribution System Replacement project onto the State Water Facilities Plan. Please remember that placement of your project onto the State Water Facilities Plan provides no guarantee of funding. Placement on the State Water Facilities Plan only makes the project eligible to apply to the department's programs for funding consideration. Your project will remain on the State Water Facilities Plan through calendar year 2017.

All of the department's funding programs allow for pre-application meetings if needed. If you would like to visit with staff prior to completing the funding application for your project, please contact us and one will be arranged. Quarterly funding applications are due the 1st of January, April, July and October throughout the year.

If you have any questions about the State Water Planning process or about any of the funding applications, please contact Andy Bruels at (605) 773-4216 or by e-mail at Andrew.Bruels@state.sd.us.

Congratulations on your placement onto the State Water Facilities Plan.

Sincerely,

Michael A. Perkovich, P.E.
Program Administrator
Water and Waste Funding Program

cc: Lacey Schmeling, South Eastern Council of Governments, Sioux Falls
Richard Uckert, PE, Banner Associates, Sioux Falls ✓

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

September 29, 2015

U.S. Army Corps of Engineers, Omaha District
Planning Division
Attention: CENWO-PM-AE
1616 Capitol Avenue
Omaha, NE 68102-1618

Re: Environmental Review for Viborg Water Facility Plan Amendment
BAI. No. 22231.00.00

Dear Planning Division:

The City of Viborg located in Turner County, SD has authorized a study that compares alternatives to replace their aging water main and evaluate their distribution system. Their existing cast iron water main is aging and undersized and is recommended for replacement. The attached maps show the City of Viborg's plan to replace aging water main under Agnes Street, Maple Street, Blain Avenue and modification to piping and valves near the City's fill station.

Banner Associates Inc., has recommended Alternative two which is open cut conventional replacement of the water main identified on the maps. In total the City plans to replace approximately 3110 linear feet of water main throughout town as part of this project. The second attachment shows the known wetlands in the vicinity of the project. The third attachment shows the flood plains located outside of the proposed area of construction.

At this time the alternative two improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative Two Improvements, Wetlands Map, and FIRM

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

September 29, 2015

South Dakota Department of Environment and Natural Resources
Water Resources Assistance Program
Attention: Mike Perkovich, Natural Resources Engineering Director
Joe Foss Building
523 East Capitol Avenue
Pierre, SD 57501-3182

Re: Environmental Review for Viborg Water Facility Plan Amendment
BAI. No. 22231.00.00

Dear Mr. Perkovich:

Please find enclosed, the Cultural Resources Effects Assessment Summary per the State Revolving Fund requirements. This summary sheet is being submitted to determine the effect the project may have on the cultural resources in the project area. A copy of the historic properties found in Turner County, South Dakota and maps of the project area are also included.

This is submitted for your review and approval as part of requirements for the State Revolving Fund Loan Application. Please let me know if there is any additional information that you may need to expedite your review of this document.

Once review comments are received from the SD Game, Fish and Parks and Wildlife Services, NRCS, and the US Army Corps, the facility plan will be completed and sent to you for final approval from DENR and SHPO. If you have any questions, please don't hesitate to call me at 605.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: 2 copies – Cultural Resources Effects Assessment Summary
2 copies – Alternative Two – Maps

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Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

September 29, 2015

South Dakota Department of Game, Fish and Parks
Division of Wildlife, Foss Building
Attention: Mr. John Kirk, Interagency Coordinator
523 East Capitol Avenue
Pierre, SD 57501-3181

Re: Environmental Review for Viborg Water Facility Plan Amendment
BAI. No. 22231.00.00

Dear Mr. Kirk:

The City of Viborg located in Turner County, SD has authorized a study that compares alternatives to replace their aging water main and evaluate their distribution system. Their existing cast iron water main is aging and undersized and is recommended for replacement. The attached maps show the City of Viborg's plan to replace aging water main under Agnes Street, Maple Street, Blain Avenue and modification to piping and valves near the City's fill station.

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At this time the alternative two improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative Two Improvements, Wetlands Map, and FIRM

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

September 29, 2015

United States Department of Agriculture
Natural Resources Conservation Service
Attention: Ms. Deanna Peterson
200 Fourth Street SW
Huron, SD 57350-2475

Re: Environmental Review for Viborg Water Facility Plan Amendment
BAI. No. 22231.00.00

Dear Ms. Peterson:

The City of Viborg located in Turner County, SD has authorized a study that compares alternatives to replace their aging water main and evaluate their distribution system. Their existing cast iron water main is aging and undersized and is recommended for replacement. The attached maps show the City of Viborg's plan to replace aging water main under Agnes Street, Maple Street, Blain Avenue and modification to piping and valves near the City's fill station.

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At this time the alternative two improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative Two Improvements, Wetlands Map, and FIRM

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Engineering | Architecture | Surveying
Banner Associates, Inc. | 409 22nd Ave So | PO Box 298
Brookings, South Dakota 57006 | 605.692.6342
www.bannerassociates.com

September 29, 2015

South Dakota, Division of Emergency Management
Attention: Nicole Prince, NFIP Coordinator
118 West Capitol Avenue
Pierre, SD 57501-5070

Re: Environmental Review for Viborg Water Facility Plan Amendment
BAI. No. 22231.00.00

Dear Ms. Prince:

The City of Viborg located in Turner County, SD has authorized a study that compares alternatives to replace their aging water main and evaluate their distribution system. Their existing cast iron water main is aging and undersized and is recommended for replacement. The attached maps show the City of Viborg's plan to replace aging water main under Agnes Street, Maple Street, Blain Avenue and modification to piping and valves near the City's fill station.

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At this time the alternative two improvements are submitted for your review to meet the requirements of the State Revolving Fund Loan Application. Please let me know if you have any questions during your review. Please don't hesitate to call me at 1.855.692.6342.

Sincerely,

Joe Munson, PE
Banner Associates, Inc.

Enclosures: – Alternative Two Improvements, Wetlands Map, and FIRM

RECEIVED
OCT 0 5 2015
Division of Financial
& Technical Assistance

SECTION 1: INTRODUCTION, AUTHORIZATION, AND PURPOSE

1.1. BACKGROUND INFORMATION

The City of Viborg, South Dakota, owns and operates their water distribution system and elevated storage tank. The system is located in the southeast ¼ of Section 34 and the south ½ of Section 35 in Township 97 North, Range 53 West, and the northeast ¼ of Section 3 and the northwest ¼ of Section 2 of Township 96 North, Range 53 West in Turner County, South Dakota. Water is purchased from TM Rural Water in bulk, and delivered to the City through a 6-inch PVC pipe to the elevated storage tank and customers of Viborg. Viborg's 40,000 gallon elevated storage tank is 100 years old, it was built in 1910. The collection system consists of cast iron pipe and PVC pipe ranging from 4-inch diameter to 10-inch diameter.

1.2. AUTHORIZATION

Preparation of the water treatment facilities plan was authorized by the City of Viborg in an Employment Agreement for Engineering Services dated January 4, 2010 with Banner Associates, Inc.

1.3. PURPOSE/SCOPE OF REPORT

The Water Facilities Plan is in response to the aging water tower, obsolete water meters, and old cast iron water pipe throughout the distribution system. The facilities evaluation will examine alternatives for providing methods to effectively and reliably provide water storage and fire protection to the City of Viborg, replace obsolete water meters and transmitter equipment in the system, and replace approximately 4,740 L.F. of old cast iron water pipe in town.

The Water Facilities Plan will serve as a guide for preparation of capital improvements plans for the water distribution system for the next several years. The scope of this report will address the following:

- Preparation of an Environmental Review

- Evaluation of the treated water demand and fire protection
- Projection of future water use requirements
- Evaluation of water storage alternatives for fire protection and the option to contract with TM Rural Water System for the use of an existing elevated storage tank to meet water storage and fire protection needs
- Evaluate customer water meter and transmitter system
- Evaluate water distribution system replacement in key areas, and the potential to coordinate pipe replacement with SD DOT projects on South Dakota Highway 19.
- Preparation of a plan for improvements to be considered including probable cost estimates, implementation schedule, and probable impacts on water rates

1.4. PREVIOUS REPORTS

- Operation and Maintenance Manual for the TM Rural Water District Water Treatment Plant, TM Rural Water District, January 2008, Banner Associates, Inc. (BAI. No. 20601-00-05)
- Facility Plan for Water Distribution Improvements, City of Viborg, September 2007, East River Engineering
- Water Distribution System Analysis, City of Viborg, February 2007, Short Elliott Hendrickson, Inc.
- Preliminary Engineering Report, T-M Rural Water District, Water Treatment Facilities Capital Improvements Plan-20006, March 2006, Banner Associates, Inc. (BAI. No. 20601-00-00)

1.5. ABBREVIATIONS

ADA	Americans with Disabilities Act
FEMA	Federal Emergency Management Agency
fps	feet per second
FSRS	fire suppression rating schedule
gpcd	gallons per capita per day

gpm	gallons per minute
ISO	Insurance Services Office
L.F.	linear foot
MG	million gallons
MGD	million gallons per day
NFF	needed fire flow
NFIP	National Flood Insurance Program
psi	pounds per square inch
PVC	polyvinyl chloride
RWS	rural water system
SD DOT	South Dakota Department of Transportation
TTHM	Total Trihalomethanes
WTP	water treatment plant

END OF SECTION 1

SECTION 2: ENVIRONMENTAL REVIEW

2.1 PROJECT AREA ENVIRONMENT

2.1.1 General Description of Project Area: The City of Viborg is located in Turner County, South Dakota. Topography of the Viborg area is relatively flat. The City of Viborg includes approximately 832 residents (2000 Census). The city currently purchases bulk water from TM Rural Water and distributes it to residential and commercial customers of Viborg. The city owns and operates its own distribution system and 40,000 gallon elevated tower. The elevated tower was constructed in 1910, and is located behind the City Hall building near the northeast corner of Park Avenue and Main Street.

Customers are individually metered and billed by the City of Viborg. Meters in the system are mostly the Badger Meter, Inc. (Badger) brand and they vary in age. Badger is changing the design of the liner and retiring the remote transmitter equipment in the existing meter system. The existing remote transmitter equipment sends a pulse through a wire to the outside of the residence or business for the meter to be read outside instead of directly at the meter, which is typically located in the basement. Badger is the only company that is still using this old transmitter technology, and this meter reading system is being phased out and will be obsolete.

Water from TM Rural Water enters the City from the north side of town and is piped directly to the water treatment plant where a bulk meter controls the flow and meters the bulk water usage. The WTP was built in 1980 and is currently only used to store water in the 120,000 gallon clearwell for additional storage and fire protection. TM water is piped through the bulk meter inside the treatment plant building before it is piped either to the clearwell or directly to the distribution system. Water

from the clearwell is pumped into the distribution system on a weekly basis. Gravity filtration units and chlorination equipment are no longer in use at the plant.

To provide adequate storage and fire protection, four alternatives related to the existing 40,000 gallon elevated storage tank plus a no action alternative were considered for this report. All alternatives include replacing water meters throughout town and installing a fixed base electronic read system, and replacing water pipe throughout town to be coordinated with an overlay project that the SD DOT has scheduled for 2012, and an ADA ramp installation at intersection sidewalks prior to the overlay project.

The first water storage alternative looked at disassembling the existing 40,000 gallon water tower, and making improvements to the city's distribution system and to TM Rural Water's distribution system. Improvements will provide adequate fire protection to the City with TM's 300,000 gallon Southeast Water Tower. The second water storage alternative was to abandon the 40,000 gallon water tower in place and make the same improvements as described in the first alternative. The third water storage alternative was to restore the 100 year old water tower and continue to provide fire protection within the city. The fourth water storage alternative would replace the existing 40,000 gallon water tower with a new 200,000 gallon pedestal tank. The new tower would be located on city owned property at the WTP site; therefore land acquisition should not be necessary for this alternative. No improvements to the TM system would be required with the third and fourth water storage alternatives.

The proposed improvements will be designed to handle the projected customer demand from the City of Viborg through the year 2030 based on current available projections for growth. The project area to be served

includes the area within the present city limits and areas predicted to be developed within the design period. A layout plan of the City of Viborg is presented in Figure 2.1-1. Growth is expected on the northwest edge of town with a proposed residential development, and potential addition to the hospital, Pioneer Memorial Hospital, on the northwest edge of town. Growth to the Evergreen Assisted Living Center, which is connected to the hospital, can also be expected.

2.1.2 Historical, Cultural, and Archeological: The City of Viborg is located in the south-eastern region of South Dakota in Turner County. Transportation facilities for Viborg include South Dakota Highway 19 north and south through the city, and County Highway 42 east and west through the city. South Dakota State Highway 18 is approximately 6 miles north of the city, and Interstate 29 located approximately 14.5 miles east of Viborg, SD.

The development of this project would not adversely affect any sites listed in the register of National Historic Places. Verification of historic sites will be requested from the South Dakota State Office of Cultural Preservation. Table 2.1-1 lists the locations of Viborg that are registered as National Historic Places.

Table 2.1-1

National Historic Locations of Viborg, SD

Row	City	Resource Name	County
1	Viborg	Daneville Township Bridge No. E-26	Turner
2	Viborg	Glud Theater	Turner
3	Viborg	Spring Valley Township Bridge No. E-31	Turner

2.1.3 Floodplains and Wetlands:

2.1.3.1 Floodplains: Turner County and the City of Viborg do not participate in the National Flood Insurance Program (NFIP). There are no Federal Emergency Management Agency (FEMA) floodplain maps available for Viborg or the surrounding area. It is anticipated that the improvements to the existing water distribution and storage system will not impact the 100-year flood boundaries.

2.1.3.2 Wetlands: It is anticipated that the improvements to the water distribution and storage system will not impact any areas considered as natural wetlands, as defined by the National Wetlands Inventory. Of the alternatives considered for water storage, if a new tower were constructed, it would most likely be located near the old WTP, and any water pipe replacement will take place in the road right-of-way. The pipe replacement will restore the land to pre-construction conditions and therefore not impact any defined wetlands. Figure 2.1-2 shows the proposed improvements with regards to designated wetlands.

2.1.4 Agricultural Lands: It is anticipated that the improvements to the water distribution and storage system will not impact any areas considered as agricultural lands. All improvements are expected to take place at or adjacent to existing infrastructure. New water distribution lines to connect TM Rural Water with the community of Viborg are expected to be adjacent to existing pipe to provide more system capacity for emergency fire protection to the City of Viborg. The land is expected to be restored to pre-construction conditions following installation of the water lines.

2.1.5 Wild and Scenic Rivers: Swan Lake, located approximately 3 miles northwest of Viborg, is the nearest body of water to the city and proposed improvements. The existing raw water source for TM Rural Water, where Viborg gets their water, consists of several wells in the Dolton Aquifer and the Upper Vermillion Missouri Aquifer (Basal Aquifer). The construction of improvements on the TM Rural Water and City of Viborg distribution system are should not cause any temporary or permanent changes to the recreational use of the resources.

2.1.6 Fish and Wildlife Resources: The proposed construction should not impact fish and wildlife. A letter was sent to the US Department of Interior: Fish and Wildlife Services Division and to the South Dakota Department of Game, Fish and Parks requesting comments pertaining to the project. A copy of the agency responses are found in Appendix A.

2.1.6.1 Endangered Species: The proposed water distribution and storage system construction will take place in areas within the City of Viborg and adjacent to state and county road right-of-way north and west of the city. The proposed distribution system improvements include upsizing or parallel pipe from the city to TM Rural Water's existing 300,000 gallon elevated tower, located

approximately 5 miles north and 4 miles west of the city. No adverse impacts to threatened and endangered species are expected to occur as a result of the construction activities associated with this project. A list of threatened and endangered species in Turner County, obtained from the U.S. Fish and Wildlife Service, is shown in Table 2.1-2. The status of those listed in the table are endangered, designated as E, and threatened, designated as T.

Table 2.1-2
Summary of Threatened and Endangered Species in Turner County, South Dakota.

Group	Species	Certainty of Occurrence	Status
Turner County			
Bird	Crane, Whooping	Possible	E
Fish	Shiner, Topeka	Known	E
Plant	Orchid, Western Prairie Fringed[1]	Possible	T

[1] The counties indicated for the Western Prairie Fringed Orchid are counties with potential habitat. Currently, there are no known populations of this species in South Dakota. Status surveys have been completed for the orchid in South Dakota. However, because of the ecology of this species, there is a possibility that plants may be overlooked.

2.1.6.2 Air Quality: The proposed project area and Turner County in general have no major air quality problems. Local air quality problems in the County may occur due to odors from different sources such as the wastewater treatment facilities, livestock feeding operations, manure pits, and numerous other sources. Dust storms may also occur on occasion, particularly in dry years when inadequate vegetative cover has been allowed to remain on the land surface.

The proposed project is not expected to have a long-term adverse impact on air quality in the area.

2.1.7 Water Quality and Quantity

2.1.7.1 Surface Water: The major surface water body near the proposed project is Swan Lake. Impact from this project is not expected for any surface water bodies.

2.2 PROJECT PURPOSE AND NEED

The proposed improvements will eliminate the need for the City to operate and maintain their 100-year old 40,000 gallon water tower, and improve fire protection to the community. TM Rural Water has a 300,000 gallon water tower, constructed in 1995, located approximately 9 miles northwest of Viborg with adequate capacity for providing additional fire protection for the community in addition to the customer demand already purchased through TM Rural Water. Improvements to the rural water distribution system would be necessary to increase flow capacity to the City of Viborg.

Within the City's own distribution system, replacing the old 8-inch CIP under Highway 19 between the water tower and Sorensen Street, and the 4-inch CIP on Highway 19 from Lewis Avenue to Ludwig Avenue, on Lewis Avenue from Highway 19 to Nora Street, and along Harvey Street from Lewis Avenue to Dane Avenue will replace pipe that may have been installed when the tower was erected and has reached its useful life. Pipe of similar age and material in the system have experienced horizontal cracking and failure. Figure 2.1-3 shows locations of proposed pipe replacements.

In addition to fire protection and distribution system improvements, replacing all customer water meters in town is recommended because the current remote transmitting equipment is being phased out and replacement parts will not be available for much longer. The new meters are expected to have automatic read capability to reduce manpower hours required to manually read the existing meters, and increase the accuracy of water records for Viborg's customers. Also, the new transmitter equipment will have similar warrantees and life expectancies to the meters. By replacing the meter at this time, compatibility problems with other meter brands in the system will not be encountered.

Deficiencies in the water distribution system need to be corrected to reduce operation and maintenance costs associated with the aging tower, aging cast iron pipe and obsolete water meters. Also, replacing the water lines beneath Highway 19, Lewis Avenue and Harvey Street will be coordinated with highway resurfacing and to replace 50-60 year old pipe. The existing distribution system and elevated storage tank is further described in Section 4 of this report. The alternatives for upgrading the system and the recommended alternative are described in Section 5 and Section 6.

2.3 PROJECT IMPACT

2.3.1 Direct and Indirect Impacts on Environment: Previous portions of this section have addressed the impact of the proposed project on water quality, fish and wildlife, historical and archaeological sites and air quality. The remainder of this section addresses other impacts of the proposed project and mitigation measures that may be necessary to limit adverse impacts.

2.3.1.1 Land Resources: Construction of the proposed improvements may require excavation to install new water pipe north and west of the City, and demolition of the existing 40,000 gallon elevated storage tank located at Park Avenue and Main Street in Viborg. Potential

adverse environmental impacts during construction and demolition include short term localized erosion and airborne dust from the construction site through wind action and heavy equipment use. Erosion and sediment control practices include both temporary measures such as temporary fencing, erosion control barriers, and seeding and grading of properly sloped drainage ways.

2.3.1.2 Air Resources: Air quality may be locally degraded by increased particulate levels during excavation and construction work associated with the proposed improvements. Temporary increases in construction equipment emissions are not expected to be significant to the general impacted area. Measures that can be taken during construction to control excessive airborne dust are listed below.

- Watering and/or the use of dust retardants before and during construction,
- Stabilizing temporary and permanent access roads to prevent erosion,
- Proper placement and compaction of stockpiled soil and excavated material to reduce particulates,
- Regrading, resurfacing, and/or reseeding dust-prone areas and disturbed terrain immediately, and
- Limiting construction activities during periods of high winds.

2.3.1.3 Wildlife Resources: The proposed project may result in construction activities within the City of Viborg, and outside the city limits along existing road right-of-way approximately 5 miles north and 4 miles west of the City. Wildlife will be deterred from occupying the area immediately adjacent to the sites due to

construction activities. No long-term adverse effects on wildlife are expected as a result of this project.

2.3.1.4 Cultural Resources: The construction and operation of the water distribution and storage improvements are not expected to have any significant adverse short-term or long-term impact on cultural resources of the area. The only apparent potential impact may be the unearthing or covering up of historic or archaeological resources during construction excavation. In the event that archaeological or historic resources are unearthed during construction excavation, the immediate stoppage of work is dictated by a required condition in the contract specifications. A records search will be requested for those areas expected for construction on previously undisturbed land.

Construction should bring a slight economic boost to the area through the hiring of local labor, retail trade by construction employees, and purchase of miscellaneous building supplies and fuel.

2.3.2 Impact on the Environment with No Improvement Action Taken: If no action is taken, the facility will continue to operate and maintain their century-old elevated storage tank. Maintenance will become more frequent and costly with the corroding steel of the tank and the support structures. Low pressures and reduced fire fighting capabilities in the south side of town will continue due to undersized pipe. Increased emergency maintenance and potentially high water loss from cracks in the old cast iron pipe can be expected. Aging water meters and an obsolete transmitting system will require replacement in the near future. If the meters and transmitting system are not replaced, water usage records will not be accurate for residential and commercial water and sewer billing.

Because the City of Viborg purchases water from a rural water system, billing would need to be adjusted to recover most rural water cost, and customer bills may not reflect actual usage which would result in unfair billing to the City of Viborg's customers. In summary, improvements through upgrades to the TM Rural Water system to provide additional water storage and fire protection, the abandonment of the City's existing aging water tower, and replacement of obsolete water meters throughout the city are necessary to reduce operation and maintenance costs, provide increased reliability for fire protection, and increase reliability of water meter records for more accurate billing to the City of Viborg's customers.

END OF SECTION 2

SECTION 3: SUMMARY OF HYDRAULIC ANALYSIS

3.1 DESCRIPTION OF THE HYDRAULIC ANALYSIS

3.1.1 Introduction:

A computer model of the water distribution system was constructed using Infowater. Infowater is a GIS-based modeling software produced by MWH Soft, Inc. that provides network analysis and dynamic simulation computations. The model includes a storage tank, a water source reservoir to represent TM Rural Water, a flow control valve, and pipe in the existing water distribution system. The model was calibrated against actual operating data provided by the City of Viborg.

3.1.2 Model of Existing System:

The model is a collection of nodes connecting pipes to form a skeleton of the existing distribution system. The model includes the length, diameter, and roughness of each pipe; ground elevation and demand at each node; flow control information for the flow control valve; and ground elevation, minimum tank elevation, maximum tank elevation (i.e. overflow elevation), tank diameter, and initial tank level. Controls were set on the flow control valve to simulate the actual operation as described by the city staff.

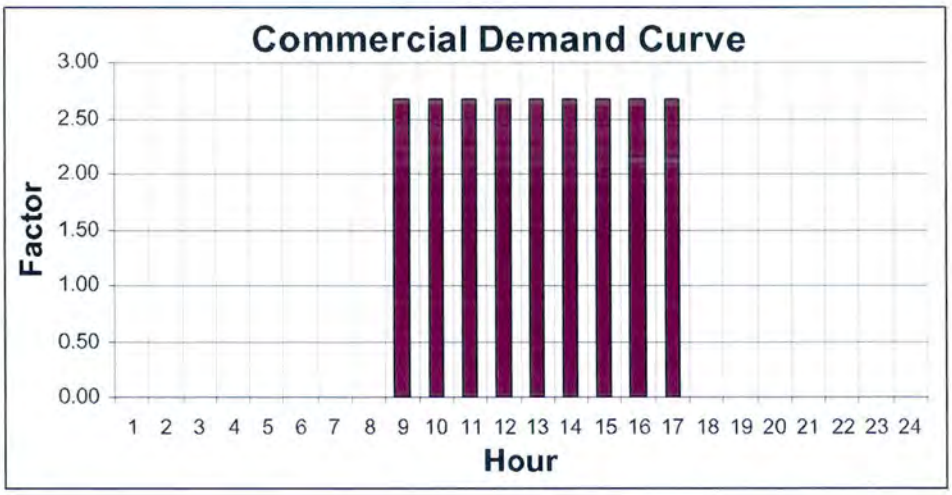
The model was built using the city utility maps, construction documents on file, and descriptions from the city staff. An aerial photo was used as a backdrop to help provide accurate locations and lengths of pipe. Digital Elevation Maps (DEMs) were used to find the elevations of each node. The tank information and controls were compiled using information provided by the City.

The water demands for each node in the model of the existing system were based on the 6-year (2003-2009) average daily water use data provided by the city staff. The six-year average of each area was then calculated and

distributed over the nodes in the respective area. Typical residential and commercial demand patterns are shown below.

Figure 3.1-1: Residential Demand Curve

Figure 3.1-2: Commercial Demand Curve



3.1.3 Calibration of Existing Model:

Special effort was taken to ensure the system was accurately modeled. The model was calibrated against actual data obtained from pressure gauges placed at strategic locations within the system. Figure 3.1-3 shows the locations of field flow testing.

The goal of the field flow calibration effort is to provide a model that will confidently predict pressures within 5 psi. Hydraulic models are generally hard to calibrate to accuracies higher than this benchmark without very extensive field data collecting. On March 11, 2010, Banner Associates, Inc. and city personnel recorded residual pressures at 5 different fire hydrants selected to provide a representative sampling of the distribution system age, pipe diameters, and materials of construction. During the summer of 2009, pressures and flows from 5 fire hydrants were recorded. Pressure gauges were installed on fire hydrants upstream and downstream of the flowing hydrant. Hydrants were opened to simulate a high flow condition within the main being tested. After pressures stabilized, flow rates and pressures were recorded at each hydrant. The static pressures were recorded without flowing the hydrants to obtain typical pressures through the system during average flow conditions. This information was entered in the model and used to determine the roughness coefficient of the water main.

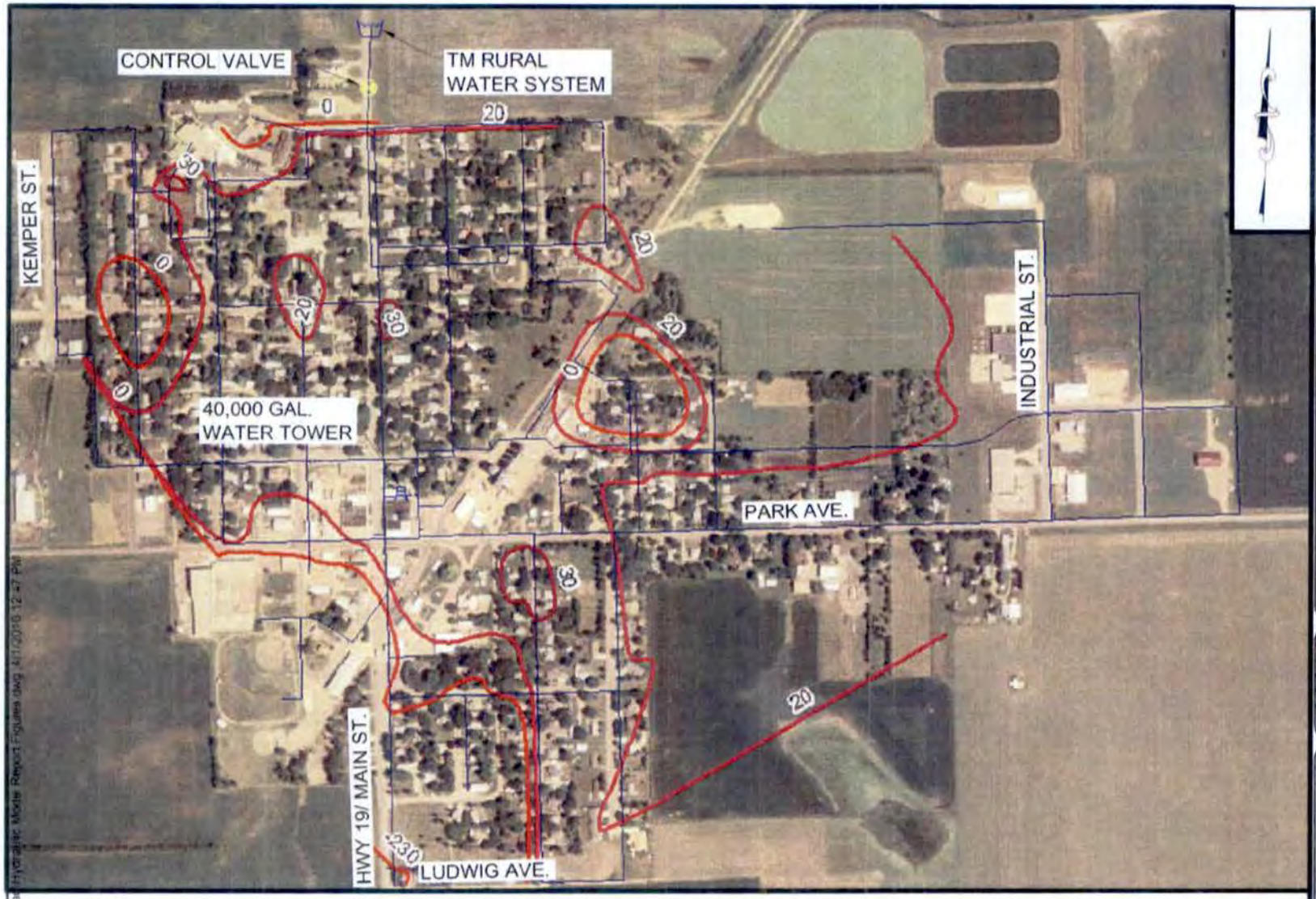
The roughness coefficient is the "C" value in the Hazen-Williams equation for pipe flow. The coefficient varies with pipe age, type of pipe lining, amount of tuberculation[1], amount of chemical deposits, and other factors. The higher the "C" value, the higher the flow capacity of the pipe. The "C" value of new PVC is 140 and the "C" for new cement-lined ductile iron pipe is 130. The "C" value generally decreases with pipe age. Therefore, pipe in the model have assumed "C" values of between 90 in the older center part of town and 140 on the new outer edges of town.

[1] Tuberculation is a series of corrosion deposits that project from the pipe walls that cause headloss in the pipe.

A pipe equivalent of 325 foot 6-inch diameter for the fire hydrant leg was used at each test location to account for the losses through the fire hydrant. The minor losses were based on normal fire hydrant losses and estimated using the flow rate and age of the pipe.

During average flow or static conditions, 100 percent (100%) of the model predictions were within the 5 psi benchmark. During high flow or fire flow conditions, the model predicted pressures within 5 psi on 50 percent (50%) of the tests and within 10 psi on 100 percent (100%) of the tests. The results indicate a hydraulic model that can accurately predict events within the distribution system. The table in Appendix B shows a summary of the data obtained during flow testing and calibration.

The normal pressures of the model range from 40 psi to 75 psi. The fire flows are between 400 gpm at the end of non-looped subdivisions and 1500 gpm along major watermains. Figures 3.1-4 and 3.1-5 show the minimum pressure contours and the results of the available fire flow analysis, respectively, for the existing system. The Insurances Services Office (ISO) generally recommends that a system the size of Viborg's be capable of delivering a fire demand 500 gpm to 3,500 gpm at a minimum pressure of 20 psi. For a building protected by automatic sprinklers, such as the hospital, the needed fire flow is the required fire flow at the base of the riser plus a hose stream allowance.



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PROJECT TITLE:

VIBORG
WATER SYSTEM
FACILITY PLAN

PROJECT LOCATION

VIBORG
SOUTH DAKOTA

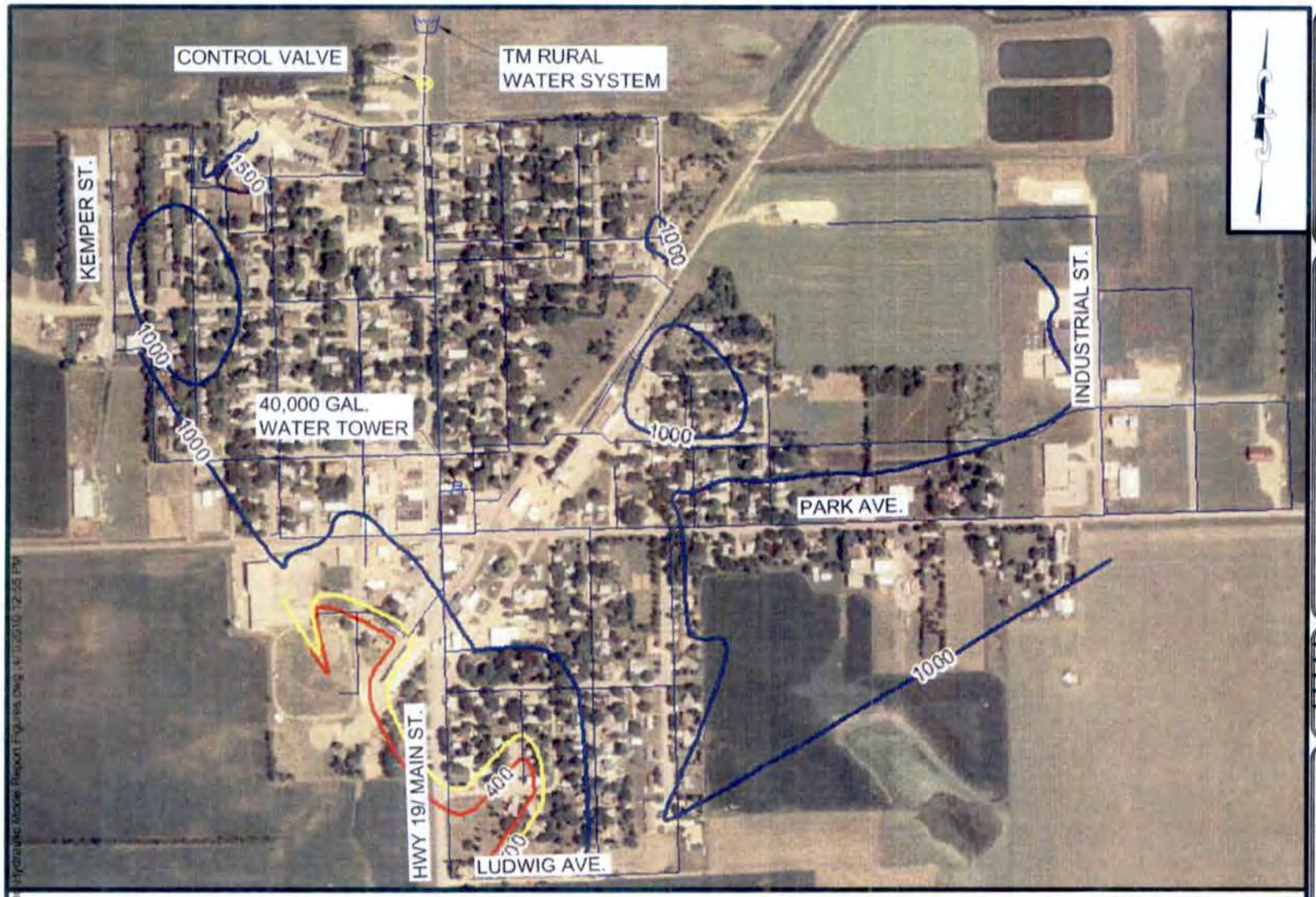
DRAWN BY: C.D.M.
DESIGNED BY: E.M.S.
CHECKED BY: E.M.S.
JOB NO: 21147.00.01
DATE: APRIL 2010

SHEET TITLE

HYDRAULIC MODEL
- MINIMUM
PRESSURE
CONTOURS FOR
CURRENT SYSTEM

FIGURE NO

FIGURE 3.4



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HYDRAULIC MODEL
- AVAILABLE
FLOW
CONTOURS FOR
CURRENT SYSTEM

FIGURE NO.

FIGURE 3.5

3.1.4 Fire Flow Analysis:

A fire flow analysis was conducted to test the capability of the distribution system to maintain a minimum of 20 psi pressure during periods of fire demands. The fire flow demands were determined during peak hour demands. The results of the available fire flow analysis for the existing system to develop a flow with 20 psi at the hydrant are presented in Figure 3.1-5 previously. If the model indicated a pressure less than 20 psi elsewhere in the system during the fire flow, the flow was adjusted until all pressures in the system were a minimum of 20 psi. Note that the hydraulic model fire flow analysis may not be the same flow achieved in the system unless the pressure at the hydrant is allowed to drop close to 20 psi.

The fire flow rating for a community is based on the Insurance Services Office (ISO) Fire Suppression Rating Schedule (FSRS). Ten percent (10%) of the overall rating is based on how well the fire department manages its fire-fighting resources and fire alarm communication. This includes an evaluation of the communications center, the number of telephone lines coming into the center, the number of operators, and the process of notifying firefighters to the location of the emergency.

Fifty percent (50%) of the overall rating is based on the fire engine companies and the amount of water the community needs to fight a fire. This includes the distribution of the engine companies in the community, the maintenance and testing of the fire department's equipment, type and extent of training, number of people who participate in training, and firefighter response to emergencies.

Forty percent (40%) of the rating is based on the community's water supply, including water storage, distribution of fire hydrants, and size of

mains. Typical fire flow in residential areas with one or two family dwellings is given in the following table.

Table 3.1-1: Needed Fire Flow in Residential Areas

Distance between Structures	Needed Fire Flow
More than 100 feet	500 gpm
31 to 100 feet	750 gpm
11 to 30 feet	1,000 gpm
10 feet or less	1,400 gpm

The criteria used for assessment of fire flow requirements in other parts of the community can be taken from the "Guide for Determination of Needed Fire Flow" published by the Insurance Services Office (ISO) in 2008.

Insurance Services Office (ISO) Method:

$$C_i = 18 \times F \times (A_i)^{0.5}$$

$$NFF = (C_i)[O_i + (X_i + P_i)]$$

NFF = needed fire flow

F = construction class coefficient

A_i = total floor area

C_i = construction factor

O_i = occupancy factor

X_i = exposure factor

P_i = communications factor

The buildings should be examined to determine the construction class coefficient (F). The floor area of each building should be determined and multiplied by the number of stories of each building to find the total area, which is used to calculate C_i. ISO rounds the calculated value of C_i to the nearest 250 gpm. The value of C_i shall not be less than 500 gpm, nor more than 8,000 gpm for Construction Class 1 and 2 and 6,000 gpm for other construction classes and all 1-story buildings.

The Occupancy Factor (O_i) is based on the use of the building and the combustibility of the contents inside the building. The Exposure Factor (X_i) is determined by the influence of adjacent buildings. The Communications Factor (P_i) is determined by a passageway to an adjoining building. The maximum value of ($X_i + P_i$) is 0.60.

The maximum NFF is 12,000 gpm and the minimum NFF is 500 gpm. If the NFF is less than 2500 gpm, then round to the nearest 250 gpm. If the NFF is greater than 2500 gpm, then round to the nearest 500 gpm. Based on the Fire Protection Handbook (NFPA, 2003), the duration of required fire flow less than 3,000 gpm is 2 hours, and 1 hour additional for each 1,000 gpm additional fire flow, and 10 hours for a fire flow 10,000 to 12,000 gpm.

3.1.5 Analysis of the Future System:

3.1.5.1 Analysis of Projected Changes to the System:

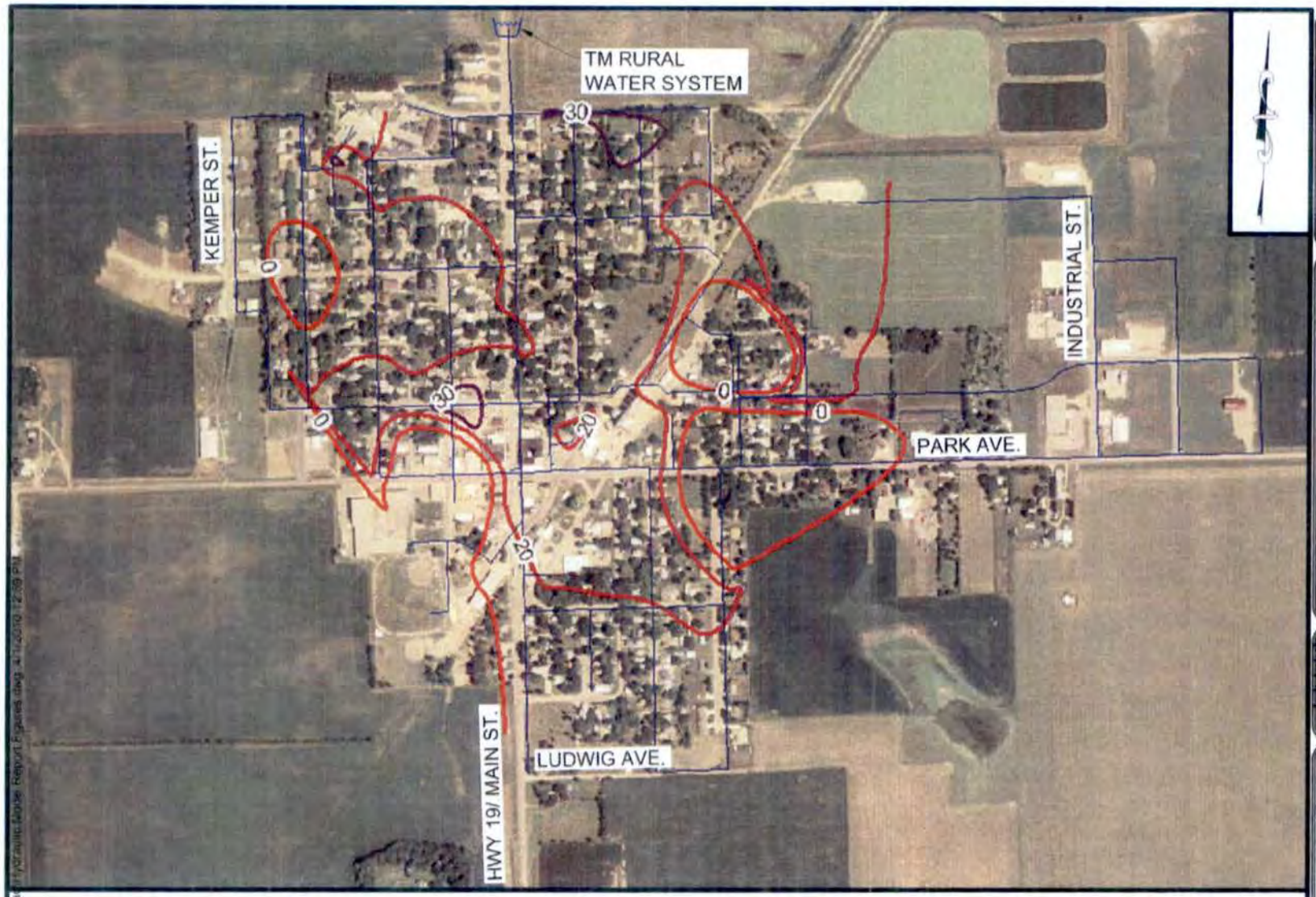
The City of Viborg is not expected to see substantial growth in the next 20 to 30 years; therefore the effects of increased demands were not studied in the model. However, the system is expected to see modifications with the use of TM Rural Water for fire protection needs.

The model was modified to signify the removal of the existing 40,000 gallon elevated tower and the 120,000 gallon clearwell ground storage reservoir. The connection from TM was increased from a 6-inch pipe to a 12-inch pipe and moved from the old WTP location to the north edge of town. By moving the TM connection to the north edge of town, it is closer to the hospital, a major water user in the system, and will reduce pipe replacement within city limits. Select piping on the south side of town was also modified for proposed upgrades to replace some of the oldest pipe in town and

improve pressures at the high spot. The proposed piping and system changes were modified in the model for the future scenario and the model was run to determine the performance of the system in the future. Typical daily demands were projected to be 127 gpm.

The distribution system was sized so the velocity in the pipe was less than 5 fps for pipe diameters less than 12-inch. Minimum pressures were set at 35 psi for static demands on maximum day and 20 psi for a minimum of 1,000 gpm fire flow, but in no case were the existing minimum pressures and available fire flows decreased. Maximum pressures were kept below 90 psi. A more detailed pipe analysis should be performed to determine exact locations of bottlenecks in the system and pipes that should be replaced to increase fire flows to recommended limits. Older pipe and pipe under 6-inch diameter should be considered for replacement first.

Figures 3.1-6 and 3.1-7 show the minimum pressure contours and the results of the available fire flow analysis, respectively, for the proposed future system.



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CONTOURS FOR
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FIGURE NO

FIGURE 3.6

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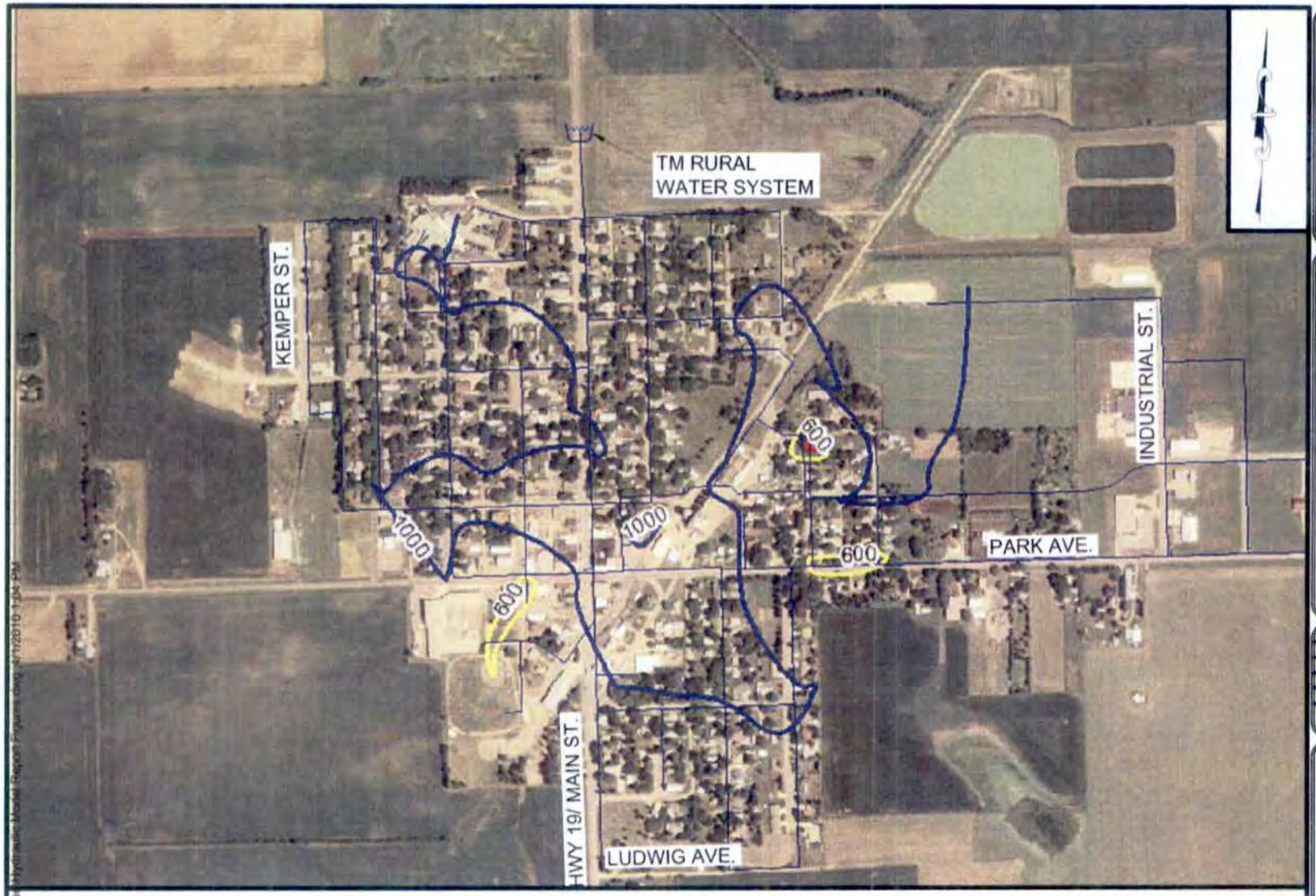

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FIGURE NO

FIGURE 3.7

SECTION 4: SUMMARY OF EXISTING AND FUTURE CONDITIONS

4.1 PROJECT NEED AND PLANNING AREA IDENTIFICATION

Improvements to the Viborg water distribution and storage system are needed to provide reliable storage and fire protection, metering, and replace old cast iron pipe throughout town for the customers of Viborg.

The project improvement area is defined as the existing distribution system within Viborg, South Dakota, and portions of TM Rural Water's distribution and storage system north and west of the City of Viborg.

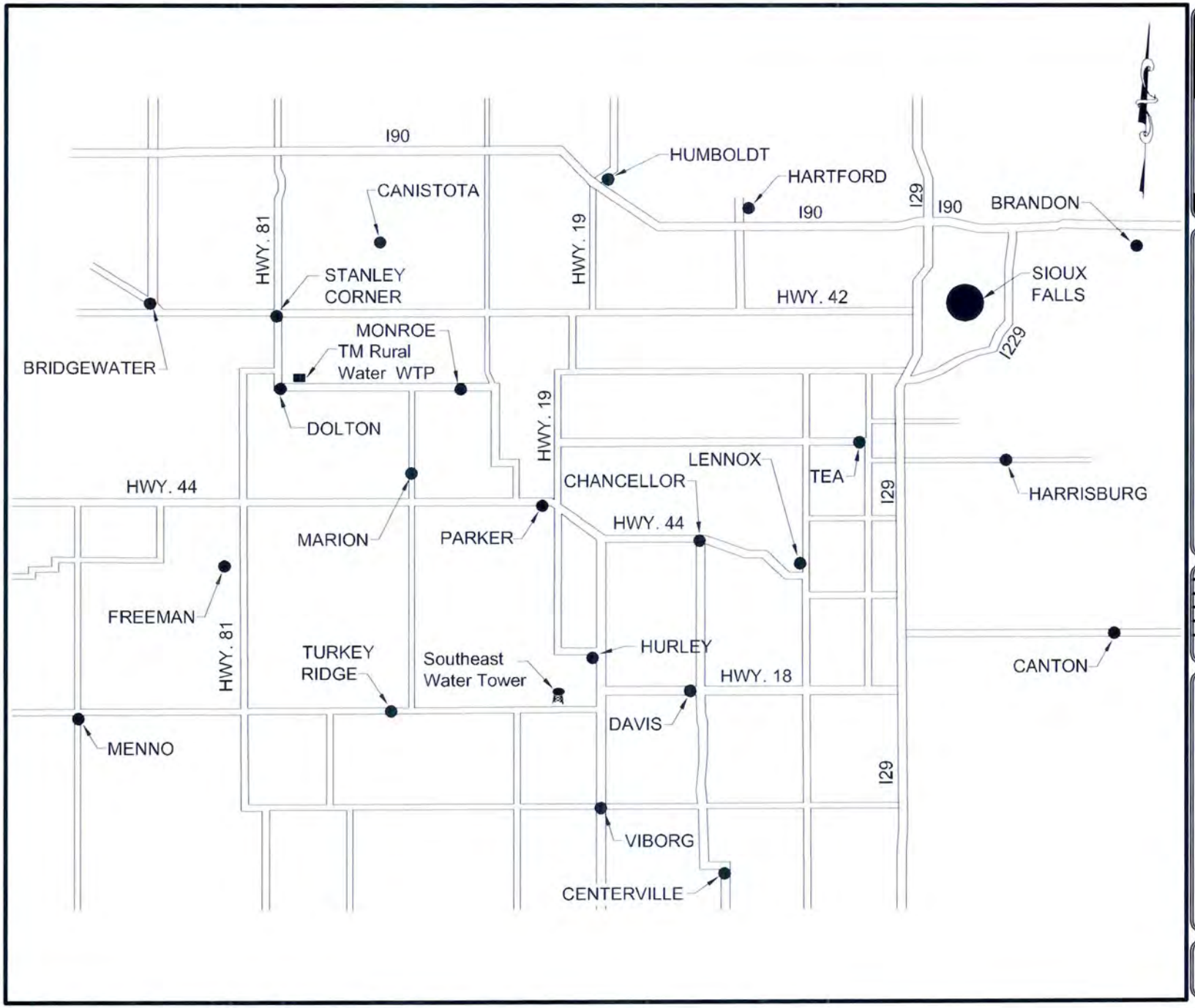
4.2 EXISTING FACILITIES DESCRIPTION

4.2.1 Existing Water Treatment Facility:

4.2.1.1 General: The City of Viborg purchases water from TM Rural Water in bulk and distributes it to the residential and commercial customers in Viborg.

The TM Rural Water System WTP is located approximately ½ mile east of the Town of Dolton, South Dakota. TM started treating water in 1984. The existing lime softening plant was built in 2008.

TM Rural Water supplies water to 5 communities, 1,350 individual rural customers, and 1 industry. The cities that the District serves are Canistota, Dolton, Hurley, Viborg, and Marion. In 2008 TM started providing water for an ethanol plant located northwest of the town of Marion. See the location of the existing treatment facility and current service area in Figure 4-2.1.



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SHEET TITLE

TM RURAL WATER SYSTEM WATER TREATMENT PLANT LOCATION

FIGURE NO

FIGURE 4.2-1

4.2.1.2 Process Treatment: The treatment process at the TM Rural Water District Water Treatment Plant is a lime softening plant that was placed in service on January 1, 2008. This plant replaced the original treatment facility located on the same property.

The water treatment plant is currently designed for a flow of 4 MGD. The water enters the aerator, located on the upper level above the chemical feed and storage area, and flows through the aerator by gravity. From the aerator, the water is piped to the bottom of the solids contact unit. Lime is added in the reaction zone of the solids contact unit for softening and the oxidized particles collected in suspended slurry and are blown out of the base of the solids contact unit. Clarified water is removed from the top of the solids contact unit and directed to the Recarbonation Basin.

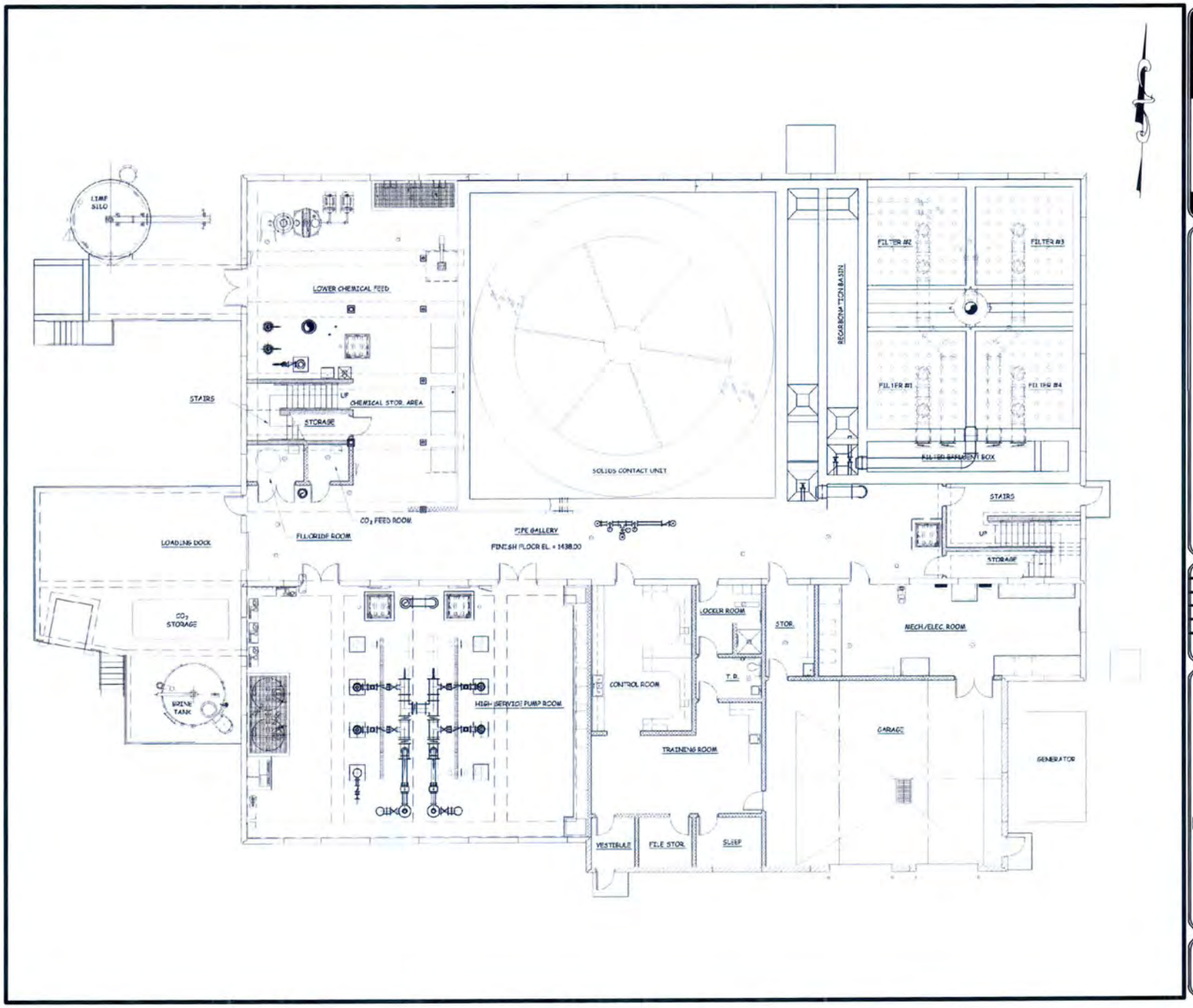
Carbon dioxide is added to the water through a diffuser and reacts with the water to reduce the pH to a more stable level, which will prevent the deposition of hard carbonate scale on filter sand and distribution piping. Following recarbonation, the water is directed to a 4-cell gravity dual media filter system with a design rate of 2,800 gpm when filtering at a rate of 2.73 gpm/sf of total filter area. The filters remove oxidized iron and manganese from the water. The filtered water is then collected and piped to the clearwell(s) where chlorine and fluoride are added to the water.

The clearwells include a 900,000 gallon ground storage reservoir west of the treatment plant, and a 300,000 gallon ground storage tank adjacent to the old water treatment plant. Space is reserved for a third reservoir immediately west of the 900,000 gallon

reservoir. Four (4) high service pumps are located inside the water treatment plant which pumps water from the ground storage reservoir/clearwell into the distribution system. There is space for an additional three (3) high service pumps. The existing water treatment plant is as shown on Figure 4.2-2.

4.2.1.3 Chemical Feed Systems: The TM Rural Water Districts Water Treatment Plant feeds several different chemicals throughout the treatment process. The chemicals fed are: lime, carbon dioxide, chlorine, and fluoride.

1. *Lime*: The lime feed system at the water treatment plant consists of a lime silo, screw conveyor, batch slaker, grit separator, and slurry aging tank, two (2) peristaltic hose pumps, and lime slurry trough. Lime is fed to the solids contact unit.
2. *Carbon Dioxide*: The recarbonation system consists of a 10 ton liquid carbon dioxide storage tank that is supplied with a vaporizer, heater and chiller, an automatic pH control panel is housed in the treatment plant, and a channel diffuser in the recarbonation basin. A pH probe is located in the recarbonation basin and controls the amount of carbon dioxide injected into the water.
3. *Chlorine*: The chlorine feed system at the water treatment plant consists of a sodium hypochlorite generation system which utilizes a brine solution, water and electricity to form a 0.8% sodium hypochlorite solution. The system consists of a water softener, brine generator tank, generator/cell rack, two (2) sodium hypochlorite solution tanks, and four (4) chemical metering pumps, with one reserved as a spare. Chlorine can be fed in the pipe going from the wells to the aerator, in the filter



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DESIGNED BY:	E.M.S.
CHECKED BY:	E.M.S.
JOB NO.:	21147.00.01
DATE:	APRIL, 2010

SHEET TITLE

TM RURAL WATER SYSTEM WATER TREATMENT PLANT FLOOR PLAN

FIGURE NO.

FIGURE 4.2-2

influent, in the filter effluent box, and in the pipe before the east cell of the clearwell and the west cell of the clearwell.

4. *Fluoride*: The fluoride feed system at the water treatment plant consists of a 300 gallon solution tank, two chemical metering pumps, an air break box, and a diffuser. The purpose of the air break box is to prevent any siphoning of the solution tank into the water supply in the case of a power outage. The type of fluoride fed is hydrofluosilicic acid. Fluoride is fed in the pipe going from the filters to the clearwell.

4.2.2 Water Source Capacity:

4.2.2.1 General: The TM Rural Water Treatment Facility is a ground water treatment facility treating water from the Dolton Aquifer and the Upper Vermillion Missouri (UVM) (Basal) Aquifer. Five wells are located in the Dolton Aquifer (Wells #1, #2, #3, #6, and #7), and one well is located in the Basal Aquifer (Well #4). There is approximately 6 MGD appropriated for the TM Rural Water District.

TM Rural Water District also purchases 640,000 gallons guaranteed water from B-Y Water District, however this water is contained in a stand-alone pipe network and delivered directly to the customer. The water purchased from B-Y will not be delivered to the City of Viborg. The wells are located ½ mile to 3 miles from the water treatment plant.

4.2.2.2 Capacity of Wells: TM Rural Water District possesses Water Rights Permits for three wells in the Dolton Aquifer and one well in the Basal Aquifer. The three original Dolton Aquifer wells are permitted for 1180 acre-ft or an average rate of 1.05 MGD

withdrawal, and a maximum rate of 2.16 MGD; the Basal Aquifer well is permitted for 1500 acre-ft or an average rate of 1.34 MGD withdrawal, and a maximum rate of 2.68 MGD; and the most recent wells from the Dolton Aquifer are permitted for 1690 acre-ft with a maximum rate of 1.44 MGD. Therefore, the total water currently permitted for TM Rural Water is 4370 acre-ft, and a maximum rate of 6.28 MGD. The water rights are contingent upon the availability of water in the aquifer from which the right has been granted. Water rights for the TM system are summarized in Table 4.2-1.

Table 4.2-1: Water Rights Permits for TM Rural Water District

Permit No.	4988-3	5608-3	6823-3	TOTAL
Amount Reserved Acre*Ft Ave. Rate Max. Rate	 1180 1.05 MGD 2.16 MGD	 1500 1.34 MGD 2.68 MGD	 1690 - 1.44 MGD	 4370 - 6.28 MGD
Description of Facility	Well #1, #2, and #3	Well #4	Well #6, and #7	
Priority Date	September 28, 1983	October 11, 1989	March 13, 2006	
Comments	Established by Future Use Permit No. 4979-3.	Established by Future Use Permit No. 5358-3	Established by Future Use Permit No. 6705-3	

4.2.3 Description of Existing Distribution System and Storage: The City of Viborg owns and operates their water distribution system and elevated storage tank.

4.2.3.1 Viborg's Existing Water Storage System: Water storage for the City of Viborg is provided by a 40,000 gallon steel cone style elevated storage tank and a 120,000 gallon below ground clearwell.

The elevated storage tank is located on Center Avenue between Adams Street and Van Buren Street. It was constructed in 1909 and is reaching its useful life. The tower is inspected every three years.

Several improvements have been made to the tower in the past few years. In 2005, the gaps between the tower sidewalls and the roof were sealed, a ventilation port with mesh screen was installed, and the frost jacket at the base of the bowl was repaired. In 2007, the exterior was repainted following hand and power tool surface preparation, and a ladder vandalism guards were installed. Pictures of the freshly painted tower are in Appendix C.

Items that have been recommended for improvement to the tower which have not been performed to date include removing the coal tar epoxy lining from the tank interior, installation of a step-off platform, and replacement of cross bar supports. The interior coating has ice damage and with the existing black colored coating it is hard to see the extent of damage to the riveted steel tank. The black coating also makes it difficult to see any sediment that may need to be cleaned out of the tank.

A new epoxy lining would be a light color which would show rust and sediments more easily for inspection and maintenance. The step-off platform would allow safer access from the lag ladder to the balcony. The tower exterior supporting cross bars were painted in 2007, however replacement of deteriorating members is recommended. In March 2010, the tower sprung a leak due to a corroded gasket for a small access hatch in the tower's bowl. The hole was patched making this particular access hatch unusable.

The 120,000 gallon clearwell is located at the WTP located at Hoyer Avenue and Elmwood Street. This WTP is no longer used to treat water but is heated during the winter because the TM Rural Water connection is housed in the building, and high service pumps are used weekly to pump water from the clearwell into the distribution system. The clearwell was built in 1980 and has been cleaned within the last 5 years.

4.2.3.2 Viborg's Existing Distribution System: The existing distribution system serves the City and is available to all users. The majority of the distribution system consists of four, six and eight inch water main. The system also has approximately 1,800 L.F. of 10-inch pipe between the original treatment plant and elevated water storage tank. Pipe materials in the system are cast iron and PVC. The City is slowly replacing the 50-60 year old CIP. Photos from a section of 6-inch pipe removed from the system in early 2010 are found in Appendix C. New pipe was added to the system in 2007 to provide additional looping to the system on the north and south edges of town. Upgrades to existing pipe were recommended in the 2007 Water System Facility Plan, and improvements have been made following some of the recommendations. A map of the distribution system in Viborg is shown in Figure 2.1-1.

4.2.3.3 TM Rural Water's Existing Water Storage and Distribution System: TM's water distribution system is comprised of eight high service pumps, three booster pump stations, four water towers, and approximately 800 miles of water pipe. The closest water tower to the City of Viborg is a 300,000 gallon elevated storage tank that was constructed in 1996 and located approximately 9 miles northwest of the city.

Water from the TM system enters the city from the north and is piped to the original WTP in Viborg. This treatment facility is no longer used for treatment but provides a location for the bulk water meter, and additional water storage in the clearwell for fire protection. The original high service pumps in the WTP are also used once a week to pump water out of the clearwell and periodically when the 40,000 gallon tower reaches a low level during peak demands.

4.2.4 Present Water Rates: The City of Viborg purchases water in bulk from TM Rural Water and distributes it to residential and commercial customers in Viborg. The City pays a bulk rate to TM Rural Water and charges a user rate to customers to recuperate their costs.

4.2.4.1 TM Rural Water Bulk Water Rate: The present water rate for bulk water to the City of Viborg is $6,051 monthly minimum (including the first 2,017,000 gallons) and $0.75 per 1,000 gallons of water used over 2,017,000 gallons. The monthly minimum is reviewed annually for the average annual usage, and adjusted every April as the utility sees fit. The monthly minimum can be increased or decreased depending on the previous year's usage records. Rates were decreased in 2009. A table of historical water usage for the City of Viborg is found in Appendix D.

4.2.4.2 Viborg Water User Rate: The present water rate for a resident of Viborg is $16.00 monthly minimum (including the first 100 cf of water) and $4.00 per 100 cf of water used over 100 cf. Included in the $16 monthly minimum is $5 water improvement fee, therefore $11 goes directly to the operation and maintenance of the system and to pay TM Rural Water for bulk water delivered. A summary table of historical water usage for individual water customers in the City of Viborg is found in Appendix D.

4.3 WATER QUALITY

The City of Viborg purchases treated bulk water from TM Rural Water. Water quality data presented represent treated water quality from the TM Rural Water System WTP near Dolton, SD. The treated water qualities from TM Rural Water and related US EPA National Secondary Drinking Water Regulations are listed in Table 4.3-1. When compared to the recommended National Secondary Drinking Water Regulations, those constituents not currently meeting the secondary standards include total dissolved hardness (TDS), sulfate, and pH.

Table 4.3-1: Treated Water Quality

Parameter	US EPA Secondary Regulations	Treated Water 11/3/2009
TDS (mg/l)	500	675
Sulfate (mg/l)	250	386
Calcium (mg/l)	-	20.9
Magnesium (mg/l)	-	18
Total Hardness(mg/l $CaCO_3$)	-	126
Sodium (mg/l)	-	165
Chloride (mg/l)	250	22
pH (pH units)	6.5-8.5	8.53
Iron (mg/l)	0.3	0.03
Manganese (mg/l)	0.05	0.02
Nitrate (mg/l)	10	0.2
Fluoride (mg/l)	-	1

4.4 FUTURE CONDITIONS

4.4.1 Population and Land Use Projections:

4.4.1.1 Present Population: The population of the City of Viborg, South Dakota has been increasing in recent years. Census data for the past census periods is summarized in Table 4.4-1.

Table 4.4-1: Population Census Data

YEAR	POPULATION
1910	410
1920	618
1930	719
1940	659
1950	644
1960	699
1970	662
1980	812
1990	763
2000	832

The growth of Viborg between 1910 and 1940 was cyclical, and moderate overall growth is indicated by the data. Population data from South Dakota State University Census Data Center indicates that the City's growth has somewhat stabilized in the past three decades, with a spread of less than 70 people from 1980 to 2000.

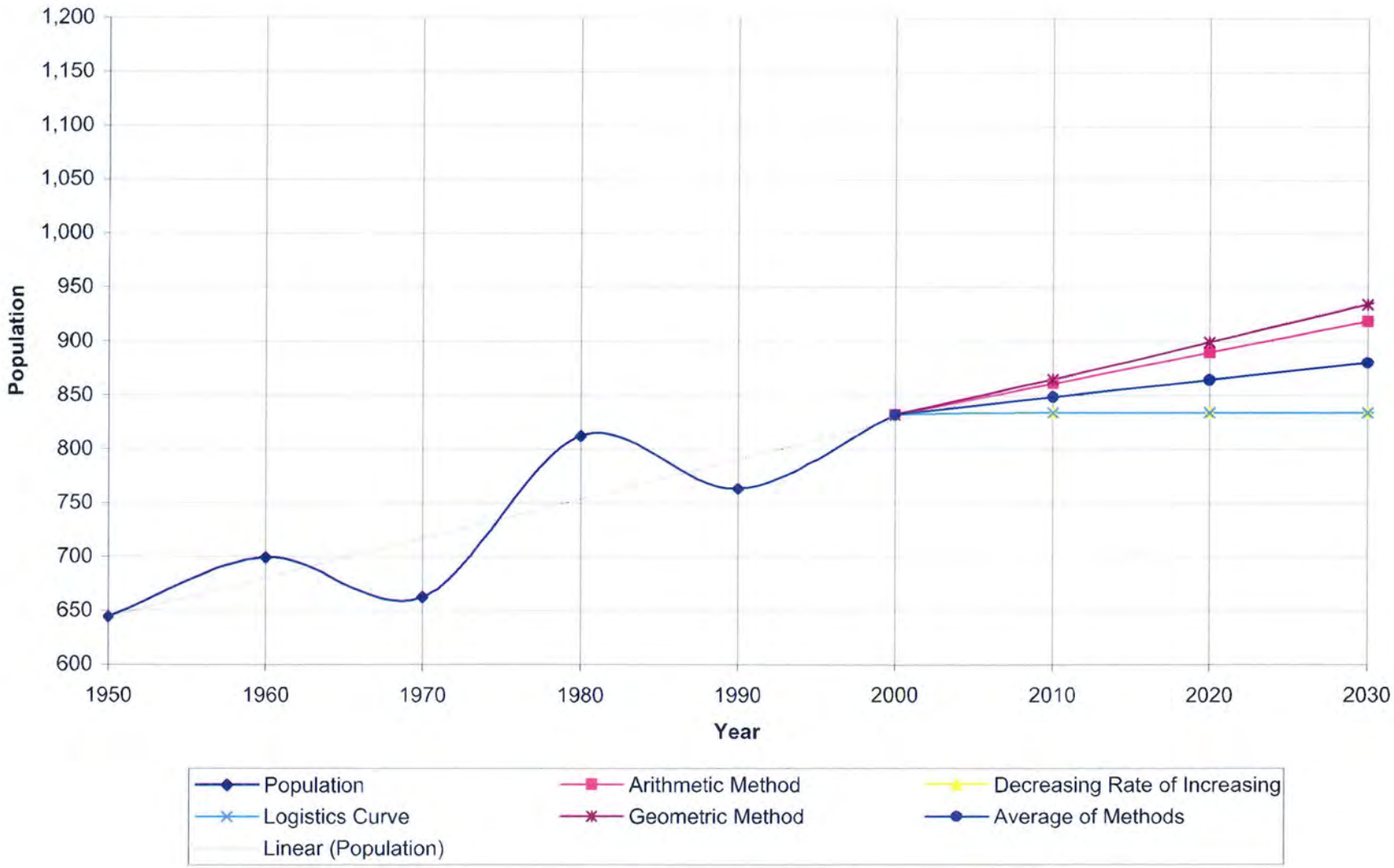
4.4.1.2 Projected Population: The future growth of the City was projected to analyze the water distribution system and storage. Based on the existing population data, population projections for the year 2040 were made based on four different methods. This data is also shown in Table 4.4-2 and Figure 4.4-1.

Table 4.4-2: Population Projections

METHOD	2010	2020	2030	2040
Arithmetic Progression	861	890	919	947
Decreasing Rate of Increase	834	834	834	834
Logistics Curve	834	834	834	834
Geometric Progression	865	899	935	972
AVERAGE	848	864	881	897

The projected population for the year 2040 ranges from 834 to 972 people. The average population obtained from the four different methods is 897 persons. However, unknown circumstances can result in accelerated or decelerated rates of growth. For these reasons, flexibility in planning for future water supply and storage needs must be included in the decision-making process.

Figure 4.4-1: Population Trend for Viborg, South Dakota

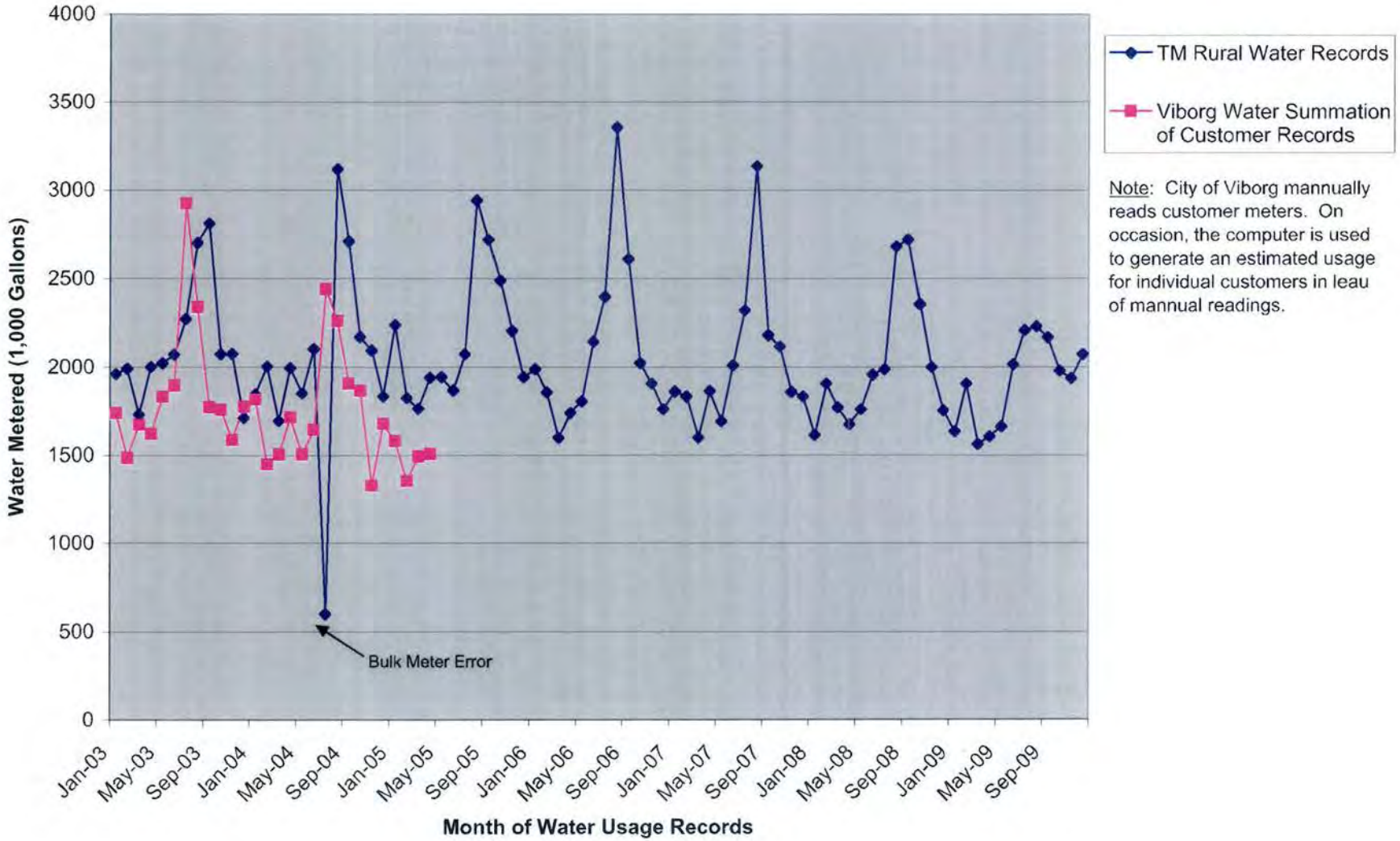


4.4.1.3 Forecast of Water Usage: Viborg maintains records of the amount of water purchased from TM Rural Water, and the amount sold to customers. When water meters reach their expected useful life they do not always provide an accurate reading of water delivered to customers. For design purposes, the difference between the two is the amount of "Unsold" water. The amount of bulk water sold versus the amount of customer water usage for the years 2005-2008 are summarized in Table 4.4-3. Figure 4.4-2 shows the water records from TM Rural Water System's bulk meter for the City of Viborg compared to a summation of the individual customer meters in Viborg.

Table 4.4-3: Summary of Water Records in 2005-2008

Year	Total Bulk Water Sold (gal/yr)	Total Water Usage Sold (gal/yr)	"Unsold" Water (%)
2005	24,060,000	22,824,525	5%
2006	25,943,000	N.A.	N.A.
2007	25,188,000	22,350,988	11%
2008	24,304,000	21,063,380	13%

Figure 4.4-2: Water Usage for Viborg, SD



Note: City of Viborg mannually reads customer meters. On occasion, the computer is used to generate an estimated usage for individual customers in leau of mannual readings.

Unsold water is water that is used but not metered; therefore, no revenue is generated from the use of this water. Some uses of water that is not metered are: flushing new pipe, flushing fire hydrants, city uses (such as public parks, swimming pools, recreational areas), and other miscellaneous uses. For a typical community that treats their own water, the amount of unsold water is approximately 15 – 20%; therefore Viborg's unsold water should be less than this because they are not using water in the water treatment facility for cleaning and maintenance purposes. The City of Viborg has seen an increased trend of unsold water over the past few years. Reasons for this difference are likely due to meter calibration and age, and leaks in the system. In late 2009 and early 2010, unsold water was exceeding 25% due to a water main leak that had been leaking for several months while city personnel tried to locate the cracked pipe.

The City currently uses Badger meters with a generator remote (transmitter). The transmitter sends a pulse through a wire to the outside of the residence for meter reading. Badger is the only major meter manufacture that still uses this technology and the self transmitting piece is now being phased out. New transmitting Fixed Base AMI equipment, as recommended, has a 20 year service life, as do the new meters; therefore it is recommended that the City of Viborg replace all meters with the installation of the new meter reading transmitter equipment.

The TM Rural Water System bulk meter located in the old WTP was replaced in 2004.

The water demands were projected for the future based on the current water usage on a per capita basis. The current per capita use

for the Average Daily Demand is 80 gallons per capita per day (gpcd), using an average monthly residential water sales of 2,025,333 gal per month and an estimated population of 848 in 2008. The expected design flow for the year 2040 is 26,066,000 gal/year.

4.5 PUBLIC PARTICIPATION

A public hearing was held on June 16, 2010 at City Hall to inform the public about the project, associated costs and available funding. There were no attendees from the general public in attendance specifically for this project. Copies of all notifications, and minutes, attendance log and comments received from the public hearing are included in Appendix E.

END OF SECTION 4

SECTION 5: DEVELOPMENT AND EVALUATION OF ALTERNATIVES

The City of Viborg has a century old elevated storage tank and cast iron water pipe that is reaching their useful life, and is using water meter technology that is being phased out. Alternative improvements for these issues are described below.

5.1 DEVELOPMENT OF ALTERNATIVES: The purpose of this section of the facility plan document is to evaluate the alternatives for improvements necessary to deliver and track customers' water usage, and to provide alternative water storage and fire protection for the City of Viborg. The evaluation also considers a "No Action" alternative. The alternatives focus on fire protection and are discussed and outlined below.

5.1.1 Water Storage Alternative 1: Connect to TM Rural Water and Demolish Existing Elevated Storage: This alternative would abandon the existing century old 40,000 gallon elevated water storage tank located on Main Street just north of Park Avenue. The tower would be disassembled and removed from this site. To provide water storage for the customers of Viborg and adequate fire protection for the city, the use of TM Rural Water's SE Tower will be used in this alternative.

The distribution system was analyzed using InfoWater®, a hydraulic modeling software package, to study water pressure throughout the system. Two scenarios were developed. The first identified the theoretical water pressure throughout the city during a fire flow with the city's tower on-line. The second identified the theoretical water pressure throughout the city during a fire flow with the city's tower off-line and the SE tower on-line for fire protection. Water pressure near or lower than 0 psi signifies a vacuum and could damage the distribution system; therefore, a minimum pressure of 20 psi was maintained throughout the

system during the fire flow analysis. A more detailed description of the hydraulic analysis is presented in Section 3.

In order to provide adequate fire protection using TM Rural Water's tower, it is recommended water come into the system on the north edge of town instead of at the water treatment plant. This would reduce the pipe replacement necessary and allow for the full abandonment of the existing water treatment facility structure. Currently, the WTF building is used for additional water storage in the clearwell for fire protection, the high service pumps are used to empty the clearwell once a week to ensure water turnover in the clearwell, and the building is heated to keep controls and pipes from freezing. The bulk flow meter would be relocated to a meter pit or house on the north edge of town, and the remaining controls would be abandoned with the high service pumps and 40,000 gallon elevated storage tank.

Improvements to the TM Rural Water System are also necessary to provide adequate fire protection to the City of Viborg. Improvements include increasing piping to deliver a greater volume of water to the City, an additional pump at the SE Meter House to rapid fill the SE Tower in the event of a fire, and a new bulk meter structure for Viborg to monitor the higher flows. A copy of the cost estimate for the proposed TM Rural Water System improvements is included in Appendix F.

An Opinion of Probable Project Costs for the Connect to TM Rural Water Alternative was prepared using recent project prices obtained from Bid Tabs and directly from product venders. TM Rural Water provided a submittal of estimated costs for necessary improvements to their system. The project estimate is summarized in Table 5.1-1. An itemization of costs for this alternative is attached in Appendix F and Appendix G of this report.

Table 5.1-1: Opinion of Probable Cost –

Connect to TM Rural Water Alternative

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$885,400
Design and Resident Engineering	$119,000
Opinion of Probable Project Cost	**$1,004,400**

An estimate of probable O&M costs and impact on water rates were prepared for this alternative. A summary of the estimated O&M cost for this alternative is shown in Table 5.1-2, and the summary of impact to rates for a 30 year loan is shown in Table 5.1-3. A complete listing of probable annual O&M costs and the rate impact can be seen in Appendix G of this report.

Table 5.1-2: Opinion of Probable O&M Costs –

Connect to TM Rural Water Alternative

Item	**Monthly Cost**	**Annual Cost**
Variable Costs	$10	$117
Fixed Costs	$21,011	$252,130
Total Cost	$21,021	$252,247

Table 5.1-3: Impact on Water Rates –

Connect to TM Rural Water Alternative

User Category	**2010 Typical Monthly Bill**	**2020 Typical Monthly Bill (25% Grant)**	**2020 Typical Monthly Bill (50% Grant)**
Residential	$36.40	$113.77	$77.39

5.1.2 Water Storage Alternative 2: Connect to TM Rural Water and Abandon Elevated Storage Alternative: This alternative is similar to the first alternative, however, instead of removing the existing tower it would just be abandoned in place and continue to stand in its existing location

unused. Water towers often signify the identity of a town and can often represent stature and pride of a community. However, if left in place, it will require periodic maintenance to paint the exterior every 5 to 7 years, and will require demolition at some point in the future before its structural integrity poses a safety risk. This alternative is not recommended because of the future safety risk it poses and because it would just be delaying the tower demolition while still requiring periodic inspection and maintenance.

5.1.3 Water Storage Alternative 3: Refurbish Existing Elevated Storage Alternative: This alternative requires no improvements to the TM Rural Water System. The existing 40,000 gallon water tower would need to be taken temporarily out of service to be refurbished to remove all existing paint and primer, paint applied in accordance with current AWWA standards, disinfection, and refilling the tower. A thorough inspection of the tower, support structures, and base would be necessary to identify any wearing or structural concerns. The exterior was recently painted but was not sandblasted clean and will need to be repainted in the next 10 years.

Table 5.1-4: Opinion of Probable Cost –
Refurbish Existing Storage Alternative

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$76,200
Design and Resident Engineering	$13,900
Opinion of Probable Project Cost	**$90,100**

An estimate of probable O&M costs and impact on water rates were prepared for this alternative. A summary of the estimated O&M cost for this alternative is shown in Table 5.1-5, and the summary of impact to rates with a 30 year loan is shown in Table 5.1-6. A complete listing of

probable annual O&M costs and the rate impact can be seen in Appendix G of this report.

Table 5.1-5: Projected Opinion of Probable O&M Costs – Refurbish Existing Tower Alternative

Item	Estimated Cost	Occurrence (Years)	Projected Future Cost*
Service Inspection	$1,850	2	$11,721
Paint Exterior	$30,000	10	$42,000
Paint Interior	$1,700	10	$2,380
Power and Heating at Viborg Water Treatment Plant	$3,500	1	$42,021
OSHA and Maintenance Upgrades	$30,000	5	$79,200
Total Estimated Future Cost			**$177,323**

* Estimated cost projected for 10 years of O&M, 4% annual interest rate included

Table 5.1-6: Impact on Water Rates – Refurbish Existing Tower Alternative

User Category	2010 Typical Monthly Bill*	2020 Typical Monthly Bill (25% Grant)	2020 Typical Monthly Bill (50% Grant)
Residential	$36.40	$51.08	$47.80

*Assuming 4500 gallons/month

5.1.4 Water Storage Alternative 4: Replace Elevated Storage Alternative: This alternative would include the construction of a new tower located on property already owned by the city at the water treatment plant site. A 200,000 gallon pedestal tower is recommended for this option, as a leg tower leads to more maintenance down the road, and the pedestal tower is comparable in price and generally considered a more attractive option when compared to the leg style tower.

An estimate of probable O&M costs and impact on water rates were prepared for this alternative. A summary of the estimated O&M cost for

this alternative is shown in Table 5.1-8, and the summary of impact to rates with a 30 year loan is shown in Table 5.1-9. A complete listing of probable annual O&M costs and the rate impact can be seen in Appendix G of this report.

Table 5.1-7: Opinion of Probable Cost –

Replace Elevated Storage Alternative

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$937,000
Design and Resident Engineering	$114,000
Opinion of Probable Project Cost	**$1,051,000**

Table 5.1-8: Projected Opinion of Probable O&M Costs –

Replace Elevated Storage Alternative

Item	**Estimated Cost**	**Occurrence (Years)**	**Projected Future Cost***
Service Inspection	$1,850	2	$11,721
Paint Exterior	$30,000	10	$42,000
Paint Interior - Wet	$40,000	10	$56,000
Paint Interior - Dry	$20,000	30	$14,667
Power and Heating at Viborg Water Treatment Plant	-	-	-
OSHA and Maintenance Upgrades	-	-	-
Total Estimated Future Cost			**$124,388**

* Estimated cost projected for 10 years of O&M, 4% annual interest rate included

Table 5.1-9: Impact on Water Rates –

Replace Elevated Storage Alternative

User Category	**2010 Typical Monthly Bill**	**2020 Typical Monthly Bill (25% Grant)**	**2020 Typical Monthly Bill (50% Grant)**
Residential	$36.40	$142.45	$104.37

*Assuming 4500 gallons/month

5.1.5 Additional Improvements: In addition to the proposed water storage improvements; pipe and water meter replacement is recommended. A no action alternative was evaluated for each of these improvements and impacts of the no action alternative related to these improvements is described in Section 5.1.6. The water pipe replacement, and water meter and related transmitter replacement improvements are described below.

5.1.5.1 Pipe Replacement: The City of Viborg has experienced an increase in water loss throughout the years; in 2005 water loss was approximately 5%, and in 2008 water loss was approximately 13%. In January 2010 water loss was approximately 20% due to a water line leak which was repaired in February 2010. The leak was from an old cast iron pipe on Park Avenue just west of Main Street from a longitudinal crack in the pipe.

The South Dakota Department of Transportation (SDDOT) is planning for an asphalt mill and overlay project through the City of Viborg on SD Highway 19 beginning in 2012. An ADA (Americans with Disabilities Act) ramp installation project is also planned ahead of the mill overlay project by the SDDOT. It is recommended that open cut replacement construction of the water main beneath SD Highway 19 be coordinated with ADA ramp and mill and overlay projects to reduce the impact to residents. Results from the hydraulic model indicate that an 8-inch PVC pipe is adequate to replace the 4-inch, 6-inch and 8-inch cast iron pipe beneath SD Highway 19 from Ludwig Avenue to Blaine Avenue. Four inch cast iron pipe beneath Lewis Avenue, Harvey Street, and Sorensen Street is also recommended for replacement due to the age of the existing pipe and close proximity to the other pipe being replaced on SD Highway 19.

A summary of the opinion of probable cost for the pipe replacement improvements are found in Table 5.1-10. A complete listing of probable project costs can be seen in Appendix G.

Table 5.1-10: Opinion of Probable Cost – Pipe Replacement

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$736,500
Design and Resident Engineering	$110,500
Opinion of Probable Project Cost	**$847,000**

5.1.5.2 Meter Replacement: There are approximately 400 meters in the system. Most of these are in excess of 10 years old, and all have self transmitting equipment that allows for meter readings outside the residence. This self-transmitting equipment is being phased out of production and replacement parts will become unavailable. In addition, positive displacement meters, the most common type of flow measurement for customer service lines, under register when they are excessively worn. Replacing the meters with electronic reads will improve records and billing.

Viborg would replace all existing water meters with new meters that utilize radio transmitters for remote reading / data collection. Some of the meters in use have been in service for over 30 years. While some may be newer, none are equipped with radio transmitters as described above. By way of comparison, water utilities typically replace residential meters on a 10 to 15 year schedule.

The costs associated with replacing water meters are shown in Table 5.1-11. A complete listing of probable project costs can be seen in Appendix G.

Table 5.1-11: Opinion of Probable Cost –
Water Meter and Transmitter Replacement

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$218,900
Design and Resident Engineering	$32,600
Opinion of Probable Project Cost	**$251,500**

Timing meter replacement approximately 1 year after scheduled pipe replacement could eliminate or reduce maintenance on the new meters. Corrosion scale and debris left in the distribution system from the old cast iron pipe can work into the meters and plug them up. By delaying meter replacement, it gives debris a chance to be flushed out of the system before the new meters are installed.

5.1.6 No Action Alternative: The City of Viborg has an aging water tower, water meters, and cast iron water pipe. If no action is taken, the century old water tower will continue to deteriorate and eventually pose a safety risk to structures and pedestrians near it. Increased emergency maintenance can be expected to keep the tower operational and free from leaks as the steel and rivets continue to age and corrode. If no action is taken to replace the customer water meters revenue will be lost. Water meters under-register when they are excessively worn, causing more unaccounted for water, and billing to fall short. Water rates could be adjusted to make up for the shortfall, however, those customers with less worn (more accurate) meters would bear more cost than those with under-

registering meters. If the water pipe beneath SD Highway 19 is not replaced it will continue to age, increasing the risk of leaks and breaks in the cast iron. Also, pressures on the south side of town will continue to be below average because of the heavily corroded 4-inch pipe. The "No Action" alternative would increase maintenance costs, allow inaccurate water billing, and continue to impact customer satisfaction in the water distribution system.

5.2 OPTIMUM OPERATION OF EXISTING FACILITIES

Much of the existing distribution system is in fairly good condition; however much of the old cast iron pipe is reaching its useful life. Longitudinal cracking and leaks are occurring with this older pipe. Adequate fire protection is available with the existing tower, ground storage clearwell, and the fire taps at the hospital for tanker trucks to hook up to for additional fire fighting capability. The hospital and nursing home located on the north edge of town has overhead sprinkler system in some portions of the building and they plan to install more overhead sprinklers in other parts of the building in the next few years. By contracting with TM Rural Water System to provide fire protection for the City of Viborg, pressure in the system would increase 10 to 25 psi, depending on system demands. The customer water meters are operational, however due to advancing technology and the age of many of the meters in town, replacement of water meters throughout town would provide a more accurate record of water use in the City of Viborg. To achieve optimum operation of the existing distribution system, improvements are necessary.

5.3 REGIONALIZATION

The City of Viborg currently purchases water from a regionalized system, TM Rural Water. TM Rural Water provides bulk water for 5 communities, 1,350 individual rural customers, and 1 industry. Four (4) MGD is being treated by a single water treatment facility for the TM customers. See Section 4 for more

SECTION 6: SELECTED ALTERNATIVE, DESCRIPTION AND IMPLEMENTATION ARRANGEMENTS

6.1 SUMMARY AND RECOMMENDATIONS

Four water storage and fire protection alternatives, a water meter and transmitter replacement alternative, and a water pipe replacement alternative were presented in this study.

The water storage and fire protection alternatives reviewed include connection to TM Rural Water by either disassembling or abandoning the 40,000 gallon elevated storage tank, refurbishing the elevated storage tank, and replacing the elevated storage tank with a 200,000 gallon pedestal tank. Each of these would provide water storage and fire protection at existing or increased capacity. The water meter and transmitter replacement project would improve water metering for billing, allow increased analysis and immediate notice of unusually high and low water usage throughout the system, and replace meters reaching the end of their useful life. The pipe replacement project will replace most of the remaining old cast iron water pipe in the City of Viborg, and increase water flows and pressures on the south side of town. To reduce maintenance and wear on the new meters, it is recommended that the old cast iron pipe be replaced approximately 1 year before the meters are replaced.

A summary of the probable project costs, annual debt service and the operation and maintenance costs for the main alternatives are included in Table 6.1-1. See Appendix F and Appendix G for more detailed cost breakdowns.

Table 6.1-1. Summary of Total Capital Costs and O&M Costs for Select Alternatives

Alternative	Opinion of Probable Capital Cost	Annual Debt Service Cost[1] and 25% Grant	Annual Debt Service Cost[1] and 50% Grant	Opinion of Probable Annual O&M Cost[2]
Water Storage Alternative 1 – Connect to TM Rural Water System and Demolish Existing Elevated Storage	$1,004,400	$43,660	$29,110	$0
Water Storage Alternative 2 – Connect to TM Rural Water System and Abandon Existing Elevated Storage	N.A.	N.A.	N.A.	N.A.
Water Storage Alternative 3 – Refurbish 40,000 Gallon Elevated Storage Tank	$90,100	$3,920	$2,610	$21,862
Water Storage Alternative 4 – Replace Elevated Storage Tank with 200,000 Gallon Pedestal Tank	$1,051,000	$45,680	$30,450	$10,593
Water Pipe Replacement	$847,000	$36,820	$24,540	N.A.
Water Meter and Transmitter Replacement	$240,700	$10,930	$7,280	N.A.

[1]Assuming 3.25% loan for 30 years
[2]Inflation not included

6.2 DESCRIPTION OF RECOMMENDED ALTERNATIVE

The selected alternative for providing water storage and fire protection to the City of Viborg is Water Storage Alternative 1: Connect to TM Rural Water for additional water storage and fire protection. See Section 5 for a more complete description of the recommended alternative. Considering capital cost as well as operation and maintenance costs, improving the connection to TM Rural Water is the most cost effective alternative explored, as seen in Table 6.1-1. By acknowledging that Alternative 3 to refurbish the existing tower is a temporary improvement alternative because it will need to be replaced eventually, Alternative 1 is the most cost effective option. The water pipe replacement

project and the water meter and transmitter replacement project can be stand-alone projects and would not necessarily need to be bid with one of the water storage alternatives.

Improvements to the TM Rural Water System to allow more flow to the City of Viborg will provide increased storage and fire fighting capacity, allow the century old elevated water storage tower to be demolished, and the WTF to be completely abandoned. Recommended improvements with this alternative include the installation of approximately 6.5 miles of 12-inch water pipe from the 300,000 gallon Southeast water tower located on Highway 18 at 454th Street to Viborg, SD.

6.3 SUMMARY AND ESTIMATE OF PROBABLE COST

Costs associated with the water storage capacity, distribution system and meter and transmitter replacement improvements are shown in Table 6.2-1, 2 and 3. A complete listing of probable costs can be seen in Appendix F and Appendix G.

Table 6.2-1: Opinion of Probable Capital Costs-
Connect to TM Rural Water Alternative

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$885,400
Design and Resident Engineering	$119,000
Opinion of Probable Project Cost	**$1,004,400**

Table 6.2-2: Opinion of Probable Capital Costs-
Pipe Replacement

Description	**Opinion of Probable Cost***
Opinion of Probable Capital Costs and Contingencies	$736,500
Design and Resident Engineering	$110,500
Opinion of Probable Project Cost	**$847,000**

Table 6.2-3: Opinion of Probable Capital Costs-
Water Meter and Transmitter Replacement

Description	Opinion of Probable Cost*
Opinion of Probable Capital Costs and Contingencies	$218,900
Design and Resident Engineering	$32,600
Opinion of Probable Project Cost	**$251,500**

6.4 ANNUAL O&M COSTS AND USER RATE IMPACTS

The City of Viborg's annual operation and maintenance costs for the water treatment system is $181,458.29 (2009). The proposed improvements to the system should reduce the overall operation and maintenance costs due to eliminating heating and pump costs at the WTP. The current water rates for the City of Viborg are summarized in Section 4.

It is expected that the projects will be financed with a combination of Grant Participations, STAG Grants and Rural Development Loans. Assuming the City of Viborg is eligible for SRF and Rural Development loans with a 30-year term at 3.25% interest; monthly user rate impact for the meter replacement project is expected to be $20.56 per residential user, $99.31 per residential user for the pipe replacement project, and $113.72 per residential user for the water storage project (assuming a typical residential service using 4,500 gal/month). These rate impacts are only an estimate and the actual rate impact will be determined once funding is in place.

6.5 IMPLEMENTATION PLAN AND SCHEDULE

An implementation schedule for the Water Pipe Replacement Project and Water Meter and Transmitter Replacement Project for the City of Viborg are presented in Table 6.5-1 and Table 6.5-2, respectively. At least three separate contracts are assumed to accomplish the tasks recommended in this Facility Plan. An implementation schedule for the TM Water Storage and Fire Protection Project can

be developed pending a more definite funding plan. It must be noted that several of the tasks listed in the schedule are sequential in nature. Failure to maintain the deadline dates for any task will result in delay of later task completion dates. Tasks to be completed in order to move the project forward through the design and construction phases include the following:

Table 6.5-1: Implementation Schedule – Water Pipe Replacement

TASK	DATE
Submit State Water Plan Application	May 1, 2010
Project placed on State Water Plan	Late June 2010
Apply for DW SRF Funding with Principal Forgiveness	July 15, 2010
Award of DW SRF Funds	Late September 2010
Notice to Proceed on Design of Improvements	October 2010
Submittal of Plans and Specifications for Review	January 2011
Construction Contract Bid Opening	April 2011
Construction Contract Awarded	May 2011
Complete Construction of Improvements	October 2011
Complete One Year Warranty period	October 2012

Table 6.5-2: Implementation Schedule – Water Meter and Transmitter Replacement

TASK	DATE
Submit State Water Plan Application	October 1, 2011
Project placed on State Water Plan	November 2011
Apply for Consolidated Grant	January 1, 2012
Consolidated Grant Approved	Late March 2012
Apply for DW SRF Funding	April 15, 2012
Award of DW SRF Funds	Late June 2012
Notice to Proceed on Design of Improvements	July 2012
Submittal of Plans and Specifications for Review	December 2012
Construction Contract Bid Opening	March 2013
Construction Contract Awarded	April 2013
Complete Construction of Improvements	September 2013
Complete One Year Warranty period	September 2014

END OF SECTION 6

APPENDIX A

Environmental Impact Agency Response Letters

RECEIVED
DEC 0 8 2010
BY

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES
PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

December 6, 2010

Re: DWSRF Viborg
C462240-02, South Dakota Highway 19 Water Main Improvements

Kyle Christiansen, Mayor of Viborg
City of Viborg
PO Box 56
Viborg, SD 57070-0056

Dear Mayor Christiansen:

Enclosed is the Categorical Exclusion Determination (CATEX) prepared by the Department of Environment and Natural Resources (DENR) for the proposed project to be financed by the State Revolving Fund (SRF) program. The CATEX must be published at least once in the city's legal newspaper **with the date of publication typed in on the first page after the word "DATE".**

Upon publication, please provide DENR with a copy of the affidavit of publication. A copy of the CATEX and facilities plan must be available at the Viborg city hall, in the Engineering Department for public scrutiny following publication.

If you have any questions or receive any comments on the CATEX, please contact this office.

Sincerely,

Claire Peschong
Natural Resources Engineer
Water Resources Assistance Program
Phone: (605) 773-5668

cc: Pat Carey, Banner Associates, Brookings
Erin Steever, Banner Associates, Brookings
Mark McKillip, South Eastern Council of Governments
Jay Vogt, SD Historical Society, Pierre
Leslie Petersen, SD Dept. of Game, Fish and Parks, Pierre
Donald R. Gober, US Dept. of Interior, Pierre
Brad Thompson, US Army Corps of Engineers, Omaha
Jerry Schaar, Natural Resource Conservation Service, Huron
SD Wildlife Federation, Pierre

Enclosure

Viborg, South Dakota
Turner County
C462240-02

DATE _____

CATEGORICAL EXCLUSION DETERMINATION

FOR THE PROPOSED PROJECT WITHIN THE CITY OF VIBORG, SOUTH DAKOTA

The South Dakota Department of Environment and Natural Resources (DENR) conducted a review of a proposal from the City of Viborg for improvements of the water main along South Dakota Highway 19.

The proposed Water Main Improvement project includes replacing the 4-inch, 6-inch, and 8-inch cast iron pipe with 1,300 linear feet of 6-inch PVC and 3,440 linear feet of 8-inch PVC, beneath South Dakota Highway 19 from Ludwig Avenue to Blaine Avenue. The 4-inch cast iron pipe beneath Lewis Avenue, Harvey Street, and Sorensen Street is also recommended for replacement due to the age of the existing pipe being replaced on South Dakota Highway 19.

The city of Viborg has applied for a $847,000 Drinking Water SRF loan at 3.00 percent for 30 years. The city's current water rates meet the state requirements for consideration to receive additional subsidy. Current water usage rates are based on 5,000 gallons for $38.75 per month and are not expected to increase. Repayment of the SRF loan will be with a water revenue bond.

Listed below are the reasons for granting a categorical exclusion:

1. The project is solely directed toward minor rehabilitation of existing facilities, functional replacement of equipment, or towards the construction of new ancillary facilities adjacent or appurtenant to existing facilities.

2. The project does not affect the degree of treatment or capacity of the existing facility.

3. No comments requiring mitigative action were received from any of the five review agencies or through the public participation process.

The proposed action does not involve any serious local objections nor does it meet any of the criteria for not granting a categorical exclusion as specified in [Section 6.505(c) (i) through (iii) of 40 CFR Part 6, Subpart E].

The planning area is located within the city of Viborg city limits. The South Dakota Highway 19 Water Main Improvements project will not affect any historical or archaeological resources. The

new improvements should have no adverse effects on plant life or wildlife. No other environmentally sensitive issues have been identified in the planning of this project.

The review process did not indicate that significant environmental impacts would result from the proposed projects. Consequently, a preliminary decision not to prepare an EIS has been made. This action is taken on the basis of a careful review of the engineering report, environmental information documents, correspondence with responsible governmental agencies and other supporting data which are on file at the Division of Financial and Technical Assistance, Water Resources Assistance Program, DENR, Pierre, South Dakota, and are available for public scrutiny at the Viborg city office in Viborg, South Dakota.

Comments supporting or disagreeing with this decision may be submitted for consideration by DENR after publication of the Categorical Exclusion Determination. After evaluating the comments received, DENR will make a final decision.

James Feeney
Administrator

Published once at the total approximate cost of_____.

SOUTH DAKOTA
STATE HISTORICAL SOCIETY
Department of Tourism and State Development

900 Governors Drive | Pierre, SD 57501-2217
Phone 605-773-3458 | Fax 605-773-6041 | **www.history.sd.gov**

December 2, 2010

RECEIVED
DEC - 3 2010
Division of Financial
& Technical Assistance

Mr. Michael A. Perkovich
Department of Environment and Natural Resources
Joe Foss Building
523 East Capitol
Pierre SD 57501-3182

SECTION 106 PROJECT CONSULTATION – IDENTIFICATION/EVALUATION
Project: 101019001F – City of Vermillion – Placement of 500,000 Gallon Composite Style Elevated Water Storage Tank
Location: Clay County
(EPA/DENR)

Dear Mr. Perkovich:

Thank you for the opportunity to comment on the above referenced undertaking pursuant to Section 106 of the National Historic Preservation Act of 1966 (as amended). The South Dakota Office of the State Historic Preservation Officer (SHPO) concurs with your determination regarding the effect of the proposed undertakings on the non-renewable cultural resources of South Dakota.

We have made this consensus determination based on the additional information provided in your correspondence received on November 29, 2010. It is my understanding that federal funds will no longer be used for the demolition of water towers because of the possible adverse effects to historic properties. It is also my understanding that the new water storage tank will be placed in an area previously used for aggregate storage.

Therefore, because the area of potential effects has been surveyed approximately three times with negative results, we concur with the determination of No Historic Properties Affected for this undertaking. Activities occurring in areas not identified in your request will require the submission of additional documentation pursuant to 36 CFR part 800.

If historic properties are discovered or unanticipated effects on historic properties are found after the agency official has completed the Section 106 process, the agency official shall avoid, minimize or mitigate the adverse effects to such properties and notify the SHPO/

THPO, and Indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery, pursuant to 36 CFR part 800.13.

Concurrence of the SHPO does not relieve the federal agency official from consulting with other appropriate parties, as described in 36CFR Part 800.2(c).

Should you require additional information, please contact Paige Hoskinson Olson at (605) 773-6004. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,

Jay D. Vogt
State Historic Preservation Officer

Paige Hoskinson Olson
Review and Compliance Coordinator

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

SECTION 106 CONSULTATION
Concurrence of the State Historic Preservation Office does not relieve the federal agency official from consulting with other appropriate parties, as described in 36 CFR Part 800.2(c).

Pursuant to 36 CFR part 800.13, if historic properties are discovered or unanticipated effects on historic properties found after the agency official has completed the Section 106 process, the agency official shall avoid, minimize or mitigate the adverse effects to such properties and notify the SHPO/THPO, and Indian tribes that might attach religious and cultural significance to the affected property within 48 hours of the discovery.

SECTION 106 DETERMINATION
Based upon the information provided to the South Dakota State Historic Preservation Office on 11/24/10, I concur with your agency's determination of "No Historic Properties Affected" for this undertaking.

State Historic Preservation Officer (SHPO)

By: P. Hoskinson Olson

Date: 12/2/10 SHPO Project # 1009130031

November 23, 2010

State Historic Preservation Center
Department of Education and Cultural Affairs
900 Governors Drive
Pierre, South Dakota 57501-2217

Attn: Ms. Paige Hoskinson Olson
Review and Compliance Coordinator

RE: City of Viborg
Water Main Improvements Project

Dear Ms. Hoskinson Olson:

The Department of Environment and Natural Resources (DENR) received a project description and supporting documentation for the above referenced project proposed by the city of Viborg. The city is applying for a State Revolving Fund loan to fund the project.

The demolition of the water tower is no longer part of this project. The Facility Plan for the Viborg Water System project dated May 2010 has been revised to remove the razing or disassembly of the existing water tower from the project. The search of the National Register of Historic Places and a map of the proposed project were previously submitted to you for review.

I have reviewed the project description and the information provided by the city. My concurrence with the finding of "No Historic Properties Affected" is included on the enclosed Cultural Resources Effects Assessment Summary sheet. Please reply with the State Historical Preservation Office determination of effect for this project.

Sincerely,

Michael A. Perkovich
Natural Resources Engineering Director
Water Resources Assistance Program

Enclosure

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 2307 W 57th St, Ste 102
Sioux Falls, South Dakota 57108 | 605.977.6342
www.bannerassociates.com

November 4, 2010

Mr. Michael Perkovich, PE
Water Resources Assistance Program
SD Department of Environment and Natural Resources
Joe Foss Building
523 E Capitol
Pierre, SD 57501-3182

Re: Viborg Water System Facility Plan, City of Viborg
BAI. No. 21147.00.01

Dear Mr. Perkovich:

The City of Viborg is proposing to apply for grants and loans through the SRF and CDBG programs from the South Dakota DENR for water meter and transmitter replacement, and for improvements to water pressure/storage in the distribution system. The City is already in the process of receiving grants and loans through the SRF and CDBG programs for the distribution system pipe replacement. These three projects are discussed in more detail in the Facility Plan for Viborg Water System dated May 2010, which was previously submitted to DENR.

In response to the recent determination from the State Historic Preservation Office (SHPO) please find the enclosed revised cost estimates and Cultural Resources Effects Assessment Summary for the Facility Plan for the Viborg Water System dated May 2010. The attached cost estimate is revised to remove the razing of the existing water tower from the project. All mention of razing or disassembly of the existing tower in the referenced Facility Plan should be disregarded.

Sincerely,

Erin Steever, PE
Banner Associates, Inc.

Encl.

Cc: Kyle Christensen, City of Viborg
Mark McKillip, SECOG
Pat Carey, Banner Associates

Opinion of Probable Project Costs
Viborg Water Distribution Facility Plan
Viborg, South Dakota
BAI No. 21147.00.01

BANNER

CONSULTING ENGINEERS & ARCHITECTS
BANNER ASSOCIATES, INC.
409 22nd Avenue South - P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 692-6342
Fax (605) 692-5714

Alternative 1: Connect to TM Rural Water for Increased Pressure and Storage (REVISED)

Item No.	Description of Work and Materials	Quantity	Unit	Unit Price	Total Price
~~1~~	~~Mobilization~~	~~1~~	~~Lump Sum~~	~~$900~~	~~$900~~
~~2~~	~~Dissassemble Existing Tower~~	~~1~~	~~Lump Sum~~	~~$16,500~~	~~$16,500~~

Note: See separate estimate for TM Rural Water System improvements opinion of probable project costs.

Opinion of Probable Construction Costs	~~$17,400~~
Contingencies:	~~$1,000~~
Engineering:	
Design Engineering, Bidding, & Construction Admin.	~~$5,000~~
Resident Engineering:	~~$1,000~~
Opinion of Probable Project Costs:	**~~$24,400~~**

Opinion of Probable Project Costs
Viborg Water Distribution Facility Plan
Viborg, South Dakota
BAI No. 21147.00.01

BANNER

CONSULTING ENGINEERS & ARCHITECTS
BANNER ASSOCIATES, INC.
409 22nd Avenue South - P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 692-6342
Fax (605) 692-5714

Alternative 4: Replace Tower (REVISED)

Item No.	Description of Work and Materials	Quantity	Unit	Unit Price	Total Price
1	Mobilization	1	Lump Sum	$40,500	$40,500
2	Earthwork	1	Lump Sum	$10,000	$10,000
3	200,000 gal Pedestal Tank and Spread Footing	1	Lump Sum	$780,000	$780,000
4	Recirculation Line for Riser Pipe	1	Lump Sum	$4,500	$4,500

Opinion of Probable Construction Costs	$835,000
Contingencies:	$83,500
Engineering:	
Design Engineering, Bidding, & Construction Admin.	$70,000
Resident Engineering:	$44,000
Opinion of Probable Project Costs:	**$1,032,500**

6.12.3 CULTURAL RESOURCES EFFECTS ASSESSMENT SUMMARY

Applicant City of Viborg, SD Project Contact Ms. Lori Ronke
Address 110 North Main / Viborg, SD 57070 Telephone Number (605) 326-5103

Legal Location of Project SE ¼ of Section 34, S ½ of Section 35 in Township 97 N, Range 53 West
City Viborg County Turner Project No. 21147.00.01

Project Description Improvements to the City of Viborg's water system consists of upgrading the connection from TM Rural Water to provide increased water storage and pressure for the distribution system, abandoning the 120,000 gallon clearwell, replacing approximately 4,740 L.F. of cast iron pipe that is reaching the end of its useful life, and replacing all customer water meters and the meter transmitting system with an electronic read system. The existing transmitters send individual customer water usage to the exterior of the residence or business for manual read, and this technology is being phased out of use by the manufacturer. It is expected that the ground disturbances will be on previously disturbed soil as the pipe will be replaced along the same alignment, and no ground disturbance is expected for the water meter and transmitter replacement.

For projects that involve new construction on vacant land please include information as to what previously occupied the site and whether that site has any known historic or archaeological significance.
All pipe replacement and meter replacement will occur at existing utility locations. Meter replacement will not require ground excavation. All ground excavation will be on previously disturbed land.

Please describe below or attach information supporting the determination of effect.
No impact is expected to any of the historical properties listed on the National Register of Historic Places. This project will not include demolition of the existing water tower.

A map showing the project location is required. Drawings or photographs may also be helpful.

Please indicate the effect the project will have on cultural resources based on the review performed:

X No Historic Properties Affected: There are no historic properties present or the undertaking will not affect any properties eligible for or listed in the National Register of Historic Preservation.

_____ No Adverse Effect: This property is listed in or eligible for the National Register of Historic Places. This project will have no adverse effect upon the historic significance of the property because the proposed undertaking meets the Secretary of the Interior's Standards for the Treatment of Historic Properties.

_____ Adverse Effect: This property is listed in or eligible for eligible for the National Register of Historic Places. This project will have an adverse effect upon the historic significance of the property. (Attach proposed mitigation measures that may minimize the adverse effect.)

Prepared by: Eric Stern Date 11/4/10

DETERMINATION OF EFFECTS

I have reviewed the project description and the information provided concerning historical and cultural effects of this project. Based on that review, the Department of Environment and Natural Resources concurs with the applicant's determination of the effects that the construction of this project will have on historical or cultural resources. Additionally, if historical or cultural resources are discovered during project construction, the contractor is required to cease construction and notify the State Historical Preservation Officer.

Approved by: _____ Date _____
SD Department of Environment and Natural Resources

SOUTH DAKOTA
STATE HISTORICAL SOCIETY
Department of Tourism and State Development

900 Governors Drive | Pierre, SD 57501-2217
Phone 605-773-3458 | Fax 605-773-6041 | www.history.sd.gov

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OCT 12 2010
Division of Financial
& Technical Assistance

October 8, 2010

Michael A. Perkovich
Natural Resources Engineering Director
Water Resources Assistance Program
DENR PMB 2020 Joe Foss Building
523 East Capitol
Pierre SD 57501-3182

SECTION 106 PROJECT CONSULTATION – EVALUATION/EFFECT
Project: 100913003F – Proposed demolition of the water tower and pump in Viborg, SD
Location: Turner County
(EPA/DENR)

Dear Mr. Perkovich:

Thank you for the opportunity to comment on the above referenced project pursuant to Section 106 of the National Historic Preservation Act (NHPA) of 1966 (as amended). The South Dakota Office of the State Historic Preservation Officer (SHPO) is unable to concur with your determination concerning the effect of your proposed undertaking on the non-renewable cultural resources of South Dakota.

Based on the information provided in your correspondence received on September 13, and my extensive research of this resource. We feel the Viborg water tower is eligible for the National Register of Historic Places (NRHP). Construction of the water tower was completed on February 26, 1907, and it remains in the same configuration as it was when built, as documented in numerous historic photographs of the town. It was also instrumental in thwarting further devastation in the fire that broke out on February 10, 1912. There have been numerous fires in Viborg's history since that time that the water tower played a role in extinguishing. The structure is eligible under Criteria A for its contributions to community development (and safety) and for Criteria C for industrial architecture for the hemispherical bottom designed water tank developed by CB & I of Chicago in 1894. There is also a miniaturized model of a church adjacent to the water tower that is a unique feature to Viborg's built environment as well as the National Register listed Glug Theater building that is also adjacent to the site. Destroying the water tower will create an Adverse Effect to both of these adjacent

historic properties. Therefore, pursuant to 36 CFR part 800.5, the removal of this structure from its original location in Turner County will have an Adverse Effect on the property.

An alternative methodology in this project would be to cap off the lines to the historic water tower, preserve it in its present location as a non-functioning design feature of Viborg, and construct the new water tower at an alternative property owned by the City of Viborg. We look forward to continuing consultation with your agency regarding the effects of this project to historic properties.

Should you require any additional information, please contact Paul Porter, Restoration Specialist at (605) 773-6005. Your concern for the non-renewable cultural heritage of our state is appreciated.

Sincerely,

Jay D. Vogt
State Historic Preservation Officer

Paul Porter
Restoration Specialist

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

September 21, 2010

Mayor Kyle Christiansen
City of Viborg
PO Box 56
Viborg, SD 57070

RE: City of Viborg Public Water System (EPA ID # 0343) Drinking Water SRF Loan for: Water Main Improvments, $847,000 SRF loan

Dear Mayor Christiansen:

The Department of Environment and Natural Resources received a capacity self-assessment associated with a SRF loan application for the City of Viborg. Based on that self-assessment, the department has conducted an evaluation of Viborg's water utility to determine its technical, managerial, and financial capacity. The Safe Drinking Water Act requires this evaluation to be completed of all Drinking Water State Revolving Fund (SRF) applicants. Loans cannot be made to systems that lack technical, managerial, or financial capacity to operate unless steps are taken to improve operation of the system.

In cooperation with Midwest Assistance Program (MAP), we concur with the attached evaluation suggesting that the City of Viborg has the required technical, managerial and financial capacity. Please refer to the attached letter from MAP that offers the recommendations to improve certain aspects of your water system.

Midwest
Assistance
Program
South Dakota

August 27, 2010

Mark S. Mayer, P.E.
Natural Resources Administration
Drinking Water Program
South Dakota Department of Environment & Natural Resources
Joe Foss Building, 523 East Capitol
Pierre, SD 57501

Mark;

At the request of your department the Midwest Assistance Program conducted a follow up review of the capacity assessment completed in April of 08 for the community of Viborg. The following are observations based on the recommendations made following the 08 visit.

TECHNICAL CAPACITY RECOMMENDATIONS:

- The Department would encourage that the community ensure that the system distribution map is updated.

As indicated in the previous report the distribution map of the entire system has been completely updated. Also based on the recommendation of MAP during the 08 review the community has secured additional copies of the distribution map to use as working copies for the utility department.

- MAP staff encourages the Utility Manager to begin to develop a routine operations plan which identifies specific system operational needs.

The Finance Officer of the City indicated that the sample operations manual provided to the community by the Midwest Assistance Program was passed on to the Utility Manager, but she does not believe that the Manager has begun working on one for the system.

The Midwest Assistance Program continues to encourage the Utility Manager to develop this document.

- The community continues to have a problem with unaccounted for water in the present system.

Since the time of the 08 review the Utility Department has identified leaks as well as other causes of the unaccounted for water. The present unaccounted for water rate in the system since the repairs were made has remained at 4 % consistently.

MANAGERIAL CAPACITY RECOMMENDATIONS:

- Written procedures for both routine and emergency operations should be developed.

The Midwest Assistance Program provided a copy of a standard operating procedure manual to the community to be used as a guide in the development of the systems document. Since that time the Utility has begun to use a number of the forms in this manual, and continues to work on an operation procedures plan.

- Develop an inventory and location of all water system assets.

Since the 08 assessment the Utility has begun an asset inventory. It is not complete in any way. Continued work needs to be done on this to make it a usable document for budgeting purposes.

FINANCIAL CAPACITY RECOMMENDATIONS:

- Evaluate your water rate plan to ensure that your water system is maintaining sufficient revenue to cover operating and maintenance expenses.

Since the time of the 08 review the Utility has increase its base rate by $1.00. This sets present rates at $11.00 for the first 100 gallons with additional rates remaining constant. MAP does encourage the Utility to review these rates again when new system repairs are completed

MAP feels that the community has taken some action base on the original capacity review conducted in 08. Continue emphasis needs to be given to operational management and asset assessment. Overall capacity of the system has improved since the 08 review.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service
200 Fourth Street SW
Huron, South Dakota 57350

Phone: (605) 352-1200
Fax: (605) 352-1270

May 24, 2010

Erin Steever
Banner Associates, Inc.
2307 W. 57th Street, Suite 102
Sioux Falls, South Dakota 57108

RECEIVED
MAY 27 2010

RE: Viborg Water system Facility Plan - BAI No. 21147.00.01

Dear Erin:

Thank you for the opportunity to provide comments on the above project. This project will have no effect on prime or important farmland.

The Natural Resources Conservation Service (NRCS) would advise the applicant to consult with the local NRCS and Farm Service Agency (FSA) offices regarding any USDA easements or contracts in the project area that may be affected.

If you have any questions, please contact Rick Bednarek, Assistant State Soil Scientist, at (605) 352-1258.

Sincerely,

Deanna M Peterson

DEANNA M. PETERSON
State Soil Scientist

cc: Merris Miller, DC, NRCS, Parker FO

RECEIVED

MAY 10 2010

U.S. FISH & WILDLIFE SERVICE

RECEIVED

MAY 20 2010

BANNER

CONSULTING ENGINEERS & ARCHITECTS

BANNER ASSOCIATES, INC.
2307 W. 57th Street • Suite 102
Sioux Falls, South Dakota 57108
(605) 977-6342 FAX (605) 977-6344
www.bannerassociates.com

This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

5/17/10 Date

Scott Larson Acting Supervisor

May 5, 2010

United States Department of Interior
Fish and Wildlife Service
420 S. Garfield Avenue
Pierre, SD 57501-5408

Attn: Mr. Donald Gober, Field Supervisor

RE: Environmental Review for Viborg Water System Facility Plan.

BAI No. 21147.00.01

Dear Mr. Gober:

The City of Viborg authorized a study that investigates water storage within the distribution system, ductile iron pipe replacement, and customer water meter and transmitter replacement within the City. The recommended water storage improvements include demolishing the existing 40,000 gallon elevated storage tank and increasing delivery capacity from TM Rural Water System (TM RWS) for improved water storage and fire protection. The City already purchases water in bulk from TM RWS, and TM RWS has an existing 300,000 gallon water tower located approximately 9 miles northwest of the City of Viborg with adequate capacity and head to supply additional water storage and fire protection to the City. Replacement of approximately 4,740 L.F. of cast iron pipe is also recommended. This pipe is reaching the end of its useful life, and pipe of similar age and material in the system has developed longitudinal cracking which required extensive leak locating and emergency replacement. Existing water meters in the City use an old technology to transmit the meter readings outside of the residence or business for billing. This technology is being phased out of use, and an automatic read system is recommended as a replacement. Replacing the meters and transmitter system would improve water metering for billing, allow increased analysis and immediate notice of unusual water usage throughout the system, and replace meters reaching the end of their useful life. All upgrades, including pipe replacement and demolishing the existing tower, are expected to take place on previously disturbed ground. Replacing the water meters will not require excavation. The approximate locations of the proposed pipe replacement in town, and the existing water tower location can be seen in Figure 1.

This is submitted for your review and approval as part of requirements for the State Revolving Loan Fund Application. Please let me know if there is any information that you may need to expedite your review of this document. If you have any questions, please don't hesitate to call me at 605.977.6342 ext. 243.

Sincerely,

Erin Steever, P.E.

Enclosure - Figure 1
cc: Casey VanBeek, City Finance Officer, Viborg, SD
Pat Carey, Project Manager, Banner Associates, Inc.

DEPARTMENT OF GAME, FISH AND PARKS
Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

RECEIVED
MAY 1 3 2010

May 17, 2010

Ms. Erin Steever
Banner Associates, Inc.
2307 W. 57th Street
Suite 102
Sioux Falls, SD 57108

RE: Water System Facility Plan
Viborg, South Dakota
BAI No. 21147.00.01

Dear Ms. Steever:

The South Dakota Department of Game, Fish and Parks, Wildlife Division, has reviewed the proposed project involving improvements to the water system in Viborg, South Dakota.

At this time, the project described will have no significant impacts on fish and wildlife resources. However, if the project design changes or if new information becomes available, please submit the changes for review.

If you have any other questions, or if I can be of further assistance, please feel free to contact me at (605) 773-6208.

Sincerely,

Leslie Petersen

Leslie Petersen
Aquatic Resource Coordinator

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA NE 68102-4901

RECEIVED
MAY 1 8 2010

REPLY TO
ATTENTION OF

May 14, 2010

Planning, Programs, and Project Management Division

Ms. Erin Steever
Banner Associates, Incorporated
2307 West 57th Street, Suite 102
Sioux Falls, South Dakota 57108

Dear Ms. Steever:

The U.S. Army Corps of Engineers, Omaha District (Corps) has reviewed your letter dated May 5, 2010 regarding the Viborg Water System improvements. The Corps offers the following comments:

Your plans should be coordinated with the U.S. Environmental Protection Agency, which is currently involved in a program to protect groundwater resources. If you have not already done so, it is recommended you consult with the U.S. Fish and Wildlife Service and the South Dakota Department of Game, Fish and Parks regarding fish and wildlife resources. In addition, the South Dakota State Historic Preservation Office should be contacted for information and recommendations on potential cultural resources in the project area.

Since the proposed project does not appear to be located within Corps owned or operated lands, we are providing no floodplain or flood risk information. To determine if the proposed project may impact areas designated as a Federal Emergency Management Agency special flood hazard area, please consult the following floodplain management office.

NFIP Coordinator:
South Dakota, Division of Emergency Management
Attention: Nicole Prince
118 West Capitol Avenue
Pierre, South Dakota 57501-5070
Nicole.prince@state.sd.us
T-605-773-3238
F-605-773-3580

Any proposed placement of dredged or fill material into waters of the United States (including jurisdictional wetlands) requires Department of the Army authorization under Section 404 of the Clean Water Act. You can visit the Omaha District's Regulatory website for permit applications and related information. Please review the information on the provided web site (https://www.nwo.usace.army.mil/html/od-r/district.htm) to determine if this project requires a 404 permit. For a detailed review of permit requirements, preliminary and final project plans should be sent to:

Printed on Recycled Paper

U.S. Army Corps of Engineers
Pierre Regulatory Office
Attention: CENWO-OD-R-SD/Naylor
28563 Powerhouse Road, Room 120
Pierre, South Dakota 57501

If you have any questions, please contact Mr. Dave Crane of my staff at (402) 995-2676.

Sincerely,

Matthew D. Vandenberg
for:

Brad Thompson
Chief, Environmental Resources and Missouri Recovery
Program and Plan Formulation, Planning Branch
Planning, Programs and Project Management Division

APPENDIX B

Hydrant Flow Testing

Hydraulic Model Calibration Log Records:

Pressure and Flow Readings for Viborg

Q = 140 gpm (approximately)

Location	Field Flow	Field Pressure	Model Pressure	Pressure Difference
Just East of Water Tower	910 GPM	32 PSI	28.33	-3.67
Far East End of Town	725 GPM	23 PSI	31.39	8.39
Far South End of Town	100 GPM	Unreadable	-	NA
Far North End of Town	910 GPM	30 PSI	30.88	0.88
Far West End of Town	750 GPM	23 PSI	30.66	7.66

Residual Pressures (03/11/2010 from 1:30 pm to 2:30 pm)

Q = 52 gpm (approximately)

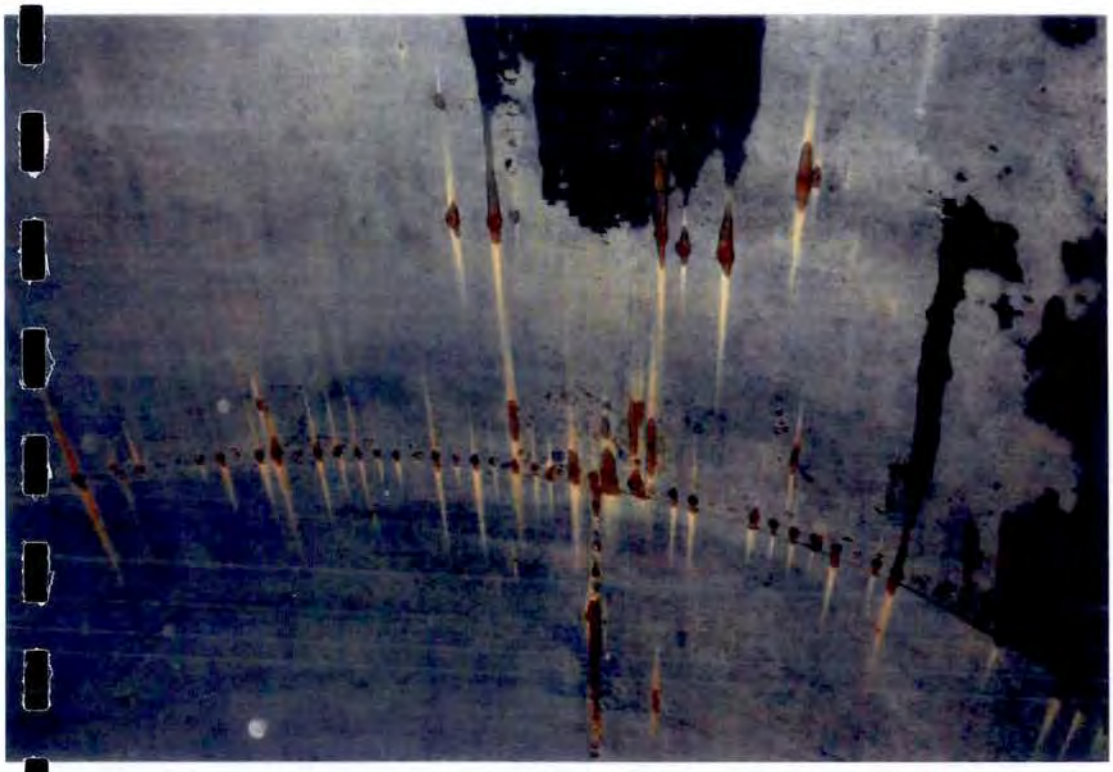
Location	Field Flow	Field Pressure	Model Pressure	Pressure Difference
Jorgenson St and Blaine Ave	0	44 PSI	45.78	-1.78
Main St and Ludwig Ave	0	43 PSI	44.36	-1.36
Lincoln Ave and Kemper St	0	39 PSI	41.52	-2.52
North of Hospital	0	43 PSI	45.78	-2.78
Park Ave (East of Main St)	0	42 PSI	44.36	-2.36

TM Rural Water System (RWS) Connection in old WTP, Viborg, SD

Ice formation inside 40,000 gal Water Tower, Viborg, SD (taken by H&H Contracting, Inc.)

e formation inside 40,000 gal Water Tower, Viborg, SD (taken by H&H Contracting, Inc.)

Interior coating in 40,000 gal Water Tower, Viborg, SD (taken by H&H Contracting, Inc.)



Interior coating in 40,000 gal Water Tower, Viborg, SD (taken by H&H Contracting, Inc.)

Exterior coating of 40,000 gal Water Tower, Viborg, SD (taken by H&H Contracting, Inc.)

Exterior coating of 40,000 gal Water Tower, Viborg, SD (taken by H&H Contracting, Inc.)

Longitudinal cracking in old 6-inch cast iron pipe (removed from Park Avenue between Main Street and State Street)

Water Records from TM Rural Water for Viborg, SD

Date	1,000 Gallons	Records used for Water Rates from TM (1,000 gal)	City Use (1,000 gal)	Water Loss (1,000 gal)
Jan-03	1960	1,960		
Feb-03	1990	1,990		
Mar-03	1730	1,730		
Apr-03	2000	2,000		
May-03	2020	2,020		
Jun-03	2070	2,070		
Jul-03	2270	2,270		
Aug-03	2700	2,700		
Sep-03	2810	2,810		
Oct-03	2073	2,073		
Nov-03	2073	2,073		
Dec-03	1711	1,711		
Jan-04	1843	1,843		
Feb-04	2002	2,002		
Mar-04	1693	1,693		
Apr-04	1994	1,994		
May-04	1851	1,851		
Jun-04	2102	2,102		
Jul-04	599	599		
Aug-04	3117	3,117		
Sep-04	2712	2,712		
Oct-04	2170	2,170		
Nov-04	2094	2,094		
Dec-04	1833	1,883		
Jan-05	2238	2,238		
Feb-05	1825	1,825		
Mar-05	1764	1,764		
Apr-05	1939	1,939		
May-05	1942	1,942		
Jun-05	1867	1,867		
Jul-05	2074	2,074		
Aug-05	2942	2,942		
Sep-05	2719	2,719		
Oct-05	2487	2,487		
Nov-05	2204	2,204		
Dec-05	1942	1,942		
Jan-06	1990	1,990		
Feb-06	1856	1,856		
Mar-06	1598	1,598		
Apr-06	1739	1,739		
May-06	1806	1,806		
Jun-06	2143	2,143		
Jul-06	2398	2,398		
Aug-06	3356	3,356		
Sep-06	2610	2,610		
Oct-06	2024	2,024		

Water Records from TM Rural Water for Viborg, SD

Date	1,000 Gallons	Records used for Water Rates from TM (1,000 gal)	City Use (1,000 gal)	Water Loss (1,000 gal)
Nov-06	1907	1,907		
Dec-06	1761	1,761		
Jan-07	1861	1,861		
Feb-07	1832	1,832	1,733	99
Mar-07	1600	1,600	1,481	119
Apr-07	1864	1,864	1,669	195
May-07	1692	1,692	1,619	73
Jun-07	2009	2,009	1,826	183
Jul-07	2320	2,320	1,892	428
Aug-07	3136	3,136	2,919	217
Sep-07	2179	2,197	2,335	-138
Oct-07	2117	2,117	1,769	348
Nov-07	1861	1,861	1,755	106
Dec-07	1833	1,833	1,583	250
Jan-08	1614	1,614	1,771	135
Feb-08	1906	1,906	1,814	-43
Mar-08	1771	1,771	1,446	229
Apr-08	1675	1,675	1,500	261
May-08	1761	1,761	1,710	247
Jun-08	1957	1,957	1,501	485
Jul-08	1986	1,986	1,639	1,043
Aug-08	2682	2,682	2,437	284
Sep-08	2721	2,721	2,254	101
Oct-08	2355	2,355	1,904	95
Nov-08	1999	1,999	1,861	-108
Dec-08	1753	1,753	1,322	314
Jan-09	1636	1,636	1,676	-1,676
Feb-09	1906			
Mar-09	1562			
Apr-09	1606			
May-09	1662			
Jun-09	2015			
Jul-09	2208			
Aug-09	2229			
Sep-09	2168			
Oct-09	1980			
Nov-09	1936			
Dec-09	2072			

Water Usage Records from Viborg, SD

Date	Sold (cf)	Sold (gal)	Sold (1,000 gal)	Water Loss (cf)	Water Loss (gal)
Feb-07	231,700	1,733,116	1,733	13187.05	98,639
Mar-07	198,000	1,481,040	1,481	15875.15	118,746
Apr-07	223,100	1,668,788	1,669	26064.55	194,963
May-07	216,400	1,618,672	1,619	9772.97	73,102
Jun-07	244,100	1,825,868	1,826	24446.99	182,863
Jul-07	253,000	1,892,440	1,892	57118.97	427,250
Aug-07	390,200	2,918,696	2,919	28995.29	216,885
Sep-07	312,100	2,334,508	2,335	-20828.78	-155,799
Oct-07	236,500	1,769,020	1,769	46483.56	347,697
Nov-07	234,600	1,754,808	1,755	14163.53	105,943
Dec-07	211,600	1,582,768	1,583	33420.72	249,987
Jan-08	236,800	1,771,264	1,771	-21053.44	-157,480
Feb-08	242,460	1,813,601	1,814	12318.77	92,144
Mar-08	193,300	1,445,884	1,446	43433.06	324,879
Apr-08	200,500	1,499,740	1,500	23400.55	175,036
May-08	228,600	1,709,928	1,710	6796.34	50,837
Jun-08	200,700	1,501,236	1,501	60896.04	455,502
Jul-08	219,100	1,638,868	1,639	1726.09	12,911
Aug-08	325,800	2,436,984	2,437	6241.17	46,684
Sep-08	301,400	2,254,472	2,254	28101.4	210,198
Oct-08	254,500	1,903,660	1,904	5625.65	42,080
Nov-08	248,800	1,861,024	1,861	18410.27	137,709
Dec-08	176,800	1,322,464	1,322	9939.74	74,349
Jan-09	224,000	1,675,520	1,676	-5312.66	-39,739
Feb-09	210,500	1,574,540	1,575	4043.51	30,245
Mar-09	180,200	1,347,896	1,348	20896.11	156,303
Apr-09	198,900	1,487,772	1,488	25886.22	193,629
May-09	201,000	1,503,480	1,503	24825.42	185,694

APPENDIX E

Public Hearing Documentation

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
:SS
COUNTY OF TURNER)

Allyson M. Hill, being first duly sworn, on oath says the VIBORG ENTERPRISE is a WEEKLY newspaper published in VIBORG in said county of TURNER, State of South Dakota; and that she is authorized to and does make this affidavit on behalf of said VIBORG ENTERPRISE; that affiant has personal knowledge of all facts stated in this affidavit; that said newspaper is a legal newspaper as defined by SDCL 17-2-2.1 through 17-2-2.4 inclusive as amended, has a bona fide circulation of at least two hundred copies WEEKLY, has been published in the English language within said county and has been admitted to the United States mail under the second class mailing privilege, for at last one year continuously next prior to the publication of the notice herein mentioned and was and is printed wholly or in part in an office maintained at said place of publication; that said notice, a printed copy of which taken from the paper in which the same was published is hereto attached and is made part of this affidavit, was published in said newspaper

1 time(s) as follows: that the first publication of said notice in said newspaper aforesaid was on Thursday the 3 day of June, 2010,

and that the succeeding publications were severally

on Thursday, the ____ day of _____, 2010;

on Thursday, the ____ day of _____, 2010;

on Thursday, the ____ day of _____, 2010;

on Thursday, the ____ day of _____, 2010;

Affiant further says that the full amount of the fees charged for the publication of said notice inures to the benefit of the publishers of said newspaper, that no agreement of understanding for the division thereof has been made with any other person, that no part therefore has been agreed to be paid to any person whomsoever; and that the fees charged for the publication thereof are:

DOLLARS ($ 14.94

(x) Allyson M. Hill, Allyson M. Hill

Subscribed and sworn to before me this 16 day of June, 2010

Notary Public
My commission expires 11/14/2012

SHANE HILL
SEAL NOTARY PUBLIC SOUTH DAKOTA SEAL

CITY OF VIBORG
Notice of Public Hearing

The City of Viborg will hold a public hearing to receive comments regarding a proposed application to the S.D. Dept. of Environment and Natural Resources Drinking Water State Revolving Fund (DW-SRF) Loan Program to finance the SD Highway 19 Water Main Improvements Project. A public hearing is a requirement of the facilities planning process for the DW-SRF program. A Facilities Plan is an engineering and environmental study of project alternatives. It documents the need for improvements and proposes a solution. The City of Viborg proposes to apply for up to $847,000 in DW-SRF loan funds at 3.00% for 30 years.

The total project cost is estimated at $847,000. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for the loans. The public is invited to attend and comment on the project.

The hearing will be held Monday, June 16, 2010, at 7:00 p.m. at City Hall. Project information may be reviewed at City Hall during City Finance Office hours.

The hearing is open to all interested parties. Information regarding accessibility for the disabled may be obtained by calling the City Finance Officer at 326-5103. Anyone unable to attend may submit written comments prior to the hearing.

Casey Van Beek
Finance Officer
City of Viborg
PO Box 56
Viborg, SD 57070
Published once at the approximate cost of $ 14.94

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
:SS
COUNTY OF TURNER)

Allyson M. Hill, being first duly sworn, on oath says the VIBORG ENTERPRISE is a WEEKLY newspaper published in VIBORG in said county of TURNER, State of South Dakota; and that she is authorized to and does make this affidavit on behalf of said VIBORG ENTERPRISE; that affiant has personal knowledge of all facts stated in this affidavit; that said newspaper is a legal newspaper as defined by SDCL 17-2-2.1 through 17-2-2.4 inclusive as amended, has a bona fide circulation of at least two hundred copies WEEKLY, has been published in the English language within said county and has been admitted to the United States mail under the second class mailing privilege, for at last one year continuously next prior to the publication of the notice herein mentioned and was and is printed wholly or in part in an office maintained at said place of publication; that said notice, a printed copy of which taken from the paper in which the same was published is hereto attached and is made part of this affidavit, was published in said newspaper

1 time(s) as follows: that the first publication of said notice in said newspaper aforesaid was on Thursday the 10 day of June, 2010,

and that the succeeding publications were severally

on Thursday, the ____ day of _____, 2010;

on Thursday, the ____ day of _____, 2010;

on Thursday, the ____ day of _____, 2010;

on Thursday, the ____ day of _____, 2010;

Affiant further says that the full amount of the fees charged for the publication of said notice inures to the benefit of the publishers of said newspaper; that no agreement of understanding for the division thereof has been made with any other person, that no part therefore has been agreed to be paid to any person whomsoever; and that the fees charged for the publication thereof are:

DOLLARS ($ 14.94)

(x) Allyson M Hill, Allyson M Hill

Subscribed and sworn to before me this 16 day of June, 2010

Notary Public
My commission expires 11/14/2012

SHANE HILL
SEAL NOTARY PUBLIC SOUTH DAKOTA SEAL

CITY OF VIBORG
Notice of Public Hearing

The City of Viborg will hold a public hearing to receive comments regarding a proposed application to the S.D. Dept. of Environment and Natural Resources Drinking Water State Revolving Fund (DW-SRF) Loan Program to finance the SD Highway 19 Water Main Improvements Project. A public hearing is a requirement of the facilities planning process for the DW-SRF program. A Facilities Plan is an engineering and environmental study of project alternatives. It documents the need for improvements and proposes a solution. The City of Viborg proposes to apply for up to $847,000 in DW-SRF loan funds at 3.00% for 30 years. The total project cost is estimated at $847,000. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for the loans. The public is invited to attend and comment on the project.

The hearing will be held Wednesday, June 16, 2010, at 7:00 p.m. at City Hall. Project information may be reviewed at City Hall during City Finance Office hours.

The hearing is open to all interested parties. Information regarding accessibility for the disabled may be obtained by calling the City Finance Officer at 326-5103. Anyone unable to attend may submit written comments prior to the hearing.

Casey Van Beek
Finance Officer
City of Viborg
PO Box 56
Viborg, SD 57070
Published once at the approximate cost of $ 14.94

City of Viborg

Public Hearing DWSRF/CWFCP Application
Hwy 19 Water Main Improvements
7:00 p.m., Wednesday, June 16, 2010
City Hall

Please sign in:

NAME	ADDRESS / REPRESENTING
Melanie L. Parsons	PO Box 177, Viborg, SD 57070 / Insurance Agency
Curtis Anderson	28939 455th Ave, Viborg SD 57070 / Property Owner
Keith Nelson	29369 455th Ave, Viborg, SD 57070 / Fire Department
Erin Steever	Sioux Falls / Banner Associates, Inc.
Angie Hilton	Sioux Falls / SECOG
Ross Frederickson	City of Viborg / Council Member
Shelley DeJong	104 S Nora St, Viborg, SD 57070 / Council Member
Steve Bendt	204 S. Clark, Viborg, SD 57070 / Council Member
Dawn Kludt	110 Sorensen, Viborg, SD 57070 / Assistant Finance Officer
Kyle Christensen	202 S Nora, Viborg, SD 57070 / Mayor
Ardell Gilkyson	101 E Blaine, Viborg, SD 57070 / Council Member
Matt J. Johnson	301 North St, Viborg, SD 57070 / Council Member
Keith Bender	402 W. Lincoln Ave, Viborg, SD 57070 / Council Member

BANNER
Engineering | Architecture | Surveying
Banner Associates, Inc. | 2307 W 57th St. Ste 102
Sioux Falls, South Dakota 57108 | 605.977.6342
www.bannerassociates.com

Public Hearing for SRF Funded Projects Meeting Minutes

Date: June 16, 2010
Project: Viborg Water System Facility Plan
BAI. No. 21147.00.01
Subject: Water Pipe Replacement
Location: Viborg, South Dakota
Attendees: City of Viborg – Dawn Kludt, Council Members (See attendance sheet)
Banner Associates – Erin Steever
SECOG – Angie Hilton

General Project Description:
(Erin Steever from Banner Associates)

- Introduction
  - The Water Facilities Plan examined alternatives for providing methods to effectively and reliably provide water storage and fire protection to the City of Viborg, replacement of customer water meters and their soon-to-be obsolete transmitting system for billing purposes, and replacement of almost 5,000 L.F. (4,740 L.F.) of aging cast iron water pipe throughout the distribution system. The water pipe replacement portion of the Facilities Plan was tagged as the first project of the three for construction and is the focus of this public hearing tonight.
- Alternatives Studied
  - Action alternative - moving forward with design and construction which can be coordinated with upcoming SD DOT construction projects
  - No-Action alternative. If no action is taken, the aging cast iron pipe in the distribution system will continue to deteriorate and increasing the risk of leaks and breaks in the cast iron. This can lead to costly emergency replacement projects and water loss. Also, pressures on the south side of town will continue to be below average because of the heavily corroded 4-inch pipe in this area.

Meeting Minutes (cont'd)

- Description of Proposed Project:
  - The SD DOT planning for asphalt mill and overlay project on SD Highway 19 through the City of Viborg in ~~2011~~ 2012. An ADA (Americans with Disabilities Act) ramp installation project is also planned ahead of the mill overlay project by the SDDOT.
    - Recommend that open cut replacement construction of the water main beneath SD Highway 19 be coordinated with ADA ramp and mill and overlay projects to reduce the impact to residents.
  - The existing distribution system was analyzed using a hydraulic model (InfoWater).
    - Results from the hydraulic model indicate that 6-inch and 8-inch PVC pipe is adequate to replace the 4-inch, 6-inch and 8-inch cast iron pipe included in the project area.
    - See the figure for locations of proposed pipe replacement.
- Opinion of Probable Project Cost- Pipe Replacement = $847,000

Proposed Financing:

(Angie Hilton from SECOG)

- Proposed Financing – A meeting is scheduled for next week to put the project on the State Water Plan. Financing will be awarded in September 2010.
  - SRF Loan expected
  - CDBG Elibibility – maximum award of $500,000 available, but have not been notified of specific award for this project to date.
- Interest rate and term of loan - 3% for 30 years
- Affect of proposed financing on user rates – If no grants are received the impact would be $6.77/month for 5,000 gallons of water, if $500,000 grant were to be awarded the impact would be $2.06/month for 5,000 gallons of water. The state is also awarding Principal Forgiveness which could change the impact on user rates.

Meeting Minutes (cont'd)

Comments Received:

Kyle Christensen (Mayor) – What is next week's meeting for?

Next week's meeting is to put this project on the State Water Plan and to approve the projects that were put on the State Water Plan back on April 1st and April 15th.

Matt J. Johnson (Council Member) – Are there any factors that determine the award amount?

Current rates do affect the award, and in this case Viborg's existing rates should benefit the award because the rates are some of the highest in the area.

Prepared By: _____
Erin Steever, P.E., Staff Engineer

TM RURAL WATER DISTRICT
PROPOSED SYSTEM IMPROVEMENTS
VIBORG PROJECT
BAI PROJECT NO: 21147.00.01

				Engineer's Estimate	
Item No.	Description	Quantity	Unit	Unit Price	Estimated Amount
1	Mobilization	1	L.S.	$38,789	$38,789
2	Imported Granular Embedment	950	Ton	$23.00	$21,856
3	Base Course	100	Ton	$25.00	$2,500
4	Gravel Surfacing	150	Ton	$25.00	$3,750
5	Compaction - Moisture/Density Tests	19	Each	$150.00	$2,850
6	Storm Water Pollution Prevention Plan	1	L.S.	$2,000.00	$2,000
7	Furnish 12" PVC ASTM, SDR 26 (Class 200) PVC Watermain	36,200	L.F.	$9.00	$325,800
8	Install 12" Watermain	36,200	L.F.	$4.10	$148,420
9	Furnish 10" PVC ASTM, SDR 21 (Class 200) PVC Watermain	0	L.F.	$7.75	$0
10	Install 10" Watermain	0	L.F.	$4.10	$0
11	12"x12"x12" Tee w/ Concrete Block	3	Each	$960.00	$2,880
12	12"x12"x8" Tee w/ Concrete Block	1	Each	$900.00	$900
13	12"x10" MJ Reducer	2	Each	$470.00	$940
14	12" 90d MJ Bend w/ Concrete Block	3	Each	$625.00	$1,875
15	12" 45d MJ Bend w/ Concrete Block	1	Each	$550.00	$550
16	12" 22.5d MJ Bend w/ Concrete Block	1	Each	$550.00	$550
17	12" MJ Long Body Sleeve	2	Each	$550.00	$1,100
18	12" Solid x Swivel Adaptor	8	Each	$400.00	$3,200
19	12" MJ Plug w/ Concrete Block	2	Each	$350.00	$700
20	10" 45d MJ Bend w/ Concrete Block	1	Each	$250.00	$250
21	10" MJ Long Body Sleeve	1	Each	$400.00	$400
22	8" MJ Cap w/ Concrete Block	1	Each	$250.00	$250
23	8" Solid x Swivel Adaptor	1	Each	$310.00	$310
24	12" Gate Valve & Box	8	Each	$1,800.00	$14,400
25	10" Gate Valve & Box	2	Each	$1,500.00	$3,000
26	8" Gate Valve & Box	1	Each	$1,200.00	$1,200
27	Air Relief Asembly	21	Each	$850.00	$17,483
28	12" Dia. Directional Bored Creek Crossing & Pipe	500	L.F.	$75.00	$37,500
29	24" Dia. Steel Encasement Pipe	792	L.F.	$100.00	$79,200
30	Tracer Wire	36,200	L.F.	$0.15	$5,430
31	Connection to Existing 8" Watermain	4	Each	$1,100.00	$4,400
32	Conection to Existing 6" Watermain	1	Each	$1,300.00	$1,300
33	Surface Restoration - Grass Surface Restoration	14,480	L.F.	$1.25	$18,100
34	Surface Restoration - Crop Land Restoration	21,720	L.F.	$0.65	$14,118
35	Meter Vault & Interior Piping	1	L.S.	$50,000.00	$50,000
	PROBABLE CONSTRUCTION COSTS				**$806,000**
	Contingencies (7.5% of Construction Cost)				$61,000
	Engineering - Design, Construction Admin & Observation				$113,000
	PROBABLE PROJECT COST - VIBORG (APRIL 2010)				**$980,000**

APPENDIX G

Opinion of Probable Capital Costs and Rate Impact

Opinion of Probable Project Costs
Viborg Water Distribution Facility Plan
Viborg, South Dakota
BAI No. 21147.00.01

BANNER

CONSULTING ENGINEERS & ARCHITECTS
BANNER ASSOCIATES, INC.
409 22nd Avenue South - P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 692-6342
Fax (605) 692-5714

Alternative 3: Refurbish Existing Tower

Item No.	Description of Work and Materials	Quantity	Unit	Unit Price	Total Price
1	Mobilization	1	Lump Sum	$3,200	$3,200
2	Replace Interior Coating	1	Lump Sum	$30,000	$30,000
3	OSHA AWWA Upgrades	1	Lump Sum	$30,000	$30,000
4	De-icer Equipment	1	Lump Sum	$4,000	$4,000

Opinion of Probable Construction Costs	$67,200
Contingencies:	$9,000
Engineering:	
Design Engineering, Bidding, & Construction Admin.	$8,500
Resident Engineering:	$5,400
Opinion of Probable Project Costs:	**$90,100**

Opinion of Probable Project Costs
Viborg Water Distribution Facility Plan
Viborg, South Dakota
BAI No. 21147.00.01

BANNER

CONSULTING ENGINEERS & ARCHITECTS
BANNER ASSOCIATES, INC.
409 22nd Avenue South - P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 692-6342
Fax (605) 692-5714

Water Meter and Transmitter Replacement

Item No.	Description of Work and Materials	Quantity	Unit	Unit Price	Total Price
1	Mobilization	1	Lump Sum	$9,590	$9,590
2	Complete AMI System with Software	1	Lump Sum	$27,000	$27,000
3	FCC Licensing Fee	1	Each	$300	$300
4	3/4" x 5/8" Water Meter w/ Register and RF Transmitter	401	Each	$360	$144,360
5	1" Water Meter w/ Register and RF Transmitter	19	Each	$550	$10,450
6	3" Compound Series Water Meter w/ Register and RF Transmitter	3	Each	$1,700	$5,100
7	Desktop Computer	1	Lump Sum	$600	$600
8	Allowance for Misc. Plumbing	1	Lump Sum	$1,500	$1,500

Opinion of Probable Construction Costs	$198,900
Contingencies:	$20,000
Engineering:	
Design Engineering, Bidding, & Construction Admin.	$22,000
Resident Engineering:	$10,600
Opinion of Probable Project Costs:	**$251,500**

Impact on Water Rates
Viborg, South Dakota
BAI #21147.00.01

12-Apr-10

Assuming SRF Loan = 3.25% over 30 years
Assuming 0% Principal Forgiveness

	2010	Meter Replacement	Pipe Replacement	Combination: Meter Replacement & Pipe Replacement	Tower Option 1: Connect to TM Rural Water for Water Storage	Tower Option 3: Refurbish Existing Tower	Tower Option 4: Replace Tower
Opinion of Probable Project Costs		**$251,500**	**$847,000**	**$1,098,500**	**$1,004,400**	**$90,100**	**$1,051,000**
FIXED EXPENSES							
Grant Participation - Amount		$0	$0	$0	$0	$0	$0
Local Participation		$0	$0	$0	$0	$0	$0
Loan Amount		$251,500	$847,000	$1,098,500	$1,004,400	$90,100	$1,051,000
Annual Debt Service (3.25% and 30-yr term)		$13,250	$44,620	$57,870	$52,910	$4,750	$55,370
Annual Reserve (10% of Debt Service)		$1,330	$4,460	$5,790	$5,290	$480	$5,540
Total Annual Debt Service	$0	$14,580	$49,080	$63,660	$58,200	$5,230	$60,910
Annual Fixed Cost to TM Rural Water including the first 2,017,000 gallons	$73,000	$73,000	$73,000	$73,000	$73,000	$73,000	$73,000
($6,051/Month plus $0.75/1,000 gal for every gallon over 2,017,000 gallons)							
Annual Labor Costs	$39,365	$39,365	$39,365	$39,365	$39,365	$39,365	$39,365
Annual Operating Supplies (Purification and Distribution)	$9,800	$9,800	$9,800	$9,800	$9,800	$9,800	$9,800
Annual Water Repairs/Maintenance	$9,000	$12,000	$9,000	$12,000	$9,000	$20,306	$18,452
Capital Outlay & Replacement	$20,200	$20,200	$20,200	$20,200	$20,200	$20,200	$20,200
Misc.	$3,580	$3,580	$3,580	$3,580	$3,580	$3,580	$3,580
Existing Debt Service (40 year loan, to be paid off in 2020)	$22,925	$22,925	$22,925	$22,925	$22,925	$22,925	$22,925
Total Fixed Annual Expenses	**$177,870**	**$195,450**	**$226,950**	**$244,530**	**$236,070**	**$194,406**	**$248,232**
VARIABLE EXPENSES							
Heating & Pumping Costs at Viborg's WTP (not treating water)	$3,358	$3,358	$3,358	$3,358	$0	$3,358	$0
Cost for Purchased Water from TM Rural Water ($0.75/1,000 gallons over 2,017,000 gallons)	$117	$117	$117	$117	$117	$117	$117
Total Variable Expenses	**$3,474**	**$3,475**	**$3,475**	**$3,475**	**$117**	**$3,475**	**$117**
TOTAL ANNUAL EXPENSES	**$181,344**	**$198,925**	**$230,425**	**$248,005**	**$236,187**	**$197,881**	**$248,349**
Annual Volume of Water Sold - Domestic, (gal/yr)	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381
Number of Domestic Accounts	400	400	400	400	400	400	400
Water Rates - Domestic							
- Base Rate	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00
- Water Improvement Fee	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
- Cost/100 cf over the first 100 cf	$4.00	$4.00	$4.00	$4.00	$4.00	$4.00	$4.00
Annual Income from Monthly Flat Fee - Domestic	$76,800	$76,800	$76,800	$76,800	$76,800	$76,800	$76,800
Annual Income from Water Sales - Cost/1000 gallons - Domestic	$330	$330	$330	$330	$330	$330	$330
Other Income	$113,570	$113,570	$113,570	$113,570	$113,570	$113,570	$113,570
TOTAL ANNUAL INCOME	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**
DIFFERENCE (INCOME - EXPENSES)	**$9,356**	**-$8,225**	**-$39,725**	**-$57,305**	**-$45,487**	**-$7,181**	**-$57,649**
Increase in Water Rate/Customer		$20.56	$99.31	$143.26	$113.72	$17.95	$144.12
Proposed Base Rate per Customer		$31.56	$110.31	$154.26	$124.72	$28.95	$155.12
COST PER ACCOUNT/MONTH (typ. 4500 gal/month usage)	**$36.40**	**$56.96**	**$135.71**	**$179.66**	**$150.12**	**$54.35**	**$180.52**

Impact on Water Rates
Viborg, South Dakota
BAI #21147.00.01

12-Apr-10

Assuming SRF Loan = 3.25% over 30 years
Assuming 25% Principal Forgiveness

	2010	Meter Replacement	Pipe Replacement	Combination: Meter Replacement & Pipe Replacement	Tower Option 1: Connect to TM Rural Water for Water Storage	Tower Option 3: Refurbish Existing Tower	Tower Option 4: Replace Tower
Opinion of Probable Project Costs		**$251,500**	**$847,000**	**$1,098,500**	**$1,004,400**	**$90,100**	**$1,051,000**
FIXED EXPENSES							
Grant Participation - Amount		$62,875	$211,750	$274,625	$251,100	$22,525	$262,750
Local Participation		$0	$0	$0	$0	$0	$0
Loan Amount		$188,625	$635,250	$823,875	$753,300	$67,575	$788,250
Annual Debt Service (3.25% and 30-yr term)		$9,940	$33,470	$43,400	$39,690	$3,560	$41,530
Annual Reserve (10% of Debt Service)		$990	$3,350	$4,340	$3,970	$360	$4,150
Total Annual Debt Service	$0	$10,930	$36,820	$47,740	$43,660	$3,920	$45,680
Annual Fixed Cost to TM Rural Water including the first 2,017,000 gallons	$73,000	$73,000	$73,000	$73,000	$73,000	$73,000	$73,000
($6,051/Month plus $0.75/1,000 gal for every gallon over 2,017,000 gallons)							
Annual Labor Costs	$39,365	$39,365	$39,365	$39,365	$39,365	$39,365	$39,365
Annual Operating Supplies (Purification and Distribution)	$9,800	$9,800	$9,800	$9,800	$9,800	$9,800	$9,800
Annual Water Repairs/Maintenance	$9,000	$12,000	$9,000	$12,000	$9,000	$20,306	$18,452
Capital Outlay & Replacement	$20,200	$20,200	$20,200	$20,200	$20,200	$20,200	$20,200
Misc.	$3,580	$3,580	$3,580	$3,580	$3,580	$3,580	$3,580
Existing Debt Service (40 year loan, to be paid off in 2020)	$22,925	$22,925	$22,925	$22,925	$22,925	$22,925	$22,925
Total Fixed Annual Expenses	**$177,870**	**$191,800**	**$214,690**	**$228,610**	**$221,530**	**$193,096**	**$233,002**
VARIABLE EXPENSES							
Heating & Pumping Costs at Viborg's WTP (not treating water)	$3,358	$3,358	$3,358	$3,358	$0	$3,358	$0
Cost for Purchased Water from TM Rural Water ($0.75/1,000 gallons over 2,017,000 gallons)	$117	$117	$117	$117	$117	$117	$117
Total Variable Expenses	**$3,474**	**$3,475**	**$3,475**	**$3,475**	**$117**	**$3,475**	**$117**
TOTAL ANNUAL EXPENSES	**$181,344**	**$195,275**	**$218,165**	**$232,085**	**$221,647**	**$196,571**	**$233,119**
Annual Volume of Water Sold - Domestic, (gal/yr)	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381
Number of Domestic Accounts	400	400	400	400	400	400	400
Water Rates - Domestic							
- Base Rate	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00
- Water Improvement Fee	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
- Cost/100 cf over the first 100 cf	$4.00	$4.00	$4.00	$4.00	$4.00	$4.00	$4.00
Annual Income from Monthly Flat Fee - Domestic	$76,800	$76,800	$76,800	$76,800	$76,800	$76,800	$76,800
Annual Income from Water Sales - Cost/1000 gallons - Domestic	$330	$330	$330	$330	$330	$330	$330
Other Income	$113,570	$113,570	$113,570	$113,570	$113,570	$113,570	$113,570
TOTAL ANNUAL INCOME	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**
DIFFERENCE (INCOME - EXPENSES)	**$9,356**	**-$4,575**	**-$27,465**	**-$41,385**	**-$30,947**	**-$5,871**	**-$42,419**
Increase in Water Rate/Customer		$11.44	$68.66	$103.46	$77.37	$14.68	$106.05
Proposed Base Rate per Customer		$22.44	$79.66	$114.46	$88.37	$25.68	$117.05
COST PER ACCOUNT/MONTH (typ. 4500 gal/month usage)	**$36.40**	**$47.84**	**$105.06**	**$139.86**	**$113.77**	**$51.08**	**$142.45**

Impact on Water Rates
Viborg, South Dakota
BAI #21147.00.01

12-Apr-10

Assuming SRF Loan = 3.25% over 30 years
Assuming 50% Principal Forgiveness

	2010	Meter Replacement	Pipe Replacement	Combination: Meter Replacement & Pipe Replacement	Tower Option 1: Connect to TM Rural Water for Water Storage	Tower Option 3: Refurbish Existing Tower	Tower Option 4: Replace Tower
Opinion of Probable Project Costs		**$251,500**	**$847,000**	**$1,098,500**	**$1,004,400**	**$90,100**	**$1,051,000**
FIXED EXPENSES							
Grant Participation - Amount		$125,750	$423,500	$549,250	$502,200	$45,050	$525,500
Local Participation		$0	$0	$0	$0	$0	$0
Loan Amount		$125,750	$423,500	$549,250	$502,200	$45,050	$525,500
Annual Debt Service (3.25% and 30-yr term)		$6,620	$22,310	$28,940	$26,460	$2,370	$27,680
Annual Reserve (10% of Debt Service)		$660	$2,230	$2,890	$2,650	$240	$2,770
Total Annual Debt Service	$0	$7,280	$24,540	$31,830	$29,110	$2,610	$30,450
Annual Fixed Cost to TM Rural Water including the first 2,017,000 gallons	$73,000	$73,000	$73,000	$73,000	$73,000	$73,000	$73,000
($6,051/Month plus $0.75/1,000 gal for every gallon over 2,017,000 gallons)							
Annual Labor Costs	$39,365	$39,365	$39,365	$39,365	$39,365	$39,365	$39,365
Annual Operating Supplies (Purification and Distribution)	$9,800	$9,800	$9,800	$9,800	$9,800	$9,800	$9,800
Annual Water Repairs/Maintenance	$9,000	$12,000	$9,000	$12,000	$9,000	$20,306	$18,452
Capital Outlay & Replacement	$20,200	$20,200	$20,200	$20,200	$20,200	$20,200	$20,200
Misc.	$3,580	$3,580	$3,580	$3,580	$3,580	$3,580	$3,580
Existing Debt Service (40 year loan, to be paid off in 2020)	$22,925	$22,925	$22,925	$22,925	$22,925	$22,925	$22,925
Total Fixed Annual Expenses	**$177,870**	**$188,150**	**$202,410**	**$212,700**	**$206,980**	**$191,786**	**$217,772**
VARIABLE EXPENSES							
Heating & Pumping Costs at Viborg's WTP (not treating water)	$3,358	$3,358	$3,358	$3,358	$0	$3,358	$0
Cost for Purchased Water from TM Rural Water ($0.75/1,000 gallons over 2,017,000 gallons)	$117	$117	$117	$117	$117	$117	$117
Total Variable Expenses	**$3,474**	**$3,475**	**$3,475**	**$3,475**	**$117**	**$3,475**	**$117**
TOTAL ANNUAL EXPENSES	**$181,344**	**$191,625**	**$205,885**	**$216,175**	**$207,097**	**$195,261**	**$217,889**
Annual Volume of Water Sold - Domestic, (gal/yr)	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381	21,063,381
Number of Domestic Accounts	400	400	400	400	400	400	400
Water Rates - Domestic							
- Base Rate	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00	$11.00
- Water Improvement Fee	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00	$5.00
- Cost/100 cf over the first 100 cf	$4.00	$4.00	$4.00	$4.00	$4.00	$4.00	$4.00
Annual Income from Monthly Flat Fee - Domestic	$76,800	$76,800	$76,800	$76,800	$76,800	$76,800	$76,800
Annual Income from Water Sales - Cost/1000 gallons - Domestic	$330	$330	$330	$330	$330	$330	$330
Other Income	$113,570	$113,570	$113,570	$113,570	$113,570	$113,570	$113,570
TOTAL ANNUAL INCOME	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**	**$190,700**
DIFFERENCE (INCOME - EXPENSES)	**$9,356**	**-$925**	**-$15,185**	**-$25,475**	**-$16,397**	**-$4,561**	**-$27,189**
Increase in Water Rate/Customer		$2.31	$37.96	$63.69	$40.99	$11.40	$67.97
Proposed Base Rate per Customer		$13.31	$48.96	$74.69	$51.99	$22.40	$78.97
COST PER ACCOUNT/MONTH (typ. 4500 gal/month usage)	**$36.40**	**$38.71**	**$74.36**	**$100.09**	**$77.39**	**$47.80**	**$104.37**

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: City of Lead

Project Title:	Water Meter Replacement Project
Funding Requested:	$704,000
Other Proposed Funding:	The city has applied for a Community Development Block Grant
Total Project Cost:	$704,000
Project Description:	The city of Lead is proposing to install an automatic meter reading system, which consists of new water meters, transmitters, and touch pads being installed at each customer's residence or business. The system also includes a new hand-held receiver, vehicle base station, lap top, and software for use by city staff to collect the meter readings.
Alternatives Evaluated:	None
Implementation Schedule:	The City of Lead anticipates bidding the project in July 2016 with a project completion date in late Summer 2016.
Service Population:	3,109
Current Domestic Rate:	$37.15 per 5,000 gallons usage

Interest Rate: 2.25% Term: 10 Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If funding is provided as all loan, Lead would have 110% coverage based on a surcharge of $5.10/customer. Lead's current rate is $37.15/5,000 gallons.

10% Funding Subsidy:	$70,400 subsidy with a loan of $633,600.
Coverage at 10% Subsidy:	Based on a 10% subsidy and a loan of $633,600, Lead would have 110% coverage based on a surcharge of $4.55/customer. Lead's current rate is $37.15/5,000 gallons.

20% Funding Subsidy:	$140,800 subsidy with a loan of $563,200.
Coverage at 20% Subsidy:	Based on a 20% subsidy and a loan of $563,200, Lead would have 110% coverage based on a surcharge of $4.05/customer. Lead's current rate is $37.15/5,000 gallons.

30% Funding Subsidy:	$211,200 subsidy with a loan of $492,800.
Coverage at 30% Subsidy:	Based on a 30% subsidy and a loan of 492,800, Lead would have 110% coverage based on a surcharge of $3.55/customer. Lead's current rate is $37.15/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: DREW HUISKEN

FINANCIAL REVIEW COMPLETED BY: DAVE RUHNKE

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

RECEIVED
MAR 29 2016
Division of Financial
& Technical Assistance

March 24, 2016

Andy Bruels
SD Department of Environment & Natural Resources
Joe Foss Building
523 East Capitol Avenue
Pierre, SD 57501

Dear Mr. Bruels,

Enclosed is a Drinking Water Facilities Funding application for the City of Lead's *Water Meter Replacement Project.* The application is being submitted under the April 1st application deadline. The City is requesting funding in the amount of $704,000 for the project.

With the exception of page 1 of the Drinking Water Facilities Funding Application, the most recent version of this Application (SD EForm – 2126LD V5) was completed and is being submitted for your review. Page 1 of the most recent version of the Application will be resigned by the Mayor of the City of Lead and sent in at a later date.

Thank you for your consideration of this application. Please contact me if you have any questions or need additional information.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Enclosures

City of Lead – *Water Meter Replacement Project*

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2. Capacity Assessment Worksheets for Public Water Systems
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5. 2014 Audit Report
6. 2015 Budget & Water Distribution Department Budget Worksheet
7. 2016 Budget & Water Distribution Department Budget Worksheet
8. Amortization Schedules for all Existing Debt Secured by Proposed Revenue Pledged
9. Facility Plan
10. Preliminary Project Cost Estimate
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12. Cultural Resources Effects Assessment Summary
13. SAM Documentation
14. Public Hearing Minutes
15. Proof of Publication for Public Hearing (Affidavit Forthcoming)

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Lead	Proposed Funding Package
Address: 801 West Main Street Lead, SD 57754	Requested Funding $704,000 Local Cash 0
	Other:
Subapplicant: N/A	Other:
DUNS Number: 144270209	Other:
	TOTAL $704,000

Project Title: Water Meter Replacement Project

Description:

The City of Lead is proposing to install an automatic water meter reading system, which consists of new water meters, transmitters, and touch pads being installed at each water customer's residence or business. The system also includes a new hand-held receiver, vehicle base station, laptop, and software for use by city staff to collect the meter readings.

The existing water meters are 20 years old and nearing the end of their life cycle, in which case they are starting to have maintenance problems and may no longer be logging water usage accurately. In addition, it currently takes city personnel an average of 10 days each month to collect water meter readings; with the proposed automatic meter reading system, the City would be able to have all water meter readings collected in one (1) day.

For more detailed information on the proposed project, please see the attached engineering report.

The City of Lead's current monthly water rate is $37.15/5,000 gallons.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Gerald F. Apa, City of Lead, Mayor	Gerald F. Apa	March 21, 2016
Name & Title of Authorized Signatory (Typed)	Signature	Date

Professional Consultants

Application Prepared By: Black Hills Council of Local Governments

Contact Person: Lysann Zeller

Mailing Address: 730 E. Watertown Street, Suite 102

City, State, and Zip: Rapid City, SD 57701

Telephone Number: (605)394-2681 Fax: (605)721-7504

Email address: lzeller@tie.net

Consulting Engineering Firm: Interstate Engineering

Contact Person: Nick Hoffman

Mailing Address: PO Box 226

City, State, and Zip: Spearfish, SD 57783

Telephone Number: (605)642-4772 Fax: (605)642-4773

Email address: nick.hoffman@interstateeng.com

Legal Counsel's Firm: Johns & Kosel, LLC

Contact Person: Tim Johns

Mailing Address: 203 West Main Street

City, State, and Zip: Lead, SD 57754

Telephone Number: (605)717-2889 Fax: (605)717-0590

Email address: tjohns@johnskosellaw.com

Bond Counsel's Firm: Dorsey & Whitney, LLP

Contact Person: Jennifer Hanson

Mailing Address: 50 South Sixth Street, Suite 1500

City, State, and Zip: Minneapolis, MN 55402

Telephone Number: (612)340-2600 Fax: (612)340-2868

Email address: jennifer.hanson@dorsey.com

Budget Sheet

Cost Classification	A DWSRF/ CWFCP	B	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services	$0					$0
B. Travel	$0					$0
C. Legal & Bond Counsel	$10,000					$10,000
D. Other	$0					$0
2. Land, Structure, Right-of-Way	$0					$0
3. Engineering						
A. Bidding and Design Fees	$5,000					$5,000
B. Project Inspection Fees	$5,000					$5,000
C. Other	$0					$0
4. Construction & Improvements	$596,000					$596,000
5. Equipment	$18,000					$18,000
6. Contractual Services	$0					$0
7. Other	$6,000					$6,000
8. Other						
9. Subtotal (Lines 1-8)	$640,000					$640,000
10. Contingencies	$64,000					$64,000
11. Total (Lines 9 and 10)	$704,000					$704,000
12. Total %	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) Drinking Water SRF Loan		$704,000	June, 2016
Other (Explain)			
Other (Explain)			
Total		$704,000	$704,000

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1st

Population Served Current: 3,109 2010 3,124 2000 3,027

Top three employers within 30 miles	Number of Employees	Type of Business
Regional Health	320	Health Care
Black Hills State University	305	Education
Spearfish School District	248	Education

Repayment Information

Interest rate you are applying for: 2.25% Term: 10

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation Bond (Requires Bond Election)
- ☐ 2. Revenue Bond
- ☒ 3. Project Surcharge Revenue Bond
- ☐ 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the drinking water fund.
2. Current year's budget for the drinking water fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Drinking Water Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.

   (https://www.sam.gov)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary for SRF Projects.
6. Capacity Assessment Worksheets.

Items 7-9 apply to Non-profit Entities only

7. By-laws.
8. Articles of Incorporation.
9. Certificate of Good Standing from Secretary of State.

Drinking Water Fund Debt Information

Year	2005	2010	2014			
Purpose	DW	DW	DW			
Security Pledged	Revenue	Revenue	Revenue			
Amount	$192,549	$482,826	$939,000			
Maturity Date (mmm/yyyy)	10/01/2035	12/31/2031				
Debt Holder	BWNR	BWNR	BWNR			
Debt Coverage Requirement	110%	110%	110%			
Avg. Annual Required Payment	$10,072	$32,486				
Outstanding Balance	$146,376	$411,647				

Comments:

2014 Drinking Water Fund exact loan amount, maturity date, average annual required payment, and outstanding balance not yet determined.

Drinking Water Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2014	2015	2016	2017	2018	2019
Operating Revenue						
Base Fees	$734,046	$744,500	$739,000	$740,000	$740,000	$740,000
Surcharge Fees	0	0	0	0	0	0
Other (Explain)	$27,548	$8,400	$10,698	$10,200	$10,500	$10,750
Operating Expenses						
Personal Services	($131,748)	($189,084)	($169,860)	($176,245)	($181,812)	($187,450)
Chemical, Material & Supplies	($6,078)	($7,500)	($8,000)	($8,000)	($8,100)	($8,500)
Electric & Other Utilities	($421,046)	($370,000)	($393,000)	($430,000)	($435,000)	($444,500)
Other (Explain)	($42,078)	($54,350)	($46,350)	($44,400)	($45,500)	($46,900)
Operating Net Cash	$160,644	$131,966	$132,488	$91,555	$80,088	$63,400
Nonoperating Cash Flow						
Interest Revenue	$251	0	0	0	0	0
Transfers In (Explain)	$367,264	$500,000	$939,000	$704,000	0	0
Fixed Asset Purchases	($404,744)	($500,000)	0	0	0	0
Transfers Out (Explain)	0	0	0	0	0	0
Principal Debt Payments	($24,045)	($40,363)	($42,835)	($125,198)	($128,525)	($131,942)
Interest Debt Payments	($18,516)	($31,534)	($31,029)	($58,783)	($55,456)	($52,039)
Other (Explain)	0	0	($939,000)	($704,000)	0	0
Nonoperating Net Cash	($79,790)	($71,897)	($73,864)	($183,981)	($183,981)	($183,981)
Increase (Decrease) Cash	$80,854	$60,069	$58,624	($92,426)	($103,893)	($120,581)
Beginning Cash Balance	$220,417	$301,271	$361,340	$419,964	$327,538	$223,645
Ending Cash Balance	$301,271	$361,340	$419,964	$327,538	$223,645	$103,064
Restricted Balance	0	0	0	0	0	0
Unrestricted Balance	0	0	0	0	0	0

Explanations

Operating Revenue - Other: Other Water Revenue, Connections Fees, & Other Income
Operating Expenses - Other: Transportation, Insurance, Advertising, Miscellaneous, & Replacement Expenditures
Nonoperating Cash Flow - Transfers In: Grant Awards
Nonoperating Cash Flow - Other: Water System Improvements (DENR DW SRF)

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber

Drinking Water Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: [x] Incorporated Municipality or Sanitary District

or

[ ] Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	$37.15	$37.15	1,350	5,000
Business	$55.00	$55.00	80	5,000
Other:				
Other:				

Are fees based on usage or flat rate? Usage

When is proposed fee scheduled to take effect? N/A

When did the current fee take effect? November, 2012

What was the fee prior to the current rate? $34.15

Four Largest Customers	Type of Business	% of System Revenue
Days Inn	Hotel	2%
Mile High Trailer Court	Mobile Home Park	2%
Ross Hoist	State Government	1%
Maitland Partners	Housing	1%

Property Tax Information

(Complete section only if General Obligation bond is pledged to repay your loan.)

Three year valuation trend:

Year	_____	_____	_____
Assessed Valuation	_____	_____	_____

Three year levies and collection trend:

Year	_____	_____	_____
Amount Levied	_____	_____	_____
Collected	_____	_____	_____

Five Largest Taxpayers	Description	Assessed Valuation

Comments:

General Fund Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Sales Tax Information

(Complete section only if sales tax is pledged to repay your loan.)

Sales tax revenue history for the most current fifteen months:

Month/Year	Amount Collected

Comments:

Sales Tax Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Drinking Water Facilities Plan document can be found at http://denr.sd.gov/dfta/wwf/dwsrf/dwfunding.aspx

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- Submission of a Facilities Plan to the department that addresses those items found in the Water Facilities Plan document. ☒
- A public hearing held discussing the project and the use of an SRF loan to finance the project. ☒
- Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan. ☒
- The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan. ☒
- The four review agencies contacted and responses received for inclusion into the final Facilities Plan. ☒
- The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. ☒

Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$704,000
Treatment	
Storage	
Source	
System Purchase	
Restructuring	
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
Total	$704,000

Gerald F. Apa, City of Lead, Mayor

Name & Title of Authorized Representative

Gerald F Apa

Signature of Authorized Representative

03/21/2016

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Gerald F. Apa, City of Lead, Mayor

Name & Title of Authorized Representative

Signature of Authorized Representative

03/21/2016

Date

☐ I am unable to certify to the above statements. Attached is my explanation

Capacity Assessment Worksheets for Public Water Systems

Department of Environment and Natural Resources

Revised January 2015

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: City of Lead

Prepared by: Mike Stahl
City Administrator

Phone #: (605)584-1401

Date: 03/23/2016

Glossary of Terms

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water;

Disinfectant: Any oxidant, including chlorine, chlorine dioxide, chloramine, and ozone, that is added to water in any part of the treatment or distribution process and that is intended to kill or inactivate pathogenic microorganisms;

Disinfectant contact time: The time in minutes that it takes for water to move from the point of disinfectant application or the previous point of disinfectant residual measurement to a point before or at the point where residual disinfectant concentration is measured;

Filtration: A process for removing particulate matter from the water by passing the water through porous media;

Ground Water: The supply of fresh water found beneath the surface of the ground, usually in aquifers, which is often used for supplying wells and springs;

Ground Water Under the Direct Influence of Surface Water: Any water beneath the surface of the ground with a significant occurrence of insects, macroorganisms, algae, or large-diameter pathogens such a *Giardia lamblia* ; or any water with significant and relatively rapid shifts in water quality characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions;

Maximum Contaminant Level (MCLs): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards;

mg/L: milligrams per liter - equivalent to parts per million;

µg/L: micrograms per liter - equivalent to parts per billion;

NTU: nephelometric turbidity unit;

psi: pounds per square inch

Surface Water: All water that is open to the atmosphere and subject to surface runoff;

Turbidity: A cloudy condition in water due to suspended silt or organic matter; and

Waiver: A process used by the Department of Environment and Natural Resources that allows a public water system to reduce or eliminate monitoring for a particular chemical.

The Technical Portion of your System

Your Water Supply

Please check the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section or question does not apply to your system, please check NA for not applicable.***

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** _____	☐	☐	☐	☑
Do you know how much water you pump on a peak day? ***Amount:*** _____	☐	☐	☐	☑
Do you know the maximum amount of water you can pump from your source? ***Amount:*** _____	☐	☐	☐	☑
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:*** _____	☐	☐	☐	☑
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:*** _____	☐	☐	☐	☑
Have you been able to provide adequate volumes of water during drought cycles?	☐	☐	☐	☑
Have you had to restrict usage at any time for any reason? ***Please specify:*** _____	☐	☐	☐	☑
Does your system have an emergency or supplemental water supply? ***Please specify:*** _____	☐	☐	☐	☑
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***	☐	☐	☐	☑
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☐ ***growing,*** ☐ ***declining, or*** ☑ ***stable.***	☑	☐	☐	☐
Does your source have additional water available for appropriation?	☑	☐	☐	☐
Do you have a water right? ***Water right permit number(s):*** _____	☐	☑	☐	☐
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☐	☑	☐	☐
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☑	☐	☐	☐
Do you have a contract to purchase water? ***If yes, with whom?*** Lead-Deadwood Sanitary District	☑	☐	☐	☐
Are you currently staying within your contract?	☑	☐	☐	☐
Are you knowledgeable about other demands being placed on the same water source that you are using?	☑	☐	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☐	☑	☐	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☐	☑	☐	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** _____	☐	☐	☐	☑
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** _____	☐	☐	☐	☑
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☐	☐	☐	☑

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☐ **Yes** ☑ **No**

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☐	☐	☐	☐
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☐	☐
Are repair parts available?	☐	☐	☐	☐
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☐	☐	☐	☐
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☐	☐	☐	☐
Do you have on-line continuous turbidimeters on each filter?	☐	☐	☐	☐
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** _____	☐	☐	☐	☐
Do you have the capability to add coagulant before the filter?	☐	☐	☐	☐

Ground Water Systems

Ground Water Under the Influence of Surface Water	Yes	No	Unknown	NA
Is your water free from variations in turbidity and temperature after storm events?	☑	☐	☐	☐
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** _____	☐	☐	☐	☑
Is your well(s) constructed according to current South Dakota regulations?	☐	☐	☐	☑
Do you have a source water protection plan?	☐	☐	☐	☑
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☐	☐	☐	☑

Disinfection

Do you disinfect? ☐ **Yes** ☑ **No** ***(If "No", skip to the Infrastructure - Pumping section)***

Disinfection	**Yes**	**No**	**Unknown**	**NA**
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** _____ ***How often?*** _____ ***Disinfectant used:*** _____	☐	☐	☐	☐
Do you have back-up equipment? ***Type:*** _____	☐	☐	☐	☐
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:*** _____	☐	☐	☐	☐
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** _____ ***Total Chlorine Residual:*** _____ (if using chloramines)	☐	☐	☐	☐

Disinfection By-Products

Treatment for the Control of Disinfection By-Products	**Yes**	**No**	**Unknown**	**NA**
If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?	☐	☐	☐	☐
If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?	☐	☐	☐	☐

Treatment - Security

Treatment Security	**Yes**	**No**	**Unknown**	**NA**
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☐	☐	☐	☐
Are chemicals used for treatment properly stored and secure?	☐	☐	☐	☐
Does the water system track chemical usage? (i.e. a sudden	☐	☐	☐	☐

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping

Condition of Pumping Equipment	**Yes**	**No**	**Unknown**	**NA**
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** Daily	☑	☐	☐	☐
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☑	☐	☐	☐
Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	☐	☑	☐	☐
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☐	☑	☐	☐
Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	☐	☑	☐	☐
Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	☐	☑	☐	☐

Infrastructure - Storage

Storage Capacity	**Yes**	**No**	**Unknown**	**NA**
Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:*** _____	☑	☐	☐	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:*** 125,000 gallons	☑	☐	☐	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☑	☐	☐	☐
Are access hatches locked?	☑	☐	☐	☐
Is the tank and the immediate surrounding area fenced?	☑	☐	☐	☐
Control Systems				
Is there a high and low water level signal system to control the pumps?	☑	☐	☐	☐

Is there a drain valve or hydrant to allow for draining of the tank?	☑	☐	☐	☐
Tank Maintenance	**Yes**	**No**	**Unknown**	**NA**
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☑	☐	☐	☐
Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	☐	☐	☑	☐

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:***	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☑	☐	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☑	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☑	☐	☐	☐
Are all valves exercised and lubricated periodically?	☐	☑	☐	☐
Is the system free of severe "water hammer" problems?	☑	☐	☐	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☑	☐	☐	☐
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** 22 %	☐	☑	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 70 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☑	☐	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☐	☑	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☑	☐	☐	☐

Are any inspections for cross-connections performed?	☑	☐	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☑	☐	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☑	☐	☐	☐
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** 75%	☑	☐	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☑	☐	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☑	☐	☐	☐
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** _____ ***Most common complaint:*** Water Distribution Class II	☐	☑	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☑	☐	☐	☐

The Management Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** Water Distribution Class II	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance? ***If yes, who*** Interstate Engineering, SD Rural Water	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☑	☐	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☑	☐	☐	☐
Is someone responsible for scheduling work?	☑	☐	☐	☐
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☑	☐	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☑	☐	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☑	☐	☐	☐
Do you have standard construction specifications to be followed?	☑	☐	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☐	☑	☐	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** 5 years	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☐	☑	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☑	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☑	☐	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☑	☐	☐
Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	☑	☐	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☑	☐	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** City Administrator	☑	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☑	☐	☐	☐
Do you have written operating procedures for both routine and emergency system operations?	☐	☑	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☑	☐	☐	☐
Does the system work with customers to promote their awareness of security?	☐	☑	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☑	☐	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☑	☐	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☑	☐	☐	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	☑	☐	☐	☐

The Financial Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**	**NA**
Does your system develop and follow an annual budget that is approved by the governing body?	☑	☐	☐	☐
Does the governing body review a monthly summary of revenues and expenses of the utility system?	☑	☐	☐	☐
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** Equipment Replacement	☑	☐	☐	☐
Does the system have reserve funds available in the event of an emergency?	☑	☐	☐	☐
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	☑	☐	☐	☐
Do you have a process for scheduling and committing to capital projects?	☑	☐	☐	☐
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	☑	☐	☐	☐
Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?	☑	☐	☐	☐
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** Annually	☑	☐	☐	☐
Do you have a plan in place for periodic increases in rates?	☐	☑	☐	☐
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** $37.15/5,000 gal + $2.80/1,000 gal (i.e. $22 minimum plus $2.50/1000 gallons)	☑	☐	☐	☐
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***:	☐	☑	☐	☐
Does the rate structure assure proportionality among users?	☑	☐	☐	☐
Do you have procedures for billing and collection?	☑	☐	☐	☐
Is your billing collection rate greater than 95%?	☑	☐	☐	☐
Do you have collection procedures specifically for delinquent accounts?	☑	☐	☐	☐

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☑	☐	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☑	☐	☐	☐
Does your water utility support other enterprise funds or the general fund?	☐	☑	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☐	☑	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☑	☐	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☑	☐	☐	☐
Are there purchasing procedures?	☑	☐	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☑	☐	☐	☐

Financial Spreadsheet

Complete the financial spreadsheet on the following page using the guidance presented on the reverse side of the form.

GUIDELINES:

This cash flow projection form provides a systematic method of estimating cash receipts, disbursements and balances. The entries listed on the form will not necessarily apply to every PWS, and some entries may not be included which would be pertinent to each PWS. It is suggested, therefore, that the form be adapted to each particular PWS, with appropriate changes in the entries as may be required.

Procedure: Most of the entries on the form are self-explanatory; however, the following suggestions are offered to simplify the procedure:

(1) First gather the audited financial statements, internally prepared statements or budgets and other information for the current year and the two prior years. Include the most recent audited financial statement with your self-assessment report.

(2) Complete the columns for the prior two years using actual data from your audited financial statements, if available, or your internally prepared financial statements. Keep in mind, for purposes of this analysis, it is important to use **cash** receipts and disbursements. ***Suggestion: Round amounts to the nearest dollar.***

(3) Complete the current year's column using the most recent budget information. Include all expenditures incurred by the utility.

(4) Complete the form using the suggestions in the partial form below for each entry. Be sure to include any expenditures resulting from planned plant improvement and estimate the impact of inflation on all expenditures.

(5) Item #1 (Beginning Cash on Hand) plus Item #3 (Total Cash Receipts) minus Item #6 (Total Cash Paid Out) should equal Item #7 (Ending Cash Position).

(6) Item #13 (Total Added to Reserves) plus Item #14 (Operating Cash) should equal Item #7 (Ending Cash Position).

(7) Item #1 (Beginning Cash on Hand) should equal Item #14 (Ending Cash Position) from the prior financial period.

(8) Items #8 & 9 are used together to determine the impact of the rate structure on the equivalent residential user. If industrial or business customers contribute a significant portion of the revenues, these amounts should be looked at separately. Consideration should be given to design a rate structure so that each

category of user pays its proportional share of the costs of operating and maintaining the PWS.

(9) Item #10 is used to determine to what extent a PWS's net operating income is able to cover its debt service requirements.

(10) Item #11 is used to determine to what extent a PWS's rate structure produces revenues sufficient to cover operating expenses.

(11) Item #14 is the operating cash balance at year end. The operating cash balance at the end of any financial period should be adequate to meet the cash requirements for a minimum of one month. If there is too little cash, additional cash may have to be injected or expenditures may have to be reduced. If there is excessive cash on hand, the money should be invested or otherwise deposited into interest bearing accounts (e.g., set up reserves for replacement or capital improvements, etc.)

Financial Spreadsheet

Applicant: City of Lead
Completed by: Mike Stahl
Date: 03/23/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2015	2016	2017	2018	2019
1. Beginning Cash on Hand	$301,271	$361,340	$419,964	$327,538	$223,645
2. Cash Receipts:					
a. Unmetered Water Revenue	$0	$0	$0	$0	$0
b. Metered Water Revenue	$744,500	$739,000	$740,000	$740,000	$740,000
c. Other Water Revenue	$2,500	$4,000	$3,500	$3,500	$3,500
d. Total Water Revenues (2a through 2c)	$747,000	$743,000	$743,500	$743,500	$743,500
e. Connection Fees	$2,500	$2,500	$2,500	$2,500	$2,500
f. Interest and Dividend Income	$0	$0	$0	$0	$0
g. Other Income	$3,400	$4,198	$4,200	$4,500	$4,750
h. Total Cash Revenues (2d through 2g)	$752,900	$749,698	$750,200	$750,500	$750,750
i. Transfers in/Additional Rev Needed	$0	$0	$0	$0	$0
j. Loans, Grants or other Cash					
Please specify					
DENR DW Loan	$0	$939,000	$704,000	$0	$0
3. Total Cash Receipts (2h through 2j)	$752,900	$1,688,698	$1,454,200	$750,500	$750,750
4. Total Cash Available (1+3)	$1,054,171	$2,050,038	$1,874,164	$1,078,038	$974,395
5. Operating Expenses					
a. Salaries and wages	$123,176	$108,137	$111,000	$115,000	$118,450
b. Employee Pensions and Benefits	$53,408	$50,723	$52,245	$53,812	$55,500
c. Purchased Water	$355,000	$350,000	$385,000	$387,000	$392,000
d. Purchased Power	$8,000	$35,000	$37,000	$40,000	$43,500
e. Fuel for Power Production	$7,000	$8,000	$8,000	$8,000	$9,000
f. Chemicals	$0	$0	$0	$0	$0
g. Materials and Supplies	$7,500	$8,000	$8,000	$8,100	$8,500
h. Engineering Services	$3,500	$2,500	$4,000	$4,000	$4,500
i. Contractual Services – Other	$9,000	$8,500	$9,000	$9,000	$9,000
j. Equip. Rent/Real Property	$0	$0	$0	$0	$0
k. Transportation Expenses	$21,000	$5,000	$5,000	$5,000	$5,000
l. Laboratory	$0	$0	$0	$0	$0
m. Insurance	$4,750	$4,250	$4,400	$4,500	$4,700
n. Regulatory Commission Expenses	$0	$0	$0	$0	$0
o. Advertising	$0	$300	$0	$0	$0
p. Miscellaneous	$9,100	$7,800	$9,000	$9,000	$9,200
q. Total Cash O&M Expenses (5a through 5p)	$601,434	$588,210	$632,645	$643,412	$659,350
r. Replacement Expenditures	$19,500	$29,000	$26,000	$27,000	$28,000
s. Total OM&R Expenditures (5q+5r)	$620,934	$617,210	$658,645	$670,412	$687,350
t. Loan Principal/Capital Lease Payments	$40,363	$42,835	$125,198	$128,525	$131,942
u. Loan Interest Payments	$31,534	$31,029	$58,783	$55,456	$52,039
v. Transfers Out	$0	$0	$0	$0	$0
w. Capital Purchases (specify):	$0	$0	$0	$0	$0
x. Other	$0	$939,000	$704,000		
6. Total Cash Paid Out (5s through 5x)	$692,831	$1,630,074	$1,546,626	$854,393	$871,331
7. Ending Cash Position (4 - 6)	$361,340	$419,964	$327,538	$223,645	$103,064

Financial Spreadsheet

Applicant: City of Lead
Completed by: Mike Stahl
Date: 03/23/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	1,535	1,538	1,541	1,544	1,548
9. Avg Annual User Charge Account (2d/8)	$486.64	$483.09	$482.48	$481.54	$480.30
10. Coverage Ratio (2h-5s)/(5t+5u)	1.84	1.79	0.50	0.44	0.34
11. Operating Ratio (2d/5s)	1.20	1.20	1.13	1.11	1.08
12. Total Restricted Cash Balances					
a. Debt Service Reserve	$0	$0	$0	$0	$0
b. Bond Retirement Reserve	$0	$0	$0	$0	$0
c. Capital Improvement Reserve	$0	$0	$0	$0	$0
d. Replacement Reserve	$0	$0	$0	$0	$0
e. Other	$0	$0	$0	$0	$0
13. Restricted Cash Balance (12a through 12e)	$0	$0	$0	$0	$0
14. Unrestricted Cash Balance (7 – 13)	$361,340	$419,964	$327,538	$223,645	$103,064

4 Year Projections	Last Year Actual	Current Year Budget	Year 2 Projected	Year 3 Projected	Year 4 Projected
1. Beginning Cash on Hand	For the prior period and the current year budget, use the actual cash balance. For all other years, cash on hand should equal item #14 from previous period.				
2. Cash Receipts:					
a. Unmetered Water Revenue	All cash received/estimated for water supplied to residential, commercial, industrial and public customers where the customer charge is not based on quantity, i.e., its based on diameter of service pipe, room, foot of frontage or other type units.				
b. Metered Water Revenue	all cash received/estimated for water supplied to residential, commercial, industrial and public customers where the charge is based on quantity of water delivered.				
c. Other Water Revenue	Other cash received/estimated from sale of water, e.g., sales for irrigation, sales for resale, inter- municipal sales, advalorem taxes (OM&R portion) etc.				
d. Total Water Revenues (2a through 2c)	**Self-explanatory**				
e. Connection Fees	All cash received/estimated for connection of customer service during the year.				
f. Interest and Dividend Income	All cash received/estimated on interest income from securities, loans, notes, etc., whether the securities are carried as investments or included in sinking or reserve accounts.				
g. Other Income	Other revenues collected/estimated during the period (e.g., disconnection or change in service fees, Profit on materials billed to customers, servicing of customer lines, late payment fees, rents, sales of assets, advalorem taxes (infrastructure portion) etc.).				
h. Total Cash Revenues (2d through 2g)	**Self-explanatory**				
i. Transfers in/Additional Rev Needed	Includes transfers from other funds w/i the municipality or can be used as a "plug" figure when determining the additional cash needed to cover cash needs.				
j. Loans, Grants or other Cash Injection	Includes loans or grants from financial institutions, inter-municipal loans, state or federal sources.				
3. Total Cash Receipts (2h through 2j)	**Self-explanatory**				
4. Total Cash Available (1+3)	**Self-explanatory**				
5. Operating Expenses	Use actual amounts paid when completing the prior year. Estimate the amounts for projected years based on prior year amounts, trends and other known variables (including those related to needs identified in the self-assessment.				
a. Salaries and wages	Cash expenditures made/estimated for salaries, bonuses and other consideration for work related to the O&M of the facility, including administration, and compensation for officers, directors, etc.				
b. Employee Pensions and Benefits	Paid vacations, paid sick leave, health insurance, unemployment insurance, pension plan, etc.				
c. Purchased Water	Amounts paid/estimated for cost of water purchased for resale.				
d. Purchased Power	Amounts paid/estimated for all electrical power for the utility.				
e. Fuel for Power Production	Amounts paid/estimated for fuel purchased for the production of power to operate pumps, etc.				
f. Chemicals	Amounts paid/estimated for chemicals used in the treatment and distribution.				
g. Materials and Supplies	Amounts paid/estimated for materials and supplies used for O&M of the PWS other than those under contractual services.				
h. Contractual Services – Engineering	Amounts paid/estimated to outside engineers to perform ongoing engineering work for the facility.				
i. Contractual Services - Other	Amounts paid/estimated for costs of outside accounting, legal, managerial, and other services.				
j. Rental of Equipment/Real Property	Amounts paid/estimated for costs associated w/the rental of equipment, buildings and real property.				
k. Transportation Expenses	Amounts paid/estimated for automobile, truck, equipment, and other vehicle use and maintenance.				
l. Laboratory	Self-explanatory				
m. Insurance	Amounts paid/estimated for vehicle, liability, workers' compensation and other insurance.				
n. Regulatory Commission Expenses	Amounts paid/estimated for rate cases and other activities with a regulatory commission				
o. Advertising	Amounts paid/estimated for informational, instructional and other advertising.				
p. Miscellaneous	Amounts paid/estimated for all expenses not included elsewhere (e.g. permit fees, training, etc.).				
q. Total Cash O&M Expenses (5a through 5p)	**Total of lines 5a through 5p.**				
r. Replacement Expenditures	Amounts paid/estimated for replacement of equipment to maintain system integrity.				
s. Total OM&R Expenditures (5q+r)					
t. Loan Principal/Capital Lease Payments	Include cash payments made/estimated for principal on all loans, including vehicle and equipment purchases on time payments and capital lease payments.				
u. Loan Interest Payments	Self-explanatory				

v. Transfers Out	Include cash transfers made/estimated to funds or entities outside the PWS.
w. Capital Purchases (specify):	Amount of cash outlays/estimates for items such as equipment, building, vehicle purchases, and leasehold improvements that were not a part of the initial design of the PWS infrastructure.
6. Total Cash Paid Out (5s through 5x)	Self-explanatory
7. Ending Cash Position (4 – 6)	Self-explanatory
8. Number of Customer Accounts	Use most recent system data or expected increases.
9. Ave User Charge per Customer (2d/8)	Self-explanatory
10. Coverage Ratio (2h-5s)/(5t+5u)	Measure of the sufficiency of net operating profit to cover the debt service requirements of the system. A bond covenant might require this to meet or exceed certain limits (e.g. 1.25)
11. Operating Ratio (2d/5s)	Measure of whether operating revenues are sufficient to cover OM&R expenses. An operating ratio of 1.0 is the bare Minimum for a self-supporting facility. With debt service requirements, the operating ratio would have to be higher.
12. Total Restricted Cash Balances	Do not include depreciation as a reserve unless there is actually a "depreciation' reserve that has cash set-aside for future expansion.
a. Debt Service Reserve	Funds specifically set-aside to meet debt service requirements or requirements set forth in a loan Convenant/bond indenture.
b. Bond Retirement Reserve	Funds specifically set aside to retire debt as it is scheduled.
c. Capital Improvement Reserve	Funds specifically set aside to meet long-term objectives for major facility expansion, improvement and/or the construction of a new facility.
d. Replacement Reserve	Funds specifically set aside for the future replacement of equipment needed to maintain the integrity of the facility over its useful life.
e. Other	Other cash set-aside for reserve.
13. Total Restricted Balance (12a through 12e)	**Total of lines 12a through 12e.**
14. Unrestricted Balance (7-13)	**All non-reserved cash.**

CITY OF LEAD RESOLUTION # 2016-06

RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS

The City Commission of the City of Lead, a municipal corporation, meeting in session on March 21, 2016, pursuant to SDCL 9-19, motion was made by Vardiman, seconded by Everett, that the following resolution be adopted:

WHEREAS, the City of Lead (the "City") has determined it is necessary to replace all water meters within the City (the "Project");

WHEREAS, the City has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") has been prepared; and,

WHEREAS, it is necessary to designate an authorized representative to execute and submit a Drinking Water Facilities Funding Application ("Application") on behalf of the City and to certify and sign payment requests in the event financial assistance is awarded for the Project.

NOW, THEREFORE, BE IT RESOLVED by the City as follows:

PREPARED BY: CITY OF LEAD
801 W. MAIN ST.
LEAD, SD 57754
(605) 584-1401

RESOLUTION #2012-13

A RESOLUTION INCREASING WATER FEES

The City Commission of the City of Lead, a municipal corporation, meeting in regular session on October 29, 2012, pursuant to SDCL 9-19, motion was made by _____, seconded by _____, that the following resolution be adopted:

WHEREAS, costs to operate and maintain the City of Lead's water system have continually increased and no recent adjustment has been made to water fees that directly finance the city's water distribution system, and

WHEREAS, all adjustments for water fees since 2001 have been made due to the increase in price to treated water purchased from the Lead-Deadwood Sanitary District, and

WHEREAS, the City of Lead is committed to operating a safe, efficient and effective water distribution system, and

WHEREAS, the purpose of this fee is to cover costs of operation and maintenance of the water collection system and payment of debt service on State Revolving Loans, and

WHEREAS, it will be necessary for the City of Lead to increase water fees,

THEREFORE, BE IT RESOLVED, that the water rates for the City of Lead be amended as follows:

1. **Rates within the City of Lead:** $28.75 per Equivalent Residential Unit (EQR), which will include the first 2,000 gallons of usage, plus $2.80 per 1,000 gallons over the base 2,000 gallons.
2. **Rates outside the City of Lead:** $31.75 per EQR, which will include the first 2,000 gallons of usage, plus $2.80 per 1,000 gallons over the base 2,000 gallons.
3. **Rates for the Maitland District:** $31.75 per EQR, which will include the first 2,000 gallons of usage, plus $3.35 per 1,000 gallons over the base 2,000 gallons.

AND, BE IT FURTHER RESOLVED, that this rate increase will take effect in the November, 2012 utility billing, payable in December, 2012.

AND, BE IT FURTHER RESOLVED, that previous resolutions regarding water collection fees be rescinded and that this resolution supersedes all previous water collection fee resolutions.

Those voting aye:

Those voting nay:

Motion carried.

DATED this 29th day of October, 2012

MUNICIPALITY OF LEAD
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STATE OF SOUTH DAKOTA
DEPARTMENT OF LEGISLATIVE AUDIT

427 SOUTH CHAPELLE
C/O 500 EAST CAPITOL
PIERRE SD 57501-5070
(605)773-3595
FAX(605)773-6454

MARTIN L. GUINDON, CPA
AUDITOR GENERAL

INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

Governing Board
Municipality of Lead
Lead, South Dakota

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards,* issued by the Comptroller General of the United States, the modified cash basis of accounting financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Municipality of Lead, South Dakota (Municipality), as of December 31, 2014 and for the year then ended, and the related notes to the financial statements, which collectively comprise the Municipality's basic financial statements and have issued our report thereon dated December 21, 2015.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Municipality's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Municipality's internal control. Accordingly, we do not express an opinion on the effectiveness of the Municipality's internal control.

Our consideration of internal control was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as described in the accompanying Schedule of Current Audit Findings, we identified certain deficiencies in internal control that we consider to be material weaknesses.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct misstatements on a timely basis. A *material weakness* is a deficiency, or combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the Municipality's financial statements will not be prevented, or detected and corrected on a timely basis. We consider the deficiency described in the accompanying Schedule of Current Audit Findings as item No. 2014-001 to be a material weakness.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Municipality's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, and contracts, noncompliance with which could have a direct and material effect on the

determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards.*

Municipality's Response to Findings

The Municipality did not wish to respond to the finding identified in our audit as described in the accompanying Schedule of Current Audit Findings.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Municipality's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose. As required by South Dakota Codified Law 4-11-11, this report is a matter of public record and its distribution is not limited.

Martin L. Guindon, CPA
Auditor General

December 21, 2015

MUNICIPALITY OF LEAD
SCHEDULE OF PRIOR AND CURRENT AUDIT FINDINGS

SCHEDULE OF PRIOR AUDIT FINDINGS

Prior Audit Findings:

Finding No. 2013-001:

A lack of proper segregation of duties existed for the revenue, expenditure and payroll functions resulting in decreased reliability of reported financial data and increased potential for the loss of public assets. This finding has not been corrected and is restated as current audit finding No. 2004-001.

Finding No. 2013-002:

Capital asset records were not properly maintained to support the amounts reported for capital assets resulting in diminished control over public assets and increased potential for inaccurate financial statements. This finding is no longer applicable.

SCHEDULE OF CURRENT AUDIT FINDINGS

Current Audit Finding:

Internal Control-Related Findings - Material Weakness:

Segregation of Duties

Finding No. 2014-001:

A lack of proper segregation of duties existed for the revenue, expenditure and payroll functions resulting in decreased reliability of reported financial data and increased potential for the loss of public assets.

Analysis:

The Finance Officer can process all revenue, expenditure, and payroll transactions from beginning to end. The Finance Officer can receive money, issue receipts, record receipts in the accounting records, prepare bank deposits, enter invoices, assemble vouchers, prepare bill lists, write checks, and reconcile bank statements. As a result, an inadequate segregation of duties existed for the revenue, expenditure, and payroll functions of the Municipality.

RECOMMENDATION:

We recommend that municipal officials be cognizant of this lack of segregation of duties for revenue, expenditure, and payroll functions and attempt to provide compensating internal controls whenever and wherever possible and practical.

Management's Response:

Management chose not to respond to this finding.

STATE OF SOUTH DAKOTA
DEPARTMENT OF LEGISLATIVE AUDIT

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MARTIN L. GUINDON, CPA
AUDITOR GENERAL

INDEPENDENT AUDITOR'S REPORT

Governing Board
Municipality of Lead
Lead, South Dakota

Report on the Financial Statements

We have audited the accompanying modified cash basis of accounting financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Municipality of Lead, South Dakota (Municipality), as of December 31, 2014 and for the year then ended, and the related notes to the financial statements, which collectively comprise the Municipality's basic financial statements as listed in the Table of Contents.

Management's Responsibility for the Financial Statements

The Municipality's management is responsible for the preparation and fair presentation of these financial statements in accordance with the modified cash basis of accounting described in Note 1.c.; this includes determining that the modified cash basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances. Management is responsible for the design, implementation, and maintenance of internal controls relevant to the preparation and fair presentation of financial statements that are free from material misstatements, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Municipality's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Municipality's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position on a modified cash basis of accounting of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Municipality of Lead as of December 31, 2014, and the respective changes in financial position thereof for the year then ended in accordance with the modified cash basis of accounting described in Note 1.c. to the financial statements.

Basis of Accounting

We draw attention to Note 1.c. of the financial statements, which describes the basis of accounting. The financial statements are prepared on the modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

The Municipality changed its basis of accounting from a basis consistent with accounting principles generally accepted in the United States to a modified cash basis of accounting. Accordingly, a comparison of the accompanying financial statements to financial statements presented in prior years is not recommended.

Other Matters

Supplementary Information

Our audit was conducted for the purpose of forming opinions on the modified cash basis of accounting financial statements that collectively comprise the Municipality's basic financial statements. The Budgetary Comparison Schedules and the Schedule of Changes in Long-Term Debt listed in the Table of Contents are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the basic financial statements as a whole.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards,* we have also issued our report dated December 21, 2015 on our consideration of the Municipality's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Municipality's internal control over financial reporting and compliance.

Martin L. Guindon, CPA
Auditor General

December 21, 2015

MUNICIPALITY OF LEAD
STATEMENT OF NET POSITION - MODIFIED CASH BASIS
December 31, 2014

	Primary Government		
	Governmental Activities	Business-Type Activities	Total
ASSETS:			
Cash and Cash Equivalents	$ 1,057,272.05	$ 457,480.59	$ 1,514,752.64
TOTAL ASSETS	$ 1,057,272.05	$ 457,480.59	$ 1,514,752.64
NET POSITION:			
Restricted For:			
Promotional Purposes	$ 111,562.61	$	$ 111,562.61
Permanently Restricted Purposes:			
Expendable	50,843.43		50,843.43
Non-Expendable	50,000.00		50,000.00
Unrestricted	844,866.01	457,480.59	1,302,346.60
TOTAL NET POSITION	$ 1,057,272.05	$ 457,480.59	$ 1,514,752.64

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
STATEMENT OF ACTIVITIES - MODIFIED CASH BASIS
For the Year Ended December 31, 2014

Functions/Programs	Expenses	Program Revenues: Charges for Services	Program Revenues: Operating Grants and Contributions	Program Revenues: Capital Grants and Contributions	Net (Expense) Revenue and Changes in Net Position – Primary Government: Governmental Activities	Net (Expense) Revenue and Changes in Net Position – Primary Government: Business-Type Activities	Net (Expense) Revenue and Changes in Net Position – Primary Government: Total
Primary Government:							
Governmental Activities:							
General Government	$ 434,878.34	$ 51,502.84	$	$	$ (383,375.50)	$	$ (383,375.50)
Public Safety	575,486.45	18,289.86	169,457.96	19,769.59	(367,969.04)		(367,969.04)
Public Works	798,947.81	20,877.59	105,301.06		(672,769.16)		(672,769.16)
Health and Welfare	96,958.50	830.00			(96,128.50)		(96,128.50)
Culture and Recreation	313,398.65	5,740.00	108,740.00		(198,918.65)		(198,918.65)
Conservation and Development	41,976.70	87,382.54			45,405.84		45,405.84
*Interest on Long-Term Debt	5,538.69				(5,538.69)		(5,538.69)
Total Governmental Activities	2,267,185.14	184,622.83	383,499.02	19,769.59	(1,679,293.70)	0.00	(1,679,293.70)
Business-Type Activities:							
Water	1,045,627.22	758,967.12				(286,660.10)	(286,660.10)
Sewer	486,547.42	183,234.81				(303,312.61)	(303,312.61)
Solid Waste	201,011.98	186,238.43				(14,773.55)	(14,773.55)
Total Business-Type Activities	1,733,186.62	1,128,440.36	0.00	0.00	0.00	(604,746.26)	(604,746.26)
Total Primary Government	$ 4,000,371.76	$ 1,313,063.19	$ 383,499.02	$ 19,769.59	(1,679,293.70)	(604,746.26)	(2,284,039.96)
	General Revenues:						
	Taxes:						
	Property Taxes				1,189,538.46		1,189,538.46
	Sales Taxes				780,680.16		780,680.16
	State Shared Revenues				36,981.10		36,981.10
	Unrestricted Investment Earnings				880.86	379.30	1,260.16
	Debt Issued				14,848.00	675,307.00	690,155.00
	Miscellaneous Revenue				6,827.04		6,827.04
	Total General Revenues				2,029,755.62	675,686.30	2,705,441.92
	Change in Net Position				350,461.92	70,940.04	421,401.96
	Net Position - Beginning				4,415,759.13	5,223,670.55	9,639,429.68
	Adjustments:						
	Change in Basis of Accounting (See Note 6)				(3,708,949.00)	(4,837,130.00)	(8,546,079.00)
	Adjusted Net Position - Beginning				706,810.13	386,540.55	1,093,350.68
	NET POSITION - ENDING				$ 1,057,272.05	$ 457,480.59	$ 1,514,752.64

*The Municipality does not have interest expense related to the functions presented above. This amount includes indirect interest expense on general long-term debt.

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
BALANCE SHEET - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
December 31, 2014

	General Fund	Liquor, Lodging and Dining Gross Receipts Tax Fund	Other Governmental Funds	Total Governmental Funds
ASSETS:				
Cash and Cash Equivalents	$ 805,211.78	$ 111,562.61	$ 140,497.66	$ 1,057,272.05
TOTAL ASSETS	$ 805,211.78	$ 111,562.61	$ 140,497.66	$ 1,057,272.05
FUND BALANCES: (See Note 1.k.)				
Restricted	$	$ 111,562.61	$ 100,843.43	$ 212,406.04
Assigned	158,671.54		39,654.23	198,325.77
Unassigned	646,540.24			646,540.24
TOTAL FUND BALANCES	$ 805,211.78	$ 111,562.61	$ 140,497.66	$ 1,057,272.05

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2014

	General Fund	Liquor, Lodging and Dining Gross Receipts Tax Fund	Other Governmental Funds	Total Governmental Funds
Revenues:				
Taxes:				
General Property Taxes	$ 1,179,004.70	$	$	$ 1,179,004.70
General Sales and Use Taxes	715,317.64	65,362.52		780,680.16
Penalties and Interest on Delinquent Taxes	10,533.76			10,533.76
Licenses and Permits	69,718.45			69,718.45
Intergovernmental Revenue:				
Federal Grants	169,457.96			169,457.96
State Grants	19,769.59			19,769.59
State Shared Revenue:				
Bank Franchise Tax	16,051.72			16,051.72
Liquor Tax Reversion	20,929.38			20,929.38
Motor Vehicle Licenses (5%)	30,672.72			30,672.72
Local Government Highway and Bridge Fund	74,202.78			74,202.78
Gaming Proceeds	63,612.48			63,612.48
County Shared Revenue:				
County Highway and Bridge Reserve Tax (25%)	425.56			425.56
County Library Allocation			108,740.00	108,740.00
Charges for Goods and Services:				
General Government	6,405.45			6,405.45
Public Safety	12,172.08			12,172.08
Highways and Streets	1,647.88			1,647.88
Sanitation	10,189.71			10,189.71
Health	130.00			130.00
Culture and Recreation	5,740.00			5,740.00
Cemetery	7,840.00		1,200.00	9,040.00
Other	5,524.04			5,524.04
Fines and Forfeits:				
Animal Control Fines	1,646.90			1,646.90
Parking Meter Fines	1,969.00			1,969.00
Other	5.00			5.00
Miscellaneous Revenue:				
Investment Earnings	656.56	93.25	131.05	880.86
Rentals	2,342.88			2,342.88
Other	3.00			3.00
Total Revenues	2,425,969.24	65,455.77	110,071.05	2,601,496.06

Expenditures:				
General Government:				
Legislative	149,895.16			149,895.16
Financial Administration	187,095.68			187,095.68
Other	97,887.50			97,887.50
Public Safety:				
Police	464,626.99			464,626.99
Fire	15,084.41			15,084.41
Protective Inspection	95,775.05			95,775.05
Public Works:				
Highways and Streets	671,876.80			671,876.80
Cemeteries	46,109.73			46,109.73
Health and Welfare:				
Health	88,887.17			88,887.17
Humane Society	8,071.33			8,071.33
Culture and Recreation:				
Recreation	21,627.59			21,627.59
Parks	116,151.76			116,151.76
Libraries			147,304.30	147,304.30
Historical Preservation	28,315.00			28,315.00
Conservation and Development:				
Economic Development and Assistance (Industrial Development)		41,976.70		41,976.70
Debt Service	86,499.97			86,499.97
Total Expenditures	2,077,904.14	41,976.70	147,304.30	2,267,185.14
Excess of Revenues Over (Under) Expenditures	348,065.10	23,479.07	(37,233.25)	334,310.92
Other Financing Sources (Uses):				
Transfers In			70,053.00	70,053.00
Transfers Out	(70,053.00)			(70,053.00)
Sale of Municipal Property	1,303.00			1,303.00
Long-Term Debt Issued	14,848.00			14,848.00
Total Other Financing Sources (Uses)	(53,902.00)	0.00	70,053.00	16,151.00
Net Change in Fund Balance	294,163.10	23,479.07	32,819.75	350,461.92
Fund Balance - Beginning	660,746.68	88,083.54	107,227.91	856,058.13
Adjustments:				
Change in Basis of Accounting (See Note 6)	(149,698.00)		450.00	(149,248.00)
Adjusted Fund Balance - Beginning	511,048.68	88,083.54	107,677.91	706,810.13
FUND BALANCE - ENDING	$ 805,211.78	$ 111,562.61	$ 140,497.66	$ 1,057,272.05

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
STATEMENT OF NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
DECEMBER 31, 2014

	Enterprise Funds			
	Water Fund	Sewer Fund	Solid Waste Fund	Totals
ASSETS:				
Current Assets:				
Cash and Cash Equivalents	$ 301,271.36	$ 124,875.37	$ 31,333.86	$ 457,480.59
TOTAL ASSETS	$ 301,271.36	$ 124,875.37	$ 31,333.86	$ 457,480.59
NET POSITION:				
Unrestricted	$ 301,271.36	$ 124,875.37	$ 31,333.86	$ 457,480.59
TOTAL NET POSITION	$ 301,271.36	$ 124,875.37	$ 31,333.86	$ 457,480.59

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
For the Year Ended December 31, 2014

	Enterprise Funds			
	Water Fund	Sewer Fund	Solid Waste Fund	Totals
Operating Revenues:				
Charges for Goods and Services	$ 758,967.12	$ 183,234.81	$ 186,238.43	$ 1,128,440.36
Operating Expenses:				
Personal Services	115,474.21	47,026.21		162,500.42
Other Current Expense	53,586.56	14,903.49	201,011.98	269,502.03
Materials	423,892.14	862.35		424,754.49
Capital Assets	410,113.15	382,676.53		792,789.68
Total Operating Expenses	1,003,066.06	445,468.58	201,011.98	1,649,546.62
Operating Income (Loss)	(244,098.94)	(262,233.77)	(14,773.55)	(521,106.26)
Nonoperating Revenues (Expenses):				
Investment Earnings	250.77	103.33	25.20	379.30
Debt Service (Principal)	(24,044.84)	(25,899.77)		(49,944.61)
Interest Expense	(18,516.32)	(15,179.07)		(33,695.39)
Long-Term Debt Issued	367,264.00	308,043.00		675,307.00
Total Nonoperating Revenues (Expenses)	324,953.61	267,067.49	25.20	592,046.30
Change in Net Position	80,854.67	4,833.72	(14,748.35)	70,940.04
Net Position - Beginning	2,631,345.69	2,547,291.65	45,033.21	5,223,670.55
Adjustments:				
Change in Basis of Accounting (See Note 6)	(2,410,929.00)	(2,427,250.00)	1,049.00	(4,837,130.00)
Adjusted Net Position - Beginning	220,416.69	120,041.65	46,082.21	386,540.55
NET POSITION - ENDING	$ 301,271.36	$ 124,875.37	$ 31,333.86	$ 457,480.59

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
STATEMENT OF FIDUCIARY NET POSITION - MODIFIED CASH BASIS
FIDUCIARY FUNDS
December 31, 2014

	Private-Purpose Trust Funds	Agency Funds
ASSETS:		
Cash and Cash Equivalents	$ 320,857.89	$ 1,698.90
Investments	74,962.68	
TOTAL ASSETS	$ 395,820.57	$ 1,698.90
NET POSITION:		
Restricted for Firemen's Pension Purposes	$ 395,820.57	$
Net Position Held in Agency Capacity		1,698.90
TOTAL NET POSITION	$ 395,820.57	$ 1,698.90

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF LEAD
STATEMENT OF CHANGES IN FIDUCIARY NET POSITION - MODIFIED CASH BASIS
FIDUCIARY FUNDS
For the Year Ended December 31, 2014

	Private-Purpose Trust Funds
ADDITIONS:	
Earnings from Deposits and Investments	$ 762.78
DEDUCTIONS:	
Trust Deductions for Firemen's Pension	14,550.96
Change in Net Position	(13,788.18)
Net Position - Beginning	409,608.75
NET POSITION - ENDING	$ 395,820.57

The notes to the financial statements are an integral part of this statement.

1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

As discussed further in Note 1.c., these financial statements are presented on a modified cash basis of accounting. The modified cash basis of accounting differs from accounting principles generally accepted in the United States of America (GAAP). Generally accepted accounting principles include all relevant Governmental Accounting Standards Board (GASB) pronouncements.

a. Financial Reporting Entity:

The reporting entity of the Municipality of Lead (Municipality), consists of the primary government (which includes all of the funds, organizations, institutions, agencies, departments, and offices that make up the legal entity, plus those funds for which the primary government has a fiduciary responsibility, even though those fiduciary funds may represent organizations that do not meet the criteria for inclusion in the financial reporting entity); those organizations for which the primary government is financially accountable; and other organizations for which the nature and significance of their relationship with the primary government are such that their exclusion would cause the financial reporting entity's financial statements to be misleading or incomplete.

b. Basis of Presentation:

Government-wide Financial Statements:

The Statement of Net Position and Statement of Activities display information about the reporting entity as a whole. They include all funds of the reporting entity except for fiduciary funds. The statements distinguish between governmental and business-type activities. Governmental activities generally are financed through taxes, intergovernmental revenues, and other non-exchange revenues. Business-type activities are financed in whole or in part by fees charged to external parties for goods or services.

The Statement of Activities presents a comparison between direct expenses and program revenues for each segment of the business-type activities of the Municipality and for each function of the Municipality's governmental activities. Direct expenses are those that are specifically associated with a program or function and, therefore, are clearly identifiable to a particular function. Program revenues include (a) charges paid by recipients of goods and services offered by the programs and (b) grants and contributions that are restricted to meeting the operational or capital requirements of a particular program. Revenues that are not classified as program revenues, including all taxes, are presented as general revenues.

Fund Financial Statements:

Fund financial statements of the reporting entity are organized into funds, each of which is considered to be a separate accounting entity. Each fund is accounted for by providing a separate set of self-balancing accounts that constitute its assets, liabilities, fund equity, revenues, and expenditures/expenses. Funds are organized into three major categories: governmental, proprietary, and fiduciary. An emphasis is placed on major funds within the governmental and proprietary categories. A fund is considered major if it is the primary operating fund of the Municipality or it meets the following criteria:

1. Total assets, liabilities, revenues, or expenditures/expenses of the individual governmental or enterprise fund are at least 10 percent of the corresponding total for all funds of that category or type, and

2. Total assets, liabilities, revenues, or expenditures/expenses of the individual governmental or enterprise fund are at least 5 percent of the corresponding total for all governmental and enterprise funds combined, or
3. Management has elected to classify one or more governmental or enterprise funds as major for consistency in reporting from year to year, or because of public interest in the fund's operations.

The funds of the Municipality financial reporting entity are described below:

Governmental Funds:

General Fund – The General Fund is the general operating fund of the Municipality. It is used to account for all financial resources except those required to be accounted for in another fund. The General Fund is always considered to be a major fund.

Special Revenue Funds – Special revenue funds are used to account for the proceeds of specific revenue sources (other than trusts for individuals, private organizations, or other governments or for major capital projects) that are legally restricted to expenditures for specified purposes.

Liquor, Lodging and Dining Gross Receipts Tax Fund – to account for the collection of a one percent tax on the gross receipts of lodgings, alcoholic beverages, prepared food, and admissions which tax shall be used for the purpose of land acquisition, architectural fees, construction costs, payments for civic center, auditorium or athletic facility buildings, including the maintenance, staffing, and operations of such facilities and the promotion and advertising of the city (SDCL 10-52A-2). This fund may be established at the direction of the governing body through local ordinance. This is a major fund.

The remaining Special Revenue funds are not considered major funds: Library Fund. This fund is reported on the fund financial statements as "Other Governmental Funds".

Permanent Funds – Permanent funds are used to report resources that are legally restricted to the extent that only earnings, and not principal, may be used for purposes that support the Municipality's programs—that is for the benefit of the Municipality and its citizenry.

Cemetery Perpetual Care Fund – to account for the payments received for perpetual care of cemeteries which is permanently set aside and for which only the income from the trust fund investments is used for the care and maintenance of the cemetery. (SDCL 9-32-18) This is not a major fund.

Proprietary Funds:

Enterprise Funds – Enterprise funds may be used to report any activity for which a fee is charged to external users for goods or services. Activities are required to be reported as enterprise funds if any one of the following criteria is met. Governments should apply each of these criteria in the context of the activity's principal revenue sources.

a. *The activity is financed with debt that is secured solely by a pledge of the net revenues from fees and charges of the activity. Debt that is secured by a pledge of net revenues from fees and charges and the full faith and credit of a related primary government or component unit—even if that government is not expected to make any payments—is not payable solely from fees and charges of the activity. (Some debt may be secured, in part, by a portion of its own proceeds but should be considered as payable "solely" from the revenues of the activity.)*

b. *Laws or regulations require that the activity's costs of providing services, including capital costs (such as depreciation or debt service), be recovered with fees and charges, rather than with taxes or similar revenues.*

c. *The pricing policies of the activity establish fees and charges designed to recover its costs, including capital costs (such as depreciation or debt service).*

Water Fund – financed primarily by user charges this fund accounts for the construction and operation of the municipal waterworks system and related facilities. (SDCL 9-47-1) This is a major fund.

Sewer Fund – financed primarily by user charges this fund accounts for the construction and operation of the municipal sanitary sewer system and related facilities. (SDCL 9-48-2) This is a major fund.

Solid Waste Fund – financed primarily by user charges this fund accounts for the collection and disposal of solid waste from the municipality. (SDCL 9-32-11 and 34A-6) This is a major fund.

Fiduciary Funds:

Fiduciary funds consist of the following sub-categories and are never considered to be major funds:

Pension (and Other Employee Benefit Trust Funds) – Pension and other employee benefit trust funds are used to account for resources that are required to be held in trust for the members and beneficiaries of defined benefit pension plans, defined contribution pension plans, other post-employment benefit plans, or other employee benefit plans. The Municipality manages a Firemen's Pension Trust, which was offered to its Municipal Firemen. The Municipality no longer operates a municipal fire department. There are two remaining former Firemen that are receiving benefits from this plan. See Note 8 for more detailed information.

Agency Funds – Agency funds are custodial in nature (assets equal liabilities) and do not involve measurement of results of operations. The Municipality maintains an agency fund to account for the collection and distribution of sales tax remitted to the State.

c. Measurement Focus and Basis of Accounting:

Measurement focus is a term used to describe "how" transactions are recorded within the various financial statements. Basis of accounting refers to "when" revenues and expenditures or expenses are recognized in the accounts and reported in the financial statements, regardless of the measurement focus.

The Municipality's basis of accounting is the modified cash basis, which is a basis of accounting other than USGAAP. Under USGAAP, transactions are recorded in the accounts when revenues are earned and liabilities are incurred. Under the modified cash basis, transactions are recorded when cash is received or disbursed.

Measurement Focus:

Government-wide Financial Statements:

In the government-wide Statement of Net Position and Statement of Activities, both governmental and business-type activities are presented using the economic resources measurement focus, applied within the limitations of the modified cash basis of accounting as defined below.

Fund Financial Statements:

In the fund financial statements, the "current financial resources" measurement focus or the "economic resources" measurement focus is used, applied within the limitations of the modified cash basis of accounting.

Basis of Accounting:

In the government-wide Statement of Net Position and Statement of Activities and the fund financial statements, governmental and business-type activities are presented using a modified cash basis of accounting.

The modified cash basis of accounting involves the measurement of cash and cash equivalents and changes in cash and cash equivalents resulting from cash receipt and disbursement transactions. Under the modified cash basis of accounting, the statement of financial position reports only cash and cash equivalents (those investments with terms to maturity of 90 days (three months) or less at the date of acquisition). Under the modified cash basis of accounting, transactions are recorded in the accounts when cash and/or cash equivalents are received or disbursed and assets and liabilities are recognized to the extent that cash has been received or disbursed. The acceptable modification to the cash basis of accounting implemented by the Municipality in these financial statements is:

> Recording long-term investments in marketable securities (those with maturities more than 90-days (three months) from the date of acquisition) acquired with cash assets at cost.

As a result of the use of this modified cash basis of accounting, certain assets and their related revenues (such as accounts receivable and revenue for billed or provided services not yet collected) and certain liabilities and their related expenses (such as accounts payable and expenses for goods or services received but not yet paid, and accrued expenses and liabilities) <u>are not recorded</u> in these financial statements.

If the Municipality applied USGAAP, the fund financial statements for governmental funds would use the modified accrual basis of accounting, while the fund financial statements for proprietary fund types and fiduciary fund types would use the accrual basis of accounting. All government-wide financial statements would be presented on the accrual basis of accounting.

d. <u>Deposits and Investments</u>:

For the purpose of financial reporting, "cash and cash equivalents" includes all demand and savings accounts and certificates of deposit or short-term investments with a term to maturity at date of acquisition of three months or less. Investments in open-end mutual fund shares, or similar investments in external investment pools, are also considered to be cash equivalents.

e. <u>Capital Assets</u>:

Capital assets include land, buildings, machinery and equipment, and all other tangible or intangible assets that are used in operations and that have initial useful lives extending beyond a single reporting period. *Infrastructure assets* are long-lived capital assets that normally are stationary in nature and normally can be preserved for significantly greater number of years than most capital assets.

As discussed in Note 1.c. above, the government-wide Statement of Net Position and Statement of Activities and the fund financial statements are presented using a modified cash

basis of accounting. The Municipality has not elected to modify their cash basis presentation by recording capital assets arising from cash transactions and depreciating those assets where appropriate so any capital assets owned by the Municipality and the related depreciation are not reported on the financial statements of the Municipality.

f. Long-Term Liabilities:

Long-term liabilities include, but are not limited to, Revenue Bonds and Financing (Capital Acquisition) Leases.

As discussed in Note 1.c. above, the government-wide Statement of Net Position and Statement of Activities and the fund financial statements are presented using a modified cash basis of accounting. The Municipality has not elected to modify their cash basis presentation by recording long-term debt arising from cash transactions so any outstanding indebtedness is not reported on the financial statements of the Municipality. The Municipality does report the principal and interest payments on long-term debt as Debt Service expenditures on the Statement of Revenues, Expenditures and Changes in Fund Balances. On the Statement of Activities the principal portion of these Debt Service payments are reported within the appropriate expense function while the interest portion is reported as Interest on Long-Term Debt.

The Municipality has presented as Supplementary Information a Schedule of Changes in Long-Term Debt along with related notes that include details of any outstanding Long-Term Debt.

g. Program Revenues:

Program revenues derive directly from the program itself or from parties other than the Municipality's taxpayers or citizenry, as a whole. Program revenues are classified into three categories, as follows:

1. Charges for services – These arise from charges to customers, applicants, or others who purchase, use, or directly benefit from the goods, services, or privileges provided, or are otherwise directly affected by the services.
2. Program-specific operating grants and contributions – These arise from mandatory and voluntary non-exchange transactions with other governments, organizations, or individuals that are restricted for use in a particular program.
3. Program-specific capital grants and contributions – These arise from mandatory and voluntary non-exchange transactions with other governments, organizations, or individuals that are restricted for the acquisition of capital assets for use in a particular program.

h. Proprietary Funds Revenue and Expense Classifications:

In the proprietary fund's Statement of Revenues, Expenses and Changes in Net Position, revenues and expenses are classified as operating or non-operating revenues and expenses. Operating revenues and expenses directly relate to the purpose of the fund.

i. Equity Classifications:

Government-wide Financial Statements:

Equity is classified as Net Position and is displayed in two components:

1. Restricted Net Position – Consists of net position with constraints placed on their use either by (a) external groups such as creditors, grantors, contributors, or laws and

regulations of other governments; or (b) law through constitutional provisions or enabling legislation.

2. Unrestricted Net Position – All other net position that do not meet the definition of Restricted Net Position.

Fund Financial Statements:

Governmental fund equity is classified as fund balance, and may distinguish between "Nonspendable", "Restricted", "Committed", "Assigned", and "Unassigned" components. Proprietary fund equity is classified the same as in the government-wide financial statements. Fiduciary fund equity (except for Agency Funds, which have no fund equity) is reported as Net Position – Restricted.

j. Application of Net Position:

It is the Municipality's policy to first use restricted net position, prior to the use of unrestricted net position, when an expense is incurred for purposes for which both restricted and unrestricted net position are available.

k. Fund Balance Classification Policies and Procedures:

In accordance with Government Accounting Standards Board (GASB) No. 54, Fund Balance Reporting and Governmental Fund Type Definitions, the Municipality classifies governmental fund balances as follows:

- Nonspendable – includes fund balance amounts that cannot be spent either because it is not in spendable form or because of legal or contractual constraints.
- Restricted – includes fund balance amounts that are constrained for specific purposes which are externally imposed by providers, such as creditors or amounts constrained due to constitutional provisions or enabling legislation.
- Committed – includes fund balance amounts that are constrained for specific purposes that are internally imposed by the government through formal action of the highest level of decision making authority and does not lapse at year-end.
- Assigned – includes fund balance amounts that are intended to be used for specific purposes that are neither considered restricted or committed. Fund Balance may be assigned by the Municipal Commission.
- Unassigned – includes positive fund balance within the General Fund which has not been classified within the above mentioned categories and negative fund balances in other governmental funds.

The Municipality uses *restricted/committed* amounts first when both restricted and unrestricted fund balance is available unless there are legal documents/contracts that prohibit doing this, such as a grant agreement requiring dollar for dollar spending. Additionally, the Government would first use *committed, then assigned, and lastly unassigned amounts* of unrestricted fund balance when expenditures are made.

The Municipality *does not* have a formal minimum fund balance policy.

A schedule of fund balances is provided as follows:

MUNICIPALITY OF LEAD
DISCLOSURE OF FUND BALANCES REPORTED ON BALANCE SHEET
GOVERNMENTAL FUNDS
December 31, 2014

	General Fund	Liquor, Lodging and Dining Gross Receipts Tax Fund	Other Governmental Funds	Total Governmental Funds
Fund Balances:				
Restricted For:				
Promotional Purposes	$	$ 111,562.61	$	$ 111,562.61
Cemetery Perpetual Care Purposes-Non-Expendable			50,000.00	50,000.00
Cemetery Perpetual Care Purposes-Expendable			50,843.43	50,843.43
Assigned To:				
Capital Outlay Accumulation Purposes	158,671.54			158,671.54
Library Purposes			39,654.23	39,654.23
Unassigned	646,540.24			646,540.24
Total Fund Balances	$ 805,211.78	$ 111,562.61	$ 140,497.66	$ 1,057,272.05

2. VIOLATIONS OF FINANCE-RELATED LEGAL AND CONTRACTUAL PROVISIONS

The Municipality is prohibited by statute from spending in excess of appropriated amounts at the department level. The following represents the significant overdrafts of the expenditures compared to appropriations:

	Year Ended 12/31/2014
Liquor, Lodging and Dining Gross Receipts Tax Fund:	
Activity	
Economic Development and Assistance	$ 8,976.70

The Municipality plans to take the following actions to address these violations:

The Municipality will monitor the budget for Chamber subsidies under Economic Development Activity in the future.

3. DEPOSITS AND INVESTMENTS CREDIT RISK, CONCENTRATIONS OF CREDIT RISK AND INTEREST RATE RISK

The Municipality follows the practice of aggregating the cash assets of various funds to maximize cash management efficiency and returns. Various restrictions on deposits and investments are imposed by statutes. These restrictions are summarized below:

Deposits – The Municipality's cash deposits are made in qualified public depositories as defined by SDCL 4-6A-1, 9-22-6, 9-22-6.1 and 9-22-6.2, and may be in the form of demand or time deposits. Qualified depositories are required by SDCL 4-6A-3 to maintain at all times, segregated from their

other assets, eligible collateral having a value equal to at least 100 percent of the public deposit accounts which exceed deposit insurance such as the FDIC and NCUA. In lieu of pledging eligible securities, a qualified public depository may furnish irrevocable standby letters of credit issued by federal home loan banks accompanied by written evidence of that bank's public debt rating which may not be less than "AA" or a qualified public depository may furnish a corporate surety bond of a corporation authorized to do business in South Dakota.

Investments – In general, SDCL 4-5-6 permits Municipality funds to be invested only in (a) securities of the United States and securities guaranteed by the United States Government either directly or indirectly; or (b) repurchase agreements fully collateralized by securities described in (a) above; or in shares of an open-end, no-load fund administered by an investment company whose investments are in securities described in (a) above and repurchase agreements described in (b) above. Also, SDCL 4-5-9 requires investments to be in the physical custody of the political subdivision or may be deposited in a safekeeping account with any bank or trust company designated by the political subdivision as its fiscal agent.

Credit Risk – State law limits eligible investments for the Municipality, as discussed above. The Municipality has no investment policy that would further limit its investment choices.

As of December 31, 2014, the Municipality had the following investments:

Investments	Credit Rating	Fair Value
Mutual Funds:		
Franklin Adjustable U.S. Government Securities Fund	AAF	$ 74,962.68
External Investment Pools:		
SDFIT	Unrated	3,711.39
TOTAL INVESTMENTS		$ 78,674.07

The South Dakota Public Fund Investment Trust (SDFIT) is an external investment pool created for South Dakota local government investing. It is regulated by a nine member board with representation from municipalities, school districts and counties. The net asset value of the SDFIT money market account (GCR) is kept at one dollar per share by adjusting the rate of return on a daily basis. Earnings are credited to each account on a monthly basis.

Concentration of Credit Risk – The Municipality places no limit on the amount that may be invested in any one issuer. More than 5 percent of the Municipality's investments are in Franklin Adjustable U.S. Government Securities Fund – Class A 95.3%.

Interest Rate Risk – The Municipality does not have a formal investment policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates.

Assignment of Investment Income – State law allows income from deposits and investments to be credited to either the General Fund or the fund making the investment. The Municipality's policy is to credit all income from investments to the fund making the investment, except for interest generated by the Cemetery Perpetual Care Fund, which must be credited to the General Fund, and used only for maintenance of the municipal cemetery, as required by SDCL 9-32-18.

4. PROPERTY TAXES

Property taxes are levied on or before October 1, of the year preceding the start of the fiscal year. They attach as an enforceable lien on property, and become due and payable as of January 1, the first day of the fiscal year. Taxes are payable in two installments on or before April 30 and October 31 of the fiscal year.

The Municipality is permitted by several state statutes to levy varying amounts of taxes per $1,000 of taxable valuation on taxable real property in the Municipality.

5. INTERFUND TRANSFERS

Interfund transfers for the year ended December 31, 2014 were as follows:

	Transfers To:
Transfers From:	Other Governmental Funds Library Fund
Major Funds:	
General Fund	$ 70,053.00

The Municipality typically budgets transfers to the Library Fund (Other Governmental Fund) to conduct the indispensable functions of the Municipality.

6. PRIOR PERIOD ADJUSTMENT – BEGINNING FUND BALANCE/NET POSITION ADJUSTMENT FOR CHANGE IN BASIS OF ACCOUNTING

Beginning Fund Balance of the Governmental Funds has been adjusted to restate the cumulative effects of changing from the modified accrual basis of accounting to the modified cash basis of accounting (See Note 1.c.). The following items reconcile the beginning fund balances.

	General Fund	Other Governmental Funds	Total Governmental Funds
Accounts Payable	$ 71,820.00	$ 1,173.00	$ 72,993.00
Accrued Wages Payable	22,428.00	2,259.00	24,687.00
Due From Other Government	(156,028.00)	(2,982.00)	(159,010.00)
Inventory of Supplies	(18,000.00)		(18,000.00)
Deposits	(69,918.00)		(69,918.00)
Beginning Fund Balance Adjustments Due to Accounting Change – Modified Accrual to Modified Cash Basis	$ (149,698.00)	$ 450.00	$ (149,248.00)

Beginning Fund Balance of the Proprietary Funds has been adjusted to restate the cumulative effects of changing from the full accrual basis of accounting to the modified cash basis of accounting (See Note 1.c.). The following items reconcile the beginning fund balances.

	Water Fund	Sewer Fund	Solid Waste Funds	Total Proprietary Funds
Accounts Payable	$ 31,157.00	$ 991.00	$ 16,996.00	$ 49,144.00
Accrued Wages Payable	3,864.00			3,864.00
Accounts Receivable, Net	(60,996.00)	(15,406.00)	(15,947.00)	(92,349.00)
Capital Assets and Related Acc. Dep.	(3,005,207.00)	(2,903,607.00)		(5,908,814.00)
Compensated Absences	7,082.00	3,751.00		10,833.00
Long-Term Liabilities	613,171.00	487,021.00		1,100,192.00
Beginning Fund Balance Adjustments Due to Accounting Change – Full Accrual to Modified Cash Basis	$ (2,410,929.00)	$ (2,427,250.00)	$ 1,049.00	$ (4,837,130.00)

Beginning Net Position of the Proprietary Funds/Business-Type Activities, and the Governmental Activities has been adjusted to restate the cumulative effects of changing from the full accrual basis of accounting to the modified cash basis of accounting (see Note 1.c.). The following items reconcile the beginning net position.

	Total Governmental Activities
Net Affect of Governmental Funds (above)	$ (149,248.00)
Capital Assets and Related Accumulated Depreciation	(3,757,102.00)
Long-Term Liabilities	245,950.00
Assets Deferred in the funds	(48,549.00)
Beginning Net Position Adjustments Due to Accounting Change – Full Accrual to Modified Cash Basis	$ (3,708,949.00)

	Total Business-Type Activities
Accounts Payable	$ 49,144.00
Accrued Wages Payable	3,864.00
Accounts Receivable, Net	(92,349.00)
Capital Assets and Related Accumulated Depreciation	(5,908,814.00)
Compensated Absences	10,833.00
Long-Term Liabilities	1,100,192.00
Beginning Net Position Adjustments Due to Accounting Change – Full Accrual to Modified Cash Basis	$ (4,837,130.00)

7. RETIREMENT PLAN

All employees, except for part-time employees, participate in the South Dakota Retirement System (SDRS), a cost-sharing, multiple employer public employee retirement system established to provide retirement benefits for employees of the State of South Dakota and its political subdivisions. The SDRS provides retirement, disability and survivor benefits. The right to receive retirement benefits vests after three years of credited service. Authority for establishing, administering and amending plan provisions are found in South Dakota Codified Law 3-12. The SDRS issues a publicly available financial report that includes financial statements and required supplementary information. That report may be obtained by writing to the SDRS, P.O. Box 1098, Pierre, SD 57501-1098 or by calling (605) 773-3731.

General employees are required by state statute to contribute 6 percent of their salary to the plan, while public safety and judicial employees contribute at 8 percent and 9 percent, respectively. State statute also requires the employer to contribute an amount equal to the employee's contribution. State statute also requires the employer to make an additional contribution in the amount of 6.2 percent for any compensation exceeding the maximum taxable amount for social security for general employees only. The Municipality's share of contributions to the SDRS for the fiscal years ended December 31, 2014, 2013, and 2012 were $56,848, $58,841, and $56,934, respectively, equal to the required contributions each year.

8. FIREMEN'S PENSION PLAN

Plan Description. The Municipality also sponsored and administers the Firemen Pension Trust Fund (the plan). The Municipality no longer maintains a municipal fire department as they became members of the Lead Fire Protection District, Inc. in April of 2008. The plan is being maintained for the last two remaining members of the disbanded municipal fire department. The plan is a single employer; defined benefit pension plan established under the authority of SDCL 9-16-20 and 9-16-3. The membership of the plan included all full-time firemen in the employ of the Municipality. A firemen's pension board of five members is in charge of the administration, management, and operation of the plan. The plan is supposed to be reviewed biennially by an actuary firm; however, due to the fact that there are only two remaining members receiving benefits, it is not practical, nor cost beneficial to perform an actuarial study. The Municipal Council established and can make changes to the plan through ordinances of the Municipality.

Funding Policy. The system is a defined benefit pension plan. Pursuant to Municipal ordinances, the members were to contribute 6 percent of compensation. The members' contributions earn interest at 6 percent. The members' contributions and earned interest may be withdrawn upon termination of employment. The plan is considered to be part of the Municipality and is included in the Municipality's financial statements as a Firemen's Pension Trust Fund. No contributions have been made to the plan by the Municipality or members since 2008.

As of December 31, 2014, the plan consisted of two (2) retirees and beneficiaries currently receiving benefits.

Retirement with no reduction for early retirement occurs at 20 years of service or at the age of 60 regardless of service. Benefits commence at age 55 with the completion of 10 years of service.

Deferred retirement is computed as a regular retirement benefit but based on service and final average compensation at the time of termination. Eligibility for deferred retirement occurs after 10 years of service or at age 60 regardless of service. Benefits from deferred retirement commence at age 55 with the completion of 10 years of service.

The standard benefit upon retirement is equal to 2.75% times the first 25 years of service, plus 1.5% times the years of service in excess of 25 years. Maximum benefits are 75% of earnings of a

first-class fireman during the year of retirement. The final average compensation means the five consecutive years preceding retirement. The plan does not include any post retirement cost of living adjustments.

As of December 31, 2014, the plan had Cash Equivalents and Investments in the amount of $395,820. The projected future yearly trust fund deduction for pensions for the next 6 years is approximately $14,600 and will then increase to approximately $27,338. As of December 31, 2014, the plan has enough assets to cover the expected benefits for approximately 17 years.

9. SIGNIFICANT CONTINGENCIES – LITIGATION

At December 31, 2014, the Municipality was not involved in any litigation.

10. RISK MANAGEMENT

The Municipality is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During the period ended December 31, 2014, the Municipality managed its risks as follows:

Employee Health Insurance:

The Municipality purchases health insurance for its employees from a commercial insurance carrier. Settled claims resulting from these risks have not exceeded the liability coverage during the past three years.

Liability Insurance:

The Municipality joined the South Dakota Public Assurance Alliance (SDPAA), a public entity risk pool currently operating as a common risk management and insurance program for South Dakota local government entities. The objective of the SDPAA is to administer and provide risk management services and risk sharing facilities to the members and to defend and protect the members against liability, to advise members on loss control guidelines and procedures, and provide them with risk management services, loss control and risk reduction information and to obtain lower costs for that coverage. The Municipality's responsibility is to promptly report to and cooperate with the SDPAA to resolve any incident which could result in a claim being made by or against the Municipality. The Municipality pays an annual premium, to provide liability coverage detailed below, under a claims-made policy and the premiums are accrued based on the ultimate cost of the experience to date of the SDPAA member, based on their exposure or type of coverage. The Municipality pays an annual premium to the pool to provide coverage for:

Automobile and General Liability

The agreement with the SDPAA provides that the above coverages will be provided to a $325,000 limit. Member premiums are used by the pool for payment of claims and to pay for reinsurance for claims in excess of $250,000 for property coverage and $500,000 for liability coverage to the upper limit. A portion of the member premiums are also allocated to a cumulative reserve fund. The Municipality would be eligible to receive a refund for a percentage of the amount allocated to the cumulative reserve fund on the following basis:

End of Municipality's First Full Year	50%
End of Municipality's Second Full Year	60%
End of Municipality's Third Full Year	70%
End of Municipality's Fourth Full Year	80%

End of Municipality's Fifth Full Year	90%
End of Municipality's Sixth Full Year and Thereafter	100%

As of December 31, 2014, the Municipality has vested balance in the cumulative reserve fund of $69,917.98.

The Municipality carries a $1,000 deductible for the Automobile and General Liability coverage. The Municipality does not carry additional insurance to cover claims in excess of the upper limit. Settled claims resulting from these risks have not exceeded the liability coverage during the past three years.

Worker's Compensation:

The Municipality joined the South Dakota Municipal League Worker's Compensation Fund (Fund), a public entity risk pool currently operating as a common risk management and insurance program for South Dakota local government entities. The objective of the Fund is to formulate, develop, and administer, on behalf of the member organizations, a program of worker's compensation coverage, to obtain lower costs for that coverage, and to develop a comprehensive loss control program. The Municipality's responsibility is to initiate and maintain a safety program to give its employees safe and sanitary working conditions and to promptly report to and cooperate with the Fund to resolve any worker's compensation claims. The Municipality pays an annual premium, to provide worker's compensation coverage for its employees, under a self-funded program and the premiums are accrued based on the ultimate cost of the experience to date of the Fund members. Coverage limits are set by state statute. The pool pays the first $650,000 of any claim per individual. The pool has reinsurance which covers up to statutory limits in addition to a separate combined employer liability limit of $2,000,000 per incident.

The Municipality does not carry additional insurance to cover claims in excess of the upper limit. Settled claims resulting from these risks have not exceeded the liability coverage over the past three years.

Unemployment Benefits:

The Municipality has elected to be self-insured and retain all risk for liabilities resulting from claims for unemployment benefits.

During the year ended December 31, 2014, no claims were filed for unemployment benefits.

SUPPLEMENTARY INFORMATION
MUNICIPALITY OF LEAD
BUDGETARY COMPARISON SCHEDULE - MODIFIED CASH BASIS
GENERAL FUND
For the Year Ended December 31, 2014

	Budgeted Amounts			Variance with Final Budget
	Original	Final	Actual Amounts	Positive (Negative)
Revenues:				
Taxes:				
General Property Taxes	$ 1,190,067.00	$ 1,190,067.00	$ 1,179,004.70	$ (11,062.30)
General Sales and Use Taxes	600,000.00	600,000.00	715,317.64	115,317.64
Penalties and Interest on Delinquent Taxes	8,250.00	8,250.00	10,533.76	2,283.76
Licenses and Permits	58,150.00	58,150.00	69,718.45	11,568.45
Intergovernmental Revenue:				
Federal Grants	135,916.00	135,916.00	169,457.96	33,541.96
State Grants	2,000.00	2,000.00	19,769.59	17,769.59
State Shared Revenue:				
Bank Franchise Tax	15,000.00	15,000.00	16,051.72	1,051.72
Liquor Tax Reversion	4,000.00	4,000.00	20,929.38	16,929.38
Motor Vehicle Licenses (5%)	23,000.00	23,000.00	30,672.72	7,672.72
Local Government Highway and Bridge Fund	60,000.00	60,000.00	74,202.78	14,202.78
Gaming Proceeds	75,000.00	75,000.00	63,612.48	(11,387.52)
County Shared Revenue:				
County Highway and Bridge Reserve Tax (25%)	2,750.00	2,750.00	425.56	(2,324.44)
Other	17,500.00	17,500.00	0.00	(17,500.00)
Charges for Goods and Services:				
General Government	6,500.00	6,500.00	6,405.45	(94.55)
Public Safety	0.00	0.00	12,172.08	12,172.08
Highways and Streets	2,000.00	2,000.00	1,647.88	(352.12)
Sanitation	4,000.00	4,000.00	10,189.71	6,189.71
Health	0.00	0.00	130.00	130.00
Culture and Recreation	1,550.00	1,550.00	5,740.00	4,190.00
Cemetery	8,550.00	8,550.00	7,840.00	(710.00)
Other	8,000.00	8,000.00	5,524.04	(2,475.96)
Fines and Forfeits:				
Court Fines and Costs	600.00	600.00	0.00	(600.00)
Animal Control Fines	500.00	500.00	1,646.90	1,146.90
Parking Meter Fines	2,500.00	2,500.00	1,969.00	(531.00)
Other	0.00	0.00	5.00	5.00
Miscellaneous Revenue:				
Investment Earnings	0.00	0.00	656.56	656.56
Rentals	0.00	0.00	2,342.88	2,342.88
Contributions and Donations from Private Sources	17,100.00	17,100.00	0.00	(17,100.00)
Other	0.00	0.00	3.00	3.00
Total Revenues	2,242,933.00	2,242,933.00	2,425,969.24	183,036.24
Expenditures:				
General Government:				
Legislative	169,736.00	169,736.00	149,895.16	19,840.84
Contingency	50,000.00	50,000.00		
Amount Transferred		(25,500.00)		24,500.00
Financial Administration	239,358.00	239,358.00	187,095.68	52,262.32
Other	142,832.00	142,832.00	97,887.50	44,944.50
Public Safety:				
Police	476,367.00	476,367.00	464,626.99	11,740.01
Fire	0.00	15,084.41	15,084.41	0.00
Protective Inspection	135,916.00	135,916.00	95,775.05	40,140.95
Public Works:				
Highways and Streets	695,546.00	695,546.00	671,876.80	23,669.20
Cemeteries	36,851.00	54,851.00	46,109.73	8,741.27
Health and Welfare:				
Health	85,803.00	91,303.00	88,887.17	2,415.83

SUPPLEMENTARY INFORMATION
MUNICIPALITY OF LEAD
BUDGETARY COMPARISON SCHEDULE - MODIFIED CASH BASIS
GENERAL FUND
For the Year Ended December 31, 2014
(Continued)

	Budgeted Amounts			Variance with Final Budget
	Original	Final	Actual Amounts	Positive (Negative)
Humane Society	9,475.00	9,475.00	8,071.33	1,403.67
Culture and Recreation:				
Recreation	98,325.00	98,325.00	21,627.59	76,697.41
Parks	117,989.00	119,989.00	116,151.76	3,837.24
Historical Preservation	40,500.00	40,500.00	28,315.00	12,185.00
Debt Service	118,600.00	118,600.00	86,499.97	32,100.03
Total Expenditures	2,417,298.00	2,432,382.41	2,077,904.14	354,478.27
Excess of Revenues Over (Under) Expenditures	(174,365.00)	(189,449.41)	348,065.10	537,514.51
Other Financing Sources (Uses):				
Transfers Out	0.00	0.00	(70,053.00)	(70,053.00)
Sale of Municipal Property	0.00	0.00	1,303.00	1,303.00
General Long-Term Debt Issued	66,000.00	66,000.00	14,848.00	(51,152.00)
Total Other Financing Sources (Uses)	66,000.00	66,000.00	(53,902.00)	(119,902.00)
Net Change in Fund Balance	(108,365.00)	(123,449.41)	294,163.10	417,612.51
Fund Balance - Beginning	660,746.68	660,746.68	660,746.68	0.00
Adjustments:				
Change in Basis of Accounting (See Note 6)	0.00	0.00	(149,698.00)	(149,698.00)
Adjusted Fund Balance - Beginning	660,746.68	660,746.68	511,048.68	(149,698.00)
FUND BALANCE - ENDING	$ 552,381.68	$ 537,297.27	$ 805,211.78	$ 267,914.51

SUPPLEMENTARY INFORMATION
MUNICIPALITY OF LEAD
BUDGETARY COMPARISON SCHEDULE - MODIFIED CASH BASIS
LIQUOR, LODGING AND DINING GROSS RECEIPTS TAX FUND
For the Year Ended December 31, 2014

	Budgeted Amounts			Variance with Final Budget
	Original	Final	Actual Amounts	Positive (Negative)
Revenues:				
Taxes:				
General Sales and Use Taxes	$ 33,000.00	$ 33,000.00	$ 65,362.52	$ 32,362.52
Miscellaneous Revenue:				
Investment Earnings	0.00	0.00	93.25	93.25
Total Revenues	33,000.00	33,000.00	65,455.77	32,455.77
Expenditures:				
Conservation and Development:				
Economic Development and Assistance (Industrial Development)	33,000.00	33,000.00	41,976.70	(8,976.70)
Net Change in Fund Balance	0.00	0.00	23,479.07	23,479.07
Fund Balance - Beginning	88,083.54	88,083.54	88,083.54	0.00
FUND BALANCE - ENDING	$ 88,083.54	$ 88,083.54	$ 111,562.61	$ 23,479.07

NOTES TO THE SUPPLEMENTARY INFORMATION
Schedules of Budgetary Comparisons for the General Fund
and for each major Special Revenue Fund with a legally required budget.

Note 1. Budgets and Budgetary Accounting:

The Municipality follows these procedures in establishing the budgetary data reflected in the schedules:

1. At the first regular board meeting in September of each year or within ten days thereafter, the Governing Board/Municipality Commission introduces the annual appropriation ordinance for the ensuing fiscal year.

2. After adoption by the Governing Board/Municipality Commission, the operating budget is legally binding and actual expenditures for each purpose cannot exceed the amounts budgeted, except as indicated in number 4.

3. A line item for contingencies may be included in the annual budget. Such a line item may not exceed 5 percent of the total municipal budget and may be transferred by resolution of the Governing Board/Municipality Commission to any other budget category that is deemed insufficient during the year.

4. If it is determined during the year that sufficient amounts have not been budgeted, state statute allows the adoption of supplemental budgets.

5. Unexpended appropriations lapse at year end unless encumbered by resolution of the Governing Board/Municipality Commission.

   Encumbrance accounting, under which purchase orders, contracts, and other commitments for the expenditure of monies are recorded in order to reserve that portion of the applicable appropriation, is employed as an extension of formal budgetary integration in the General Fund and special revenue funds.

6. Formal budgetary integration is employed as a management control device during the year for the General Fund and special revenue funds.

Note 2. Expenditures in Excess of Appropriations:

The following represents the overdraft of the expenditures compared to appropriations at the legal level of budgetary control for the General Fund and for each major Special Revenue Fund.

	Year Ended 12/31/2014
Liquor, Lodging and Dining Gross Receipts Tax Fund:	
Activity	
Conservation and Development – Economic Development and Assistance (Industrial Development)	$ 8,976.70

SUPPLEMENTARY INFORMATION
MUNCIPALITY OF LEAD
SCHEDULE OF CHANGES IN LONG-TERM DEBT
For the Year Ended December 31, 2014

Indebtedness	Long-Term Debt January 1, 2014	Add New Debt	Less Debt Retired	Long-Term Debt December 31, 2014
Governmental Long-Term Debt:				
Financing (Capital Acquisition) Leases	$ 188,147.51	$	$ (88,774.91)	$ 99,372.60
Other Long-Term Obligations		67,000.00		67,000.00
Enterprise Long-Term Debt:				
Revenue Bonds	1,100,191.43	675,307.00	(49,944.61)	1,725,553.82
Total	$ 1,288,338.94	$ 742,307.00	$ (138,719.52)	$ 1,891,926.42

Note 1 - Long-Term Debt:

Debt payable at December 31, 2014 is comprised of the following:

Revenue Bonds:

2005 Drinking Water State Revolving Fund (SRF) #2, Final Maturity -- October 1, 2035, Interest Rate -- 3.25%, Payments made from Water Fund	$ 152,860.68
2010 Drinking Water State Revolving Fund (SRF) #3, Final Maturity -- January 1, 2032, Interest Rate -- 3.00%, Payments made from Water Fund	$ 436,265.02
2005 Clean Water State Revolving Fund (SRF) #5, Final Maturity -- October 1, 2025, Interest Rate -- 3.25%, Payments made from Sewer Fund	$ 138,304.16
2007 Clean Water State Revolving Fund (SRF) #6, Final Maturity -- July 1, 2029, Interest Rate -- 3.25%, Payments made from Sewer Fund	$ 192,106.30
2011 Clean Water State Revolving Fund (SRF) #7, Final Maturity -- April 1, 2032, Interest Rate -- 3.00%, Payments made from Sewer Fund	$ 130,710.66
2014-2015 State Revolving Fund (SRF) Loan in Progress through 2015 as part of Main Street restoration project. Payments made from the Water and Sewer Fund.	$ 675,307.00

Financing (Capital Acquisition) Leases:

Caterpillar 140HNA #CCA01832, Maturity Date of January 23, 2017, Interest Rate of 3.20%, Payment from the General Fund	$ 40,033.43
Caterpillar Lease, Maturity Date January 1, 2017, Interest Rate of 6.37%, Payment from the General Fund	$ 59,339.17

Other Long-Term Obligations:

Bank Loan for two Police Ford Explorers, Maturity Date of February 19, 2017, Interest Rate of 2.10%, Payment from the General Fund	$ 67,000.00

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 411.1 Mayor & Commission	Dept 411.5 Contingency
	Subtotals	$ 4,453,519	$ 184,897	$ 50,000
4110	Wages	$ 1,009,844	$ 24,186	
4120	OASI (Payroll Taxes)	$ 77,253	$ 1,850	
4130	SDRS-Retirement	$ 64,640		
4140	Workman's Comp	$ 34,365	$ 94	
4150	Group Medical Insurance	$ 236,563		
4151	Medical (Buy Down Only)	$ 26,000		
4210	Insurance & Bonds	$ 68,900		
4211	Property Damage	$ 10,500		
4212	Dental	$ 14,400		
4220	Professional Fees & Services	$ 136,640	$ 47,065	
4221	Engineering Fees	$ 17,500		
4230	Publishing	$ 6,200		
4240	Rentals & Contracts	$ 232,725		
4251	Vehicle Repair	$ 22,500		
4252	Building Repair	$ 7,300		
4253	Equipment/Tool Repair	$ 54,300		
4254	Street/Walk Repair	$ 70,000		
4255	Sewer/Water Repair	$ 20,500		
4256	Fence/Tool Repair	$ 300		
4260	Computers/Service	$ 22,000		
4261	Office Supplies	$ 14,650		
4262	Gas, Oil & Diesel	$ 102,000		
4263	Clothing & Food	$ 4,550		
4264	Janitorial Supplies	$ 12,200		
4265	Minor Tools/Machinery	$ 10,500		
4266	Agricultural Supplies	$ 2,250		
4267	Propane	$ 7,000		
4268	Chemicals	$ 23,000		
4269	Signs	$ 20,500		
4270	Travel/Training	$ 9,350	$ 1,000	
4281	Telephone	$ 13,300		
4282	Electricity	$ 99,200		
4283	Natural Gas	$ 19,500		
4284	Sewer	$ 1,505		
4285	Water	$ 355,000		
4286	Books/Subscriptions	$ 15,000		
4310	Land Capital Outlay	$ -		
4320	Buildings & Structures	$ 62,500		
4330	Improvements other than Bldgs	$ 1,065,000		
4340	Machinery	$ -		
4342	Books	$ 13,500		
4350	Equipment	$ 26,000		
4370	Street Improvements	$ -		
4380	Automobiles	$ 30,000		
4410	Debt Principal	$ 144,140		
4420	Debt Interest	$ 67,043		
4530	Refunds	$ 200		
4540	Grants to Other Entities	$ 143,201	$ 110,701	
4560	Subsidies	$ 60,000		$ 50,000

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 414.1 Attorney	Dept 414.2 Finance
	Subtotals	$ 4,453,519	$ 10,000	$ 212,293
4110	Wages	$ 1,009,844		$ 95,687
4120	OASI (Payroll Taxes)	$ 77,253		$ 7,320
4130	SDRS-Retirement	$ 64,640		$ 5,741
4140	Workman's Comp	$ 34,365		$ 373
4150	Group Medical Insurance	$ 236,563		$ 22,922
4151	Medical (Buy Down Only)	$ 26,000		$ 2,000
4210	Insurance & Bonds	$ 68,900		$ 7,000
4211	Property Damage	$ 10,500		$ -
4212	Dental	$ 14,400		$ 900
4220	Professional Fees & Services	$ 136,640	$ 10,000	$ 25,000
4221	Engineering Fees	$ 17,500		$ -
4230	Publishing	$ 6,200		$ 6,100
4240	Rentals & Contracts	$ 232,725		$ 1,500
4251	Vehicle Repair	$ 22,500		$ -
4252	Building Repair	$ 7,300		$ -
4253	Equipment/Tool Repair	$ 54,300		$ -
4254	Street/Walk Repair	$ 70,000		$ -
4255	Sewer/Water Repair	$ 20,500		$ -
4256	Fence/Tool Repair	$ 300		$ -
4260	Computers/Service	$ 22,000		$ 15,000
4261	Office Supplies	$ 14,650		$ 5,000
4262	Gas, Oil & Diesel	$ 102,000		$ -
4263	Clothing & Food	$ 4,550		$ 500
4264	Janitorial Supplies	$ 12,200		$ 5,500
4265	Minor Tools/Machinery	$ 10,500		$ -
4266	Agricultural Supplies	$ 2,250		$ -
4267	Propane	$ 7,000		$ -
4268	Chemicals	$ 23,000		$ -
4269	Signs	$ 20,500		$ -
4270	Travel/Training	$ 9,350		$ 1,750
4281	Telephone	$ 13,300		$ 10,000
4282	Electricity	$ 99,200		$ -
4283	Natural Gas	$ 19,500		$ -
4284	Sewer	$ 1,505		$ -
4285	Water	$ 355,000		$ -
4286	Books/Subscriptions	$ 15,000		$ -
4310	Land Capital Outlay	$ -		$ -
4320	Buildings & Structures	$ 62,500		$ -
4330	Improvements other than Bldgs	$ 1,065,000		$ -
4340	Machinery	$ -		$ -
4342	Books	$ 13,500		$ -
4350	Equipment	$ 26,000		$ -
4370	Street Improvements	$ -		$ -
4380	Automobiles	$ 30,000		$ -
4410	Debt Principal	$ 144,140		$ -
4420	Debt Interest	$ 67,043		$ -
4530	Refunds	$ 200		$ -
4540	Grants to Other Entities	$ 143,201		$ -
4560	Subsidies	$ 60,000		$ -

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 419.2 Government Bldgs	Dept 419.6 Engineer
	Subtotals	$ 4,453,519	$ 125,416	$ 10,000
4110	Wages	$ 1,009,844	$ 36,836	
4120	OASI (Payroll Taxes)	$ 77,253	$ 2,818	
4130	SDRS-Retirement	$ 64,640	$ 2,210	
4140	Workman's Comp	$ 34,365	$ 1,636	
4150	Group Medical Insurance	$ 236,563	$ 12,216	
4151	Medical (Buy Down Only)	$ 26,000	$ 3,000	
4210	Insurance & Bonds	$ 68,900	$ 21,000	
4211	Property Damage	$ 10,500	$ -	
4212	Dental	$ 14,400	$ 750	
4220	Professional Fees & Services	$ 136,640	$ 7,500	
4221	Engineering Fees	$ 17,500	$ -	$ 10,000
4230	Publishing	$ 6,200	$ -	
4240	Rentals & Contracts	$ 232,725	$ 6,000	
4251	Vehicle Repair	$ 22,500	$ -	
4252	Building Repair	$ 7,300	$ 5,000	
4253	Equipment/Tool Repair	$ 54,300	$ 1,500	
4254	Street/Walk Repair	$ 70,000	$ -	
4255	Sewer/Water Repair	$ 20,500	$ -	
4256	Fence/Tool Repair	$ 300	$ -	
4260	Computers/Service	$ 22,000	$ -	
4261	Office Supplies	$ 14,650	$ -	
4262	Gas, Oil & Diesel	$ 102,000	$ -	
4263	Clothing & Food	$ 4,550	$ -	
4264	Janitorial Supplies	$ 12,200	$ 4,000	
4265	Minor Tools/Machinery	$ 10,500	$ 2,500	
4266	Agricultural Supplies	$ 2,250	$ -	
4267	Propane	$ 7,000	$ -	
4268	Chemicals	$ 23,000	$ -	
4269	Signs	$ 20,500	$ -	
4270	Travel/Training	$ 9,350	$ -	
4281	Telephone	$ 13,300	$ -	
4282	Electricity	$ 99,200	$ 10,000	
4283	Natural Gas	$ 19,500	$ 6,500	
4284	Sewer	$ 1,505	$ 450	
4285	Water	$ 355,000	$ -	
4286	Books/Subscriptions	$ 15,000	$ -	
4310	Land Capital Outlay	$ -	$ -	
4320	Buildings & Structures	$ 62,500	$ -	
4330	Improvements other than Bldgs	$ 1,065,000	$ -	
4340	Machinery	$ -	$ -	
4342	Books	$ 13,500	$ -	
4350	Equipment	$ 26,000	$ 1,500	
4370	Street Improvements	$ -	$ -	
4380	Automobiles	$ 30,000	$ -	
4410	Debt Principal	$ 144,140	$ -	
4420	Debt Interest	$ 67,043	$ -	
4530	Refunds	$ 200	$ -	
4540	Grants to Other Entities	$ 143,201	$ -	
4560	Subsidies	$ 60,000	$ -	

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 421.0 Police Department	Dept 431.2 Street Department
	Subtotals	$ 4,453,519	$ 451,431	$ 434,231
4110	Wages	$ 1,009,844	$ 275,039	$ 106,126
4120	OASI (Payroll Taxes)	$ 77,253	$ 21,041	$ 8,119
4130	SDRS-Retirement	$ 64,640	$ 22,003	$ 6,368
4140	Workman's Comp	$ 34,365	$ 9,296	$ 7,004
4150	Group Medical Insurance	$ 236,563	$ 50,352	$ 48,035
4151	Medical (Buy Down Only)	$ 26,000	$ 4,500	$ 6,000
4210	Insurance & Bonds	$ 68,900	$ 11,500	$ 12,000
4211	Property Damage	$ 10,500	$ 2,000	$ 1,500
4212	Dental	$ 14,400	$ 4,000	$ 3,000
4220	Professional Fees & Services	$ 136,640	$ 18,500	$ 3,000
4221	Engineering Fees	$ 17,500	$ -	$ -
4230	Publishing	$ 6,200	$ -	$ -
4240	Rentals & Contracts	$ 232,725	$ -	$ 2,500
4251	Vehicle Repair	$ 22,500	$ 7,500	$ 4,000
4252	Building Repair	$ 7,300	$ -	$ -
4253	Equipment/Tool Repair	$ 54,300	$ 7,000	$ 15,000
4254	Street/Walk Repair	$ 70,000	$ -	$ 70,000
4255	Sewer/Water Repair	$ 20,500	$ -	$ -
4256	Fence/Tool Repair	$ 300	$ -	$ -
4260	Computers/Service	$ 22,000	$ -	$ -
4261	Office Supplies	$ 14,650	$ -	$ -
4262	Gas, Oil & Diesel	$ 102,000	$ 13,000	$ 35,000
4263	Clothing & Food	$ 4,550	$ 1,500	$ 250
4264	Janitorial Supplies	$ 12,200	$ -	$ 1,000
4265	Minor Tools/Machinery	$ 10,500	$ 3,000	$ 2,000
4266	Agricultural Supplies	$ 2,250	$ -	$ -
4267	Propane	$ 7,000	$ -	$ 7,000
4268	Chemicals	$ 23,000	$ -	$ -
4269	Signs	$ 20,500	$ -	$ 20,000
4270	Travel/Training	$ 9,350	$ 1,100	$ 500
4281	Telephone	$ 13,300	$ -	$ -
4282	Electricity	$ 99,200	$ -	$ 65,000
4283	Natural Gas	$ 19,500	$ -	$ 7,500
4284	Sewer	$ 1,505	$ -	$ 330
4285	Water	$ 355,000	$ -	$ -
4286	Books/Subscriptions	$ 15,000	$ -	$ -
4310	Land Capital Outlay	$ -	$ -	$ -
4320	Buildings & Structures	$ 62,500	$ -	$ -
4330	Improvements other than Bldgs	$ 1,065,000	$ -	$ -
4340	Machinery	$ -	$ -	$ -
4342	Books	$ 13,500	$ -	$ -
4350	Equipment	$ 26,000	$ -	$ 3,000
4370	Street Improvements	$ -	$ -	$ -
4380	Automobiles	$ 30,000	$ -	$ -
4410	Debt Principal	$ 144,140	$ -	$ -
4420	Debt Interest	$ 67,043	$ -	$ -
4530	Refunds	$ 200	$ 100	$ -
4540	Grants to Other Entities	$ 143,201	$ -	$ -
4560	Subsidies	$ 60,000	$ -	$ -

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 431.5 Snow Removal	Dept 437.0 Cemetery
	Subtotals	$ 4,453,519	$ 234,116	$ 33,282
4110	Wages	$ 1,009,844	$ 106,126	$ 22,425
4120	OASI (Payroll Taxes)	$ 77,253	$ 8,119	$ 1,716
4130	SDRS-Retirement	$ 64,640	$ 6,368	$ 1,346
4140	Workman's Comp	$ 34,365	$ 7,004	$ 996
4150	Group Medical Insurance	$ 236,563		
4151	Medical (Buy Down Only)	$ 26,000	$ -	$ -
4210	Insurance & Bonds	$ 68,900	$ 1,500	$ -
4211	Property Damage	$ 10,500	$ 5,000	$ -
4212	Dental	$ 14,400	$ -	$ -
4220	Professional Fees & Services	$ 136,640	$ 1,000	$ 1,500
4221	Engineering Fees	$ 17,500	$ -	$ -
4230	Publishing	$ 6,200	$ -	$ -
4240	Rentals & Contracts	$ 232,725	$ -	$ 1,500
4251	Vehicle Repair	$ 22,500	$ 3,000	$ -
4252	Building Repair	$ 7,300	$ -	$ -
4253	Equipment/Tool Repair	$ 54,300	$ 22,000	$ 2,000
4254	Street/Walk Repair	$ 70,000	$ -	$ -
4255	Sewer/Water Repair	$ 20,500	$ -	$ -
4256	Fence/Tool Repair	$ 300	$ -	$ 300
4260	Computers/Service	$ 22,000	$ -	$ -
4261	Office Supplies	$ 14,650	$ -	$ -
4262	Gas, Oil & Diesel	$ 102,000	$ 43,000	$ -
4263	Clothing & Food	$ 4,550	$ -	$ -
4264	Janitorial Supplies	$ 12,200	$ -	$ -
4265	Minor Tools/Machinery	$ 10,500	$ -	$ -
4266	Agricultural Supplies	$ 2,250	$ -	$ 1,000
4267	Propane	$ 7,000	$ -	$ -
4268	Chemicals	$ 23,000	$ 23,000	$ -
4269	Signs	$ 20,500	$ -	$ -
4270	Travel/Training	$ 9,350	$ -	$ -
4281	Telephone	$ 13,300	$ -	$ -
4282	Electricity	$ 99,200	$ -	$ 500
4283	Natural Gas	$ 19,500	$ -	$ -
4284	Sewer	$ 1,505	$ -	$ -
4285	Water	$ 355,000	$ -	$ -
4286	Books/Subscriptions	$ 15,000	$ -	$ -
4310	Land Capital Outlay	$ -	$ -	$ -
4320	Buildings & Structures	$ 62,500	$ -	$ -
4330	Improvements other than Bldgs	$ 1,065,000	$ -	$ -
4340	Machinery	$ -	$ -	$ -
4342	Books	$ 13,500	$ -	$ -
4350	Equipment	$ 26,000	$ 8,000	$ -
4370	Street Improvements	$ -	$ -	$ -
4380	Automobiles	$ 30,000	$ -	$ -
4410	Debt Principal	$ 144,140	$ -	$ -
4420	Debt Interest	$ 67,043	$ -	$ -
4530	Refunds	$ 200	$ -	$ -
4540	Grants to Other Entities	$ 143,201	$ -	$ -
4560	Subsidies	$ 60,000	$ -	$ -

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 441.1 Health Inspections	Dept 441.2 Animal Control
	Subtotals	$ 4,453,519	$ 89,912	$ 9,325
4110	Wages	$ 1,009,844	$ 46,866	
4120	OASI (Payroll Taxes)	$ 77,253	$ 3,585	
4130	SDRS-Retirement	$ 64,640	$ 2,812	
4140	Workman's Comp	$ 34,365	$ 183	
4150	Group Medical Insurance	$ 236,563	$ 12,216	
4151	Medical (Buy Down Only)	$ 26,000	$ 1,500	$ -
4210	Insurance & Bonds	$ 68,900	$ 2,000	$ -
4211	Property Damage	$ 10,500	$ -	$ -
4212	Dental	$ 14,400	$ 1,250	$ -
4220	Professional Fees & Services	$ 136,640	$ 7,000	$ 3,000
4221	Engineering Fees	$ 17,500	$ -	$ -
4230	Publishing	$ 6,200	$ -	$ -
4240	Rentals & Contracts	$ 232,725	$ -	$ -
4251	Vehicle Repair	$ 22,500	$ 1,000	$ -
4252	Building Repair	$ 7,300	$ -	$ 300
4253	Equipment/Tool Repair	$ 54,300	$ -	$ 300
4254	Street/Walk Repair	$ 70,000	$ -	$ -
4255	Sewer/Water Repair	$ 20,500	$ -	$ -
4256	Fence/Tool Repair	$ 300	$ -	$ -
4260	Computers/Service	$ 22,000	$ -	$ -
4261	Office Supplies	$ 14,650	$ -	$ 400
4262	Gas, Oil & Diesel	$ 102,000	$ 2,000	$ -
4263	Clothing & Food	$ 4,550	$ -	$ 500
4264	Janitorial Supplies	$ 12,200	$ -	$ 400
4265	Minor Tools/Machinery	$ 10,500	$ -	$ -
4266	Agricultural Supplies	$ 2,250	$ -	$ -
4267	Propane	$ 7,000	$ -	$ -
4268	Chemicals	$ 23,000	$ -	$ -
4269	Signs	$ 20,500	$ -	$ -
4270	Travel/Training	$ 9,350	$ 2,000	$ -
4281	Telephone	$ 13,300	$ -	$ 600
4282	Electricity	$ 99,200	$ -	$ 2,000
4283	Natural Gas	$ 19,500	$ -	$ 1,500
4284	Sewer	$ 1,505	$ -	$ 325
4285	Water	$ 355,000	$ -	$ -
4286	Books/Subscriptions	$ 15,000	$ -	$ -
4310	Land Capital Outlay	$ -	$ -	$ -
4320	Buildings & Structures	$ 62,500	$ 7,500	$ -
4330	Improvements other than Bldgs	$ 1,065,000	$ -	$ -
4340	Machinery	$ -	$ -	$ -
4342	Books	$ 13,500	$ -	$ -
4350	Equipment	$ 26,000	$ -	$ -
4370	Street Improvements	$ -	$ -	$ -
4380	Automobiles	$ 30,000	$ -	$ -
4410	Debt Principal	$ 144,140	$ -	$ -
4420	Debt Interest	$ 67,043	$ -	$ -
4530	Refunds	$ 200	$ -	$ -
4540	Grants to Other Entities	$ 143,201	$ -	$ -
4560	Subsidies	$ 60,000	$ -	$ -

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 451.0 Recreation	Dept 452.0 Parks
	Subtotals	$ 4,453,519	$ 32,500	$ 188,554
4110	Wages	$ 1,009,844		$ 38,891
4120	OASI (Payroll Taxes)	$ 77,253		$ 2,975
4130	SDRS-Retirement	$ 64,640		$ 2,333
4140	Workman's Comp	$ 34,365		$ 1,727
4150	Group Medical Insurance	$ 236,563		$ 6,078
4151	Medical (Buy Down Only)	$ 26,000		$ 1,500
4210	Insurance & Bonds	$ 68,900		$ 4,300
4211	Property Damage	$ 10,500		$ -
4212	Dental	$ 14,400		$ -
4220	Professional Fees & Services	$ 136,640	$ -	$ -
4221	Engineering Fees	$ 17,500		$ -
4230	Publishing	$ 6,200		$ -
4240	Rentals & Contracts	$ 232,725		$ -
4251	Vehicle Repair	$ 22,500		$ 2,000
4252	Building Repair	$ 7,300		$ 2,000
4253	Equipment/Tool Repair	$ 54,300		$ 2,500
4254	Street/Walk Repair	$ 70,000		$ -
4255	Sewer/Water Repair	$ 20,500		$ -
4256	Fence/Tool Repair	$ 300		$ -
4260	Computers/Service	$ 22,000		$ -
4261	Office Supplies	$ 14,650		$ -
4262	Gas, Oil & Diesel	$ 102,000		$ 2,000
4263	Clothing & Food	$ 4,550		$ 1,500
4264	Janitorial Supplies	$ 12,200		$ -
4265	Minor Tools/Machinery	$ 10,500		$ 1,000
4266	Agricultural Supplies	$ 2,250		$ 1,250
4267	Propane	$ 7,000		$ -
4268	Chemicals	$ 23,000		$ -
4269	Signs	$ 20,500		$ -
4270	Travel/Training	$ 9,350		$ -
4281	Telephone	$ 13,300		$ -
4282	Electricity	$ 99,200		$ 9,000
4283	Natural Gas	$ 19,500		$ 1,000
4284	Sewer	$ 1,505		$ -
4285	Water	$ 355,000		$ -
4286	Books/Subscriptions	$ 15,000		$ -
4310	Land Capital Outlay	$ -		$ -
4320	Buildings & Structures	$ 62,500		$ 55,000
4330	Improvements other than Bldgs	$ 1,065,000		$ 50,000
4340	Machinery	$ -		$ -
4342	Books	$ 13,500		$ -
4350	Equipment	$ 26,000		$ 3,500
4370	Street Improvements	$ -		$ -
4380	Automobiles	$ 30,000		$ -
4410	Debt Principal	$ 144,140		$ -
4420	Debt Interest	$ 67,043		$ -
4530	Refunds	$ 200		$ -
4540	Grants to Other Entities	$ 143,201	$ 32,500	$ -
4560	Subsidies	$ 60,000		$ -

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 457.0 Historic Preservation	Dept 470.0 Debt
	Subtotals	$ 4,453,519	$ 40,500	$ 65,339
4110	Wages	$ 1,009,844		
4120	OASI (Payroll Taxes)	$ 77,253		
4130	SDRS-Retirement	$ 64,640		
4140	Workman's Comp	$ 34,365		
4150	Group Medical Insurance	$ 236,563		
4151	Medical (Buy Down Only)	$ 26,000		
4210	Insurance & Bonds	$ 68,900		
4211	Property Damage	$ 10,500		
4212	Dental	$ 14,400		
4220	Professional Fees & Services	$ 136,640	$ 1,000	
4221	Engineering Fees	$ 17,500		
4230	Publishing	$ 6,200		
4240	Rentals & Contracts	$ 232,725		
4251	Vehicle Repair	$ 22,500		
4252	Building Repair	$ 7,300		
4253	Equipment/Tool Repair	$ 54,300		
4254	Street/Walk Repair	$ 70,000		
4255	Sewer/Water Repair	$ 20,500		
4256	Fence/Tool Repair	$ 300		
4260	Computers/Service	$ 22,000		
4261	Office Supplies	$ 14,650		
4262	Gas, Oil & Diesel	$ 102,000		
4263	Clothing & Food	$ 4,550		
4264	Janitorial Supplies	$ 12,200		
4265	Minor Tools/Machinery	$ 10,500		
4266	Agricultural Supplies	$ 2,250		
4267	Propane	$ 7,000		
4268	Chemicals	$ 23,000		
4269	Signs	$ 20,500	$ 500	
4270	Travel/Training	$ 9,350	$ 500	
4281	Telephone	$ 13,300		
4282	Electricity	$ 99,200		
4283	Natural Gas	$ 19,500		
4284	Sewer	$ 1,505		
4285	Water	$ 355,000		
4286	Books/Subscriptions	$ 15,000	$ 13,500	
4310	Land Capital Outlay	$ -		
4320	Buildings & Structures	$ 62,500		
4330	Improvements other than Bldgs	$ 1,065,000	$ 15,000	
4340	Machinery	$ -		
4342	Books	$ 13,500		
4350	Equipment	$ 26,000		
4370	Street Improvements	$ -		
4380	Automobiles	$ 30,000		
4410	Debt Principal	$ 144,140		$ 59,509
4420	Debt Interest	$ 67,043		$ 5,830
4530	Refunds	$ 200		
4540	Grants to Other Entities	$ 143,201		
4560	Subsidies	$ 60,000	$ 10,000	

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 602.0 Water	Dept 604.0 Sewer
	Subtotals	$ 4,453,519	$ 1,192,833	$ 680,144
4110	Wages	$ 1,009,844	$ 114,423	$ 40,865
4120	OASI (Payroll Taxes)	$ 77,253	$ 8,753	$ 3,126
4130	SDRS-Retirement	$ 64,640	$ 6,865	$ 2,452
4140	Workman's Comp	$ 34,365	$ 4,165	$ 1,487
4150	Group Medical Insurance	$ 236,563	$ 35,878	$ 12,216
4151	Medical (Buy Down Only)	$ 26,000	$ 3,000	$ 1,500
4210	Insurance & Bonds	$ 68,900	$ 4,750	$ 4,750
4211	Property Damage	$ 10,500	$ 2,000	$ -
4212	Dental	$ 14,400	$ 3,500	$ -
4220	Professional Fees & Services	$ 136,640	$ 8,000	$ 3,000
4221	Engineering Fees	$ 17,500	$ 3,500	$ 4,000
4230	Publishing	$ 6,200	$ -	$ -
4240	Rentals & Contracts	$ 232,725	$ 1,000	$ 2,000
4251	Vehicle Repair	$ 22,500	$ 5,000	$ -
4252	Building Repair	$ 7,300	$ -	$ -
4253	Equipment/Tool Repair	$ 54,300	$ 3,000	$ 1,000
4254	Street/Walk Repair	$ 70,000	$ -	$ -
4255	Sewer/Water Repair	$ 20,500	$ 16,500	$ 4,000
4256	Fence/Tool Repair	$ 300	$ -	$ -
4260	Computers/Service	$ 22,000	$ 4,000	$ -
4261	Office Supplies	$ 14,650	$ 7,500	$ -
4262	Gas, Oil & Diesel	$ 102,000	$ 7,000	$ -
4263	Clothing & Food	$ 4,550	$ 300	$ -
4264	Janitorial Supplies	$ 12,200	$ -	$ -
4265	Minor Tools/Machinery	$ 10,500	$ 2,000	$ -
4266	Agricultural Supplies	$ 2,250	$ -	$ -
4267	Propane	$ 7,000	$ -	$ -
4268	Chemicals	$ 23,000	$ -	$ -
4269	Signs	$ 20,500	$ -	$ -
4270	Travel/Training	$ 9,350	$ 1,000	$ -
4281	Telephone	$ 13,300	$ 700	$ -
4282	Electricity	$ 99,200	$ 8,000	$ 800
4283	Natural Gas	$ 19,500	$ -	$ -
4284	Sewer	$ 1,505	$ -	$ -
4285	Water	$ 355,000	$ 355,000	$ -
4286	Books/Subscriptions	$ 15,000	$ -	$ -
4310	Land Capital Outlay	$ -	$ -	$ -
4320	Buildings & Structures	$ 62,500	$ -	$ -
4330	Improvements other than Bldgs	$ 1,065,000	$ 500,000	$ 500,000
4340	Machinery	$ -	$ -	$ -
4342	Books	$ 13,500	$ -	$ -
4350	Equipment	$ 26,000	$ -	$ 10,000
4370	Street Improvements	$ -	$ -	$ -
4380	Automobiles	$ 30,000	$ 15,000	$ 15,000
4410	Debt Principal	$ 144,140	$ 40,363	$ 44,268
4420	Debt Interest	$ 67,043	$ 31,534	$ 29,679
4530	Refunds	$ 200	$ 100	$ -
4540	Grants to Other Entities	$ 143,201	$ -	$ -
4560	Subsidies	$ 60,000	$ -	$ -

2015 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 612.0 Solid Waste	Dept 455.0 Library
	Subtotals	$ 4,453,519	$ 210,000	$ 198,746
4110	Wages	$ 1,009,844		$ 102,374
4120	OASI (Payroll Taxes)	$ 77,253		$ 7,832
4130	SDRS-Retirement	$ 64,640		$ 6,142
4140	Workman's Comp	$ 34,365		$ 399
4150	Group Medical Insurance	$ 236,563		$ 36,649
4151	Medical (Buy Down Only)	$ 26,000		$ 3,000
4210	Insurance & Bonds	$ 68,900		$ 100
4211	Property Damage	$ 10,500		$ -
4212	Dental	$ 14,400		$ 1,000
4220	Professional Fees & Services	$ 136,640		$ 1,075
4221	Engineering Fees	$ 17,500		$ -
4230	Publishing	$ 6,200		$ 100
4240	Rentals & Contracts	$ 232,725	$ 210,000	$ 8,225
4251	Vehicle Repair	$ 22,500		$ -
4252	Building Repair	$ 7,300		$ -
4253	Equipment/Tool Repair	$ 54,300		$ -
4254	Street/Walk Repair	$ 70,000		$ -
4255	Sewer/Water Repair	$ 20,500		$ -
4256	Fence/Tool Repair	$ 300		$ -
4260	Computers/Service	$ 22,000		$ 3,000
4261	Office Supplies	$ 14,650		$ 1,750
4262	Gas, Oil & Diesel	$ 102,000		$ -
4263	Clothing & Food	$ 4,550		$ -
4264	Janitorial Supplies	$ 12,200		$ 1,300
4265	Minor Tools/Machinery	$ 10,500		$ -
4266	Agricultural Supplies	$ 2,250		$ -
4267	Propane	$ 7,000		$ -
4268	Chemicals	$ 23,000		$ -
4269	Signs	$ 20,500		$ -
4270	Travel/Training	$ 9,350		$ 1,500
4281	Telephone	$ 13,300		$ 2,000
4282	Electricity	$ 99,200		$ 3,900
4283	Natural Gas	$ 19,500		$ 3,000
4284	Sewer	$ 1,505		$ 400
4285	Water	$ 355,000		$ -
4286	Books/Subscriptions	$ 15,000		$ 1,500
4310	Land Capital Outlay	$ -		$ -
4320	Buildings & Structures	$ 62,500		$ -
4330	Improvements other than Bldgs	$ 1,065,000		$ -
4340	Machinery	$ -		$ -
4342	Books	$ 13,500		$ 13,500
4350	Equipment	$ 26,000		$ -
4370	Street Improvements	$ -		$ -
4380	Automobiles	$ 30,000		$ -
4410	Debt Principal	$ 144,140		$ -
4420	Debt Interest	$ 67,043		$ -
4530	Refunds	$ 200		$ -
4540	Grants to Other Entities	$ 143,201		$ -
4560	Subsidies	$ 60,000		$ -

2015 CITY OF LEAD BUDGET
GENERAL FUND SUMMARY

Fund	2013 Actuals	2014 Budget	2015 Budget	Difference
Mayor & Comm	$ 156,327	$ 169,736	$ 184,897	$ 15,161
Contingency	$ 21,333	$ 50,000	$ 50,000	$ -
Attorney	$ 11,409	$ 10,000	$ 10,000	$ -
Finance	$ 211,237	$ 229,358	$ 212,293	$ (17,065)
Buildings	$ 117,823	$ 132,832	$ 125,416	$ (7,416)
Engineer	$ 1,706	$ 10,000	$ 10,000	$ -
Police	$ 468,279	$ 476,367	$ 451,431	$ (24,936)
Streets	$ 409,715	$ 412,523	$ 434,231	$ 21,708
Snow	$ 254,921	$ 283,023	$ 234,116	$ (48,907)
Cemetery	$ 42,027	$ 36,851	$ 33,282	$ (3,569)
Health Regulations	$ 73,996	$ 85,803	$ 89,912	$ 4,109
Animal Control	$ 7,595	$ 9,475	$ 9,325	$ (150)
Recreation	$ 107,000	$ 98,325	$ 32,500	$ (65,825)
Parks	$ 113,606	$ 117,989	$ 188,554	$ 70,565
Historic Preservation	$ 15,194	$ 40,500	$ 40,500	$ -
Firewise	$ 92,621	$ 135,916	$ -	$ (135,916)
Debt	$ 103,405	$ 118,600	$ 65,339	$ (53,261)
Sub-Total	**$ 2,208,194**	**$ 2,417,298**	**$ 2,171,796**	**$ (245,502)**

2015 CITY OF LEAD BUDGET
DEBT/ENTERPRISE SUMMARY

Fund	2013 Actuals	2014 Budget	2015 Budget	Difference
Library	$ 163,148	$ 178,793	$ 198,746	$ 19,953
Water Distribution	$ 620,755	$ 646,354	$ 1,192,833	$ 546,479
Sewer	$ 126,166	$ 141,766	$ 680,144	$ 538,378
Solid Waste	$ 208,958	$ 210,000	$ 210,000	$ -
Sub-Total	**$ 1,119,027**	**$ 1,176,913**	**$ 2,281,723**	**$ 1,104,810**
TOTAL BUDGET	**$ 3,327,221**	**$ 3,594,211**	**$ 4,453,519**	**$ 859,308**

2015 CITY OF LEAD BUDGET
CITY-SUPPORTED ORGANIZATIONS SUMMARY(General Fund-Commission)

Fund	2014 Budget	2015 Request	Difference	2015 Budget
TC Senior Center	$ 1,710	$ -	$ (1,710)	$ -
Historic Opera House	$ 40,185	$ 50,000	$ 9,815	$ 42,500
Teen Court	$ 2,565	$ 2,565	$ -	$ 2,565
NeighborWorks	$ 2,250	$ 2,500	$ 250	$ 2,500
Dwd-Lead Arts Council	$ 4,275	$ 5,000	$ 725	$ 5,000
PH Transit	$ 7,268	$ 10,000	$ 2,732	$ 7,268
Twin City Clothing	$ 2,565	$ 2,730	$ 165	$ 2,730
BH Visions	$ 8,550	$ 10,000	$ 1,450	$ -
First Step Daycare	$ 2,138	$ 3,000	$ 862	$ 2,138
Good Shepherd Clinic	$ 855	$ 1,000	$ 145	$ 1,000
Helpline 211	$ -	$ 1,000	$ 1,000	$ -
NH Recreation	$ -	$ 20,000	$ 20,000	$ 20,000
NH CASA	$ -	$ 2,860	$ 2,860	$ -
TOTALS	**$ 72,361**	**$ 110,655**	**$ 38,294**	**$ 85,701**

CITY-SUPPORTED ORGANIZATIONS SUMMARY(General Fund-Recreation)

Armory Recreation	$ 98,325	$ 95,000	$ (3,325)	$ 32,500
			$ -	
TOTALS	**$ 98,325**	**$ 95,000**	**$ (3,325)**	**$ 32,500**

CITY-SUPPORTED ORGANIZATIONS SUMMARY (½ Bed & Booze Fund, ½ General)

Chamber of Commerce	$ 42,750	$ 50,000	$ 7,250	$ 50,000
4th of July	$ 5,130	$ 6,000	$ 870	$ 6,000
TOTALS	**$ 47,880**	**$ 56,000**	**$ 8,120**	**$ 56,000**

CITY PROFESSIONAL ORGANIZATIONS

Discretionary Spending	$ 3,000	$ 3,000	$ -	$ 3,000
Economic Development	$ 40,000	$ 25,000	$ (15,000)	$ 25,000
Black Hills Council	$ 1,565	$ 1,565	$ -	$ 1,565
SURF				$ 15,000
Municipal League	$ 2,500	$ 2,500	$ -	$ 2,500
TOTALS	**$ 47,065**	**$ 32,065**	**$ (15,000)**	**$ 47,065**
TOTALS	**$ 265,631**	**$ 293,720**	**$ 28,089**	**$ 141,701**

GENERAL FUND

Account Number		2013 Actual	2014 YTD (Jan-Jun)	2014 Annualized	2015 Budget	
	TOTALS	$ 2,143,249	$ 1,240,816	$ 2,300,941	$ 2,152,241	$ 2,152,241
310	TAXES					
31110	Current Year Property Taxes	$ 1,115,791	$ 621,421	$ 1,242,842	$ 1,162,091	
31120	Deliquent 1 Yr Taxes	$ 15,813	$ 14,716	$ 29,432	$ 21,000	
31130	Deliquent 2 Yr Taxes	$ 12,606	$ 7,108	$ 14,216	$ 13,000	
31140	Deliquent 3 Yr Taxes	$ 7,241	$ 5,214	$ 10,428	$ 7,500	
31150	Deliquent 4 Yr Taxes	$ 847	$ 2,493	$ 4,986	$ 2,000	
31160	All Prior Deliquent Taxes	$ 177	$ 385	$ 770	$ 500	
31170	Mobile Home Taxes	$ 2,217	$ 680	$ 1,360	$ 2,000	
31190	Other Taxes			$ -		
						$ 1,208,091
	SALES TAXES					
31300	1st Penny	$ 298,953	$ 155,046	$ 310,092	$ 305,000	
31300	2nd Penny	$ 298,953	$ 155,046	$ 310,092	$ 305,000	
31400	Gross Receipts			$ -		
31800	Tax Deed Sales			$ -		
31900	Penalty & Interest Taxes	$ 9,390	$ 6,489	$ 12,978	$ 11,500	
						$ 621,500
320	LICENSES/PERMITS					
32110	Liquor	$ 10,200	$ 125	$ 250	$ 10,000	
32120	Beer (Malt Beverage)	$ 1,988	$ 2,033	$ 2,033	$ 2,000	
32130	Transfers	$ 375	$ 300	$ 600	$ 500	
32140	City Park Permits	$ 5	$ 5	$ 10		
32210	Building Permits	$ 12,527	$ 4,438	$ 8,876	$ 9,000	
32220	Fire Permits			$ -		
32230	Sign Permits	$ 175	$ 100	$ 200	$ 150	
32240	Excavations	$ 50	$ 150	$ 300	$ 150	
32250	Demo Permits	$ 600	$ 350	$ 700	$ 150	
32260	Mechanical Permits			$ -		
32270	Driveway Permits			$ -		
32330	Mobile Home Parks		$ 54	$ 108		
32340	Pawnbroker			$ -		
32350	Peddling	$ 875	$ 35	$ 70	$ 500	
32370	Taxi/Bus	$ 500	$ 500	$ 1,000	$ 500	
32380	Video/Pinball	$ 684	$ 279	$ 558	$ 600	
32390	Others			$ -		
32410	General Contractors	$ 8,550	$ 4,554	$ 9,108	$ 9,000	
32420	Plumbing	$ 600	$ 400	$ 800	$ 800	
32430	Electrical	$ 500	$ 650	$ 1,300	$ 750	
32440	Garbage	$ 50		$ -	$ 50	
32450	Cemetery			$ -		
32610	Pet Licenses	$ 158	$ 103	$ 206	$ 150	
32710	Cable TV Franchise	$ 16,519	$ 10,595	$ 21,190	$ 21,000	
32910	Telephone Franchise	$ 3,352		$ -		
						$ 55,300

330	**INTERGOVERNMENTAL REVENUES**					
331	**Federal Grants**					
33111	Bridge Replacement Fund			$ -		
33120	FEMA		$ 42,675			
33130	Federal Energy Grant			$ -		
33140	BLM Federal (Firewise)	$ 41,000	$ 21,572	$ 43,144	$ -	
33300	Fed-In-Lieu Taxes			$ -		
334	**State Grants**					
33410	SD Equipment Grants	$ 1,767	$ 1,204	$ 2,408	$ 8,000	
33420	Historic Preservation			$ -		
33430	Humanities			$ -		
33440	CDBG			$ -		
33450	OJT			$ -		
33460	Urban Forestry			$ -		
335	**State Shared Revenue**					
33510	Bank Franchise	$ 14,851		$ -		
33530	Liquor Tax Reversion		$ 6,245	$ 12,490	$ 12,000	
33540	Motor Vehicles License 32-11-4.1	$ 25,997	$ 15,336	$ 30,672	$ 28,500	
33550	Gaming Revenue 42-7B-48	$ 79,005	$ 63,612	$ 63,612	$ 66,000	
33560	Fire Insurance Reversion			$ -		
33570	License Reversion	$ 19,487	$ 4,577	$ 9,154	$ 15,000	
33580	Local Govt Highway	$ 46,320		$ -	$ 40,000	
33600	State-In-Lieu Taxes			$ -		
338	**County Shared Revenue**					
33810	County Road			$ -		
33820	Highway and Bridge	$ 22,022	$ 40,949	$ 81,898	$ 40,000	
33830	County Wheel Tax			$ -		
33840	Public Library Funds			$ -		
339	**Other Revenue**			**$ -**		
33900	County-In-Lieu Taxes		$ 2,058	$ 4,116	$ 2,500	
						$ 212,000

	GOODS & SERVICES				
341	**General Government**				
34110	Zoning and Subdivision Fees	$ 1,000	$ 200	$ 400	$ 300
34120	Maps & Copies	$ 10		$ -	
34130	Publication Fees			$ -	
34140	Keys			$ -	
34150	Fax Fees			$ -	
34160	Historic Preservation Books	$ 22	$ 88	$ 176	$ 100
34190	Other Reimbursement	$ 4,258	$ 1,705	$ 3,410	$ 3,000
34199	Prairie Hills Tickets	$ 500	$ 748	$ 1,496	$ 1,000
342	**Public Safety**			**$ -**	
34210	Accident Reports	$ 44	$ 44	$ 88	$ 50
34220	Fire Protection Services			$ -	
34230	Parking Variance			$ -	
34240	Storage Fees/Abandoned Vehicles			$ -	
34250	Water Sales	$ 356	$ 148	$ 296	$ 300
34260	Reimbursement	$ 3,994	$ 2,450	$ 4,900	$ 3,000
34270	Public Safety Donation			$ -	
34280	Parking Variance	$ 225	$ 35	$ 70	$ 50
34290	Other/Wrecker Fees	$ 675		$ -	
343	**Highways & Streets**				
34310	Parking Fees			$ -	
34340	Reimbursement	$ 8,083	$ 1,259	$ 2,518	$ 2,000
34380	Hwy Safety Grant			$ -	
34390	Other		$ 50	$ 100	$ 50
344	**Sanitation**				
34410	Salvage/Cleanup Fees	$ 83	$ 3	$ 6	
34420	Rubble Site			$ -	
34430	Reimbursement/Deadwood			$ -	
34440	Vehicle Disposal			$ -	
34450	Weed Cutting/Snow Removal	$ 5,100	$ 5,664	$ 11,328	$ 7,500
34490	Other			$ -	
345	**Health**				
34510	Health Inspections			$ -	
34520	Animal Control Fee		$ 20	$ 40	
34530	Animal Control (Deadwood Share)	$ 2,785		$ -	$ 2,500
34590	Other			$ -	
346	**Culture-Recreation**				
34610	Park Utilities	$ 255	$ 100	$ 200	$ 200
34650	Donations	$ 6,690	$ 330	$ 660	$ 1,000
34660	Hink Memorial Donations			$ -	
34670	Parks Agreements-Visitor Ctr		$ 20	$ 40	$ 2,000
34690	Other-Beautification			$ -	
348	**Cemetery**				
34810	Sale of Lots	$ 3,625	$ 450	$ 900	$ 1,000
34820	Reimbursement/Sexton	$ 1,140	$ 540	$ 1,080	$ 1,000
34830	Headstone Deposit	$ 600		$ -	
34840	Historic Preservation Project	$ 5,928	$ 5,100	$ 10,200	$ 2,000
349	**Other**				
34910	Parking Leases	$ 7,867	$ 2,979	$ 5,958	$ 5,500
34920	Shuttle Passes			$ -	
34930	Other			$ -	
					$ 32,550

350	**FINES & FORFEITS**					
35100	Court Fines & Costs	$ 225		$ -		
35200	All City Fines	$ 370	$ 383	$ 766	$ 500	
35300	Parking Fines	$ 2,300	$ 1,354	$ 2,708	$ 2,300	
35500	Animal Control Fines	$ 695	$ 954	$ 1,908	$ 1,250	
35600	Bldg Permit Fines	$ 72	$ 153	$ 306	$ 50	
35900	Other		$ 5	$ 10		
						$ 4,100

360	**MISCELLANEOUS REVENUE**					
361	**Investment Earnings**					
36100	Interest-Investment Earnings	$ 68	$ 641	$ 1,282	$ 1,000	
362	**Rentals**					
36210	Armory			$ -		
36220	RR Property Lease			$ -		
36230	Library Bldg Garages	$ 220		$ -	$ 200	
36240	Lease City Shop			$ -		
36250	Fire Department Reimbursement			$ -		
36260	Mining Lease Survey 149			$ -		
363	**Special Assessments**					
36303	Special Asses. Principal-City			$ -		
36304	Special Asses. Interest/Penalty-City			$ -		
367	**Contributions & Donations-Private Sources**					
36700	Donations-Private			$ -		
36710	Medical Care Premium Contributions	$ 15,854	$ 7,745	$ 15,490	$ 16,000	
369	**Other**					
36930	Total Misc. Revenue			$ -		
						$ 17,200

390	**OTHER FINANCING SOURCES**					
39102	Long Term Debt Issued		$ 14,848			
39110	Transfer In			$ -		
39120	Lease Revenue Bonds			$ -		
39130	Sale of Municipal Property	$ 60	$ 1,303	$ 2,606	$ 1,500	
						$ 1,500

TRUST, ENTERPRISE & SPECIAL FUNDS

206	LIBRARY					
33840	Public Library Funds--County Shared Funds	$ 108,740	$ 108,740	$ 108,740	$ 108,740	
34190	Other-Reimbursement			$ -		
36100	Interest	$ 11		$ -		
36700	Donations-Private			$ -		
36710	Medical Care Premium Contributions	$ 2,249	$ 1,094	$ 2,188	$ 2,400	$ 2,400
						$ 111,140

211	BED & BOOZE					
31300	Sales Tax	$ 57,345	$ 26,354	$ 52,708	$ 50,000	
36100	Interest			$ -		
						$ 50,000

602	WATER					
33150	EPA-Federal Grant					
33470	State Drinking Water Grant			$ -		
33471	State Drinking Water Loan		$ 71,339		$ 500,000	
36100	Interest	$ 52		$ -		
36710	Medical Care Premium Contributions	$ 2,644	$ 1,411	$ 2,822	$ 2,900	
38110	Metered/Flat Rate Water Sales	$ 732,825	$ 359,037	$ 718,074	$ 740,000	
38130	Meter Sales & Supplies	$ 434	$ 2,998	$ 5,996	$ 2,500	
38140	Connect/Disconnect Fees	$ 2,441	$ 1,312	$ 2,624	$ 2,500	
38150	Tap Fees		$ 600	$ 1,200	$ 500	
38160	Inspections Fees			$ -		
38170	Penalty/Late Fees	$ 4,077	$ 2,539	$ 5,078	$ 4,500	
38190	Other			$ -		
						$ 1,252,900

604	SEWER					
33150	EPA-Federal Grant					
33480	State Clean Water Grant			$ -		
33481	State Clean Water Loan		$ 90,690	$ 181,380	$ 500,000	
36100	Interest	$ 24		$ -		
36710	Medical Care Premium Contributions	$ 527	$ 250	$ 500	$ 500	
38310	Sewer Charges	$ 186,194	$ 92,854	$ 185,708	$ 200,000	
38320	Sewer Tap Fees		$ 300	$ 600	$ 600	
38390	Other			$ -		
						$ 701,100

612	SOLID WASTE					
36100	Interest	$ 21		$ -		
38390	Other			$ -		
38810	Garbage Fee	$ 204,712	$ 96,005	$ 192,010	$ 210,000	
						$ 210,000

701	CEMETERY PERPETUAL CARE					
34730	Perpetual Care Fee	$ 2,875	$ 475	$ 950	$ 1,000	
36100	Interest	$ 556		$ -		
						$ 1,000

718	TIF TAX INCREMENT PLANNING					
36100	Interest			$ -		
34340	Reimbursement			$ -		
37800	Tax Increment			$ -		
						$ -

719	SALES TAX COLLECTION					
34391	City Sales Tax Collected	$ 738	$ 578	$ 1,156	$ 1,000	
						$ 1,000

771	FIREMENS PENSION					
33560	Fire Insurance Reversion			$ -		
36100	Interest	$ 1,131	$ 379	$ 758	$ 800	
36900	Other			$ -		
						$ 800

CITY OF LEAD
2015 BUDGET WORKSHEET

602 Water Distribution

Item #	Item	2013 Actual	2014 Budget	2014 YTD (Jan-Jun)	2014 Annualized	2015 Request	Description	Difference 2014-2015
	Subtotals	**$ 477,058**	**$ 485,511**	**$ 313,738**	**$ 623,161**	**$ 950,850**		**$ 327,689**
4151	Medical (Buy Down)					$ 3,000		$ 3,000
4210	Insurance & Bonds	$ 4,591	$ 5,100	$ 4,315	$ 4,315	$ 4,750	Property/liability insurance	$ 435
4211	Property Damage		$ 2,000		$ -	$ 2,000		$ 2,000
4212	Dental	$ 1,500	$ 2,000	$ 1,848	$ 3,696	$ 3,500		$ (196)
4220	Prof. Fees & Services	$ 11,265	$ 12,000	$ 3,705	$ 7,410	$ 8,000	Labs, deliveries, memberships	$ 590
4221	Engineering Fees	$ 1,616	$ 10,000	$ 1,937	$ 3,874	$ 3,500	NJS, BH Council, Etc	$ (374)
4230	Publishing	$ 108	$ 350		$ -			$ -
4240	Rentals & Contracts	$ 623	$ 250	$ 430	$ 860	$ 1,000		$ 140
4251	Vehicle Repair	$ 10,276	$ 5,000	$ 1,521	$ 3,042	$ 5,000		$ 1,958
4252	Building Repair				$ -			$ -
4253	Equipment Repair	$ 754	$ 3,000	$ 2,281	$ 4,562	$ 3,000		$ (1,562)
4254	Street/Walk Repair				$ -			$ -
4255	Sewer/Water Repair	$ 10,198	$ 20,000	$ 7,819	$ 15,638	$ 16,500	Routine repairs to infrastructure	$ 862
4256	Fence/Tool Repair				$ -			$ -
4260	Computers/Service	$ 2,877	$ 2,000	$ 2,448	$ 4,896	$ 4,000		$ (896)
4261	Office Supplies	$ 6,955	$ 8,000	$ 3,049	$ 6,098	$ 7,500	Postage, billing supplies	$ 1,402
4262	Gas, Oil & Diesel	$ 5,694	$ 5,000	$ 3,751	$ 7,502	$ 7,000		$ (502)
4263	Clothing & Food	$ 102	$ 250	$ 133	$ 266	$ 300		$ 34
4264	Janitorial Supplies				$ -			$ -
4265	Minor Tools	$ 2,206	$ 1,500	$ 928	$ 1,856	$ 2,000		$ 144
4266	Agricultural Supplies				$ -			$ -
4267	Propane				$ -			$ -
4268	Chemicals				$ -			$ -
4269	Signs				$ -			$ -
4270	Travel	$ 54	$ 1,000	$ 489	$ 978	$ 1,000	Water conferences, training	$ 22
4281	Telephone	$ 215	$ 500	$ 337	$ 674	$ 700		$ 26
4282	Electricity	$ 6,889	$ 15,000	$ 3,697	$ 7,394	$ 8,000	Pumps, water system, etc.	$ 606
4283	Natural Gas				$ -			$ -
4284	Sewer				$ -			$ -
4285	Water	$ 368,265	$ 350,000	$ 178,428	$ 356,856	$ 355,000	Purchase raw water	$ (1,856)
4290	Subscriptions				$ -			$ -
4310	Land Capital Outlay				$ -			$ -
4320	Buildings & Structures				$ -			$ -
4330	Improv. Other Than Bldgs.			$ 64,670	$ 129,340	$ 500,000		$ 370,660
4340	Machinery				$ -			$ -
4342	Books				$ -			$ -
4350	Equipment				$ -			$ -
4370	Street Improvements				$ -			$ -
4380	Automobiles				$ -	$ 15,000	1/2 new truck	$ 15,000
4410	SRF Principal	$ 23,325	$ 24,045	$ 17,965	$ 35,930		Drinking water loans	$ (35,930)
4420	SRF Interest	$ 19,236	$ 18,516	$ 13,956	$ 27,912		Drinking water loans	$ (27,912)
4530	Refunds	$ 309		$ 31	$ 62	$ 100	Overpayment of bills	$ 38
4540	Grants to Other Entities				$ -			$ -
4560	Subsidies				$ -			$ -

2016 CITY OF LEAD BUDGET
GENERAL FUND SUMMARY

Fund	2014 Actuals	2015 Budget	2016 Budget	Difference
Mayor & Comm	$ 149,895	$ 184,897	$ 166,854	$ (18,043)
Contingency	$ 25,500	$ 50,000	$ 50,000	$ -
Attorney	$ 3,140	$ 10,000	$ 10,000	$ -
Finance	$ 199,786	$ 212,293	$ 211,434	$ (859)
Buildings	$ 96,487	$ 125,416	$ 136,506	$ 11,090
Engineer	$ 1,401	$ 10,000	$ 10,000	$ -
Police	$ 464,627	$ 451,431	$ 483,255	$ 31,824
Streets	$ 453,486	$ 434,231	$ 472,847	$ 38,616
Snow	$ 218,391	$ 234,116	$ 265,932	$ 31,816
Cemetery	$ 46,110	$ 33,282	$ 31,657	$ (1,625)
Health Regulations	$ 88,887	$ 89,912	$ 93,018	$ 3,106
Animal Control	$ 8,071	$ 9,325	$ 9,480	$ 155
Recreation	$ 21,628	$ 32,500	$ 60,000	$ 27,500
Parks	$ 116,152	$ 188,554	$ 263,783	$ 75,229
Historic Preservation	$ 28,315	$ 40,500	$ 8,500	$ (32,000)
Firewise	$ 95,775	$ -	$ -	$ -
Debt	$ 86,500	$ 65,339	$ 119,649	$ 54,310
Sub-Total	**$ 2,104,151**	**$ 2,171,796**	**$ 2,392,914**	**$ 221,118**

2016 CITY OF LEAD BUDGET
DEBT/ENTERPRISE SUMMARY

Fund	2014 Actuals	2015 Budget	2016 Budget	Difference
Library	$ 149,349	$ 198,746	$ 188,916	$ (9,830)
Water Distribution	$ 1,053,851	$ 1,192,833	$ 1,272,885	$ 80,052
Sewer	$ 481,848	$ 680,144	$ 289,322	$ (390,822)
Solid Waste	$ 201,012	$ 210,000	$ 210,000	$ -
Sub-Total	**$ 1,886,060**	**$ 2,281,723**	**$ 1,961,123**	**$ (320,600)**
TOTAL BUDGET	**$ 3,990,211**	**$ 4,453,519**	**$ 4,354,038**	**$ (99,481)**

2016 CITY OF LEAD BUDGET
CITY-SUPPORTED ORGANIZATIONS SUMMARY(General Fund-Commission)

Fund	2015 Budget	2016 Request	Difference	2016 Budget
TC Senior Center	$ -		$ -	
Historic Opera House	$ 42,500	$ 52,500	$ 10,000	$ 42,500
Teen Court	$ 2,565	$ 2,565	$ -	$ 2,500
NeighborWorks	$ 2,500	$ 2,500	$ -	$ 2,500
Dwd-Lead Arts Council	$ 5,000	$ 5,000	$ -	$ 5,000
PH Transit	$ 7,268	$ 10,000	$ 2,732	$ 7,000
Twin City Clothing	$ 2,730	$ 3,500	$ 770	$ 2,500
BH Visions	$ -	$ 7,500	$ 7,500	$ 5,000
First Step Daycare	$ 2,138	$ 5,000	$ 2,862	$ 2,138
Good Shepherd Clinic	$ 1,000	$ 1,000	$ -	$ 1,000
Helpline 211	$ -	$ 1,000	$ 1,000	$ -
NH Recreation	$ 20,000	$ 20,000	$ -	$ 10,000
NH CASA	$ -	$ 1,000	$ 1,000	$ -
Lord's Cupboard	$ -	$ 2,500	$ 2,500	$ 2,000
TOTALS	**$ 85,701**	**$ 114,065**	**$ 28,364**	**$ 82,138**
CITY-SUPPORTED ORGANIZATIONS SUMMARY(General Fund-Recreation)				
Boys & Girls Club	$ -		$ -	
Handley Ctr	$ 32,500	$ 70,000	$ 37,500	$ 60,000
TOTALS	**$ 32,500**	**$ 70,000**	**$ 37,500**	**$ 60,000**
CITY-OWNED ORGANIZATION (Historic Preservation)				
Fassbender	$ 15,000	$ 20,000	$ 5,000	$ 5,000
CITY-SUPPORTED ORGANIZATIONS SUMMARY (½ Bed & Booze Fund, ½ General)				
Chamber of Commerce	$ 50,000	$ 50,000	$ -	$ 50,000
4th of July	$ 6,000	$ 6,000	$ -	$ 6,000
TOTALS	**$ 56,000**	**$ 56,000**	**$ -**	**$ 56,000**
Organization Totals	**$ 189,201**	**$ 260,065**	**$ 70,864**	**$ 203,138**

CITY PROFESSIONAL ORGANIZATIONS (Mayor & Comm)

Discretionary Spending	$ 3,000	$ 3,000	$ -	$ 3,000
Economic Development	$ 25,000	$ 25,000	$ -	$ 25,000
Black Hills Council	$ 1,565	$ 1,565	$ -	$ 1,565
Municipal League	$ 2,500	$ 2,500	$ -	$ 2,500
TOTALS	**$ 32,065**	**$ 32,065**	**$ -**	**$ 32,065**

2016 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 411.1 Mayor & Commission	Dept 411.5 Contingency
	Subtotals	$ 4,354,038	$ 166,854	$ 50,000
4110	Wages	$1,060,587	$ 24,670	
4120	OASI (Payroll Taxes)	$ 81,135	$ 1,887	
4130	SDRS-Retirement	$ 65,843		
4140	Workman's Comp	$ 36,129	$ 94	
4150	Group Medical Insurance	$ 258,319		
4151	Medical (Buy Down Only)	$ 22,000		
4210	Insurance & Bonds	$ 62,150		
4211	Property Damage	$ 5,000		
4212	Dental	$ 17,000		
4220	Professional Fees & Services	$ 115,440	$ 32,065	
4221	Engineering Fees	$ 14,000		
4230	Publishing	$ 4,400		
4240	Rentals & Contracts	$ 232,000		
4251	Vehicle Repair	$ 24,400		
4252	Building Repair	$ 10,800		
4253	Equipment/Tool Repair	$ 50,050		
4254	Street/Walk Repair	$ 70,000		
4255	Sewer/Water Repair	$ 25,500		
4256	Fence/Tool Repair	$ 1,000		
4260	Computers/Service	$ 26,000		
4261	Office Supplies	$ 15,350		
4262	Gas, Oil & Diesel	$ 90,750		
4263	Clothing & Food	$ 3,550		
4264	Janitorial Supplies	$ 8,400		
4265	Minor Tools/Machinery	$ 8,000		
4266	Agricultural Supplies	$ 3,000		
4267	Propane	$ 7,000		
4268	Chemicals	$ 21,000		
4269	Signs	$ 32,000		
4270	Travel/Training	$ 7,500	$ 1,000	
4281	Telephone	$ 7,950		
4282	Electricity	$ 134,900		
4283	Natural Gas	$ 17,500		
4284	Sewer	$ 1,460		
4285	Water	$ 350,000		
4286	Books/Subscriptions	$ 1,500		
4310	Land Capital Outlay	$ -		
4320	Buildings & Structures	$ 27,500		
4330	Improvements other than Bldgs	$ 805,000		
4340	Machinery	$ -		
4342	Books	$ 17,000		
4350	Equipment	$ 36,000		
4370	Street Improvements	$ -		
4380	Automobiles	$ 30,000		
4410	Debt Principal	$ 227,206		
4420	Debt Interest	$ 102,180		
4530	Refunds	$ 400		
4540	Grants to Other Entities	$ 167,138	$ 107,138	
4560	Subsidies	$ 50,000		$ 50,000

2016 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 414.1 Attorney	OK Dept 414.2 Finance
	Subtotals	$ 4,354,038	$ 10,000	$ 211,434
4110	Wages	$1,060,587		$ 102,417
4120	OASI (Payroll Taxes)	$ 81,135		$ 7,835
4130	SDRS-Retirement	$ 65,843		$ 6,145
4140	Workman's Comp	$ 36,129		$ 389
4150	Group Medical Insurance	$ 258,319		$ 24,347
4151	Medical (Buy Down Only)	$ 22,000		$ 2,000
4210	Insurance & Bonds	$ 62,150		$ 6,300
4211	Property Damage	$ 5,000		$ -
4212	Dental	$ 17,000		$ 2,000
4220	Professional Fees & Services	$ 115,440	$ 10,000	$ 20,000
4221	Engineering Fees	$ 14,000		$ -
4230	Publishing	$ 4,400		$ 4,000
4240	Rentals & Contracts	$ 232,000		$ 2,000
4251	Vehicle Repair	$ 24,400		$ 1,000
4252	Building Repair	$ 10,800		$ -
4253	Equipment/Tool Repair	$ 50,050		$ -
4254	Street/Walk Repair	$ 70,000		$ -
4255	Sewer/Water Repair	$ 25,500		$ -
4256	Fence/Tool Repair	$ 1,000		$ -
4260	Computers/Service	$ 26,000		$ 20,000
4261	Office Supplies	$ 15,350		$ 5,000
4262	Gas, Oil & Diesel	$ 90,750		$ 500
4263	Clothing & Food	$ 3,550		$ 500
4264	Janitorial Supplies	$ 8,400		$ 1,000
4265	Minor Tools/Machinery	$ 8,000		$ -
4266	Agricultural Supplies	$ 3,000		$ -
4267	Propane	$ 7,000		$ -
4268	Chemicals	$ 21,000		$ -
4269	Signs	$ 32,000		$ -
4270	Travel/Training	$ 7,500		$ 1,000
4281	Telephone	$ 7,950		$ 5,000
4282	Electricity	$ 134,900		$ -
4283	Natural Gas	$ 17,500		$ -
4284	Sewer	$ 1,460		$ -
4285	Water	$ 350,000		$ -
4286	Books/Subscriptions	$ 1,500		$ -
4310	Land Capital Outlay	$ -		$ -
4320	Buildings & Structures	$ 27,500		$ -
4330	Improvements other than Bldgs	$ 805,000		$ -
4340	Machinery	$ -		$ -
4342	Books	$ 17,000		$ -
4350	Equipment	$ 36,000		$ -
4370	Street Improvements	$ -		$ -
4380	Automobiles	$ 30,000		$ -
4410	Debt Principal	$ 227,206		$ -
4420	Debt Interest	$ 102,180		$ -
4530	Refunds	$ 400		$ -
4540	Grants to Other Entities	$ 167,138		$ -
4560	Subsidies	$ 50,000		$ -

2016 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	OK Dept 419.2 Government Bldgs	Dept 419.6 Engineer	OK Dept 421.0 Police Department	OK Dept 431.2 Street Department	OK Dept 431.5 Snow Removal
	Subtotals	$ 4,354,038	$ 136,506	$ 10,000	$ 483,255	$ 472,847	$ 265,932
4110	Wages	$1,060,587	$ 36,875		$ 302,893	$ 117,544	$ 117,544
4120	OASI (Payroll Taxes)	$ 81,135	$ 2,821		$ 23,171	$ 8,992	$ 8,992
4130	SDRS-Retirement	$ 65,843	$ 2,212		$ 24,231	$ 7,053	$ 7,053
4140	Workman's Comp	$ 36,129	$ 1,748		$ 10,026	$ 7,593	$ 7,593
4150	Group Medical Insurance	$ 258,319			$ 70,434	$ 57,435	
4151	Medical (Buy Down Only)	$ 22,000	$ 3,000		$ 4,000	$ 4,000	$ -
4210	Insurance & Bonds	$ 62,150	$ 18,000		$ 10,000	$ 11,100	$ 1,750
4211	Property Damage	$ 5,000	$ -		$ -	$ -	$ 3,000
4212	Dental	$ 17,000	$ 1,500		$ 4,500	$ 3,000	$ -
4220	Professional Fees & Services	$ 115,440	$ 7,500		$ 6,000	$ 1,500	$ 500
4221	Engineering Fees	$ 14,000	$ -	$ 10,000	$ -	$ -	$ -
4230	Publishing	$ 4,400	$ -		$ -	$ -	$ -
4240	Rentals & Contracts	$ 232,000	$ 6,000		$ -	$ 2,500	$ -
4251	Vehicle Repair	$ 24,400	$ -		$ 6,000	$ 4,000	$ 5,000
4252	Building Repair	$ 10,800	$ 7,500		$ -	$ -	$ -
4253	Equipment/Tool Repair	$ 50,050	$ 4,500		$ 2,000	$ 10,000	$ 20,000
4254	Street/Walk Repair	$ 70,000	$ -		$ -	$ 70,000	$ -
4255	Sewer/Water Repair	$ 25,500	$ -		$ -	$ -	$ -
4256	Fence/Tool Repair	$ 1,000	$ -		$ -	$ -	$ -
4260	Computers/Service	$ 26,000	$ -		$ -	$ -	$ -
4261	Office Supplies	$ 15,350	$ -		$ -	$ -	$ -
4262	Gas, Oil & Diesel	$ 90,750	$ -		$ 13,500	$ 32,500	$ 31,500
4263	Clothing & Food	$ 3,550	$ -		$ 1,500	$ 300	$ -
4264	Janitorial Supplies	$ 8,400	$ 4,200		$ -	$ 1,500	$ -
4265	Minor Tools/Machinery	$ 8,000	$ 1,000		$ 3,000	$ 1,000	$ -
4266	Agricultural Supplies	$ 3,000	$ -		$ -	$ -	$ -
4267	Propane	$ 7,000	$ -		$ -	$ 7,000	$ -
4268	Chemicals	$ 21,000	$ -		$ -	$ -	$ 21,000
4269	Signs	$ 32,000	$ -		$ -	$ 30,000	$ -
4270	Travel/Training	$ 7,500	$ -		$ 1,000	$ -	$ -
4281	Telephone	$ 7,950	$ -		$ -	$ -	$ -
4282	Electricity	$ 134,900	$ 13,000		$ -	$ 68,000	$ -
4283	Natural Gas	$ 17,500	$ 6,250		$ -	$ 6,000	$ -
4284	Sewer	$ 1,460	$ 400		$ -	$ 330	$ -
4285	Water	$ 350,000	$ -		$ -	$ -	$ -
4286	Books/Subscriptions	$ 1,500	$ -		$ -	$ -	$ -
4310	Land Capital Outlay	$ -	$ -		$ -	$ -	$ -
4320	Buildings & Structures	$ 27,500	$ 20,000		$ -	$ -	$ -
4330	Improvements other than Bldgs	$ 805,000	$ -		$ -	$ -	$ -
4340	Machinery	$ -	$ -		$ -	$ -	$ -
4342	Books	$ 17,000	$ -		$ -	$ -	$ -
4350	Equipment	$ 36,000	$ -		$ 1,000	$ 6,500	$ 27,000
4370	Street Improvements	$ -	$ -		$ -	$ -	$ -
4380	Automobiles	$ 30,000	$ -		$ -	$ 15,000	$ 15,000
4410	Debt Principal	$ 227,206	$ -		$ -	$ -	$ -
4420	Debt Interest	$ 102,180	$ -		$ -	$ -	$ -
4530	Refunds	$ 400	$ -		$ -	$ -	$ -
4540	Grants to Other Entities	$ 167,138	$ -		$ -	$ -	$ -
4560	Subsidies	$ 50,000	$ -		$ -	$ -	$ -

2016 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 437.0 Cemetery	Dept 441.1 Health Inspections	Dept 441.2 Animal Control	Dept 451.0 Recreation	Dept 452.0 Parks
	Subtotals	$ 4,354,038	$ 31,657	$ 93,018	$ 9,480	$ 60,000	$ 263,783
4110	Wages	$1,060,587	$ 22,207	$ 47,834			$ 39,148
4120	OASI (Payroll Taxes)	$ 81,135	$ 1,699	$ 3,659			$ 2,995
4130	SDRS-Retirement	$ 65,843	$ 598	$ 2,870			$ 1,614
4140	Workman's Comp	$ 36,129	$ 1,053	$ 182			$ 1,856
4150	Group Medical Insurance	$ 258,319	$ -	$ 12,973			$ 19,420
4151	Medical (Buy Down Only)	$ 22,000	$ -	$ 1,500	$ -		$ -
4210	Insurance & Bonds	$ 62,150	$ 800	$ 1,800	$ -		$ 3,750
4211	Property Damage	$ 5,000	$ -	$ -	$ -		$ -
4212	Dental	$ 17,000	$ -	$ 1,750	$ -		$ -
4220	Professional Fees & Services	$ 115,440	$ -	$ 2,000	$ 3,000		$ 20,000
4221	Engineering Fees	$ 14,000	$ -	$ -	$ -		$ -
4230	Publishing	$ 4,400	$ -	$ -	$ -		$ -
4240	Rentals & Contracts	$ 232,000	$ 2,500	$ 2,000	$ -		$ -
4251	Vehicle Repair	$ 24,400	$ -	$ 2,500	$ -		$ 1,500
4252	Building Repair	$ 10,800	$ -	$ -	$ 300		$ -
4253	Equipment/Tool Repair	$ 50,050	$ 1,000	$ -	$ 300		$ 3,250
4254	Street/Walk Repair	$ 70,000	$ -	$ -	$ -		$ -
4255	Sewer/Water Repair	$ 25,500	$ -	$ -	$ -		$ -
4256	Fence/Tool Repair	$ 1,000	$ -	$ -	$ -		$ 1,000
4260	Computers/Service	$ 26,000	$ -	$ -	$ -		$ -
4261	Office Supplies	$ 15,350	$ -	$ -	$ 600		$ -
4262	Gas, Oil & Diesel	$ 90,750	$ -	$ 1,750	$ -		$ 3,000
4263	Clothing & Food	$ 3,550	$ -	$ -	$ 250		$ 500
4264	Janitorial Supplies	$ 8,400	$ -	$ -	$ 400		$ -
4265	Minor Tools/Machinery	$ 8,000	$ 300	$ -	$ 200		$ 1,000
4266	Agricultural Supplies	$ 3,000	$ 1,000	$ -	$ -		$ 2,000
4267	Propane	$ 7,000	$ -	$ -	$ -		$ -
4268	Chemicals	$ 21,000	$ -	$ -	$ -		$ -
4269	Signs	$ 32,000	$ -	$ -	$ -		$ -
4270	Travel/Training	$ 7,500	$ -	$ 1,500	$ -		$ -
4281	Telephone	$ 7,950	$ -	$ -	$ 600		$ -
4282	Electricity	$ 134,900	$ 500	$ -	$ 2,000		$ 11,000
4283	Natural Gas	$ 17,500	$ -	$ -	$ 1,500		$ 750
4284	Sewer	$ 1,460	$ -	$ -	$ 330		$ -
4285	Water	$ 350,000	$ -	$ -	$ -		$ -
4286	Books/Subscriptions	$ 1,500	$ -	$ -	$ -		$ -
4310	Land Capital Outlay	$ -	$ -	$ -	$ -		$ -
4320	Buildings & Structures	$ 27,500	$ -	$ 7,500	$ -		$ -
4330	Improvements other than Bldgs	$ 805,000	$ -	$ -	$ -		$ 150,000
4340	Machinery	$ -	$ -	$ -	$ -		$ -
4342	Books	$ 17,000	$ -	$ 3,000	$ -		$ -
4350	Equipment	$ 36,000	$ -	$ -	$ -		$ 1,000
4370	Street Improvements	$ -	$ -	$ -	$ -		$ -
4380	Automobiles	$ 30,000	$ -	$ -	$ -		$ -
4410	Debt Principal	$ 227,206	$ -	$ -	$ -		$ -
4420	Debt Interest	$ 102,180	$ -	$ -	$ -		$ -
4530	Refunds	$ 400	$ -	$ 200	$ -		$ -
4540	Grants to Other Entities	$ 167,138	$ -	$ -	$ -	$ 60,000	$ -
4560	Subsidies	$ 50,000	$ -	$ -	$ -		$ -

2016 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 457.0 Historic Preservation	Dept 470.0 Debt	Dept 602.0 Water	Dept 604.0 Sewer	Dept 612.0 Solid Waste
	Subtotals	$ 4,354,038	$ 8,500	$ 119,649	$ 1,272,885	$ 289,322	$ 210,000
4110	Wages	$1,060,587			$ 100,452	$ 45,720	
4120	OASI (Payroll Taxes)	$ 81,135			$ 7,685	$ 3,498	
4130	SDRS-Retirement	$ 65,843			$ 6,027	$ 2,743	
4140	Workman's Comp	$ 36,129			$ 3,576	$ 1,628	
4150	Group Medical Insurance	$ 258,319			$ 34,870	$ 12,973	
4151	Medical (Buy Down Only)	$ 22,000			$ 3,000	$ 1,500	
4210	Insurance & Bonds	$ 62,150			$ 4,250	$ 4,300	
4211	Property Damage	$ 5,000			$ 2,000	$ -	
4212	Dental	$ 17,000			$ 3,250	$ -	
4220	Professional Fees & Services	$ 115,440	$ 1,000		$ 8,500	$ 2,300	
4221	Engineering Fees	$ 14,000			$ 2,500	$ 1,500	
4230	Publishing	$ 4,400			$ 300	$ -	
4240	Rentals & Contracts	$ 232,000			$ -	$ 2,000	$ 210,000
4251	Vehicle Repair	$ 24,400			$ 4,000	$ 400	
4252	Building Repair	$ 10,800			$ -	$ -	
4253	Equipment/Tool Repair	$ 50,050			$ 9,000	$ -	
4254	Street/Walk Repair	$ 70,000			$ -	$ -	
4255	Sewer/Water Repair	$ 25,500			$ 20,000	$ 5,500	
4256	Fence/Tool Repair	$ 1,000			$ -	$ -	
4260	Computers/Service	$ 26,000			$ 3,000	$ -	
4261	Office Supplies	$ 15,350			$ 8,000	$ -	
4262	Gas, Oil & Diesel	$ 90,750			$ 8,000	$ -	
4263	Clothing & Food	$ 3,550			$ 500	$ -	
4264	Janitorial Supplies	$ 8,400			$ -	$ -	
4265	Minor Tools/Machinery	$ 8,000			$ 1,500	$ -	
4266	Agricultural Supplies	$ 3,000			$ -	$ -	
4267	Propane	$ 7,000			$ -	$ -	
4268	Chemicals	$ 21,000			$ -	$ -	
4269	Signs	$ 32,000	$ 2,000		$ -	$ -	
4270	Travel/Training	$ 7,500	$ 500		$ 1,000	$ -	
4281	Telephone	$ 7,950			$ 600	$ -	
4282	Electricity	$ 134,900			$ 35,000	$ 1,200	
4283	Natural Gas	$ 17,500			$ -	$ -	
4284	Sewer	$ 1,460			$ -	$ -	
4285	Water	$ 350,000			$ 350,000	$ -	
4286	Books/Subscriptions	$ 1,500			$ -	$ -	
4310	Land Capital Outlay	$ -			$ -	$ -	
4320	Buildings & Structures	$ 27,500			$ -	$ -	
4330	Improvements other than Bldgs	$ 805,000	$ 5,000		$ 550,000	$ 100,000	
4340	Machinery	$ -			$ -	$ -	
4342	Books	$ 17,000			$ -	$ -	
4350	Equipment	$ 36,000			$ -	$ -	
4370	Street improvements	$ -			$ -	$ -	
4380	Automobiles	$ 30,000			$ -	$ -	
4410	Debt Principal	$ 227,206		$ 104,234	$ 60,498	$ 62,474	
4420	Debt Interest	$ 102,180		$ 15,415	$ 45,178	$ 41,587	
4530	Refunds	$ 400			$ 200	$ -	
4540	Grants to Other Entities	$ 167,138			$ -	$ -	
4560	Subsidies	$ 50,000			$ -	$ -	

2016 CITY OF LEAD ITEMIZED BUDGET

Item #	Line Item	Totals	Dept 455.0 Library	Dept 423.0 Firewise
	Subtotals	$ 4,354,038	$ 188,916	$ -
4110	Wages	$1,060,587	$ 103,283	
4120	OASI (Payroll Taxes)	$ 81,135	$ 7,901	$ -
4130	SDRS-Retirement	$ 65,843	$ 5,296	
4140	Workman's Comp	$ 36,129	$ 392	$ -
4150	Group Medical Insurance	$ 258,319	$ 25,867	
4151	Medical (Buy Down Only)	$ 22,000	$ 3,000	$ -
4210	Insurance & Bonds	$ 62,150	$ 100	$ -
4211	Property Damage	$ 5,000	$ -	$ -
4212	Dental	$ 17,000	$ 1,000	$ -
4220	Professional Fees & Services	$ 115,440	$ 1,075	$ -
4221	Engineering Fees	$ 14,000	$ -	$ -
4230	Publishing	$ 4,400	$ 100	$ -
4240	Rentals & Contracts	$ 232,000	$ 5,000	$ -
4251	Vehicle Repair	$ 24,400	$ -	$ -
4252	Building Repair	$ 10,800	$ 3,000	$ -
4253	Equipment/Tool Repair	$ 50,050	$ -	$ -
4254	Street/Walk Repair	$ 70,000	$ -	$ -
4255	Sewer/Water Repair	$ 25,500	$ -	$ -
4256	Fence/Tool Repair	$ 1,000	$ -	$ -
4260	Computers/Service	$ 26,000	$ 3,000	$ -
4261	Office Supplies	$ 15,350	$ 1,750	$ -
4262	Gas, Oil & Diesel	$ 90,750	$ -	$ -
4263	Clothing & Food	$ 3,550	$ -	$ -
4264	Janitorial Supplies	$ 8,400	$ 1,300	$ -
4265	Minor Tools/Machinery	$ 8,000	$ -	$ -
4266	Agricultural Supplies	$ 3,000	$ -	$ -
4267	Propane	$ 7,000	$ -	$ -
4268	Chemicals	$ 21,000	$ -	$ -
4269	Signs	$ 32,000	$ -	$ -
4270	Travel/Training	$ 7,500	$ 1,500	$ -
4281	Telephone	$ 7,950	$ 1,750	$ -
4282	Electricity	$ 134,900	$ 4,200	$ -
4283	Natural Gas	$ 17,500	$ 3,000	$ -
4284	Sewer	$ 1,460	$ 400	$ -
4285	Water	$ 350,000	$ -	$ -
4286	Books/Subscriptions	$ 1,500	$ 1,500	$ -
4310	Land Capital Outlay	$ -	$ -	$ -
4320	Buildings & Structures	$ 27,500	$ -	$ -
4330	Improvements other than Bldgs	$ 805,000	$ -	$ -
4340	Machinery	$ -	$ -	$ -
4342	Books	$ 17,000	$ 14,000	$ -
4350	Equipment	$ 36,000	$ 500	$ -
4370	Street Improvements	$ -	$ -	$ -
4380	Automobiles	$ 30,000	$ -	$ -
4410	Debt Principal	$ 227,206	$ -	$ -
4420	Debt Interest	$ 102,180	$ -	$ -
4530	Refunds	$ 400	$ -	$ -
4540	Grants to Other Entities	$ 167,138	$ -	$ -
4560	Subsidies	$ 50,000	$ -	$ -

GENERAL FUND

Account Number		2014 Actual	2015 YTD (Jan-Jun)	2015 Annualized	2016 Budget	
	TOTALS	$ 2,457,781	$ 1,205,011	$ 2,327,304	$ 2,192,134	$ 2,192,134
310	**TAXES**					
31110	Current Year Property Taxes	$ 1,137,601	$ 618,144	$ 1,236,288	$ 1,162,100	
31120	Deliquent 1 Yr Taxes	$ 18,256	$ 5,440	$ 10,880	$ 17,000	
31130	Deliquent 2 Yr Taxes	$ 10,515	$ 2,169	$ 4,338	$ 9,000	
31140	Deliquent 3 Yr Taxes	$ 7,520	$ 845	$ 1,690	$ 7,000	
31150	Deliquent 4 Yr Taxes	$ 3,119	$ 679	$ 1,358	$ 3,000	
31160	All Prior Deliquent Taxes	$ 806		$ -		
31170	Mobile Home Taxes	$ 1,133	$ 806	$ 1,612	$ 1,000	
31190	Other Taxes			$ -		
						$ 1,199,100
	SALES TAXES					
31300	1st Penny	$ 357,659	$ 159,176	$ 318,352	$ 331,000	
31300	2nd Penny	$ 357,659	$ 159,176	$ 318,352	$ 331,000	
31400	Gross Receipts			$ -		
31800	Tax Deed Sales			$ -		
31900	Penalty & Interest Taxes	$ 10,534	$ 2,547	$ 5,094	$ 9,000	
						$ 671,000
320	**LICENSES/PERMITS**					
32110	Liquor	$ 10,125	$ 2,213	$ 4,426	$ 10,000	
32120	Beer (Malt Beverage)	$ 2,483	$ 235	$ 235	$ 2,200	
32130	Transfers	$ 300		$ -		
32140	City Park Permits	$ 5	$ 100	$ 200		
32210	Building Permits	$ 23,770	$ 10,314	$ 20,628	$ 15,000	
32220	Fire Permits			$ -		
32230	Sign Permits	$ 150	$ 25	$ 50	$ 150	
32240	Excavations	$ 200		$ -		
32250	Demo Permits	$ 350		$ -	$ 300	
32260	Mechanical Permits			$ -		
32270	Driveway Permits			$ -		
32330	Mobile Home Parks	$ 54		$ -		
32340	Pawnbroker			$ -		
32350	Peddling	$ 70	$ 170	$ 340		
32370	Taxi/Bus	$ 500		$ -	$ 500	
32380	Video/Pinball	$ 396	$ 12	$ 24	$ 300	
32390	Others			$ -		
32410	General Contractors	$ 7,204	$ 4,350	$ 8,700	$ 7,000	
32420	Plumbing	$ 650	$ 150	$ 300	$ 600	
32430	Electrical	$ 700	$ 600	$ 1,200	$ 700	
32440	Garbage	$ 50		$ -	$ 50	
32450	Cemetery			$ -		
32610	Pet Licenses	$ 154	$ 94	$ 188	$ 125	
32710	Communication Franchise	$ 22,612	$ 10,756	$ 21,512	$ 22,000	
32910	Telephone Franchise			$ -		
						$ 58,925

330	**INTERGOVERNMENTAL REVENUES**					
331	**Federal Grants**					
33111	Bridge Replacement Fund			$ -		
33120	FEMA	$ 42,675	$ 2,132			
33130	Federal Energy Grant			$ -		
33140	BLM Federal (Firewise)	$ 112,972	$ 17,578	$ 17,578		
33300	Fed-In-Lieu Taxes			$ -		
334	**State Grants**					
33410	SD Equipment Grants	$ 19,770		$ -	$ 6,000	
33420	Historic Preservation			$ -	$ 2,000	
33430	Humanities			$ -		
33440	CDBG			$ -		
33450	OJT			$ -		
33460	Urban Forestry			$ -		
335	**State Shared Revenue**					
33510	Bank Franchise	$ 16,052	$ 18,657	$ 37,314	$ 15,500	
33530	Liquor Tax Reversion	$ 20,929	$ 9,507	$ 19,014	$ 20,000	
33540	Motor Vehicles License 32-11-4.1	$ 30,673	$ 16,141	$ 32,282	$ 30,000	
33550	Gaming Revenue 42-7B-48	$ 63,612	$ 60,641	$ 60,641	$ 65,000	
33560	Fire Insurance Reversion			$ -		
33570	License Reversion			$ -		
33580	Local Govt Highway		$ 44,170	$ 88,340	$ 75,000	
33600	State-In-Lieu Taxes			$ -		
338	**County Shared Revenue**					
33810	County Road			$ -		
33820	Highway and Bridge	$ 74,628		$ -		
33830	County Wheel Tax			$ -		
33840	Public Library Funds			$ -		
339	**Other Revenue**			**$ -**		
33900	County-In-Lieu Taxes			$ -		
						$ 213,500

	GOODS & SERVICES				
341	**General Government**				
34110	Zoning and Subdivision Fees	$ 900	$ 1,001	$ 2,002	$ 500
34120	Maps & Copies			$ -	
34130	Publication Fees			$ -	
34140	Keys			$ -	
34150	Fax Fees			$ -	
34160	Historic Preservation Books	$ 375	$ 22	$ 44	$ 300
34190	Other Reimbursement	$ 4,013	$ 28,764	$ 57,528	
34199	Prairie Hills Tickets	$ 1,118		$ -	
342	**Public Safety**			$ -	
34210	Accident Reports	$ 88	$ 36	$ 72	
34220	Fire Protection Services	$ 13,811		$ -	
34230	Parking Variance			$ -	
34240	Storage Fees/Abandoned Vehicles			$ -	
34250	Water Sales	$ 148		$ -	$ 150
34260	Reimbursement	$ 3,894	$ 147	$ 294	
34270	Public Safety Donation	$ 7,952		$ -	
34280	Parking Variance	$ 90	$ 30	$ 60	
34290	Other/Wrecker Fees			$ -	
343	**Highways & Streets**				
34310	Parking Fees			$ -	
34340	Reimbursement	$ 1,586	$ 2,180	$ 4,360	
34380	Hwy Safety Grant			$ -	
34390	Other	$ 62		$ -	
344	**Sanitation**				
34410	Salvage/Cleanup Fees			$ -	
34420	Rubble Site			$ -	
34430	Reimbursement/Deadwood			$ -	
34440	Vehicle Disposal			$ -	
34450	Weed Cutting/Snow Removal	$ 10,190	$ 6,818	$ 13,636	$ 10,000
34490	Other			$ -	
345	**Health**				
34510	Health Inspections			$ -	
34520	Animal Control Fee	$ 130		$ -	
34530	Animal Control (Deadwood Share)			$ -	$ 3,000
34590	Other			$ -	
346	**Culture-Recreation**				
34610	Park Utilities	$ 180	$ 60	$ 120	$ 150
34650	Donations	$ 5,530		$ -	
34660	Hink Memorial Donations			$ -	
34670	Parks Agreements-Visitor Ctr	$ 30	$ 130	$ 260	$ 1,250
34690	Other-Beautification		$ 170	$ 340	
348	**Cemetery**				
34810	Sale of Lots	$ 1,525	$ 700	$ 1,400	$ 1,500
34820	Reimbursement/Sexton	$ 1,140	$ 600	$ 1,200	$ 1,100
34830	Headstone Deposit	$ 75		$ -	$ 150
34840	Historic Preservation Project	$ 5,100		$ -	
349	**Other**				
34910	Parking Leases	$ 5,524	$ 3,276	$ 6,552	$ 5,500
34920	Shuttle Passes			$ -	
34930	Other			$ -	
					$ 23,600

350	**FINES & FORFEITS**					
35100	Court Fines & Costs			$ -		
35200	All City Fines	$ 403	$ 318	$ 636	$ 400	
35300	Parking Fines	$ 1,969	$ 1,390	$ 2,780	$ 2,000	
35500	Animal Control Fines	$ 1,244	$ 215	$ 430	$ 1,100	
35600	Bldg Permit Fines			$ -		
35900	Other	$ 5	$ 20	$ 40		
						$ 3,500

360	**MISCELLANEOUS REVENUE**					
361	**Investment Earnings**					
36100	Interest-Investment Earnings	$ 657	$ 553	$ 1,106	$ 750	
362	**Rentals**					
36210	Armory			$ -		
36220	RR Property Lease			$ -		
36230	Library Bldg Garages	$ 120		$ -	$ 120	
36240	Lease City Shop			$ -		
36250	Fire Department Reimbursement	$ 2,223		$ -	$ 2,000	
36260	Mining Lease Survey 149			$ -		
363	**Special Assessments**					
36303	Special Asses. Principal-City			$ -		
36304	Special Asses. Interest/Penalty-City			$ -		
367	**Contributions & Donations-Private Sources**					
36700	Donations-Private			$ -		
36710	Medical Care Premium Contributions	$ 15,662	$ 10,074	$ 20,148	$ 18,639	
369	**Other**					
36930	Total Misc. Revenue			$ -		
						$ 21,509

390	**OTHER FINANCING SOURCES**					
39102	Long Term Debt Issued	$ 14,848				
39110	Transfer In			$ -		
39120	Lease Revenue Bonds			$ -		
39130	Sale of Municipal Property	$ 1,303	$ 1,680	$ 3,360	$ 1,000	
39160	Cash Over	$ 3		$ -		
						$ 1,000

TRUST, ENTERPRISE & SPECIAL FUNDS

206	LIBRARY								
33840	Public Library Funds--County Shared Funds	$ 108,740	$ 108,740	$ 108,740	$ 108,740				
34190	Other-Reimbursement			$ -					
36100	Interest	$ 47		$ -	$ 40				
36700	Donations-Private			$ -					
36710	Medical Care Premium Contributions	$ 2,044	$ 1,415	$ 2,830	$ 1,962			$ 2,002	
								$ 110,742	

211	BED & BOOZE								
31300	Sales Tax	$ 65,363	$ 22,880	$ 45,760	$ 55,000				
36100	Interest	$ 93		$ -					
								$ 55,000	

602	WATER								
33150	EPA-Federal Grant								
33470	State Drinking Water Grant			$ -					
33471	State Drinking Water Loan	$ 367,264	$ 82,961		$ 300,000				Water Meters
33480	CDBG Water Grant				$ 250,000				Water Meters
36100	Interest	$ 251		$ -					
36710	Medical Care Premium Contributions	$ 2,628	$ 1,292	$ 2,584	$ 3,598				
38110	Metered/Flat Rate Water Sales	$ 729,202	$ 373,002	$ 746,004	$ 735,000				
38130	Meter Sales & Supplies	$ 3,390	$ 1,293	$ 2,586	$ 4,000				
38140	Connect/Disconnect Fees	$ 3,072	$ 1,580	$ 3,160	$ 2,500				
38150	Tap Fees	$ 600		$ -	$ 600				
38160	Inspections Fees			$ -					
38170	Penalty/Late Fees	$ 4,844	$ 6,085	$ 12,170	$ 4,000				
38190	Other			$ -					
39160	Cash Over	$ 53		$ -					
								$ 1,299,698	

604	SEWER								
33150	EPA-Federal Grant								
33480	State Clean Water Grant			$ -					
33481	State Clean Water Loan	$ 308,043	$ 97,798	$ 195,596	$ 100,000				Prospect St Storm
36100	Interest	$ 103		$ -					
36710	Medical Care Premium Contributions	$ 897	$ 667	$ 1,334	$ 1,308				
38310	Sewer Charges	$ 186,152	$ 101,926	$ 203,852	$ 185,000				
38320	Sewer Tap Fees	$ 300		$ -	$ 300				
38390	Other			$ -					
								$ 286,608	

612	SOLID WASTE								
36100	Interest	$ 25		$ -					
38390	Other			$ -					
38810	Garbage Fee	$ 192,424	$ 95,139	$ 190,278	$ 210,000				
								$ 210,000	

701	CEMETERY PERPETUAL CARE								
34730	Perpetual Care Fee	$ 1,200	$ 500	$ 1,000	$ 1,000				
36100	Interest	$ 84		$ -	$ 100				
								$ 1,100	

718	TIF TAX INCREMENT PLANNING					
36100	Interest			$ -		
34340	Reimbursement			$ -		
37800	Tax Increment			$ -		
						$ -

719	SALES TAX COLLECTION					
34391	City Sales Tax Collected	$ 953	$ 575	$ 1,150	$ 1,000	
						$ 1,000

771	FIREMENS PENSION					
33560	Fire Insurance Reversion			$ -		
36100	Interest	$ 763	$ 359	$ 718	$ 800	
36900	Other			$ -		
						$ 800

CITY OF LEAD
2016 BUDGET WORKSHEET

602 Water Distribution

Item #	Item	2014 Actual	2015 Budget	2015 YTD (Jan-Jun)	2015 Annualized	2016 Request	Description
	Subtotals	**$ 930,152**	**$ 1,019,747**	**$ 377,054**	**$ 749,931**	**$ 1,014,600**	
4151	Medical (Buy Down)					$ 3,000	
4210	Insurance & Bonds	$ 4,315	$ 4,750	$ 4,177	$ 4,177	$ 4,250	Property/liability insurance
4211	Property Damage		$ 2,000	$ 526	$ 1,052	$ 2,000	
4212	Dental	$ 2,444	$ 3,500	$ 1,423	$ 2,846	$ 3,250	
4220	Prof. Fees & Services	$ 8,579	$ 8,000	$ 3,688	$ 7,376	$ 8,500	Labs, deliveries, memberships
4221	Engineering Fees	$ 2,154	$ 3,500		$ -	$ 2,500	NJS, BH Council, Etc
4230	Publishing			$ 146	$ 292	$ 300	
4240	Rentals & Contracts	$ 468	$ 1,000	$ 14	$ 28		
4251	Vehicle Repair	$ 2,833	$ 5,000	$ 2,105	$ 4,210	$ 4,000	
4252	Building Repair				$ -		
4253	Equipment Repair	$ 8,640	$ 3,000	$ 4,529	$ 9,058	$ 9,000	
4254	Street/Walk Repair				$ -		
4255	Sewer/Water Repair	$ 14,819	$ 16,500	$ 52,179	$ 104,358	$ 20,000	Routine repairs to infrastructure
4256	Fence/Tool Repair				$ -		
4260	Computers/Service	$ 3,220	$ 4,000	$ 1,502	$ 3,004	$ 3,000	
4261	Office Supplies	$ 6,078	$ 7,500	$ 3,908	$ 7,816	$ 8,000	Postage, billing supplies
4262	Gas, Oil & Diesel	$ 7,638	$ 7,000	$ 2,867	$ 5,734	$ 8,000	
4263	Clothing & Food	$ 245	$ 300	$ 252	$ 504	$ 500	
4264	Janitorial Supplies				$ -		
4265	Minor Tools	$ 1,435	$ 2,000	$ 693	$ 1,386	$ 1,500	
4266	Agricultural Supplies				$ -		
4267	Propane				$ -		
4268	Chemicals				$ -		
4269	Signs			$ 108	$ 216		
4270	Travel	$ 570	$ 1,000		$ -	$ 1,000	Water conferences, training
4281	Telephone	$ 596	$ 700	$ 265	$ 530	$ 600	
4282	Electricity	$ 43,822	$ 8,000	$ 13,009	$ 26,018	$ 35,000	Pumps, water system, etc.
4283	Natural Gas				$ -		
4284	Sewer				$ -		
4285	Water	$ 369,586	$ 355,000	$ 162,368	$ 324,736	$ 350,000	Purchase raw water
4290	Subscriptions				$ -		
4310	Land Capital Outlay				$ -		
4320	Buildings & Structures				$ -		
4330	Improv. Other Than Bldgs.	$ 404,744	$ 500,000	$ 80,753	$ 161,506	$ 550,000	New Water Meters
4340	Machinery				$ -		
4342	Books				$ -		
4350	Equipment	$ 5,370			$ -		
4370	Street Improvements				$ -		
4380	Automobiles		$ 15,000	$ 21,172	$ 42,344		
4410	SRF Principal	$ 24,045	$ 40,363	$ 12,206	$ 24,412		Drinking water loans
4420	SRF Interest	$ 18,516	$ 31,534	$ 9,074	$ 18,148		Drinking water loans
4530	Refunds	$ 35	$ 100	$ 90	$ 180	$ 200	Overpayment of bills
4540	Grants to Other Entities				$ -		
4560	Subsidies				$ -		

DWSRF #2
→ DRINKING WATER BALTIMORE ST.

AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$192,549.00		10-01-2035					

References in the shaded area are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "****" has been omitted due to text length limitations.

Borrower: City of Lead– Drinking Water # 2
801 W Main St
Lead , SD 57754

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
AS TRUSTEE FOR SOUTH DAKOTA DEPARTMENT
OF ENVIRONMENT AND NATURAL RESOURCES
PIERRE, SD 57501

Disbursement Date:
Interest Rate: 3.250

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest Paid **	Principal Paid	Remaining Balance
1	01-01-2006	2,517.97	1,564.46	953.51	191,595.49
2	04-01-2006	2,517.97	1,556.71	961.26	190,634.23
3	07-01-2006	2,517.97	1,548.90	969.07	189,665.16
4	10-01-2006	2,517.97	1,541.03	976.94	188,688.22
2006 TOTALS:		**10,071.88**	6,211.10	3,860.78	
5	01-01-2007	2,517.97	1,533.09	984.88	187,703.34
6	04-01-2007	2,517.97	1,525.09	992.88	186,710.46
7	07-01-2007	2,517.97	1,517.03	1,000.94	185,709.52
8	10-01-2007	2,517.97	1,508.89	1,009.08	184,700.44
2007 TOTALS:		**10,071.88**	**6,084.10**	**3,987.78**	
9	01-01-2008	2,517.97	1,500.69	1,017.28	183,683.16
10	04-01-2008	2,517.97	1,492.42	1,025.55	182,657.61
11	07-01-2008	2,517.97	1,484.10	1,033.87	181,623.74
12	10-01-2008	2,517.97	1,475.69	1,042.28	180,581.46
2008 TOTALS:		**10,071.88**	**5,952.90**	**4,118.98**	
13	01-01-2009	2,517.97	1,467.22	1,050.75	179,530.71
14	04-01-2009	2,517.97	1,458.69	1,059.28	178,471.43
15	07-01-2009	2,517.97	1,450.08	1,067.89	177,403.54
16	10-01-2009	2,517.97	1,441.40	1,076.57	176,326.97
2009 TOTALS:		**10,071.88**	**5,817.39**	**4,254.49**	
17	01-01-2010	2,517.97	1,432.66	1,085.31	175,241.66
18	04-01-2010	2,517.97	1,423.84	1,094.13	174,147.53
19	07-01-2010	2,517.97	1,414.95	1,103.02	173,044.51
20	10-01-2010	2,517.97	1,405.98	1,111.99	171,932.52
2010 TOTALS:		**10,071.88**	**5,677.43**	**4,394.45**	
21	01-01-2011	2,517.97	1,396.96	1,121.01	170,811.51
22	04-01-2011	2,517.97	1,387.84	1,130.13	169,681.38
23	07-01-2011	2,517.97	1,378.66	1,139.31	168,542.07
24	10-01-2011	2,517.97	1,369.40	1,148.57	167,393.50
2011 TOTALS:		**10,071.88**	**5,532.86**	**4,539.02**	
25	01-01-2012	2,517.97	1,360.08	1,157.89	166,235.61
26	04-01-2012	2,517.97	1,350.66	1,167.31	165,068.30
27	07-01-2012	2,517.97	1,341.18	1,176.79	163,891.51
28	10-01-2012	2,517.97	1,331.62	1,186.35	162,705.16
2012 TOTALS:		**10,071.88**	**5,383.54**	**4,688.34**	
29	01-01-2013	2,517.97	1,321.98	1,195.99	161,509.17
30	04-01-2013	2,517.97	1,312.26	1,205.71	160,303.46
31	07-01-2013	2,517.97	1,302.47	1,215.50	159,087.96
32	10-01-2013	2,517.97	1,292.59	1,225.38	157,862.58
2013 TOTALS:		**10,071.88**	**5,229.30**	**4,842.58**	
33	01-01-2014	2,517.97	1,282.63	1,235.34	156,627.24
34	04-01-2014	2,517.97	1,272.60	1,245.37	155,381.87
35	07-01-2014	2,517.97	1,262.47	1,255.50	154,126.37
36	10-01-2014	2,517.97	1,252.28	1,265.69	152,860.68
2014 TOTALS:		**10,071.88**	**5,069.98**	**5,001.90**	
37	01-01-2015	2,517.97	1,241.99	1,275.98	151,584.70
38	04-01-2015	2,517.97	1,231.63	1,286.34	150,298.36
39	07-01-2015	2,517.97	1,221.17	1,296.80	149,001.56

** INTEREST PAID also includes Admin. Cost

AMORTIZATION SCHEDULE
(Continued)

DDW#2

40	10-01-2015	2,517.97	1,210.64	1,307.33	147,694.23
2015 TOTALS:		**10,071.88**	**4,905.43**	**5,166.45**	
41	01-01-2016	2,517.97	1,200.02	1,317.95	146,376.28
42	04-01-2016	2,517.97	1,189.30	1,328.67	145,047.61
43	07-01-2016	2,517.97	1,178.52	1,339.45	143,708.16
44	10-01-2016	2,517.97	1,167.62	1,350.35	142,357.81
2016 TOTALS:		**10,071.88**	**4,735.46**	**5,336.42**	
45	01-01-2017	2,517.97	1,156.66	1,361.31	140,996.50
46	04-01-2017	2,517.97	1,145.60	1,372.37	139,624.13
47	07-01-2017	2,517.97	1,134.44	1,383.53	138,240.60
48	10-01-2017	2,517.97	1,123.21	1,394.76	136,845.84
2017 TOTALS:		**10,071.88**	**4,559.91**	**5,511.97**	
49	01-01-2018	2,517.97	1,111.87	1,406.10	135,439.74
50	04-01-2018	2,517.97	1,100.45	1,417.52	134,022.22
51	07-01-2018	2,517.97	1,088.93	1,429.04	132,593.18
52	10-01-2018	2,517.97	1,077.32	1,440.65	131,152.53
2018 TOTALS:		**10,071.88**	**4,378.57**	**5,693.31**	
53	01-01-2019	2,517.97	1,065.81	1,452.36	129,700.17
54	04-01-2019	2,517.97	1,053.82	1,464.15	128,236.02
55	07-01-2019	2,517.97	1,041.92	1,476.05	126,759.97
56	10-01-2019	2,517.97	1,029.92	1,488.05	125,271.92
2019 TOTALS:		**10,071.88**	**4,191.27**	**5,880.61**	
57	01-01-2020	2,517.97	1,017.83	1,500.14	123,771.78
58	04-01-2020	2,517.97	1,005.65	1,512.32	122,259.46
59	07-01-2020	2,517.97	993.36	1,524.61	120,734.85
60	10-01-2020	2,517.97	980.97	1,537.00	119,197.85
2020 TOTALS:		**10,071.88**	**3,997.81**	**6,074.07**	
61	01-01-2021	2,517.97	968.48	1,549.49	117,648.36
62	04-01-2021	2,517.97	955.89	1,562.08	116,086.28
63	07-01-2021	2,517.97	943.21	1,574.76	114,511.52
64	10-01-2021	2,517.97	930.40	1,587.57	112,923.95
2021 TOTALS:		**10,071.88**	**3,797.98**	**6,273.90**	
65	01-01-2022	2,517.97	917.51	1,600.46	111,323.49
66	04-01-2022	2,517.97	904.50	1,613.47	109,710.02
67	07-01-2022	2,517.97	891.40	1,626.57	108,083.45
68	10-01-2022	2,517.97	878.17	1,639.80	106,443.65
2022 TOTALS:		**10,071.88**	**3,591.58**	**6,480.30**	
69	01-01-2023	2,517.97	864.86	1,653.11	104,790.54
70	04-01-2023	2,517.97	851.42	1,666.55	103,123.99
71	07-01-2023	2,517.97	837.88	1,680.09	101,443.90
72	10-01-2023	2,517.97	824.24	1,693.73	99,750.17
2023 TOTALS:		**10,071.88**	**3,378.40**	**6,693.48**	
73	01-01-2024	2,517.97	810.47	1,707.50	98,042.67
74	04-01-2024	2,517.97	796.59	1,721.38	96,321.29
75	07-01-2024	2,517.97	782.61	1,735.36	94,585.93
76	10-01-2024	2,517.97	768.51	1,749.46	92,836.47
2024 TOTALS:		**10,071.88**	**3,158.18**	**6,913.70**	
77	01-01-2025	2,517.97	754.30	1,763.67	91,072.80
78	04-01-2025	2,517.97	739.97	1,778.00	89,294.80
79	07-01-2025	2,517.97	725.52	1,792.45	87,502.35
80	10-01-2025	2,517.97	710.96	1,807.02	85,695.33
2025 TOTALS:		**10,071.88**	**2,930.74**	**7,141.14**	
81	01-01-2026	2,517.97	696.28	1,821.69	83,873.64
82	04-01-2026	2,517.97	681.47	1,836.50	82,037.14
83	07-01-2026	2,517.97	666.55	1,851.42	80,185.72
84	10-01-2026	2,517.97	651.51	1,866.46	78,319.26
2026 TOTALS:		**10,071.88**	**2,695.81**	**7,376.07**	
85	01-01-2027	2,517.97	636.35	1,881.62	76,437.64
86	04-01-2027	2,517.97	621.05	1,896.92	74,540.72

AMORTIZATION SCHEDULE
(Continued)

88	10-01-2027	2,517.97	590.10	1,927.87	70,700.53
2027 TOTALS:		**10,071.88**	**2,453.15**	**7,618.73**	
89	01-01-2028	2,517.97	574.44	1,943.53	68,757.00
90	04-01-2028	2,517.97	558.65	1,959.32	66,797.68
91	07-01-2028	2,517.97	542.73	1,975.24	64,822.44
92	10-01-2028	2,517.97	526.69	1,991.28	62,831.16
2028 TOTALS:		**10,071.88**	**2,202.51**	**7,869.37**	
93	01-01-2029	2,517.97	510.50	2,007.47	60,823.69
94	04-01-2029	2,517.97	494.19	2,023.78	58,799.91
95	07-01-2029	2,517.97	477.75	2,040.22	56,759.69
96	10-01-2029	2,517.97	461.17	2,056.80	54,702.89
2029 TOTALS:		**10,071.88**	**1,943.61**	**8,128.27**	
97	01-01-2030	2,517.97	444.47	2,073.50	52,629.39
98	04-01-2030	2,517.97	427.61	2,090.36	50,539.03
99	07-01-2030	2,517.97	410.63	2,107.34	48,431.69
100	10-01-2030	2,517.97	393.51	2,124.46	46,307.23
2030 TOTALS:		**10,071.88**	**1,676.22**	**8,395.66**	
101	01-01-2031	2,517.97	376.24	2,141.73	44,165.50
102	04-01-2031	2,517.97	358.85	2,159.12	42,006.38
103	07-01-2031	2,517.97	341.30	2,176.67	39,829.71
104	10-01-2031	2,517.97	323.62	2,194.35	37,635.36
2031 TOTALS:		**10,071.88**	**1,400.01**	**8,671.87**	
105	01-01-2032	2,517.97	305.78	2,212.19	35,423.17
106	04-01-2032	2,517.97	287.82	2,230.15	33,193.02
107	07-01-2032	2,517.97	269.69	2,248.28	30,944.74
108	10-01-2032	2,517.97	251.43	2,266.54	28,678.20
2032 TOTALS:		**10,071.88**	**1,114.72**	**8,957.16**	
109	01-01-2033	2,517.97	233.01	2,284.96	26,393.24
110	04-01-2033	2,517.97	214.44	2,303.53	24,089.71
111	07-01-2033	2,517.97	195.73	2,322.24	21,767.47
112	10-01-2033	2,517.97	176.86	2,341.11	19,426.36
2033 TOTALS:		**10,071.88**	**820.04**	**9,251.84**	
113	01-01-2034	2,517.97	157.84	2,360.13	17,066.23
114	04-01-2034	2,517.97	138.66	2,379.31	14,686.92
115	07-01-2034	2,517.97	119.33	2,398.64	12,288.28
116	10-01-2034	2,517.97	99.85	2,418.12	9,870.16
2034 TOTALS:		**10,071.88**	**515.68**	**9,556.20**	
117	01-01-2035	2,517.97	80.19	2,437.78	7,432.38
118	04-01-2035	2,517.97	60.39	2,457.58	4,974.80
119	07-01-2035	2,517.97	40.42	2,477.55	2,497.25
120	10-01-2035	2,517.97	20.72	2,497.25	0.00
2035 TOTALS:		**10,071.88**	**201.72**	**9,870.16**	
TOTALS:		**302,156.40**	**109,607.40**	**192,549.00**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$482,826.18		01-01-2032					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: Lead - Drinking Water #3
Total Advances $784,987.00
Principal Forgiveness $298,295.00
Principal Payments $3,865.82

DW#3 Addition St.

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
/SD DENR
.
.
PIERRE, SD

Disbursement Date:
Interest Rate: 3.000

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest Paid **	Principal Paid	Remaining Balance
1	07-01-2012	8,122.32	3,621.19	4,501.13	478,325.05
2	10-01-2012	8,122.32	3,587.44	4,534.88	473,790.17
2012 TOTALS:		**16,244.64**	**7,208.63**	**9,036.01**	
3	01-01-2013	8,122.32	3,553.43	4,568.89	469,221.28
4	04-01-2013	8,122.32	3,519.16	4,603.16	464,618.12
5	07-01-2013	8,122.32	3,484.63	4,637.69	459,980.43
6	10-01-2013	8,122.32	3,449.85	4,672.47	455,307.96
2013 TOTALS:		**32,489.28**	**14,007.07**	**18,482.21**	
7	01-01-2014	8,122.32	3,414.81	4,707.51	450,600.45
8	04-01-2014	8,122.32	3,379.51	4,742.81	445,857.64
9	07-01-2014	8,122.32	3,343.93	4,778.39	441,079.25
10	10-01-2014	8,122.32	3,308.09	4,814.23	436,265.02
2014 TOTALS:		**32,489.28**	**13,446.34**	**19,042.94**	
11	01-01-2015	8,122.32	3,271.99	4,850.33	431,414.69
12	04-01-2015	8,122.32	3,235.61	4,886.71	426,527.98
13	07-01-2015	8,122.32	3,198.96	4,923.36	421,604.62
14	10-01-2015	8,122.32	3,162.04	4,960.28	416,644.34
2015 TOTALS:		**32,489.28**	**12,868.60**	**19,620.68**	
15	01-01-2016	8,122.32	3,124.83	4,997.49	411,646.85
16	04-01-2016	8,122.32	3,087.35	5,034.97	406,611.88
17	07-01-2016	8,122.32	3,049.59	5,072.73	401,539.15
18	10-01-2016	8,122.32	3,011.54	5,110.78	396,428.37
2016 TOTALS:		**32,489.28**	**12,273.31**	**20,215.97**	
19	01-01-2017	8,122.32	2,973.22	5,149.10	391,279.27
20	04-01-2017	8,122.32	2,934.59	5,187.73	386,091.54
21	07-01-2017	8,122.32	2,895.69	5,226.63	380,864.91
22	10-01-2017	8,122.32	2,856.48	5,265.84	375,599.07
2017 TOTALS:		**32,489.28**	**11,659.98**	**20,829.30**	
23	01-01-2018	8,122.32	2,817.00	5,305.32	370,293.75
24	04-01-2018	8,122.32	2,777.20	5,345.12	364,948.63
25	07-01-2018	8,122.32	2,737.11	5,385.21	359,563.42
26	10-01-2018	8,122.32	2,696.73	5,425.59	354,137.83
2018 TOTALS:		**32,489.28**	**11,028.04**	**21,461.24**	
27	01-01-2019	8,122.32	2,656.03	5,466.29	348,671.54
28	04-01-2019	8,122.32	2,615.04	5,507.28	343,164.26
29	07-01-2019	8,122.32	2,573.73	5,548.59	337,615.67
30	10-01-2019	8,122.32	2,532.12	5,590.20	332,025.47
2019 TOTALS:		**32,489.28**	**10,376.92**	**22,112.36**	
31	01-01-2020	8,122.32	2,490.19	5,632.13	326,393.34
32	04-01-2020	8,122.32	2,447.95	5,674.37	320,718.97
33	07-01-2020	8,122.32	2,405.39	5,716.93	315,002.04
34	10-01-2020	8,122.32	2,362.52	5,759.80	309,242.24
2020 TOTALS:		**32,489.28**	**9,706.05**	**22,783.23**	
35	01-01-2021	8,122.32	2,319.32	5,803.00	303,439.24
36	04-01-2021	8,122.32	2,275.79	5,846.53	297,592.71
37	07-01-2021	8,122.32	2,231.94	5,890.38	291,702.33
38	10-01-2021	8,122.32	2,187.77	5,934.55	285,767.78

** INTEREST PAID also includes Admin Surcharge amts

AMORTIZATION SCHEDULE
(Continued)

2021 TOTALS:		**32,489.28**	**9,014.82**	**23,474.46**	
39	01-01-2022	8,122.32	2,143.26	5,979.06	279,788.72
40	04-01-2022	8,122.32	2,098.42	6,023.90	273,764.82
41	07-01-2022	8,122.32	2,053.23	6,069.09	267,695.73
42	10-01-2022	8,122.32	2,007.72	6,114.60	261,581.13
2022 TOTALS:		**32,489.28**	**8,302.63**	**24,186.65**	
43	01-01-2023	8,122.32	1,961.86	6,160.46	255,420.67
44	04-01-2023	8,122.32	1,915.65	6,206.67	249,214.00
45	07-01-2023	8,122.32	1,869.11	6,253.21	242,960.79
46	10-01-2023	8,122.32	1,822.20	6,300.12	236,660.67
2023 TOTALS:		**32,489.28**	**7,568.82**	**24,920.46**	
47	01-01-2024	8,122.32	1,774.96	6,347.36	230,313.31
48	04-01-2024	8,122.32	1,727.35	6,394.97	223,918.34
49	07-01-2024	8,122.32	1,679.39	6,442.93	217,475.41
50	10-01-2024	8,122.32	1,631.06	6,491.26	210,984.15
2024 TOTALS:		**32,489.28**	**6,812.76**	**25,676.52**	
51	01-01-2025	8,122.32	1,582.38	6,539.94	204,444.21
52	04-01-2025	8,122.32	1,533.34	6,588.98	197,855.23
53	07-01-2025	8,122.32	1,483.91	6,638.41	191,216.82
54	10-01-2025	8,122.32	1,434.13	6,688.19	184,528.63
2025 TOTALS:		**32,489.28**	**6,033.76**	**26,455.52**	
55	01-01-2026	8,122.32	1,383.96	6,738.36	177,790.27
56	04-01-2026	8,122.32	1,333.43	6,788.89	171,001.38
57	07-01-2026	8,122.32	1,282.51	6,839.81	164,161.57
58	10-01-2026	8,122.32	1,231.21	6,891.11	157,270.46
2026 TOTALS:		**32,489.28**	**5,231.11**	**27,258.17**	
59	01-01-2027	8,122.32	1,179.53	6,942.79	150,327.67
60	04-01-2027	8,122.32	1,127.46	6,994.86	143,332.81
61	07-01-2027	8,122.32	1,074.99	7,047.33	136,285.48
62	10-01-2027	8,122.32	1,022.14	7,100.18	129,185.30
2027 TOTALS:		**32,489.28**	**4,404.12**	**28,085.16**	
63	01-01-2028	8,122.32	968.89	7,153.43	122,031.87
64	04-01-2028	8,122.32	915.24	7,207.08	114,824.79
65	07-01-2028	8,122.32	861.19	7,261.13	107,563.66
66	10-01-2028	8,122.32	806.72	7,315.60	100,248.06
2028 TOTALS:		**32,489.28**	**3,552.04**	**28,937.24**	
67	01-01-2029	8,122.32	751.87	7,370.45	92,877.61
68	04-01-2029	8,122.32	696.58	7,425.74	85,451.87
69	07-01-2029	8,122.32	640.89	7,481.43	77,970.44
70	10-01-2029	8,122.32	584.77	7,537.55	70,432.89
2029 TOTALS:		**32,489.28**	**2,674.11**	**29,815.17**	
71	01-01-2030	8,122.32	528.25	7,594.07	62,838.82
72	04-01-2030	8,122.32	471.29	7,651.03	55,187.79
73	07-01-2030	8,122.32	413.91	7,708.41	47,479.38
74	10-01-2030	8,122.32	356.10	7,766.22	39,713.16
2030 TOTALS:		**32,489.28**	**1,769.55**	**30,719.73**	
75	01-01-2031	8,122.32	297.85	7,824.47	31,888.69
76	04-01-2031	8,122.32	239.16	7,883.16	24,005.53
77	07-01-2031	8,122.32	180.04	7,942.28	16,063.25
78	10-01-2031	8,122.32	120.48	8,001.84	8,061.41
2031 TOTALS:		**32,489.28**	**837.53**	**31,651.75**	
79	01-01-2032	8,122.32	60.91	8,061.41	0.00
2032 TOTALS:		**8,122.32**	**60.91**	**8,061.41**	
TOTALS:		**641,663.28**	**158,837.10**	**482,826.18**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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USER NAME PASSWORD

LOG IN

Forgot Username? Forgot Password?

Create an Account

Entity Dashboard

- Entity Overview
  - Entity Record
    - Core Data
    - Assertions
    - Reps & Certs
      - POCs
    - Reports
  - Service Contract Report
  - BioPreferred Report
    - Exclusions
    - Active Exclusions
    - Inactive Exclusions
  - Excluded Family Members

RETURN TO SEARCH

Lead Fire Dept.
DUNS: 144270209 CAGE Code: 3RYD5
Status: Active

801 W. Main St.
Lead, SD, 57754-1533 ,
UNITED STATES

Expiration Date: 11/24/2016
Purpose of Registration: Federal Assistance Awards Only

Entity Overview

Entity Information

Name: Lead Fire Dept.
Business Type: US Local Government
POC Name: Mike Stahl
Registration Status: Active
Activation Date: 11/25/2015
Expiration Date: 11/24/2016

Exclusions

Active Exclusion Records? No

SAM | System for Award Management 1.0

IBM v1.P.40.20151201-1827
WWW1

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.

Project # L15-03-083

Facility Plan

For

Water Meter Replacement Project
City of Lead

July 2015

Prepared For
City of Lead
Lead, SD

I HEREBY CERTIFY that these report were prepared by me or under my direct supervision and that I am a duly Registered Engineer under the laws of the State of South Dakota.

REGISTERED PROFESSIONAL ENGINEER
REG NO.
7947
NICHOLAS E.
HOFFMAN
SOUTH DAKOTA

Date 7/21/15 Reg No. 7947

Prepared By:

INTERSTATE
ENGINEERING
PO Box 226
Spearfish, SD 57783-0226
Professionals you need, people you trust.

FACILITY PLAN FOR WATER METER REPLACEMENT PROJECT

CITY OF LEAD

7/24/2015

OVERVIEW

The City of Lead wishes to apply to the SD DENR for inclusion of their Water Meter Replacement Project onto the SD DENR State Water Plan for assistance with financing the project.

HISTORY

The City of Lead is located in Lawrence County in Western South Dakota. The City of Lead has a population of 3,124 based on the 2010 US Census. The City of Lead presently has 1400 water accounts.

Presently the City of Lead uses a water meter reading program that has city personnel walking around to each individual water account's meter to read them. It takes an average of 10 days for the City to collect the data. The existing meters are twenty years old. The meters are coming to the end of their life cycle. Meters that reach this age tend to start not accurately logging the water usage and start to have maintenance problems.

PROJECT

The City of Lead would like to go to an automatic metering reading system. This would provide the City with an automatic system that would require less man power to complete the meter reading for the month. The City would have the person presently completing the water meter readings, assist in other departments within the City with their extra time. The City does not plan on eliminating the position.

The System includes new water meters, transmitters, and touch pads at each water customer's residence or business. The system would also include a new hand held receiver, Vehicle Base Station, laptop, and software. The City would be able to have all the meters read within one day. The software allows to the meter reader to see what meters have been read and which ones were not. The meter reader could then manually drive to the residence to read the meter. The City's existing billing software could be utilized with the proposed system.

The City is proposing to purchase the following SENSUS Automatic Meter Reading System components (See Appendix A for data sheets on each of the units listed below):

- AR5501 Sensus Hand Held Receiver with Sensus Command Link Meter reading software - $5,625 The Sensus HandHeld Device (HHD) is designed to collect and store utility meter readings with built-in capability for expanded uses. The HHD interfaces to a personal computer through a communications/charging stand used for uploading preprogrammed meter reading route information.
- Sensus FlexNet Vehicle Gateway Base Station with AutoVU Mapping software – $17,400. The Vehicle Gateway Base Station (VGB) is a portable radio-based device used for the acquisition of data from utility meters and other field-based diagnostic instruments. The VGB is compact and portable, allowing it to be used in any vehicle providing 12-volt DC power. The VGB in metal case with folding handle: Length 18.5" x Width 11.25" x Height 4.5". Includes laptop computer, USB cables, magnetic mount antenna and hard shell carrying case.
- Sensus AutoVU Mapping software - $6000. AutoVu is a software program that works in conjunction with the Sensus AutoRead program (a software program designed to manage utility meter-reading data by interfacing with a utility's own billing software). It is designed for operating VXU and VGB vehicle systems.

- Sensus 510M Transmitter (one per meter) - $135/ea. The FlexNet SmartPoint M2 is a radio transceiver that provides water utilities inbound and outbound access to water measurement and ancillary device diagnostics via radio signal. The SmartPoint 510M is designed for non-submersible/non-pit installations. With its migratable, two-way communication ability, the M-Series SmartPoint functions as a walk-by/drive-by endpoint, fixed base endpoint, or combination of the two. This flexibility increases utility data collection capabilities and streamlines operations
- Meter Reading Touch Pad (one per meter) - $5.90/each. This is a remoting reading node that is installed on the exterior of the building that allows for reading of the meter from exterior of the building by touching the meter reader to the touchpad.
- Sensus IPERL 1000 ¾" Water meter - $121.80/ea. With no moving parts, the Sensus iPERL water management system is based on innovative electromagnetic flow measurement technology. The iPERL system family has an operating range as low as 0.03 gpm to 55 gpm. The iPERL system far exceeds the most recent revision of ANSI/AWWA Standard C-700 and C-710 for accuracy and pressure loss requirements. ***This meter will be used on interior meter setting.***
- Sensus SR2 ¾" no-lead brass meter w/ digital read ... $128.00 ea. These magnetic drive positive displacement meters use an oscillating piston to provide superior sensitivity in measuring a wide range of flows for a variety of residential applications or similar service needs. The SR II® meter design includes a high quality cast bronze maincase, dual inlet ports and streamlined flow pattern to provide lasting measurement accuracy and deliver years of dependable service. ***This meter will be used in meter pit settings.***
- Sensus annual support contract. $2286.00. The following is included with the support contract:
    - Unlimited and priority handling of telephone service support from the Technical Services Group.
    - Priority status for customers requiring hardware support and loaner meter reading equipment.
    - Yearly software updates: These will include updates for the AutoRead System software and, if applicable, AutoVu operating software.
    - Preferred pricing on software upgrades to higher level AMR software modules.
    - Additional training sessions. Customer can purchase additional training sessions if desired on the operation of the AutoRead system software. Please check with your local Sensus representative for session dates, details, and pricing.
    - Information pertaining to annual customer user conference.

COSTS

The total cost of the system is $396,430 based on 1400 users and the quote the City of Lead Received from the HD Supply. This cost per account is $285. For the estimating purposing we will use $300 per account. The installation cost is estimated to be $100/account. For 1400 accounts this would be $140,000 for installation. The total cost of the project would be ($300 + $100) x 1400 = $560,000. If the City would get a low interest low at 2.25% the yearly payment the City would have is $63,161.10. This would equate to $3.76/month per account.

The city would see a cost savings in the meter reading of $18,610 per year by having a City employee only having to spend 1 day on meter reading instead of 10. This is a savings of $1.10/month per account.

AutoRead® Handheld Device / Programmer

Standard Model - AR 5501
RadioRead™ Model - AR 5502

APPLICATION — METER READING:

The Sensus AutoRead® Hand-Held Device [HHD] is primarily designed to collect and store utility meter readings with built-in capability for expanded uses. The HHD interfaces to a personal computer [PC] through a communications/charging stand used for uploading pre-programmed meter reading route information. The computer must be equipped with Sensus AutoRead® System software.

The Model AR-5501 accepts meter reading data entered manually on a built-in keypad, or electronically, through TouchRead® System reading guns used for interrogating encoders. Reading gun options include cable-connected and RF (no cable required) styles.

The Model AR-5502 includes all features of the Model AR-5501, plus it can read Sensus RadioRead® Meter Transceiver Units [MXUs].

PROGRAMMING:

The AR5500 series HHDs are designed for collecting meter readings as well as programming RadioRead MXUs, FlexNet SmartPoints, and ICE registers.

CONSTRUCTION:

The HHD is housed in a weather-resistant, high impact, UV-stabilized plastic. Surface-mounted circuitry in the specially designed, watertight case allows the HHD to be used in rugged field conditions over a wide range of temperatures.

ERGONOMIC DESIGN:

The HHD's ergonomic-minded design offers a well-balanced, easy-to-handle unit. It includes a graphical liquid crystal display [LCD] for ease of viewing during operation. The contrast value of the LCD automatically adjusts based on the ambient temperature, but can also be easily field adjusted to compensate for use in varying lighting conditions. The HHD can be manually carried during operation, or function in the optional HHD carrier harness.

BACKLIGHTING:

A backlight feature provides illumination to the LCD for convenience in data entry and ease of reading data in areas with insufficient lighting.

SPECIFICATIONS

PRIMARY	Hand-held electronic meter reading collection and data storage device for manual, TouchRead System, and RadioRead meter reading.
OPTIONAL	Programmer for Sensus SmartPoints and ICE registers
PHYSICAL CHARACTERISTICS	Case material molded of high impact, UV-stabilized plastic. Orange color standard. Reading device/ programmer connection built in. Carrying harness included.
DIMENSIONS	10" [254 mm] (H) x 5.25" [133.35 mm] (W) at display and 3.1" [78.74 mm] (W) at its narrowest point x 2.75" [69.85 mm] deep and 1.5" [38.1 mm] at its shallowest
WEIGHT	29.5 oz (836 grams)
OPERATING SYSTEM	Microsoft Windows Mobile 6 Microprocessor: Intel XScale® processor, 624 MHz Operating Memory: 128 MB SDRAM Data Storage Memory: 1GB
KEYPAD	Alpha and numeric. Large keys can be operated while wearing gloves
DISPLAY	Backlit color LED screen. Will display meter reading information, route information from hand-held, and any additional system information.
POWER SUPPLY	Lithium Ion batteries, field replaceable battery packs maintain functionality of up to 1,500 touch type or RadioReads (AR5002 only) readings for at least 12 hours
OPERATING TEMPERATURE	-22° F to 130° F (-30° to 54° C)
HOUSING	Tested to withstand being dropped on any surface from a 4 foot height without damage. Tested to MIL-STD 810F and IP67 for waterproof, dustproof, and shockproof (drop) standards.
READING COMPATIBILITY	Able to read Sensus encoders, Sensus MultiRead Modules, Badger ADE and Neptune Proread (ARB VI).
COMMUNICATIONS/ CHARGING STAND	Holds one HHD per stand. Microprocessor controlled. Load/Unload speed: 115k Baud Communications Interface: Serial RS 232C Bluetooth® Class I approved Certifications: FCC Class B, CE, Rotts Compliant, EN60950

FLEXIBLE DATA ENTRY:

When used with a Sensus TouchRead AutoGun, the HHD automates the reading process. Reading data from Sensus and compatible absolute encoder equipped meters is obtained and stored in the HHD. Manual entries can also be made using the keypad, which features elastomeric, tactile response keys. Preprogrammed "high" and "low" range imits, calculated and passed from the utility billing software, can be sent to alert the user of possible reading errors. In addition, the Model AR 5502 provides expanded features for reading and programming Sensus RadioRead MXUs.

CORDLESS AUTOGUN:

Used in conjunction with the AutoRead HHD, the cordless AutoGun provides the ability to perform TouchRead readings without the need for cables from the AutoGun to the AutoRead HHD. Information is stored in the AutoRead HHD through a bi-directional, low-power RF link.

AUTOMATIC, ERROR-FREE DATA COLLECTION:

When used with a TouchRead AutoGun, the HHD collects and stores readings automatically from Sensus or compatible absolute encoders. Regardless of the route sequence programmed into memory, the HHD software identifies each meter encoder using the encoder's internal identification number. The software then searches the route program and automatically stores the meter reading in the correct customer account. When the utility's meter readers hear an audible alert tone from the HHD, it is alerting them to a special condition or hazard. They need only refer to instructions on the HHD screen on how to proceed. This process eliminates errors and increases meter reading speed.

AUDIBLE VERIFICATION/WARNING:

The audible tone confirms completed TouchRead and RadioRead System readings or alerts the user to faulty or out-of-limit readings. Tones can also be programmed with notes to alert the meter reader to hazardous situations or to respond to field survey questions.

COMMENTS/NOTES:

The HHD uses preprogrammed, utility-defined note codes, or free form notes [using the alpha and numeric keypad].

Meter readers can identify accounts requiring special attention, or they can note unusual conditions and account survey information.

REPLACEABLE BATTERY:

The rechargeable, self-contained Lithium Ion battery pack is field-replaceable to minimize downtime. The HHD is also equipped with a lithium battery backup to maintain date and time.

PRODUCTIVITY MONITORING:

The HHD's built-in clock can record the time and day of each meter reading. The software can note and store the type of reading made: manual, automatic, and/or multiple data entry. These reads provide an overview of time spent reading the route and special problems related to readings or equipment use.

SERVICE AND WARRANTY:

No service should be necessary if reasonable care is given during normal use. Sensus offers the Sensus Equipment Maintenance Program [SEMP] to extend the protection of HHDs and related equipment beyond the one [1] year warranty covering materials and workmanship. Warranty and service policy details are available from Sensus representatives and authorized AMR distributors.

TouchRead AutoGun or AutoGun PitProbe can be used with the HHD for electronic reading of meters equipped with TouchRead System encoders: AutoGun reading gun and PitProbe extension can be used without a connecting cord.

The Sensus 5500 Series HHD provides flexibility for utilities needing a reliable electronic hand-held meter reading and programming device. In addition to accepting meter readings via its keypad, the HHD also accepts readings from TouchRead® System and RadioRead® System equipped meters where those systems are used.

AUTHORIZED SENSUS DISTRIBUTOR

SENSUS

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www.sensus.com/water
h2oinfo@sensus.com

FlexNet

Vehicle Gateway Basestation VGB

APPLICATION

The Sensus FlexNet Vehicle Gateway Basestation (VGB) is a portable radio-based device used for the acquisition of data from utility meters and other field-based diagnostic instuments. The VGB is compact and portable, allowing it to be used in any vehicle providing 12-volt DC power. The operator simply places the unit in the vehicle cabin, loads the desired meter reading route into the laptop computer and drives along the prescribed route. Meter data is collected as the vehicle travels within proximity to the selected meters. The complete VGB package includes everything needed to read meters and ancillary (such as acoustic monitoring) devices that are equipped with FlexNet M2 or RadioRead+ SmartPoints.

OPERATION

The VGB sends an alert signal to the meter SmartPoint or ancilary device. Upon receipt of the alert, the SmartPoint responds by transmitting its most recent reading. Once received, the SmartPoint returns to a low-power listening mode. The operator has the option of directing the VGB to signal all endpoints within range (blind reading mode), or to select endpoints (geographic reading mode).

SYSTEM RELIABILITY

FlexNet and RadioRead+ utilize primary-use radio frequencies to communicate with SmartPoints. The combination of FCC-protected frequencies and shear transmission power of the SmartPoints ensure reliable communication from meters and ancillary devices. What's more, SmartPoint M2 and RadioRead+ SmartPoints provide infrastructure detail by monitoring their operating conditions and reporting meter tamper, continuous flow, leak detection (when equipped), high or low consumption and low battery alarms.

PORTABILITY

Through the use of advanced design, the radio electronics of the VGB are contained in a portable enclosure about the size of a small briefcase. With the addition of a laptop computer, connecting cables and antenna, the complete VGB package can be set up in any vehicle within minutes. The compact, portable VGB instantly turns almost any vehicle – even a compact car – into a meter reading machine.

SPECIFICATIONS

SERVICE	Radio-based mobile utility meter reading system
PHYSICAL CHARACTERISTICS	VGB in metal case with folding handle: Length: 14.5" x Width: 11.25" x Height: 5". Includes Laptop computer, USB cables, magnetic-mount antenna and hard shell carrying case.
WEIGHT	15.2 lbs. (6.8 kg)
POWER	12-volt DCDC adapter through VGB (with battery back-up; computer only)
COMMUNICATIONS	900-950 Mhz.
MEMORY	Non-Volatile
APPROVALS	Licensed Operation
US:	FCC CFR 47, Part 24D, Part 101C, Part 15
CANADA:	Industry Canada (IC) RSS-134, RSS-210

Vehicle Gateway Basestation (VGB)

USER FRIENDLY SOFTWARE

The VGB utilizes AutoVu, a software program especially designed for operating Sensus drive-by meter reading equipment. AutoVu features a convenient, user-friendly pull-down menu system for directing the meter reading process. Operators are also able to input information, such as route notes, manually via the PC's keyboard. The operator can also easily edit route data configurations when necessary. Back at the office, Sensus AutoRead processes the information gathered by AutoVu and provides the utility's billing software with a simple plug-and-play interface, no matter what Sensus reading system is utilized.

SENSUS SYSTEMS MAKE READING UTILITY METERS FAST, EASY AND RELIABLE

Our user-focused equipment and software provides utilities with tremendous meter reading efficiency, with fewer limitations compared to other types of radio-based meter reading systems. And because our software platforms operate with all of our reading packages, utilities can transition systems without downtime for operator training. Discover the power of Sensus, the measure of the future.

AUTHORIZED SENSUS DISTRIBUTOR

SENSUS

P.O. Box 487 | 450 North Gallatin Avenue
Uniontown, PA 15401 USA
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h2oinfo@sensus.com

ADS-10002-01

Data Sheet

Vehicle Gateway Basestation (VGB) Model 4600

Description

The Sensus FlexNet Vehicle Gateway Basestation (VGB) is a portable radio-based device used for the acquisition of data from utility meters and other field-based diagnostic instruments. The VGB is compact and portable, allowing it to be used in any vehicle providing 12-volt DC power. The operator simply places the unit in the vehicle cabin, loads the desired meter reading route into the laptop computer and drives along the prescribed route. Meter data is collected as the vehicle travels within proximity to the selected

Sensus' user-focused equipment and software provides utilities with tremendous meter reading efficiency, with fewer limitations compared to other types of radio-based meter reading systems. In addition, Sensus' software platforms operate with all of our reading packages, allowing utilities to transition systems without downtime for operator training.

Features

FLEXNET AND RADIOREAD COMPATIBILITY

The VGB Model 4600 provides the ability to read both Sensus RadioRead and FlexNet drive-by technologies. By combining these technologies, this solution allows the utility to maintain and utilize their existing RadioRead system and reading equipment while transitioning to FlexNet. Dual reading capability allows the utility to transition to the latest FlexNet technology and positions utilities to migrate to a fixed base platform in the future.[1]

PORTABILITY

Through the use of advanced design, the radio electronics of the VGB are contained in a portable enclosure about the size of a small briefcase. With the addition of a laptop computer, connecting cables and antenna, the complete VGB package can be set up in any vehicle within minutes. The portable VGB instantly turns almost any vehicle—even a compact car—into a meter reading machine.

SYSTEM RELIABILITY

FlexNet and RadioRead+ utilize primary-use radio frequencies to communicate with SmartPoint modules. The combination of FCC-protected frequencies and shear transmission power of the SmartPoint modules ensure reliable communication from meters and ancillary devices. In addition, SmartPoint M2 and RadioRead+ modules provide infrastructure detail by monitoring their operating conditions and reporting meter tamper, continuous flow, leak detection (when equipped), high or low consumption and low battery alarms.

OPERATION

The VGB sends an alert signal to the meter's SmartPoint module or ancillary device. Upon receipt of the alert, the SmartPoint module responds by transmitting its most recent reading. Once received, the SmartPoint module returns to a low-power listening mode. The operator has the option of directing the VGB to signal all endpoints within range (blind reading mode), or to select endpoints (geographic reading mode).

USER FRIENDLY SOFTWARE

The VGB utilizes AutoVu, a software program especially designed for operating Sensus drive-by meter reading equipment. AutoVu features a convenient, user-friendly pull-down menu system for directing the meter reading process. Operators are also able to input information, such as route notes, manually via the PC's keyboards. The operator can easily edit route data configurations when necessary. Back at the office, Sensus AutoRead processes the information gathered by AutoVu and provide the utility's billing software with a simple plug-and-play interface, no matter what Sensus reading system is utilized.

SENSUS

ADS-10002-01

Data Sheet

Vehicle Gateway Basestation (VGB) Model 4600

Specifications

SERVICE	Radio-based mobile utility meter reading system
PHYSICAL CHARACTERISTICS	VGB in metal case with folding handle: Length 18.5" x Width 11.25" x Height 4.5". Includes laptop computer, USB cables, magnetic-mount antenna and hard shell carrying case.
WEIGHT	19lbs.
POWER	12-volt DCDC adapter through VGB (with battery back-up, computer only); 7 watts
FREQUENCY RANGE	900 – 950 MHz
RECEIVER SENSITIVITY	-119 dBm
MEMORY	Non-Volatile
APPROVALS	Licensed Operation US: FCC CFR 47, Part 24D, Part 101C, Part 15 Canada: Industry Canada (IC) RSS-134, RSS-210
SOFTWARE	AutoVu (3.0 or higher)

(1) A Vehicle Transceiver Unit (VXU) is required for dual reading capability.

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Raleigh, NC 27615
1-800-638-3748

SENSUS

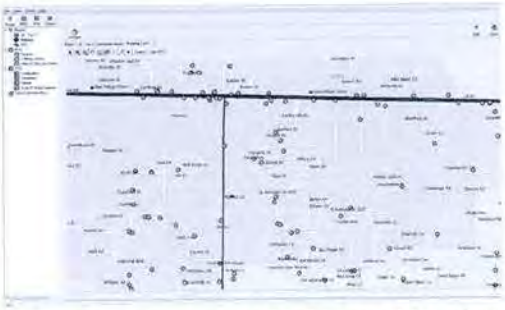
WDS-10012-01

AutoVU

Software Module

Description

User-friendly full color MS Windows screen and graphics



Route maps are automatically repositioned as the vehicle moves along

Each meter location is shown and readings are verified as the route is traversed

Features

INTRODUCTION

Sensus AutoVU software provides graphic on-screen mapping for the Sensus RadioRead™ and FlexNet Drive-By Solutions. The AutoVU software module enhances vehicle based radio reading.

PROGRAM FEATURES

- Provides GPS based mapping interface to graphically depict the location of each meter along a meter reading route and instantly verify each reading
- Uses precise locating and mapping technology made possible by existing low earth orbiting Global Positioning Satellites (GPS)
- Meter locations along each route can be optionally set by the utility to change color or disappear from the screen as each meter reading is successfully collected.
- The on-screen map automatically shifts position when used with the GPS System, keeping the meter reading vehicle location "positioned" on the map as it travels along the meter reading route.
- Provides ability to include map layers - i.e., water, street names, etc. when the maps are displayed.
- Shortens meter reading time and helps reduce costs
- On-screen instant reading verification helps eliminate the need to re-drive the complete meter reading route to obtain readings which may have been missed
- Helps eliminate guesswork in establishing the most efficient routes for radio based meter reading
- Alerts the meter reader of "high" and "low" reading limit discrepancies and low battery signals
- Non-radio equipped meters can be depicted on the digital route maps to alert the user that manual or special readings are required at specified locations Reading route statistics are saved and displayed as the routes are loaded and being read.

SUPPORT

Participation in the Sensus Systems Support Program is highly recommended. The fee for the first year of the Sensus Systems Support Program is included in the price of the AutoVU software. Initial program coverage begins on the ship date of the Sensus AutoVU System software to customer. Yearly renewal notices will be mailed to customers approximately 60 days prior to their first year expiration date. Customers who do not choose to renew during their renewal period can contact Sensus at any time in future years to enroll in the System Support Program.

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sensus

Sensus TouchRead® System Equipment

AutoRead® Handheld Device (HHD)

Model AR-5000

The AutoRead® HandHeld Device (HHD) is primarily designed to collect and store utility meter readings with built in capability for expanded uses. The HHD interfaces to a personal computer (PC) through a communications/charging stand used for uploading preprogrammed meter reading route information. The computer must be operating with the AutoRead® System software.

Features:

- Ergonomic design
- Backlit LCD
- Flexible data entry (automatic or manual entry)
- Automatic, error-free data collection

DESCRIPTION	MODEL	PRODUCT NUMBER
HandHeld Device	AR5001	50324 39
RF HandHeld Device	5002	50324 37

Communications and Charging Stand

The Communications and Charging Stand interfaces the HHD to the utility's IBM PC, (or approved compatible) for downloading of stored data and uploading of new meter route information. The rack automatically recharges the HHD's (NiMH) battery to provide ample energy for a full day's use.

Racks can be connected in series to allow multiple HHD units to be downloaded, uploaded and recharged in succession.

DESCRIPTION	MODEL	PRODUCT NUMBER
Communications/Charging Stand — Master	AR5005	50324 38
Communications/Charging Stand — Auxiliary	AR5006	50324 391

TouchRead®

WDS-10025-01

FlexNet™

SmartPoint™ M2

Description

Model 510M – Non Pit Set

The FlexNet SmartPoint M2 is a radio transceiver that provides water utilities inbound and outbound access to water measurement and ancillary device diagnostics via radio signal. The SmartPoint 510M is designed for non-submersible/non-pit installations. With its migratable, two-way communication ability, the M-Series SmartPoint functions as a walk-by/drive-by endpoint, fixed base endpoint, or combination of the two. This flexibility increases utility data collection capabilities and streamlines operations.

Features

TOUCHCOUPLER DESIGN

The SmartPoint M2 utilizes TouchCoupler, the patented Sensus inductive coupling communication platform, to interface with the encoded meter. With TouchCoupler, the SmartPoint M2 can connect to the meter using existing two wire AMR installations instead of requiring utilities to access the home to install a new three-wire system. This results in a fast, efficient and reliable connection at minimal cost.

OPERATION

The FlexNet SmartPoint M2 receives input from the meter register and remotely sends data to a walk-by/drive-by or fixed base collection device. The SmartPoint M2 easily migrates from walk-by/drive-by to fixed base by simply installing a Base Staton.

In walk-by/drive-by mode, the SmartPoint M2 collects data and awaits an activation signal from the Vehicle Gateway Basestation (VGB) or Hand-Held Device (HHD). Upon signal receipt, it transmits readings, the meter identification number and any alarms.

As a fixed-base endpoint, the SmartPoint M2 interacts with one or more strategically placed Base Stations located in the utility service area. Top of the hour readings and other diagnostics are instantly forwarded to the Regional Network Interface (RNI) at time of transmission. The FlexNet system provides unmatched reliability by using expansive tower receiver coverage of metering end points, data/message redundancy, fail over back up provisions and operation on FCC primary use (unshared) RF spectrum.

POWERFUL TRANSMISSION, FLEXIBLE PLATFORM

The SmartPoint M2 offers several advantages that control both deployment and lifetime operation costs. It's powerful, industry leading two watt transmitter broadcasts over large distances and minimizes collection infrastructure. And once the SmartPoint M2 is installed, its migratable, two-way system platform can be updated without requiring personnel to visit each meter and/or inconveniencing customers.

ADDITIONAL SMARTPOINT M2 FEATURES

The SmartPoint M2 obtains hourly readings and can monitor continuous flow over a programmable period of time, alerting the utility to leak conditions. In addition, the SmartPoint M2 stores up to 840 consumption intervals (35 days of hourly consumption), providing the utility with the ability to extract detailed usage profiles for consumer information and dispute resolution. The SmartPoint M2 also incorporates a two-port design, allowing the utility to connect multiple registers and ancillary devices (such as acoustic monitoring) to a single SmartPoint. This results in a compact installation that saves time, space and money – without reducing system performance.

SPECIFICATIONS

SERVICE	Wall mounted (non-pit/non-submersible) installation interfacing the utility meter to the Sensus FlexNet system.
PHYSICAL CHARACTERISTICS	Width: 5 9/16" x Height: 5 1/2" x Depth: 3"
WEIGHT	1.13 lbs/18.08 oz
COLOR	Tan
FREQUENCY RANGE	900 – 950 MHz, 8000 channels X 6.25 kHz steps
MEMORY	Non-Volatile
MODULATION	Proprietary Narrow Band
POWER	Lithium Thionyl Chloride batteries
APPROVALS	**US:** FCC CFR 47: Part 24D, Part 101C, Part 15 Licensed operation **Canada:** Industry Canada (IC) RSS-134, RSS-119
OPERATING TEMPERATURE	- 22° F to +185° F - 30° C to + 85° C
OPTIONS	Dual or single port availability; TouchCoupler only, wired only
INSTALLATION ENVIRONMENT	The 510M is designed for side-of-home applications where it is not subject to submergence.
COMPATIBILITY	**TouchCoupler and Wired Version:** Sensus ECRII, Encoded Registers, ADE water registers, and Master Meter AccuLinx **Wired Version Only:** Elster Encoder (Sensus protocol) and Neptune ARB VI (ProRead), Hersey Translators.
WARRANTY	20 years – Based on six transmissions per day. Refer to Sensus G-500 for warranty.

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SENSUS

Sensus TouchRead® System Equipment

TouchRead® System Auto Gun

The TouchRead® System Reading Gun is used with the HandHeld Device (HHD). TouchRead electronic meter reading guns are lightweight and easy to use. Meter reading data is obtained by touching the tip of the gun to a TouchRead® System TouchPad and pressing a button on the gun's handle to activate the reading sequence. The data is instantly transferred to the HHD carried by the meter reader via low power RF communication link. TouchRead® System meter reading guns help eliminate visual meter readings.

TR Meter Accessories

TouchPad

MDU

TouchPad Plate

DESCRIPTION	PRODUCT NUMBER
TouchPad	50063
Remote Meter Wire 3-22 Gauge	50069
Meter Display Unit (MDU)	50324 9
TouchPad Adaptor Plate	50281 3

Auto Gun Pit Probe Extension

For Reading TouchRead® Meters in Pits

Reading pit-set meters is fast and easy using the TouchRead® HandHeld Device (HHD) and the PitProbe Reading Gun. Readings are electronically obtained from TouchRead® PitLid meters by touching the PitProbe Reading Gun to their lid-mounted TouchPads – eliminating the need to open the access lids. Sensus meters with TouchRead® Pit Lid (TRPL) meter registers can also be easily read using the PitProbe Reading Gun. Readings are obtained by opening the meter box or valve vault lid, touching the tip of the PitProbe Reading Gun to the register-mounted TouchPad and pressing a button on the gun's handle. Sealed electronics in the meter's register allow readings to be made even when meter pits are flooded and meter registers are submerged in water.

DESCRIPTION	MODEL	PRODUCT NUMBER
Auto Gun (RF)	AR4090	50285 5
Auto Gun Pit Probe Extension	AR9094 EXT	50285 8

For a free demonstration of the TouchRead® System contact your Team EJP sales office.

WDS-10006-02

iPERL™ Water Management System

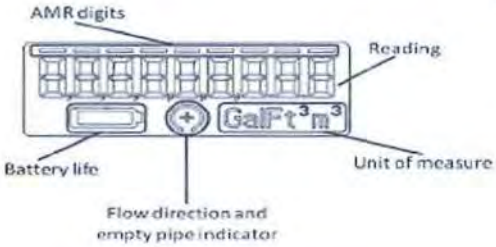
Electromagnetic Flow Measurement System

Description

5/8" (DN 15mm), 3/4" (DN 20mm) and 1" (DN 25mm) Sizes

With no moving parts, the Sensus iPERL water management system is based on innovative electromagnetic flow measurement technology. The iPERL system family has an operating range as low as 0.03 gpm (0.007 m^3/hr) to 55 gpm.

Electronic Register LCD Display



Features

CONFORMANCE TO STANDARDS

The iPERL system far exceeds the most recent revision of ANSI/AWWA Standard C-700 and C-710 for accuracy and pressure loss requirements. All iPERL systems are NSF/ANSI Standard 61 Annex F and G compliant and tested to AWWA standards.

PERFORMANCE

The patented measurement technology of the iPERL system allows enhanced accuracy ranges at both low and high flows and perpetual accuracy over the life of the product and can be installed horizontally, vertically or diagonally.

CONSTRUCTION

The iPERL system is an integrated unit that incorporates an electronic register and measuring device encased in an external housing. The measuring device is comprised of a composite alloy flowtube with externally-threaded spud ends. Embedded in the flowtube are magnetic flow sensors. The all electronic, programmable register is hermetically sealed with a tempered glass cover. The iPERL system has a 20 year life cycle, along with a 20 year battery life guarantee.

ELECTRONIC REGISTER

The high resolution 9-digit hermetically sealed electronic register with LCD display was designed to eliminate dirt, lens fogging issues and moisture contamination in pit settings with built in tamper protection. The tempered glass register cover displays readings with the AMR digits highlighted. Direction of flow and units of measure are also easily readable on the register display. The iPERL register features; AMR resolution and unit of measure that are fully programmable, integral customer data logging compatible with UniPro software tools. The large, easy to read display also includes battery life, empty pipe and forward/reverse flow indicators.

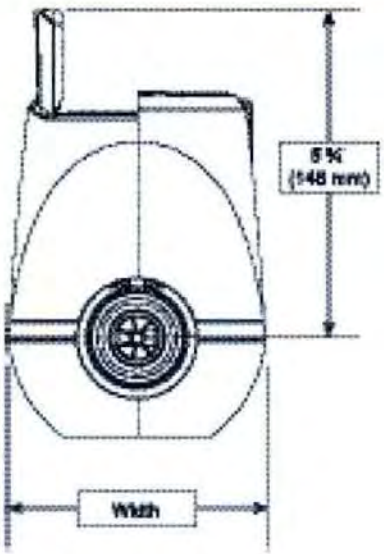
TAMPERPROOF FEATURES

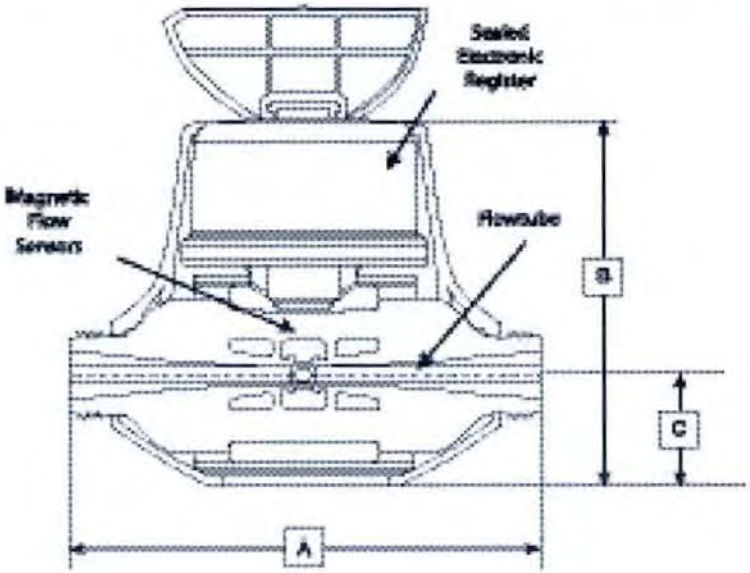
The integrated construction of the iPERL system prevents removal of the register to obtain free water. The magnetic tamper and low field alarms will both indicate any attempt to tamper with the magnetic field of the iPERL system.

AMR / AMI SYSTEMS

iPERL systems are compatible with current Sensus AMR/AMI systems.

sensus





DIMENSIONS AND NET WEIGHTS

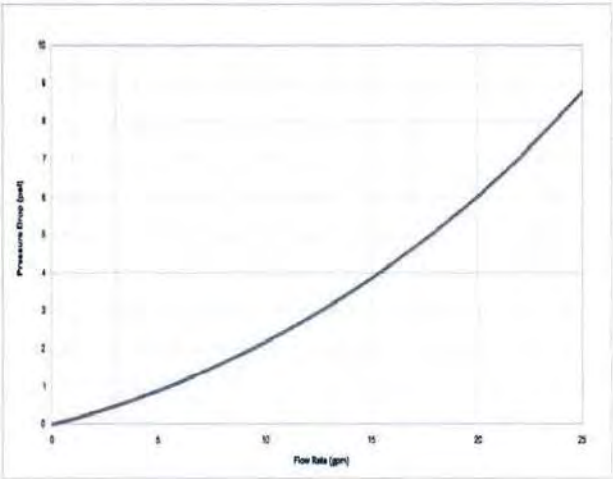
Size	A (lay length)	B	C	Spud Ends	NPSM Thread Size	Width	Net Weight
5/8" (DN 15 mm)	7-1/2" (190 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	5/8" (15 mm)	3/4" (19 mm)	4-1/2" (114 mm)	3.1 lb. (1.4 kg)
3/4"S (5/8" x 3/4") (DN 20 mm)	7-1/2" (190 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	3/4" (20 mm)	1" (25 mm)	4-1/2" (114 mm)	3.1 lb. (1.4 kg)
3/4" (DN 20 mm)	9" (229 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	3/4" (20 mm)	1" (25 mm)	4-1/2" (114 mm)	3.2 lb. (1.5 kg)
1" (DN 25 mm)	10-3/4" (273 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	1" (25 mm)	1-1/4" (32 mm)	4-1/2" (114 mm)	3.3 lb. (1.6 kg)

SPECIFICATIONS

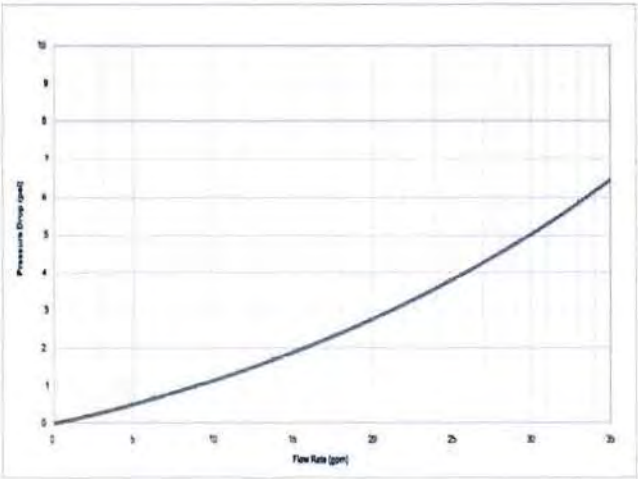
SERVICE	Measurement of potable and reclaim water. Operating temperature range of 33 °F (0.56 °C) - 150 °F (65.6 °C)
NORMAL OPERATING FLOW RANGE (±1.5%)	5/8" (DN 15mm) size: 0.18 to 25 gpm (0.04 to 5.7 m^3/hr) 3/4" (DN 20mm) size: 0.18 to 35 gpm (0.04 to 8.0 m^3/hr) 1" (DN 25mm) size: 0.4 to 55 gpm (0.09 to 12.5 m^3/hr)
LOW FLOW RANGE (±3%)	5/8" (DN 15mm) size: >0.11 gpm (0.025 m^3/hr) to <0.18 gpm (0.041 m^3/hr) 3/4" (DN 20mm) size: >0.11 gpm (0.025 m^3/hr) to <0.18 gpm (0.041 m^3/hr) 1" (DN 25mm) size: >0.3 gpm (0.068 m^3/hr) to <0.4 gpm (0.09 m^3/hr)
STARTING FLOW	5/8" (DN 15mm) size: 0.03 gpm (0.007 m^3/h) 3/4" (DN 20mm) size: 0.03 gpm (0.007 m^3/h) 1" (DN 25mm) size: 0.11 gpm (0.025 m^3/h)
MAXIMUM OPERATING PRESSURE	200 psi (13.8 bar)

MEASUREMENT TECHNOLOGY	Solid state electromagnetic flow
REGISTER	Hermetically sealed, 9-digit programmable electronic register AMR/AMI compatible iPERL system register programmable using the UniPro programming package
MATERIALS	External housing – Thermal plastic Flowtube – Polyphenylene sulfide alloy Electrode – Silver/silver chloride Register cover – Tempered glass
ALARM DEFAULTS	Alarm Duration – 90 days Leak Duration – 24 hours Datalog Interval – 1 hour Alarm Mask – All alarms reported History Mask – All event types reported

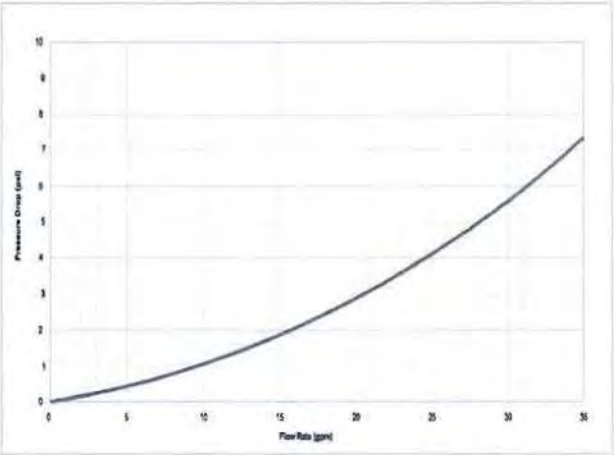
HEADLOSS CURVES



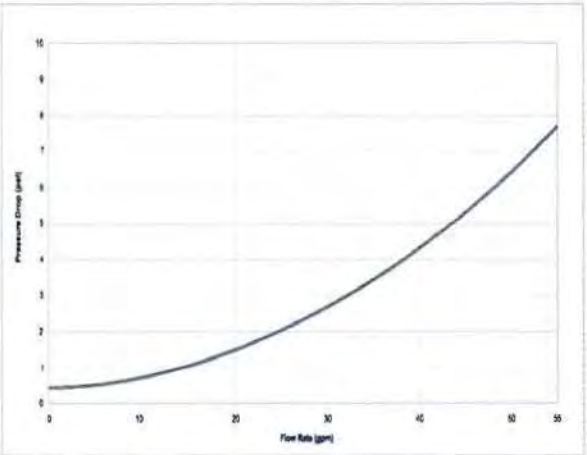
5/8" Headloss Curve



3/4" Short Headloss Curve



3/4" Headloss Curve



1" Headloss Curve

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DS-W-SR2-00-00-0312-04-A

SR II® Low Lead Meters

Displacement Type Magnetic Drive Cold Water Meters

Description

5/8" (DN 15mm), 3/4" (DN 20mm) and 1" (DN 25mm) Sizes

Measurement of cold water where flow is in one direction only; in residential, commercial and industrial services.

Features

CONFORMANCE TO STANDARDS

Sensus SRII Low Lead Water Meters meet the requirements of NSF Standard 61, Annex F and G and comply with ANSI/AWWA Standard C700-latest revision. Each meter is tested to insure compliance with AWWA standards.

CONSTRUCTION

Sensus SR II Low Lead Water Meters consist of three basic components: maincase; measuring chamber; and sealed register. Maincases are made of Bismuth BiAlloy CDA89836 or EnviroBrass™ II C89520 with externally-threaded spuds. Registers are housed in a bonnet of synthetic polymer. Measuring chambers are of Rocksyn®, a corrosionresistant, tailored thermoplastic material formulated for long-term performance and especially suitable for aggressive water conditions. Maincase bottom plates are available in Bismuth BiAlloy, EnviroBrass II or, if frost protection is desired, in cast iron or synthetic polymer[1].

SEALED REGISTER

Hermetically sealed; proven magnetic drive design eliminates dirt and moisture contamination, tampering and lens fogging problems. Standard register includes a straight-reading, odometertype totalization display; a 360° test circle with center sweep hand; and a low flow (leak) detector. Gears are selflubricating, molded plastic for long life and minimum friction.

No change gears are required for accuracy calibration. Encodertype remote reading systems are available for all SR II Low Lead Water Meters. (See other side of sheet for additional information.)

TAMPERPROOF FEATURES

A unique locking system prevents customer removal of the register to obtain free water. The register can only be removed by breaking the register bonnet.

MAGNETIC DRIVE

The SR II Low Lead features a hydrodynamically cushioned design that eliminates premature wear of components. The meter utilizes a patented positive, reliable drive coupling. The highstrength magnets used will eliminate "drive slip" in normal use and also provide adequate strength to drive remote register units.

OPERATION

Water flows through the meter's strainer and into the measuring chamber where it drives the piston. The hydrodynamically balanced piston oscillates around a central hub, guided by the division plate.

A drive magnet transmits the motion of the piston to a driven magnet located within the hermetically sealed register. The driven magnet is connected to the register gear train. It reduces the piston oscillations into volume totalization units displayed on the register dial face.

MAINTENANCE

Sensus SR II Low Lead Water Meters are engineered to provide long-term value and virtually maintenance-free operation. Simplicity of design allows interchangeability of parts of like-size meters, reduced parts inventory requirements, and ease of maintenance. The register can be removed without relieving the water pressure or removing the maincase from the installation.

CONNECTIONS

Tailpieces/Unions for installing the meters on a variety of pipe types and sizes are available.

AMR / AMI SYSTEMS

Meters and encoders are compatible with current Sensus AMR/AMI systems.

GUARANTEE

Sensus SR II Water Meters are backed by "The Sensus Guarantee." Ask your Sensus representative for details or see Bulletin G-500.

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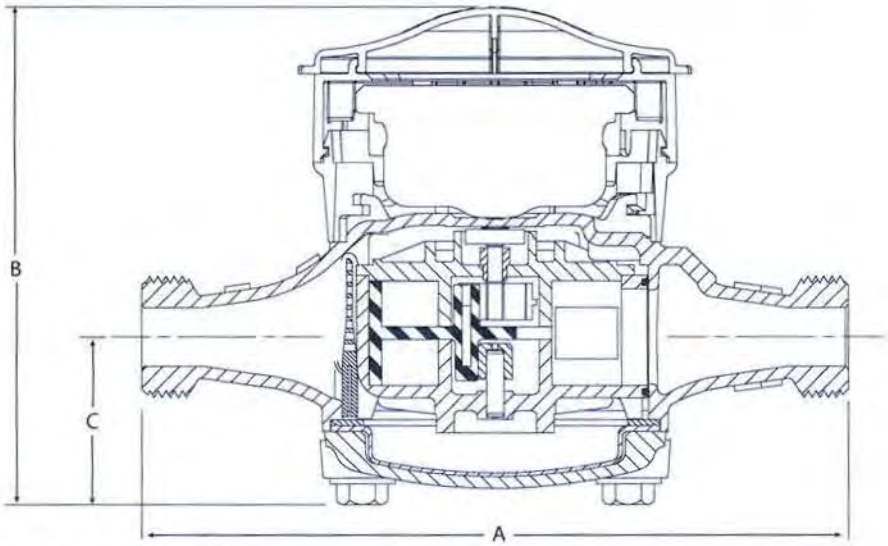


DIMENSIONS AND NET WEIGHTS

Meter Size	A	B	C	Width	Net Weight [1]
5/8" (DN 15mm)	7-1/2" (190mm)	5-3/8" (136mm)	1-3/4" (44mm)	3-7/8" (98mm)	4.3 lb. (1.97 kg)
5/8" x 3/4" (DN 15mm X 33mm)	7-1/2" (190mm)	5-3/8" (136mm)	1-3/4" (44mm)	3-7/8" (98mm)	4.4 lb. (2.00 kg)
3/4" (DN 20mm)	9" (229mm)	5-7/8" (149mm)	2-3/16" (56mm)	4-1/2" (114mm)	6.4 lb. (2.90 kg)
3/4" Short (DN 20mm)	7-1/2" (190mm)	5-7/8" (149mm)	2-3/16" (56mm)	4-1/2" (114mm)	6.2 lb. (2.81 kg)
1" (DN 25mm)	10-3/4" (273mm)	7-1/8" (181mm)	2-3/4" (70mm)	6-1/2" (165mm)	11.9 lb. (5.4 kg)

[1] With Rocksyn® measuring chamber.

SPECIFICATIONS

SERVICE	Measurement of potable and reclaim water.
NORMAL OPERATING FLOW RANGE [1] (100%±1.5%)	5/8" (DN 15mm) size: 1 to 20 gpm (0.25 to 4.5 m³/hr) 3/4" (DN 20mm) size: 2 to 30 gpm (0.45 to 7.0 m³/hr) 1" (DN 25mm) size: 3 to 50 gpm (0.7 to 11.0 m³/hr)
LOW FLOW REGISTRATION (95% - 101.5%)	5/8" size: 1/4 gpm (0.06 m³/hr) 3/4" size: 1/2 gpm (0.10 m³/hr) 1" size: 3/4 gpm (0.15 m³/hr)
MAXIMUM PRESSURE LOSS	5/8" size: 7.0 psi at 20 gpm (0.5 bar at 4.5 m³/hr) 3/4" size: 9.0 psi at 30 gpm (0.6 bar at 7.0 m³/hr) 1" size: 7.3 psi at 50 gpm (0.5 bar at 11.0 m³/hr)
MAXIMUM OPERATING PRESSURE	150 psi (10.0 bar)
MEASURING ELEMENT	Oscillating piston
REGISTER [3]	Straight reading, hermetically sealed, magnetic drive. Remote reading unit optional.
STANDARD METER REGISTRATION [3]	10 gallons, 1 cubic foot, or 0.01 m³/ or 0.1 m³/sweep hand revolution. 10,000,000 gallons, 1,000,000 cubic feet or 100,000 m³ capacity. 8 odometer wheels

METER CONNECTIONS [2]	5/8" (DN 15mm) size: 3/4" (26.44mm) threads 5/8" x 3/4" (DN 15mm x 33mm) size: 1" (33.25mm) threads 3/4" (DN 20mm) size: 1" (33.25mm) threads 1" (DN 25mm) size: 1-1/4" (41.9mm) threads (All threads are straight pipe, external type, conforming to ANSI B1.20.1 or ISO R228, if specified.)
MATERIALS	Maincase: Bismuth BiAlloy CDA89836 or EnviroBrass II C89520 Register box: Synthetic polymer Measuring chamber: Rocksyn® Bottom plate: Bismuth BiAlloy CDA89836 Magnets: Plasticized material Casing bolts: Stainless steel Strainer: Synthetic polymer

1 Maximum rates listed are for intermittent flow only. Maximum continuous flow rates as specified by AWWA are.
5/8" (DN 15mm)—10 gpm (2.3 m³/hr)
3/4" (DN 20mm)—15 gpm (3.4 m³/hr)
1" (DN 25mm)—25 gpm (5.7 m³/hr)

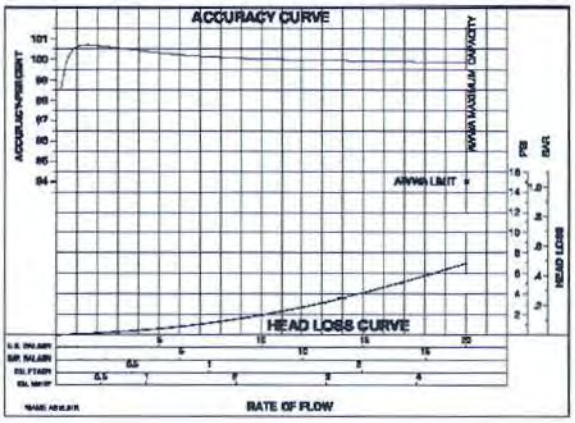
2 Unless otherwise noted, 5/8" size and 5/8" x 3/4" characteristics are identical. 5/8" x 3/4" designates 5/8" with 3/4" connection thread). Metric designation is the normal bore x the outside diameter.

3 See ICE-Opto Register Datasheet or Electronic Register Datasheet for details specifications.

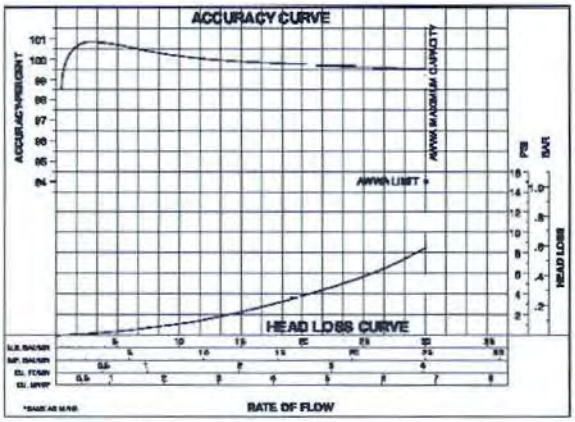
TYPICAL PERFORMANCE CURVES

SR II Meter

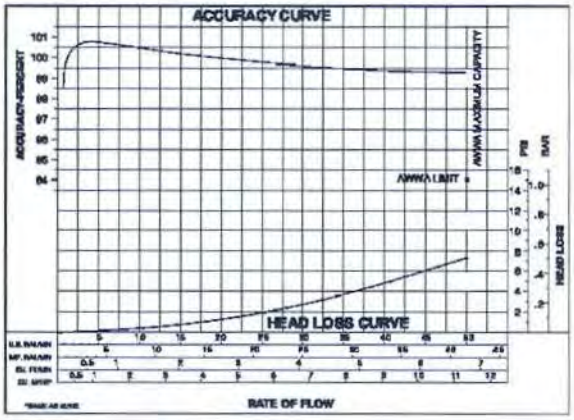
5/8" and 5/8" x 3/4" SR II Meter
UA-5833



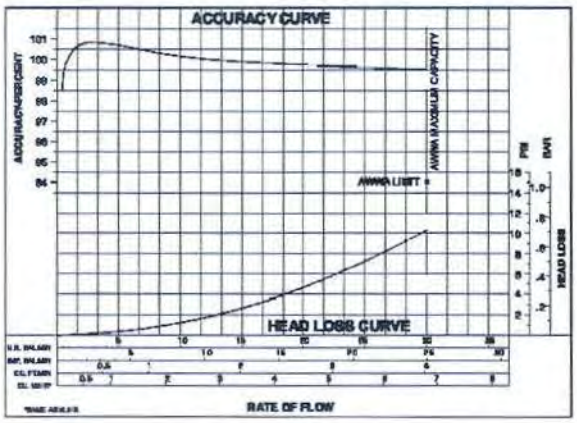
3/4" and 3/4" x 1" SR II Meter
UA-5834



1" SR II Meter
UA-5835



3/4" SR II Meter 7-1/2" Laying Length
UA-5838



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WPL-10003-02

Sensus Support Program

AutoRead® RadioRead® Walk-by / Drive-by Solution Price List

INTRODUCTION

The following information describes the features of the Sensus AutoRead Support Program. The Sensus AutoRead Support Program was established to provide the customer with a comprehensive support program that insures that they will receive the best in service along with software and hardware support, including software updates, for Sensus AutoRead software.

PARTICIPATION AND COVERAGE

Participation in the Sensus AutoRead Support Program is strongly recommended. This recommendation is made so that all customers will receive the same consistent product support and service benefits available in the program.

The fee for the first year of the Sensus AutoRead Support Program is included with the purchase of a training package. Initial program coverage begins upon the completion of training. Customers who do not choose to purchase the training package are required to pay for first year support at the time of the equipment purchase. Initial progam coverage begins on ship date of the software. Yearly renewal notices will be mailed to customers approximately 60 days prior to their expiration date. Customers who do not choose to renew during their renewal period can contact Sensus at any time in future years to enroll in the AutoRead Support Program.

PROGRAM FEATURES

1. Unlimited and priority handling of telephone service support from the Technical Services Group.
2. Priority status for customers requiring hardware support and loaner meter reading equipment.
3. Yearly software updates: These will include updates for the AutoRead System software and, if applicable, AutoVu operating software.
4. Preferred pricing on software upgrades to higher level AMR software modules.
5. Additional training sessions. Customer can purchase additional training sessions if desired on the operation of the AutoRead system software. Please check with your local Sensus representative for session dates, details, and pricing.
6. Information pertaining to annual customer user conference.

Annual Renewal Fee

- For Windows software system users $1,962.93

ALTERNATE PROGRAM

Because participation in the program is not compulsory, there is an alternate program for customers who choose not to participate. The customers will be charged for all additional services that are normally included in the program. Such charges are common in the system support industry for customers who do not participate in an annual support program. These charges include any telephone support and on-site assistance.

Alternate Program Includes:

- Telephone Support Charges $250.00 per hour
  - Price includes up to one (1) hour per incident
- Loaner material based on availability
- Software Update* $5,407.50 (NET)

Prices subject to change without notice.

*"Updates" means patches or other maintenance release of the software that corrects processing errors or other faults and defects found in the last two previous minor or major releases of the software. Prices apply to customers currently not on support.

FURTHER INFORMATION

If you wish further assistance or information concerning the Sensus AutoRead Support Program or pricing, please contact your local Sensus representative, authorized distributor, or call:

1-800-638-3748

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PRELIMINARY PROJECT COST ESTIMATE
City of Lead Water Meter Replacement Project

Residential Water Meter Cost			**$**	**405,000**
Cost per residential water meter, transmitter, and touch pad	$	300		
Number of residential water meters		1,350		
Commercial Water Meter Cost			**$**	**48,000**
Cost per commercial water meter, transmitter, and touch pad	$	600		
Number of commercial water meters		80		
Installation Cost			**$**	**143,000**
Cost per water meter	$	100		
Total number of water meters		1,430		
Other Project Costs			**$**	**108,000**
Engineering	$	10,000		
Mapping	$	6,000		
Equipment (computer, readers, software)	$	18,000		
Bond Counsel	$	10,000		
Contingencies (10%)	$	64,000		
TOTAL PROJECT COST		**100%**	**$**	**704,000**
DENR Drinking Water SRF Loan		100%	$	704,000

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

November 19, 2015

United States Department of Interior
Fish and Wildlife Service
420 S. Garfield Avenue
Pierre, SD 57501-5408
Attn: Field Supervisor

RE: Environmental Review for the City of Lead's Water Meter Replacement Project

To Whom It May Concern:

The Black Hills Council of Local Governments is assisting the City of Lead, South Dakota, in conducting an environmental review for their Water Meter Replacement Project. This environmental review is necessary as the City is proposing to finance the project through the South Dakota Department of Environment and Natural Resources' Drinking Water State Revolving Fund Program.

Specifically, the project involves the replacement of approximately 1,430 water meters located at all residences and businesses in the City of Lead with new water meters and an automatic meter reading system. The purpose of the project is to replace the existing water meters that are approximately 20 years old and nearing the end of their life cycle with new water meters, in order to eliminate future maintenance problems and reduce the large amount of water loss currently being experienced by the City of Lead. In addition, the new automatic meter reading system will significantly reduce staff time spent reading each individual water meter from around 10 days per month to one (1) day or less per month. Construction is scheduled to occur in the summer of 2016. A map of the proposed project area is attached for your reference. Since the replacement of all water meters within the City of Lead will be occurring on already developed property, no significant environmental effects are anticipated as a result of this project.

Please provide a written response to this letter within 30 days. Even if there are no concerns on behalf of your agency, please send a written response stating such. If you have any questions regarding this letter, or require additional information, please contact me at lzeller@tie.net or (605)394-2681. Thank you in advance for your response.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Encl. Project Map

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

November 19, 2015

South Dakota Dept. of Game, Fish and Parks
Division of Wildlife
523 E. Capitol Avenue
Pierre, SD 57501-3181
Attn: Interagency Coordinator

RE: Environmental Review for the City of Lead's Water Meter Replacement Project

To Whom It May Concern:

The Black Hills Council of Local Governments is assisting the City of Lead, South Dakota, in conducting an environmental review for their Water Meter Replacement Project. This environmental review is necessary as the City is proposing to finance the project through the South Dakota Department of Environment and Natural Resources' Drinking Water State Revolving Fund Program.

Specifically, the project involves the replacement of approximately 1,430 water meters located at all residences and businesses in the City of Lead with new water meters and an automatic meter reading system. The purpose of the project is to replace the existing water meters that are approximately 20 years old and nearing the end of their life cycle with new water meters, in order to eliminate future maintenance problems and reduce the large amount of water loss currently being experienced by the City of Lead. In addition, the new automatic meter reading system will significantly reduce staff time spent reading each individual water meter from around 10 days per month to one (1) day or less per month. Construction is scheduled to occur in the summer of 2016. A map of the proposed project area is attached for your reference. Since the replacement of all water meters within the City of Lead will be occurring on already developed property, no significant environmental effects are anticipated as a result of this project.

Please provide a written response to this letter within 30 days. Even if there are no concerns on behalf of your agency, please send a written response stating such. If you have any questions regarding this letter, or require additional information, please contact me at lzeller@tie.net or (605)394-2681. Thank you in advance for your response.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Encl. Project Map

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

November 19, 2015

United States Department of Agriculture
Natural Resources Conservation Service
200 Fourth Street SW
Huron, SD 57350-2475
Attn: State Soil Scientist

RE: Environmental Review for the City of Lead's Water Meter Replacement Project

To Whom It May Concern:

The Black Hills Council of Local Governments is assisting the City of Lead, South Dakota, in conducting an environmental review for their Water Meter Replacement Project. This environmental review is necessary as the City is proposing to finance the project through the South Dakota Department of Environment and Natural Resources' Drinking Water State Revolving Fund Program.

Specifically, the project involves the replacement of approximately 1,430 water meters located at all residences and businesses in the City of Lead with new water meters and an automatic meter reading system. The purpose of the project is to replace the existing water meters that are approximately 20 years old and nearing the end of their life cycle with new water meters, in order to eliminate future maintenance problems and reduce the large amount of water loss currently being experienced by the City of Lead. In addition, the new automatic meter reading system will significantly reduce staff time spent reading each individual water meter from around 10 days per month to one (1) day or less per month. Construction is scheduled to occur in the summer of 2016. A map of the proposed project area is attached for your reference. Since the replacement of all water meters within the City of Lead will be occurring on already developed property, no significant environmental effects are anticipated as a result of this project.

Please provide a written response to this letter within 30 days. Even if there are no concerns on behalf of your agency, please send a written response stating such. If you have any questions regarding this letter, or require additional information, please contact me at lzeller@tie.net or (605)394-2681. Thank you in advance for your response.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Encl. Project Map

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

November 19, 2015

U.S. Army Corps of Engineers, Omaha District
Planning Division
Attention: CENWO-PM-AE
106 South 15th Street
Omaha, NE 68102-4901

RE: Environmental Review for the City of Lead's Water Meter Replacement Project

To Whom It May Concern:

The Black Hills Council of Local Governments is assisting the City of Lead, South Dakota, in conducting an environmental review for their Water Meter Replacement Project. This environmental review is necessary as the City is proposing to finance the project through the South Dakota Department of Environment and Natural Resources' Drinking Water State Revolving Fund Program.

Specifically, the project involves the replacement of approximately 1,430 water meters located at all residences and businesses in the City of Lead with new water meters and an automatic meter reading system. The purpose of the project is to replace the existing water meters that are approximately 20 years old and nearing the end of their life cycle with new water meters, in order to eliminate future maintenance problems and reduce the large amount of water loss currently being experienced by the City of Lead. In addition, the new automatic meter reading system will significantly reduce staff time spent reading each individual water meter from around 10 days per month to one (1) day or less per month. Construction is scheduled to occur in the summer of 2016. A map of the proposed project area is attached for your reference. Since the replacement of all water meters within the City of Lead will be occurring on already developed property, no significant environmental effects are anticipated as a result of this project.

Please provide a written response to this letter within 30 days. Even if there are no concerns on behalf of your agency, please send a written response stating such. If you have any questions regarding this letter, or require additional information, please contact me at lzeller@tie.net or (605)394-2681. Thank you in advance for your response.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Encl. Project Map

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

December 1, 2015

U.S. Army Corps of Engineers, Omaha District
Planning Division
1616 Capitol Avenue
Omaha, NE 68102-4901

RE: Environmental Review for the City of Lead's Water Meter Replacement Project

To Whom It May Concern:

The Black Hills Council of Local Governments is assisting the City of Lead, South Dakota, in conducting an environmental review for their Water Meter Replacement Project. This environmental review is necessary as the City is proposing to finance the project through the South Dakota Department of Environment and Natural Resources' Drinking Water State Revolving Fund Program.

Specifically, the project involves the replacement of approximately 1,430 water meters located at all residences and businesses in the City of Lead with new water meters and an automatic meter reading system. The purpose of the project is to replace the existing water meters that are approximately 20 years old and nearing the end of their life cycle with new water meters, in order to eliminate future maintenance problems and reduce the large amount of water loss currently being experienced by the City of Lead. In addition, the new automatic meter reading system will significantly reduce staff time spent reading each individual water meter from around 10 days per month to one (1) day or less per month. Construction is scheduled to occur in the summer of 2016. A map of the proposed project area is attached for your reference. Since the replacement of all water meters within the City of Lead will be occurring on already developed property, no significant environmental effects are anticipated as a result of this project.

Please provide a written response to this letter within 30 days. Even if there are no concerns on behalf of your agency, please send a written response stating such. If you have any questions regarding this letter, or require additional information, please contact me at lzeller@tie.net or (605)394-2681. Thank you in advance for your response.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Encl. Project Map

City of Lead - Water Meter Replacement Project

RECEIVED
NOV 23 2015
U.S. FISH & WILDLIFE SERVICE

BLACK HILLS
COUNCIL OF LOCAL GOVERNMENTS

November 19, 2015

United States Department of Interior
Fish and Wildlife Service
420 S. Garfield Avenue
Pierre, SD 57501-5408
Attn: Field Supervisor

RE: Environmental Review for the City of Lead's Water Meter Replacement Project

To Whom It May Concern:

The Black Hills Council of Local Governments is assisting the City of Lead, South Dakota, in conducting an environmental review for their Water Meter Replacement Project. This environmental review is necessary as the City is proposing to finance the project through the South Dakota Department of Environment and Natural Resources' Drinking Water State Revolving Fund Program.

Specifically, the project involves the replacement of approximately 1,430 water meters located at all residences and businesses in the City of Lead with new water meters and an automatic meter reading system. The purpose of the project is to replace the existing water meters that are approximately 20 years old and nearing the end of their life cycle with new water meters, in order to eliminate future maintenance problems and reduce the large amount of water loss currently being experienced by the City of Lead. In addition, the new automatic meter reading system will significantly reduce staff time spent reading each individual water meter from around 10 days per month to one (1) day or less per month. Construction is scheduled to occur in the summer of 2016. A map of the proposed project area is attached for your reference. Since the replacement of all water meters within the City of Lead will be occurring on already developed property, no significant environmental effects are anticipated as a result of this project.

Please provide a written response to this letter within 30 days. Even if there are no concerns on behalf of your agency, please send a written response stating such. If you have any questions regarding this letter, or require additional information, please contact me at lzeller@tie.net or (605)394-2681. Thank you in advance for your response.

Sincerely,

Lysann Zeller

Lysann Zeller,
Community Development Planner

Encl. Project Map

This constitutes a report of the Department of the Interior prepared in accordance with the Fish and Wildlife Coordination Act (16 U.S.C. 661 et seq.). We have reviewed and have NO OBJECTION to this proposed project.

11/25/15 Scott Larson
Date Field Supervisor

DEPARTMENT OF GAME, FISH, AND PARKS
Foss Building
523 East Capitol
Pierre, South Dakota 57501-3182

November 23, 2015

Ms. Lysann Zeller
Black Hills Council of Local Governments
730 East Watertown St.
Suite 102
Rapid City, SD 57701

RE: Water Meter Replacement Project
Lead, South Dakota

Dear Ms. Zeller:

The South Dakota Department of Game, Fish and Parks, Wildlife Division, has reviewed the above project involving the replacement of water meters in the City of Lead, South Dakota.

At this time, the project as proposed will have no impacts on fish and wildlife resources. If the project design changes, please submit the revised project for review.

Thank you for the opportunity to provide comments on this project. If you have any questions, please contact me at 605.773.6208.

Sincerely,

Leslie Murphy

Leslie Murphy
Senior Biologist

USDA
United States Department of Agriculture

December 28, 2015

Lysann Zeller
Black Hills Council of Local Governments
730 E. Watertown Street, Suite 102
Rapid City, SD 57701

RE: Environmental Review for
City of Lead Water Main Replacement

Dear Ms. Zeller:

Thank you for the opportunity to provide Farmland Protection Policy Act (FPPA) review of this project. The project as outlined will have **no effect** on prime or important farmland.

If you have any questions, please contact me at (605) 348-2889 ext. 104.

Sincerely,

TIMOTHY NORDQUIST
NRCS Conservation Agronomist

Natural Resources Conservation Service
414 E Stumer Road, Suite 700
Voice: 605.348.2889 ext 104 Fax: 855.256.2553
An Equal Opportunity Provider and Employer

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, OMAHA DISTRICT
1616 CAPITOL AVENUE
OMAHA NE 68102-4901

REPLY TO
ATTENTION OF

December 15, 2015

Ms. Lysann Zeller
Black Hills Council of Local Governments
730 East Watertown Street, Suite 102
Rapid City, South Dakota 57701

Dear Ms. Zeller:

The U.S. Army Corps of Engineers, Omaha District (Corps) has reviewed your letter dated December 1, 2015 (received December 8, 2015) regarding the environmental review for the City of Lead's Water Meter Replacement Project in Lead, Lawrence County, South Dakota. We offer the following comments for your consideration:

Your plans should be coordinated with the state water quality office that has jurisdiction within the area where the project is located to ensure compliance with federal and state water quality standards and regulations mandated by the Clean Water Act and administered by the U.S. Environmental Protection Agency. Please coordinate with the South Dakota Department of Environment & Natural Resources concerning state water quality programs.

If you have not already done so, it is recommended you consult with the U.S. Fish and Wildlife Service and South Dakota Department of Game, Fish and Parks regarding fish and wildlife resources. In addition, the South Dakota State Historic Preservation Office should be contacted for information and recommendations on potential cultural resources in the project area.

If the proposed waterline construction project crosses the floodplains of small drainageways and streams, flood-related problems should not occur if the lines are buried far enough below the beds of drainageways and streams to prevent exposure due to streambed erosion during periods of high floodflows. Any aboveground construction subject to flood damage, such as pump houses, should either be placed above, or flood proofed to, a level above the one percent annual chance flood elevation.

Since the proposed project does not appear to be located within Corps owned or operated lands, your plans should be submitted to the local floodplain administrator for review and approval prior to construction. It should be ensured that the proposed project is in compliance with the floodplain management criteria of Lawrence County and State of South Dakota. In addition, please coordinate with the following floodplain management office:

U.S. Army Corps of Engineers
Pierre Regulatory Office
Attention: Mr. Steve Naylor, CENWO-OD-R-SD
28563 Powerhouse Road, Room 120
Pierre, South Dakota 57501

Any proposed placement of dredged or fill material into waters of the United States (including jurisdictional wetlands) requires Department of the Army authorization under Section 404 of the Clean Water Act. You can visit the Omaha District's Regulatory website for permit applications and related information. Please review the information on the provided website (http://www.nwo.usace.army.mil/Missions/RegulatoryProgram.aspx) to determine if this project requires a 404 permit. For a detailed review of the permit requirements, preliminary and final project plans should be sent to:

U.S. Army Corps of Engineers
Pierre Regulatory Office
Attention: Mr. Steve Naylor, CENWO-OD-R-SD
28563 Powerhouse Road, Room 120
Pierre, South Dakota 57501

If you have any questions, please contact Ms. Amanda Ciurej of my staff at (402) 995-2897 or amanda.k.ciurej@usace.army.mil and reference PD# 6780 in the subject line.

Sincerely,

Eric A. Laux
Chief, Environmental Resources and Missouri River
Recovery Program Plan Formulation Section

CULTURAL RESOURCES EFFECTS ASSESSMENT SUMMARY

Applicant City of Lead Project Contact Mike Stahl, City Administrator
Address 801 West Main Street, Lead, SD 57754 Telephone Number (605)584-1401

Legal Location of Project City of Lead
City Lead County Lawrence Project No. Not Assigned

Project Description The City of Lead is seeking funding from DENR's Drinking Water Revolving Fund Loan Program for an automatic water meter reading system, which consists of new water meters, transmitters, and touch pads being installed at each water customer's residence or business. The system also includes a new hand-held receiver, vehicle base station, laptop, and software for use by city staff to collect the water meter readings. The existing water meters are 20 years old and nearing the end of their life cycle.

For projects that involve new construction on vacant land please include information as to what previously occupied the site and whether that site has any known historic or archaeological significance.
The proposed project does not involve new construction on any vacant land.

Please describe below or attach information supporting the determination of effect.
All of the work for the proposed project is on previously disturbed land and the new water meters and associated equipment will be installed in the same location as the existing water meters. The project area includes the Lead Historic District and four (4) properties designated on the National Register of Historic Places. The proposed project meets the Secretary of the Interior's Standards for the Treatment of Historic Properties and the historic character of all structures will be preserved.

A map showing the project location is required. Drawings or photographs may also be helpful.

Please indicate the effect the project will have on cultural resources based on the review performed:

_____ No Historic Properties Affected: There are no historic properties present or the undertaking will not affect any properties eligible for or listed in the National Register of Historic Preservation.

X No Adverse Effect: This property is listed in or eligible for the National Register of Historic Places. This project will have no adverse effect upon the historic significance of the property because the proposed undertaking meets the Secretary of the Interior's Standards for the Treatment of Historic Properties.

_____ Adverse Effect: This property is listed in or eligible for eligible for the National Register of Historic Places. This project will have an adverse effect upon the historic significance of the property. (Attach proposed mitigation measures that may minimize the adverse effect.)

Prepared by: Lysann Zeller, Black Hills Council of Local Governments Date 12/14/2015

DETERMINATION OF EFFECTS

I have reviewed the project description and the information provided concerning historical and cultural effects of this project. Based on that review, the Department of Environment and Natural Resources concurs with the applicant's determination of the effects that the construction of this project will have on historical or cultural resources. Additionally, if historical or cultural resources are discovered during project construction, the contractor is required to cease construction and notify the State Historical Preservation Officer.

Approved by: _____ Date _____
SD Department of Environment and Natural Resources

LEAD CITY COMMISSION
Regular Meeting
March 21, 2016

The Lead City Commission met on Monday, March 21, 2016 in City Hall, 801 West Main Street at 5:00 PM with the following members present: Mayor Apa, Commissioners Denise Parker, Ron Everett, and David Vardiman. Absent: Commissioner King. Mayor Apa called the Regular Meeting to order. The Pledge of Allegiance was recited.

APPROVE MINUTES

M/,Vardiman, S/Everett–Carried to approve the Minutes of the March 7, 2016 regular meeting. Motion Carried.

HEARINGS

Community Development Block Grant Hearing-Water Meter Replacement and Prospect Avenue Storm Sewer-Mayor Apa opened the Hearing: Lysann Zeller with the Black Hills Council of Local Governments is present. Zeller stated that cost we are asking for is $810,945.00 from the CDBG and gave a brief discussion on the subject. No comments from the public were offered. Mayor Apa closed the Hearing.

Community Development and Housing Needs Assessment Hearing-Mayor Apa opened the Hearing: Zeller stated that we will have to reapply for this Housing Needs Assessments due to changes. No comments from the public were offered. Mayor Apa closed the Hearing.

DENR Loan Hearing-Water Meter Replacement-Mayor Apa opened the Hearing: Zeller stated that this is just an application and doesn't commit us to any expenditures or borrowing money. The need for the project is to replace approximately 1,300 water meters that are over 20 years old and to update the collection of meter readings. One question about the loan amount was offered from the audience and was answered satisfactorily. Mayor Apa closed the Hearing.

PLANNING & ZONING/HISTORIC PRESERVATION/COMP PLAN

Demolition Permit-Garages,12 South Blue St. (along Julius St.)-M/Vardiman, S/Apa-Carried to approve Demolition Permit-Garages, 12 South Blue St. (along Julius St.)

PUBLIC SAFETY

Mutual Aid Agreement-Lawrence County Fire Protection-M/Parker, S/Everett-Carried to approve the signing of the Mutual Aid Agreement-Lawrence County Fire Protection.

PUBLIC BUILDINGS & GROUNDS

Wayfinding and Greeting Signs-Stahl presented an update on the Wayfinding signs stating that we are still in the process on getting bids and input from the Commission. M/Vardiman, S/Apa- Carried to approve the proposed greeting signs not to exceed in the amount of $3,200.

Bob's Silver Star Land Request-Mayor Apa stated that the Land request is going in front of Planning and Zoning Board Tuesday March 22, 2016 at 5:00PM.

STREETS & UTILITIES

Resolution 2016-03 CDBG Certifying Officer-M/Vardiman, S/Apa- Carried to approve Resolution 2016-03 CDBG Certifying Officer with changes as noted.

CITY OF LEAD RESOLUTION # 2016-03
COMMUNITY DEVELOPMENT BLOCK GRANT
PROJECT CERTIFYING OFFICER RESOLUTION

The City Commission of the City of Lead, a municipal corporation, meeting in regular session on March 21, 2016, pursuant to SDCL 9-19, motion was made by Vardiman seconded by Apa that the following resolution be adopted:

WHEREAS, the City of Lead is applying for a Community Development Block Grant (CDBG) from the U.S. Department of Housing and Urban Development, as administered by the State of South Dakota; and,

WHEREAS, if awarded CDBG funds, the City of Lead will be required to designate a Certifying Officer for the purpose of signing required documents pertaining to this grant;

NOW, THEREFORE, BE IT RESOLVED, that the Mayor of the City of Lead be hereby designated as the City's official for the purpose of signing grant agreements, contracts, pay requests and other related items;

AND, BE IT FURTHER RESOLVED, that the City Administrator of the City of Lead be hereby designated as the City's representative for the purpose of signing correspondence and other required documents directly relating to the CDBG project.

Those voting aye: Apa, Parker, Everett and Vardiman
Those voting nay: None
Motion Carried.

Dated this 21st day of March, 2016.

_____
Gerald F. Apa
City of Lead, Mayor

ATTEST:

_____
Mike Stahl
City of Lead, Administrator

(Seal)

Resolution 2016-04 CDBG Environmental Officer-M/Vardiman, S/Everett- Carried to approve Resolution 2016-04 CDBG Environmental Officer

CITY OF LEAD RESOLUTION # 2016-04
COMMUNITY DEVELOPMENT BLOCK GRANT
ENVIRONMENTAL CERTIFYING OFFICER RESOLUTION

The City Commission of the City of Lead, a municipal corporation, meeting in regular session on March 21, 2016, pursuant to SDCL 9-19, motion was made by Vardiman, seconded by Everett, that the following resolution be adopted:

WHEREAS, the City of Lead is applying for a Community Development Block Grant from the U.S. Department of Housing and Urban Development as administered by the State of South Dakota; and,

WHEREAS, the City of Lead is required to designate an environmental certifying officer for the purpose of signing required environmental documents pertaining to this application;

NOW, THEREFORE, BE IT RESOLVED, that the Mayor of the City of Lead be hereby designated as the City's environmental certifying officer for the purpose of signing correspondence and other required documents and forms.

Those voting aye: Apa, Parker, Everett and Vardiman
Those voting nay: None
Motion Carried.

Dated this 21st day of March, 2016.

_____
Gerald F. Apa
City of Lead, Mayor

ATTEST:

_____
Mike Stahl,
City of Lead, Administrator

(Seal)

Resolution 2016-05 CDBG Application-M/Parker, S/Vardiman- Carried to approve Resolution 2016-05 CDBG Application

CITY OF LEAD RESOLUTION # 2016-05
COMMUNITY DEVELOPMENT BLOCK GRANT
APPLICATION RESOLUTION

The City Commission of the City of Lead, a municipal corporation, meeting in regular session on March 21, 2016, pursuant to SDCL 9-19, motion was made by Parker, seconded by Vardiman, that the following resolution be adopted:

WHEREAS, the City of Lead has identified the need to replace all water meters and install storm sewer along 300 feet of Prospect Avenue in the City of Lead; and,

WHEREAS, the City of Lead proposes to apply for a Community Development Block Grant (CDBG) not to exceed $411,465 for the replacement of said water meters and installation of said storm sewer, in order to meet the needs of the community; and,

WHEREAS, the City of Lead is eligible for Federal assistance under the CDBG Program; and,

WHEREAS, with the submission of the CDBG application, the City of Lead assures and certifies that all CDBG program requirements will be fulfilled; and,

WHEREAS, the City of Lead has held the required public hearing on March 21, 2016, for the Community Development Block Grant;

NOW, THEREFORE, BE IT RESOLVED, that the Mayor of the City of Lead be authorized to execute the CDBG application for the City of Lead.

AND, BE IT FURTHER RESOLVED, that the following supporting CDBG documents be adopted:

- Operation, Maintenance, and Repair Statement
- Relocation, Displacement and Acquisition Plan

Those voting aye: Apa, Parker, Everett and Vardiman
Those voting nay: None
Motion Carried.
Dated this 21st day of March, 2016.

_____
Gerald F. Apa
City of Lead, Mayor

ATTEST:

_____
Mike Stahl
City of Lead, Administrator

(Seal)

Resolution 2016-06 SRF Signatory-Water Meters-M/Vardiman, S/Everett- Carried to approve Resolution 2016-06 SRF Signatory-Water Meters

CITY OF LEAD RESOLUTION # 2016-06
RESOLUTION AUTHORIZING AN APPLICATION FOR FINANCIAL ASSISTANCE, AUTHORIZING THE EXECUTION AND SUBMITTAL OF THE APPLICATION, AND DESIGNATING AN AUTHORIZED REPRESENTATIVE TO CERTIFY AND SIGN PAYMENT REQUESTS

The City Commission of the City of Lead, a municipal corporation, meeting in session on March 21, 2016, pursuant to SDCL 9-19, motion was made by Vardiman, seconded by Everett, that the following resolution be adopted:

WHEREAS, the City of Lead (the "City") has determined it is necessary to replace all water meters within the City (the "Project");

WHEREAS, the City has determined that financial assistance will be necessary to undertake the Project and an application for financial assistance to the South Dakota Board of Water and Natural Resources (the "Board") has been prepared; and,

WHEREAS, it is necessary to designate an authorized representative to execute and submit a Drinking Water Facilities Funding Application ("Application") on behalf of the City and to certify and sign payment requests in the event financial assistance is awarded for the Project.

NOW, THEREFORE, BE IT RESOLVED by the City as follows:

1. The City hereby approves the submission of an Application for financial assistance in an amount not to exceed $704,000 to the South Dakota Board of Water and Natural Resources for the Project;
2. The Mayor is hereby authorized to execute the Application and submit it to the Board, and to execute and deliver such other documents and perform all acts necessary to effectuate the Application for financial assistance; and,
3. The City Administrator is hereby designated as the authorized representative of the City to do all things on its behalf to certify and sign payment requests in the event financial assistance is awarded for the Project.

Those voting aye: Apa, Parker, Everett and Vardiman
Those voting nay: None
Motion Carried.

Dated this 21st day of March, 2016

_____
Gerald F. Apa
City of Lead, Mayor

ATTEST:

_____
Mike Stahl
City of Lead, Administrator
(Seal)

Main Street Project-Change Order #9-M/Everett, S/Apa- Carried to approve Main Street Project-Change Order #9 in the amount of $13,518.35.

LEGAL & FINANCE

Financial Report-February, 2016-M/Parker, S/Vardiman- Carried to approve the February Financial Report with a balance of all funds in the amount of $2,291,277.49.

Resolution 2016-02 Transfer Funds from General Fund to Medical Reserve Fund-M/Parker, S/Apa- Carried to approve Resolution 2016-02 Transfer Funds from General Fund to Medical Reserve Fund

CITY OF LEAD RESOLUTION # 2016-02
A RESOLUTION TRANSFERRING FUNDS FROM THE GENERAL FUND TO THE MEDICAL RESERVE FUND

The City Commission of the City of Lead, a municipal corporation, meeting in regular session on March 21, 2016, pursuant to SDCL 9-19, motion was made by Parker, seconded by Apa, that the following resolution be adopted:

WHEREAS, the City of Lead has established, by Resolution 2013-05, a Medical Reserve Fund, and

WHEREAS, the City of Lead has sufficient funds in the General Fund available to supplement the Medical Reserve Fund, and

WHEREAS, the City of Lead has budgeted the expenditure in the 2016 City of Lead Budget,

NOW, THEREFORE, BE IT RESOLVED, that the City of Lead shall transfer the amount of Twenty Two Thousand Dollars ($22,000) from the General Fund to the Medical Reserve Fund.

Those voting aye: Apa, Parker, Everett and Vardiman
Those voting nay: None
Motion carried.
Dated this 21st day of March, 2016

_____
Gerald F. Apa
City of Lead, Mayor

ATTEST:

_____
Mike Stahl
City of Lead, Administrator

(Seal)

Ordinance 1047-16 Adopting 2015 ICC Building Codes (First Reading)--M/Vardiman, S/Apa- Carried to approve first reading of Ordinance 1047-16 Adopting 2015 ICC Building Codes.

Special Permits-M/Parker, S/Everett- Carried to approve special permit for Gail Johnson with Black Hills Weddings for use of the Manuel Brothers Park Band Shelter on August 9, 2016 from 5:00AM-2:00PM.

ITEMS FROM MAYOR & COMMISSIONERS

Municipal Election-Mayor & Referred Ordinance 1035-15 (April 12, 2016)

Absentee Voting at Lead City Hall (8:00AM-5:00PM) starts March 22, 2016

Mayoral Candidates' Forum- Wednesday, March 30, 2016 6:00PM, Opera House

Next Regular Meeting – The next City Commission Meeting will be held Monday, April 4th, 2016 at 5:00 PM.

BILLS

M/Parker, S/Apa- Carried to approve the Bills in the amount of $106,415.10.

ADJOURN

At 6:29PM M/Parker, S/Vardiman- Carried to adjourn the Regular Meeting.

CITY OF LEAD ATTEST

_____ _____
Gerald F. Apa, Mayor Mike Stahl, City Administrator

(SEAL)

GY, 3,547.50, 29293
CENTRISYS CORPORATION, 77,433.00, 29294
CITY OF DEADWOOD, 172.59, 29295
CITY OF DEADWOOD, 535.27, 29295
CITY OF DEADWOOD, 97.5, 29295
CITY OF LEAD, 48.15, 29296
CITY OF LEAD, 28.75, 29296
GOLDEN WEST, 94.02, 29297
GRAINGER, 158.85, 29298
HAWKINS, INC, 3,167.14, 29299
HAWKINS, INC, 1,642.90, 29299
HORSLEY SPECIALTIES, INC, 760, 29300
LEAD-DEADWOOD SCHOOL DISTRICT, 9.07, 29301
MCGAS PROPANE OF STURGIS, 174.45, 29302
MCGAS PROPANE OF STURGIS, 234.01, 29302
MONTANA DAKOTA UTILITIES, 1,281.03, 29303
MONTANA DAKOTA UTILITIES, 93.2, 29303
MONTANA DAKOTA UTILITIES, 1,324.12, 29303
RAPID DELIVERY INC., 96.64, 29304
SD RETIREMENT-SUPPLEMENT, 900, 29308
TWIN CITY HARDWARE, 1,472.03, 29305
USA BLUE BOOK, 885.81, 29306
WELLS FARGO BANK, 5,517.22, 13226084
WELLS PLUMBING & SUPPLY, 324.94, 29307
WELLS PLUMBING & SUPPLY -1.26
TOTAL ACCOUNTS PAYABLE 100,536.08
PAYROLL CHECKS 14,306.25
* PAID TOTAL * 114,842.33
* REPORT TOTAL * 114,842.33

Published once at the total approximate cost of $51.20.

#178
Mar. 11

Public Notices 56

NOTICE OF PUBLIC HEARING for the WATER METER PROJECT CITY OF LEAD, SD

The City of Lead is seeking $704,000 of funding from the Board of Water and Natural Resources for a Water Meter Replacement Project. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Fund (SRF) Program. The Drinking Water SRF loan terms are 2.25% for 10 years, and the Board of Water and Natural Resources may forgive all or a portion of loan principal. The amount, source of funds, and terms will be determined by the Board of Water and Natural Resources when the application is presented at a scheduled board meeting. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for the loan. The public is invited to attend and comment on the project.

The public hearing will be held at Lead City Hall (801 West Main, Lead, SD) on March 21, 2016 at 5:00 PM.

Published once at the total approximate cost of $11.76.

#181
Mar. 11

NOTICE OF PUBLIC HEARING for a COMMUNITY DEVELOPMENT BLOCK GRANT CITY OF LEAD, SD

The City of Lead expects to submit an application to the State of South Dakota for a Community Development Block Grant to make possible a water meter replacement project and storm sewer project. The City expects to apply for approximately $411,465 of CDBG funds to be used for the proposed project which will cost approximately $810,945.

A public hearing will be held at 5 p.m. on Monday, March 21, 2016, at Lead City Hall (801 West Main, Lead, SD). The purpose of the hearing is to receive comments from members of the community regarding the application. The meeting is open to the public and interested persons are encouraged to attend.

Public comments will also be taken during this public hearing on the City of Lead's community development and housing needs.

Notice is further given to persons with disabilities that this hearing is being held in physically accessible place and you must notify the above mentioned office within 48 hours of the public hearing if you have special needs for which this agency will make arrangements.

Published once at the total approximate cost of $13.11.

#182
Mar. 11

ADVERTISING:
Advertising deadline for the *Black Hills Pioneer* is 3 p.m., two days prior to the day in which you wish your advertisement to appear. We can also accept advertising until 9:00 a.m. on Mondays for our Tuesday edition.

Category Index

Rates: $25.00 up to 25 words
Your ad runs:
- SIX TIMES in the Black Hills Pioneer
- ONE TIME in the Weekly Prospector

Deadline: 5 p.m. two days prior to publication

Announcements
102 Personals
103 Community Events
104 Notices
105 Lost & Found
106 Give Aways
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Services
200 Professional Services
201 Schools & Training
202 Construction Services
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204 Lawn/Garden Services
205 Child Care Services
206 Adult Care Services
207 Rental Merchandise
208 Snow Removal
209 Handyman
210 Moving Company

Garage Sales
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301 Deadwood
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304 St. Onge
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306 Whitewood
307 Sundance
308 Out of Area
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Employment
400 Seasonal Help
401 Part-Time
402 Full-Time
403 Positions Wanted
404 Business Opportunity
405 Instructors Wanted
406 Rally Help

Merchandise
500 Antiques, Collectibles
501 Arts & Crafts
502 Musical Instruments
503 Lawn & Garden Items
504 Clothing & Jewelry
505 Children's Items
506 Household Items
507 Appliances
508 Pets & Pet Supplies
509 Sporting/Exercise Items
510 Hunting/Fishing
511 Building Supplies
512 Computers/Electronics
513 Office, Commercial
514 Good Things To Eat
515 Firewood & Fuel
516 Miscellaneous Items
517 Wanted To Buy
518 Aviation

Agriculture
600 Livestock
601 Horses
602 Saddle & Tack
603 Grain, Feed & Seed
604 Machinery/Equipment
605 Farm/Ranch Services
606 Ranch/Farm Misc.
607 Agri-Buildings For Sale
608 Wanted To Buy

Recreational Vehicles
700 All-Terrain Vehicles
701 Motorcycles
702 Snowmobiles
703 Snow Equipment
704 Boats & Motors
705 Campers & Toppers
706 Motor Homes & RVs
707 Golf
708 Recreational

Automotive
750 Autos For Sale
751 Vans For Sale
752 Pickups For Sale
753 Sport Utilities For Sale
754 Heavy Trucks
755 Heavy Equipment
756 Trailers For Sale
757 Auto Repairs
758 Auto Insurance
759 Auto Accessories
760 Autos Wanted
761 Collectible Autos
762 Autos For Rent

Real Estate For Rent
800 Apartments For Rent
801 Rooms For Rent
802 Townhouses For Rent
803 Duplexes For Rent
804 Mobile Homes For Rent
805 Homes For Rent
806 Roommates Wanted
807 Farms/Ranches For Rent
808 Lots & Acreage For Rent
809 Commercial Rentals
810 Garages & Storage
811 Miscellaneous For Rent
812 Wanted To Rent
813 Vacation Rentals
814 Rally Rentals

Real Estate For Sale
899 Condos
900 Townhouses For Sale
901 Duplexes For Sale
902 Mobile Homes For Sale
903 Homes For Sale
904 Lots & Acreage For Sale
905 Farms/Ranches For Sale
906 Comm. Prop. For Sale
907 Home Insurance
908 Real Estate Wanted
909 Vacation Properties
910 Open House
999 Statewides

MISS YOUR NEWSPAPER?
Carrier delivery of your daily newspaper should arrive at your address by 5:00 p.m. Monday through Friday, and by 7:00 a.m. Saturday mornings. If you do not receive your newspaper by these times...
Please Call
642-2761

Equal Housing Opportunity

All real estate advertising in the Fair Housing Act makes it illegal to advertise "any preference, limitation or discrimination based on race, color, religion, sex, handicap, familial status, or national origin, or an intention, to make any such preference, limitation or discrimination." Familial status includes children under the age of 18 living with parents or legal custodians; pregnant women and people securing custody of children under 18.

This newspaper will not knowingly accept any advertising for real estate which is in violation of the law. Our readers are hereby informed that all dwellings advertised in this newspaper are available on an equal opportunity basis. To complain of discrimination, call HUD toll-free at 1 (800) 669-9777. The toll-free telephone number for the hearing impaired is 1 (800) 927-9275.

NEED A SUBSCRIPTION TO THE BLACK HILLS PIONEER? CARRIER DELIVERY OR E-EDITION CALL KELLY AT 642-2761

102 Personals

DOMESTIC ABUSE & Sexual Assault 24-Hour Crisis Line, Butte/Lawrence/ Harding Counties: 605-642-7825 or 1-800-999-2348. Sturgis Shelter: 605-347-0050 or 1-800-755-8432. All Calls Confidential.

104 Notices

WILL HAUL YOUR JUNK VEHICLES FREE!!!! CALL: 605-580-1063

Visit bhpioneer.com today!

200 Professional Services

WESTERN STAR POST frame buildings: 24x24x8- $5,554; 30x32x10- $7,947; 36x40x12- $10,873; 40x48x14- $13,801. Complete material packages with instructions. Experienced and insured crews available. 605-892-3376 \ 800-658-5565

AFFORDABLE Brick & Stone Masonry: All Types. You visualize, I will customize. Backyard patios, BBQs, fireplaces, tile, concrete and more. 605-786-2227

200 Professional Services

WEAVER'S MOBILE HOME SERVICE **Furnace/duct cleaning special** $249- single-wide, with free dryer vent blowout. **SPECIAL for average-sized- homes $499. Call Lee 605-639-9580 or Jean 605-639-0368

202 Construction Services

MIDWEST FENCE: Installation, repair, sales of residential fence. Wood, chain link, vinyl. 26 years experience. Estimates available. State licensed and insured. Mike at 605-230-0070, www.midwestfencesd.com

209 Handyman

HANDY MAN FOR HIRE! Snow removal, tree trimming, trash removal, yard work, roofing, plumbing, carpentry, painting. *FIREWOOD for sale* Call Jake: 605-645-4018. **STORAGE TRAILER FOR SALE** **ROOMMATE WANTED**

309 Flea Markets

BELLE FOURCHE FLEA MARKET: CHANGE OF VENUE- Rec Center (1111 National St, next to the High School) Saturday, March 12th, 8:30AM-3PM. Antiques, coins, stamps, food, crafts and more. Also visit Relic Diggers Antique Store, 519 1/2 State St. Few tables still available. Call Bob 605-237-3454.

E-MAIL YOUR NEW CLASSIFIEDS TO classifieds@bhpioneer.com
MANDI WILL THEN CONTACT YOU FOR FURTHER DETAILS!

310 Auctions

LARGE STORAGE UNIT SALE- Tables, chairs, school desks from the 1940s, many household items, some antiques, many many other items. Saturday March 12 9 am to 1pm location - Dakota Storage on 32nd St behind the Super 8 motel on Heritage Dr., Spearfish.

400 Seasonal Help

WANT A SUMMER job that has almost all evenings and weekends off? THE CITY OF LEAD is taking applications for seasonal summer employment. Several positions are available. For a complete job description and application stop in at Lead City Hall or call 584-1401. Application closing is April 1, 2016

400 Seasonal Help

SEEKING SEASONAL Associates and Tour Guides to work for Deadwood History. For more information please contact: april@deadwoodhistory.com or call 605-722-4800

WE ARE CURRENTLY looking for umpires for the 2016 Adult Softball seasons. We are currently starting out first year umpires at a $15 per game umpired for a two man/woman crew and $20 per game for a single man/woman crew. If your interested you can visit our website at www.spearfishasa.com or contact Jared @ 605-645-9368

Log On Anytime
www.bhpioneer.com

401 Part-Time

THE HAMPTON INN of Deadwood is seeking a part-time BREAKFAST ATTENDANT. Benefits include Health, Life, Dental and Vision insurance, 401K, PTO, 8 paid holidays and meal discounts. Please apply at the Players Club Center or send resume to Tin Lizzie, 555 Main St., Deadwood, SD 57732.

NURSERY WORKER to assist in plant nursery, part-time 24-40 hrs./week, mostly outdoors, depending on weather and season (peak hours in spring). $8.50-$9.50/ hr., depending on experience. Varied tasks relating to plant care, general maintenance & some customer service. Experience with plants, skid-steer operation & mechanical ability are useful, but not required. Heavy lifting needed occasionally. Apply at Homestead Nursery, 1728 5th. Ave., South Hwy. 85, Belle Fourche, SD 57717. 605-892-2846

NOW HIRING for a Substitute (part/full-time) and Saturday Staff (part-time) at Deadwood First Step Child Care Center and Preschool. All applicants must pass a background check. Call 605-559-2007 or email director@nhfirststep.com to apply today!

LOOKING FOR A friendly, dependable person to assist with resident cares in Assisted Living setting. Have housekeeping, cook and resident aide positions available. Please call Autumn at Garden Hills 605-642-0404 or 605-644-6477 for further information/application.

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: City of Elk Point

Project Title:	Rose Street Reconstruction Project
Funding Requested:	$721,000
Total Project Cost:	$721,000
Project Description:	The project will replace approximately 3,400 feet of ductile iron water main and appurtenances as part of the Rose Street reconstruction project.
Alternatives Evaluated:	Replacing the water main in its current location is the only alternative evaluated.
Implementation Schedule:	Elk Point anticipates bidding the project in February 2017 with a project completion date of December 2018.
Service Population:	1,963
Current Domestic Rate:	$32.39 per 5,000 gallons usage

Interest Rate: 3.25% Term: 30 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If funding is provided as all loan, Elk Point would have 142% coverage based on the current rate of $32.39/5,000 gallons.

10% Funding Subsidy:	$72,100 subsidy with a loan of $648,900
Coverage at 10% Subsidy:	Based on 10% subsidy and a loan of $648,900 Elk Point would have 158% coverage based on the rate of $32.39/5,000 gallons.

25% Funding Subsidy:	$180,250 subsidy with a loan of $540,750
Coverage at 25% Subsidy:	Based on 25% subsidy and a loan of $540,750, Elk Point would have 189% coverage based on the rate of $32.39/5,000 gallons.

Engineering Review Completed By: Eric Meintsma

Financial Review Completed By: Derek Lankford

SECOG
SOUTH EASTERN COUNCIL OF GOVERNMENTS
SOUTH DAKOTA

RECEIVED
MAR 31 2016
Division of Financial
& Technical Assistance

March 29, 2016

Mike Perkovich
SD-DENR
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Dear Mr. Perkovich:

Enclosed, please find the Drinking Water State Revolving Loan Funding Application for the City of Elk Point's Dakota Water Distribution and Sanitary Sewer Project. Included with the general application are the following appendices:

Appendix A – Supplemental Signed Application Forms including the Certification of Drinking Water Needs Categories, Certification Regarding Debarment, Suspension, and Other Responsibility Matters.
Appendix B – Signed Application Resolution
Appendix C – Capacity Assessment Worksheets
Appendix D – Capacity Assessment Financial Spreadsheet
Appendix E – User Rate Ordinance
Appendix F – Amortization of Existing Drinking Water Debt
Appendix G – 2014 Audited Financial Statements
Appendix H – 2015 Unaudited Financial Statements
Appendix I – 2016 Budget
Appendix J – Documentation of an Active Registration in the SAM Database
Appendix K – Public Hearing Notice, Sign-in Sheets, & Unofficial Minutes (Official minutes will be sent after they are approved during the January council meeting)

The Facility Plan will be sent directly to DENR by McLaury Engineering, Inc. Should you have any questions or comments pertaining to this application, please contact me or the consultant listed in the application. Thank you for your consideration of this application.

Sincerely,

Melissa Gibson

Melissa Gibson
Planner

Enclosures

Cc: City of Elk Point
Kim McLaury, McLaury Engineering, Inc.

500 N. Western Ave. • Suite 100 • Sioux Falls, SD 57104
Phone: 605.367.5390 • Fax: 605.367.5394
Website: www.secog.org • E-mail: lynne@secog.org
Lynne Keller Forbes, Executive Director

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Elk Point	Proposed Funding Package
Address: P.O. Box 280 Elk Point, SD 57025	Requested Funding $721,000 Local Cash _____
Subapplicant:	Other: _____ _____ Other: _____ _____
DUNS Number: 807083493	Other: _____ _____ TOTAL $721,000

Project Title: City of Elk Point Rose Street Reconstruction Project

Description:

Due to its age and present condition, approximately 3,400 feet of 6" Ductile Iron Pipe (DIP) water main, hydrants, valves, joints, water service lines in the right of way under Rose Street and adjoining streets, and other appurtenances will have to be replaced as a part of the City of Elk Point's Rose Street Reconstruction Project. The existing 6" DIP has met its 60-year life expectancy and ductile iron pipe is known to be highly susceptible to corrosion and deterioration over time. The Rose Street Reconstruction Project will enable the City to replace its aging 6" DIP water distribution system with a more modern 8" Polyvinyl Chloride Pipe (PVC) water distribution system. The Rose Street Reconstruction Project will also result in the installation of isolation valves which will enable the City to better contain future water main breaks and allow for future connections or expansions for the City of Elk Point's water distribution system. The current rate for residential drinking water is $32.39 for 5,000 gallons.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Isabel Trobaugh, Mayor, City of Elk Point	Isabel Trobaugh	3-28-16
Name & Title of Authorized Signatory (Typed)	Signature	Date

Professional Consultants

Application Prepared By: South Eastern Council of Governments

Contact Person: Melissa Gibson

Mailing Address: 500 N. Western Avenue, Suite 100

City, State, and Zip: Sioux Falls, South Dakota 57104

Telephone Number: (605) 367-5390 Fax: (605) 367-5394

Email address: melissa@secog.org

Consulting Engineering Firm: McLaury Engineering, Inc.

Contact Person: Kim L. McLaury

Mailing Address: 118 West Main Street

City, State, and Zip: Elk Point, South Dakota 57025

Telephone Number: (605) 356-2308 Fax:

Email address: kmclaury@mclauryengineering.com

Legal Counsel's Firm: Thompson Law Office

Contact Person: Craig Thompson

Mailing Address: 109 W. Kidder Street

City, State, and Zip: Vermillion, South Dakota 57069

Telephone Number: (605) 624-2097 Fax:

Email address:

Bond Counsel's Firm: Meierhenry Sargent, LLP

Contact Person: Todd Meierhenry

Mailing Address: 315 S. Phillips Avenue

City, State, and Zip: Sioux Falls, South Dakota 57104

Telephone Number: (605) 336-3075 Fax: (605) 336-2593

Email address: Todd@meierhenrylaw.com

Budget Sheet

Cost Classification	A DWSRF/ CWFCP	B CWSRF	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal & Bond Counsel	$53,263	$31,337				$84,600
D. Other SECOGAdm	$3,500	$3,500				$7,000
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	$101,347	$61,853				$163,200
B. Project Inspection Fees						
C. Other						
4. Construction & Improvements	$468,867	$286,193				$755,060
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	$626,977	$382,883				$1,009,860
10. Contingencies	$94,023	$57,117				$151,140
11. Total (Lines 9 and 10)	$721,000	$440,000				$1,161,000
12. Total %	62.10%	37.90%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) DENR DWSRF		$721,000	June 30, 2016
Other (Explain) DENR CWSRF		$440,000	June 30, 2016
Other (Explain) DOT CAG		$400,000	October 31, 2016
Total		$1,561,000	$1,561,000

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1

Population Served Current: 1,963 2010 1,963 2000 1,714

Top three employers within 30 miles	Number of Employees	Type of Business
Thermobond	100	Manufacturing
Load King	83	Manufacturing
Elk Point - Jefferson School District	76	Education

Repayment Information

Interest rate you are applying for: 3.25% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation Bond (Requires Bond Election)
- ☒ 2. Revenue Bond
- ☐ 3. Project Surcharge Revenue Bond
- ☐ 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the drinking water fund.
2. Current year's budget for the drinking water fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Drinking Water Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.

   (https://www.sam.gov)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary for SRF Projects.
6. Capacity Assessment Worksheets.

Items 7-9 apply to Non-profit Entities only

7. By-laws.
8. Articles of Incorporation.
9. Certificate of Good Standing from Secretary of State.

Drinking Water Fund Debt Information

Year	2002	2004	2006	2008	2009	
Purpose	Pearl Street Project	Water Treatement Plant II	Water Project	Clay & Washington Street Project	Main Street Project	
Security Pledged	Water Fund	Water Fund	Water Fund	Water System Revenue Bond	Water System Revenue Bond	
Amount	$220,000	$570,000	$218,000	$564,000	$1,179,500	
Maturity Date (mmm/yyyy)	1/1/2023	7/1/2026	7/1/2028	10/1/2030	1/1/2031	
Debt Holder	SD Conservancy District	SD Conservancy District	SD Conservancy District	SD Conservancy District	SD Conservancy District	
Debt Coverage Requirement	110%	110%	110%	110%	110%	
Avg. Annual Required Payment	$15,342	$38,927	$7,898	$36,787	$23,411	
Outstanding Balance	$82,703	$345,121	$77,867	$429,708	$285,525	

Comments:

Drinking Water Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2014	2015	2016	2017	2018	2019
Operating Revenue						
Base Fees	$414,442	$442,573	$410,000	$410,000	$410,000	$410,000
Surcharge Fees			$26,000	$26,000	$26,000	$26,000
Other (Explain)			$4,010	$4,010	$4,010	$4,010
Operating Expenses						
Personal Services	($87,221)	($92,379)	($116,010)	($118,300)	($120,700)	($123,100)
Chemical, Material & Supplies			($22,000)	($22,000)	($22,000)	($22,000)
Electric & Other Utilities			($48,500)	($48,500)	($48,500)	($48,500)
Other (Explain)	($123,339)	($203,009)	($70,900)	($70,900)	($70,900)	($70,900)
Operating Net Cash	$203,882	$147,186	$182,600	$180,310	$177,910	$175,510
Nonoperating Cash Flow						
Interest Revenue						
Transfers In (Explain)						
Fixed Asset Purchases		($11,572)	($1,100)	($1,100)	($1,100)	($1,100)
Transfers Out (Explain)						
Principal Debt Payments	($77,922)	($80,478)	($83,150)	($97,607)	($97,607)	($97,607)
Interest Debt Payments	($44,444)	($41,888)	($39,280)	($62,538)	($62,538)	($62,538)
Other (Explain)						
Nonoperating Net Cash	($122,366)	($133,938)	($123,530)	($161,244)	($161,244)	($161,244)
Increase (Decrease) Cash	$81,517	$13,248	$59,070	$19,066	$16,666	$14,266
Beginning Cash Balance	$306,736	$388,252	$401,501	$460,571	$479,636	$496,302
Ending Cash Balance	$388,252	$401,501	$460,571	$479,636	$496,302	$510,568
Restricted Balance	$122,430	$122,430	$142,430	$142,430	$142,430	$142,430
Unrestricted Balance	$343,744	$479,358	$518,428	$537,494	$554,160	$568,426

Explanations

Other Operating Revenue is revenue not consisting of Base or Surcharge Fees.
Other Operating Expense is listed as Other Current Expense for 2014 and 2015. It is a sum of all expenses excluding Supplies, Utilities, Equipment, Software, Principal payment and Interest payments for 2016.
2014 and 2015 Principal Debt and Interest Debt values were obtained from the City of Elk Point Finance Officer.

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber
$122,430	Water Loans Repayment	Rate Covenant & Surcharge

Drinking Water Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: [X] Incorporated Municipality or Sanitary District

or

[ ] Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	$32.39	$32.39	2,007	1698
Business	$77.54	$77.54	147	4116
Other:				
Other:				

Are fees based on usage or flat rate? usage

When is proposed fee scheduled to take effect? N/A

When did the current fee take effect? January 2015

What was the fee prior to the current rate? $30.86 Domestic / $73.86 Business

Four Largest Customers	Type of Business	% of System Revenue
Elk Point Swimming Pool	Pool	2.9%
Walnut Apartments	Apartments	1.4%
Wel-Cove Assisted Living	Assisted Living	1.2%
Elk Point Football Field	Football Field	1.1%

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Drinking Water Facilities Plan document can be found at http://denr.sd.gov/dfta/wwf/dwsrf/dwfunding.aspx

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- Submission of a Facilities Plan to the department that addresses those items found in the Water Facilities Plan document. [x]
- A public hearing held discussing the project and the use of an SRF loan to finance the project. [x]
- Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan. [x]
- The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan. [x]
- The four review agencies contacted and responses received for inclusion into the final Facilities Plan. [x]
- The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. [x]

Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$721,000
Treatment	
Storage	
Source	
System Purchase	
Restructuring	
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
Total	$721,000

Isabel Trobaugh, Mayor, City of Elk Point

Name & Title of Authorized Representative

Isabel Trobaugh

Signature of Authorized Representative

3-28-16

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Isabel Trobaugh, Mayor, City of Elk Point

Name & Title of Authorized Representative

Isabel Trobaugh

Signature of Authorized Representative

3-28-16

Date

☐ I am unable to certify to the above statements. Attached is my explanation

CITY OF ELK POINT

RESOLUTION # 2016-1

DW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Elk Point has determined the need for the Rose Street Reconstruction Project; and

WHEREAS, loan assistance is necessary to enable the City of Elk Point to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City Council is desirous of applying for up to a $721,000 30 year loan, to be repaid with water revenues, at 3.25% from the Drinking Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

1. The City of Elk Point hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund its water distribution project.

2. Be it further resolved that the City of Elk Point hereby authorizes its Mayor to act as Project Certifying Officer in connection with the applications, grant and/or loan agreements, and other required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 21st day of March, 2016.

BY:

Isabel Trobaugh

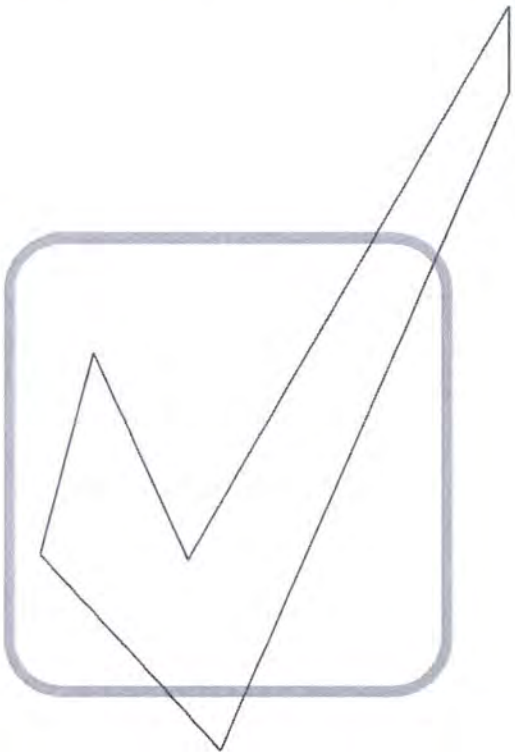
Isabel Trobaugh, Mayor

ATTEST:

Erika Hammitt

Erika Hammitt, Finance Officer

Capacity Assessment Worksheets for Public Water Systems



Department of Environment and Natural Resources

Revised January 2015

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: City of Elk Point

Prepared by: Dennis Nelsen
City Adminstrator

Phone #: 605-356-2141

Date: 3/17/2016

Glossary of Terms

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water;

Disinfectant: Any oxidant, including chlorine, chlorine dioxide, chloramine, and ozone, that is added to water in any part of the treatment or distribution process and that is intended to kill or inactivate pathogenic microorganisms;

Disinfectant contact time: The time in minutes that it takes for water to move from the point of disinfectant application or the previous point of disinfectant residual measurement to a point before or at the point where residual disinfectant concentration is measured;

Filtration: A process for removing particulate matter from the water by passing the water through porous media;

Ground Water: The supply of fresh water found beneath the surface of the ground, usually in aquifers, which is often used for supplying wells and springs;

Ground Water Under the Direct Influence of Surface Water: Any water beneath the surface of the ground with a significant occurrence of insects, macroorganisms, algae, or large-diameter pathogens such a *Giardia lamblia* ; or any water with significant and relatively rapid shifts in water quality characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions;

Maximum Contaminant Level (MCLs): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards;

mg/L: milligrams per liter - equivalent to parts per million;

µg/L: micrograms per liter - equivalent to parts per billion;

NTU: nephelometric turbidity unit;

psi: pounds per square inch

Surface Water: All water that is open to the atmosphere and subject to surface runoff;

Turbidity: A cloudy condition in water due to suspended silt or organic matter; and

Waiver: A process used by the Department of Environment and Natural Resources that allows a public water system to reduce or eliminate monitoring for a particular chemical.

The Technical Portion of your System

Your Water Supply

Please check the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section or question does not apply to your system, please check NA for not applicable.***

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** 261,964 gallons	☑	☐	☐	☐
Do you know how much water you pump on a peak day? ***Amount:*** 528,782 gallons	☑	☐	☐	☐
Do you know the maximum amount of water you can pump from your source? ***Amount:*** 800 gpm	☑	☐	☐	☐
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:*** _____	☑	☐	☐	☐
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:*** 4 hours	☑	☐	☐	☐
Have you been able to provide adequate volumes of water during drought cycles?	☑	☐	☐	☐
Have you had to restrict usage at any time for any reason? ***Please specify:*** _____	☐	☑	☐	☐
Does your system have an emergency or supplemental water supply? ***Please specify:*** 2 wells	☑	☐	☐	☐
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***	☑	☐	☐	☐
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☑ ***growing,*** ☐ ***declining, or*** ☐ ***stable.***	☑	☐	☐	☐
Does your source have additional water available for appropriation?	☐	☑	☐	☐
Do you have a water right? ***Water right permit number(s):*** _____	☐	☐	☐	☑
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☐	☐	☐	☑
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☐	☐	☐	☑
Do you have a contract to purchase water? ***If yes, with whom?*** _____	☐	☑	☐	☐
Are you currently staying within your contract?	☐	☐	☐	☑
Are you knowledgeable about other demands being placed on the same water source that you are using?	☑	☐	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☑	☐	☐	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☑	☐	☐	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** 350 ft	☑	☐	☐	☐
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** _____	☐	☑	☐	☐
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☐	☐	☐	☑

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☐ **Yes** ☑ **No**

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☐	☐	☐	☑
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☐	☑
Are repair parts available?	☐	☐	☐	☑
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☐	☐	☐	☑
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☐	☐	☐	☑
Do you have on-line continuous turbidimeters on each filter?	☐	☐	☐	☑
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** Every day	☐	☐	☐	☑
Do you have the capability to add coagulant before the filter?	☐	☐	☐	☑

Ground Water Systems

Ground Water Under the Influence of Surface Water	Yes	No	Unknown	NA
Is your water free from variations in turbidity and temperature after storm events?	☑	☐	☐	☐
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** _____	☐	☐	☑	☐
Is your well(s) constructed according to current South Dakota regulations?	☑	☐	☐	☐
Do you have a source water protection plan?	☑	☐	☐	☐
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☑	☐	☐	☐

Disinfection

Do you disinfect? ☑ **Yes** ☐ **No** ***(If "No", skip to the Infrastructure - Pumping section)***

Disinfection	**Yes**	**No**	**Unknown**	**NA**
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** Parastalic Pump & Injector ***How often?*** Every day ***Disinfectant used:*** Azone 15	☑	☐	☐	☐
Do you have back-up equipment? ***Type:*** Generator & Back-up Pumps	☑	☐	☐	☐
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:*** 30 min Average	☑	☐	☐	☐
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** 0.3 mgL ***Total Chlorine Residual:*** _____ (if using chloramines)	☑	☐	☐	☐

Disinfection By-Products

Treatment for the Control of Disinfection By-Products	**Yes**	**No**	**Unknown**	**NA**
If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?	☐	☐	☐	☑
If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?	☐	☐	☐	☑

Treatment - Security

Treatment Security	**Yes**	**No**	**Unknown**	**NA**
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☑	☐	☐	☐
Are chemicals used for treatment properly stored and secure?	☑	☐	☐	☐
Does the water system track chemical usage? (i.e. a sudden	☑	☐	☐	☐

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping

Condition of Pumping Equipment	**Yes**	**No**	**Unknown**	**NA**
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** Daily	☑	☐	☐	☐
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☑	☐	☐	☐
Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	☑	☐	☐	☐
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☑	☐	☐	☐
Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	☑	☐	☐	☐
Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	☑	☐	☐	☐

Infrastructure - Storage

Storage Capacity	**Yes**	**No**	**Unknown**	**NA**
Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:*** _____	☑	☐	☐	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:*** _____	☑	☐	☐	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☑	☐	☐	☐
Are access hatches locked?	☑	☐	☐	☐
Is the tank and the immediate surrounding area fenced?	☐	☑	☐	☐
Control Systems				
Is there a high and low water level signal system to control the pumps?	☑	☐	☐	☐

Is there a drain valve or hydrant to allow for draining of the tank?	☑	☐	☐	☐
Tank Maintenance	**Yes**	**No**	**Unknown**	**NA**
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☑	☐	☐	☐
Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	☑	☐	☐	☐

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:*** 2 times per year	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☑	☐	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☑	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☑	☐	☐	☐
Are all valves exercised and lubricated periodically?	☑	☐	☐	☐
Is the system free of severe "water hammer" problems?	☑	☐	☐	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☑	☐	☐	☐
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** 10 %	☑	☐	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 60 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☑	☐	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☑	☐	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☑	☐	☐	☐

Are any inspections for cross-connections performed?	☑	☐	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☑	☐	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☑	☐	☐	☐
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** 80%	☑	☐	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☑	☐	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☑	☐	☐	☐
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** 3 ***Most common complaint:*** Class II	☑	☐	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☑	☐	☐	☐

The Management Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** Class II	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance? ***If yes, who*** CRWS	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☑	☐	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☑	☐	☐	☐
Is someone responsible for scheduling work?	☐	☐	☐	☐
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☑	☐	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☑	☐	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☑	☐	☐	☐
Do you have standard construction specifications to be followed?	☑	☐	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☑	☐	☐	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** 10 years	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☐	☑	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☑	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☑	☐	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☑	☐	☐
Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	☑	☐	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☑	☐	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** City Administrator	☑	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☑	☐	☐	☐
Do you have written operating procedures for both routine and emergency system operations?	☐	☑	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☑	☐	☐	☐
Does the system work with customers to promote their awareness of security?	☐	☑	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☑	☐	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☑	☐	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☑	☐	☐	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	☑	☐	☐	☐

The Financial Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**	**NA**
Does your system develop and follow an annual budget that is approved by the governing body?	✓			
Does the governing body review a monthly summary of revenues and expenses of the utility system?	✓			
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** _____	✓			
Does the system have reserve funds available in the event of an emergency?	✓			
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	✓			
Do you have a process for scheduling and committing to capital projects?	✓			
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	✓			
Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?		✓		
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** Every year	✓			
Do you have a plan in place for periodic increases in rates?	✓			
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** _____ (i.e. $22 minimum plus $2.50/1000 gallons)	✓			
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***: excess of 2,000 gallons, pay per 500 gallons	✓			
Does the rate structure assure proportionality among users?	✓			
Do you have procedures for billing and collection?	✓			
Is your billing collection rate greater than 95%?	✓			
Do you have collection procedures specifically for delinquent accounts?	✓			

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☑	☐	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☑	☐	☐	☐
Does your water utility support other enterprise funds or the general fund?	☑	☐	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☐	☑	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☑	☐	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☐	☐	☐	☐
Are there purchasing procedures?	☑	☐	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☑	☐	☐	☐

Financial Spreadsheet

Applicant: City of Elk Point
Completed by: Melissa Gibson
Date: 3/28/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2015	2016	2017	2018	2019
1. Beginning Cash on Hand	$363,256	$510,326	$569,396	$612,711	$652,426
2. Cash Receipts:					
a. Unmetered Water Revenue					
b. Metered Water Revenue	$442,457	$410,000	$410,000	$410,000	$410,000
c. Other Water Revenue		$29,000	$29,000	$29,000	$29,000
d. Total Water Revenues (2a through 2c)	$442,457	$439,000	$439,000	$439,000	$439,000
e. Connection Fees		$1,000	$1,000	$1,000	$1,000
f. Interest and Dividend Income		$10	$10	$10	$10
g. Other Income					
h. Total Cash Revenues (2d through 2g)	$442,457	$440,010	$440,010	$440,010	$440,010
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash					
Please specify					
3. Total Cash Receipts (2h through 2j)	$442,457	$440,010	$440,010	$440,010	$440,010
4. Total Cash Available (1+3)	$805,713	$950,336	$1,009,406	$1,052,721	$1,092,436
5. Operating Expenses					
a. Salaries and wages	$92,379	$85,000	$87,600	$90,200	$93,000
b. Employee Pensions and Benefits		$31,010	$31,900	$32,900	$33,900
c. Purchased Water					
d. Purchased Power		$48,500			
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies		$50,950	$50,000	$50,000	$50,000
h. Engineering Services		$25,000			
i. Contractual Services – Other		$1,000	$50,000	$50,000	$50,000
j. Equip. Rent/Real Property		$10,500	$10,500	$10,500	$10,500
k. Transportation Expenses		$4,000	$4,000	$4,000	$4,000
l. Laboratory					
m. Insurance					
n. Regulatory Commission Expenses		$1,200	$1,200	$1,200	$1,200
o. Advertising		$750	$750	$750	$750
p. Miscellaneous	$203,009	$600	$600	$600	$600
q. Total Cash O&M Expenses (5a through 5p)	$295,387	$258,510	$236,550	$240,150	$243,950
r. Replacement Expenditures					
s. Total OM&R Expenditures (5q+5r)	$295,387	$258,510	$236,550	$240,150	$243,950
t. Loan Principal/Capital Lease Payments		$83,150	$97,607	$97,607	$97,607
u. Loan Interest Payments		$39,280	$62,538	$62,538	$62,538
v. Transfers Out					
w. Capital Purchases (specify):					
x. Other					
6. Total Cash Paid Out (5s through 5x)	$295,387	$380,940	$396,695	$400,295	$404,095
7. Ending Cash Position (4 - 6)	$510,326	$569,396	$612,711	$652,426	$688,341

Financial Spreadsheet

Applicant: City of Elk Point
Completed by: Melissa Gibson
Date: 3/28/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	2,154	2,154	2,154	2,154	2,154
9. Avg Annual User Charge Account (2d/8)	$205.41	$203.81	$203.81	$203.81	$203.81
10. Coverage Ratio (2h-5s)/(5t+5u)	0.00	1.48	1.27	1.25	1.22
11. Operating Ratio (2d/5s)	1.50	1.70	1.86	1.83	1.80
12. Total Restricted Cash Balances					
a. Debt Service Reserve	$122,430	$122,430	$122,430	$122,430	$122,430
b. Bond Retirement Reserve					
c. Capital Improvement Reserve					
d. Replacement Reserve		$20,000	$20,000	$20,000	$20,000
e. Other					
13. Restricted Cash Balance (12a through 12e)	$122,430	$142,430	$142,430	$142,430	$142,430
14. Unrestricted Cash Balance (7 – 13)	$387,896	$426,966	$470,281	$509,996	$545,911

Section 2. Water Rates: 2015

A. Multiple Family Dwellings and Licensed Manufactured Home Parks. (A multiple family dwelling is defined as a building designed for or occupied exclusively by three (3) or more families.) All water sold or furnished by the City of Elk Point to each unit in a multiple family dwelling and each home in a licensed manufactured home park shall be charged according to the following schedule:

(i) Minimum Charge: Each dwelling unit or manufactured home shall be charged $22.13 per month which includes up to 2,000 gallons of water used. A dwelling unit is defined as one or more rooms in a dwelling occupied or intended to be occupied as a separate living quarters by a single family.

(ii) Usage Charge: For water usage in excess of the 2,000 gallons per month minimum, a charge of $1.71 per each 500 gallons of water used (or fraction thereof) will be added to the minimum monthly charge.

These rates apply for any size meter in this type of unit.

B. All Other Users With Meters Less Than One Inch in Size. All water sold or furnished by the City of Elk Point through meters less than one inch in size whether residential, excluding multiple family dwellings and licensed manufactured home parks covered by Section 2(A), business, commercial or industrial, shall be charged according to the following schedule:

(i) Minimum Charge: Each individual metered customer shall be charged $22.13 per month which includes up to 2,000 gallons of water used.

(ii) Usage Charge: For water usage in excess of the 2,000 gallons per month minimum, a charge of $1.71 per each 500 gallons of water used (or fraction thereof) will be added to the minimum monthly charge.

C. Users with meters equal to or greater than one inch in size. All water sold or furnished by the City of Elk Point through meters equal to or greater than one inch in

size whether residential, business, commercial or industrial, each shall pay the City according to the following schedule:

Gallons Per Month	Meter Size	Charge Per Month	Excess Per 500 Gallons
0-2000	1 inch	$23.52	$1.71
0-2000	1 ½ inch	$43.22	$1.71
0-2000	2 inch	$67.28	$1.71
0-2000	3 inch	$129.08	$1.71
0-2000	4 inch	$200.54	$1.71

D. Bulk Water: For all water sold or furnished by the City of Elk Point by bulk gallons for whatever purpose, each individual customer shall pay the city according to the following schedule:

(i) Minimum Charge: A purchaser of bulk water will be charged a minimum of $30.62 which includes up to 2,000 gallons of water.

(ii) Usage Charge A purchaser of bulk water will be charged $3.20 per 500 gallons (or fraction thereof) of water purchased in excess of the 2,000 gallons included in the minimum charge.

E. Users without Meters or Inoperative Meters. Customers whose water usage is not metered and the volume of water used cannot be measured shall be charged the minimum of $23.52 per unit per month until the volume can be measured.

Drinking Water Fund Debt

Date of Original Issue	Name of Issue	Interest Rate	Annual Service	Balance 1/1/2016	Principal Balance 2/26/2016	Annual Approp Leases	Maturity Date	Debt Holder
06/03/02	**Series 2002 - $220,000 Water System SRF loan-financed by Water Fund** **Pearl Street project** **Final payment - January 2023**	3.50%	$ 15,342	$ 85,788	$ 82,703		1/1/2023	First National Bank
08/16/04	**Series 2004 - $570,000 Water System - SRF loan** **Water Treatment Plant Improvements, Phase II** **Finance by Water Fund, Final payment - July 2026**	3.25%	$ 38,927	$ 351,993	$ 345,121		7/1/2026	First National Bank
09/27/06	**Series 2006 - $218,000 Water System SRF Loan** **Westside lift station & water project-financed by Water Fund** **Final payment - 2028**	3.25%	$ 7,898	$ 82,174	$ 77,867		7/1/2028	First National Bank
8/1/2008	**Series 2008 $564,000 Water System Revenue Bond - SRF loan** Clay and Washington Street Project/AMR Final payment 2028	3.25%	$ 36,787	$ 435,367	$ 429,708		10/1/2030	First National Bank
9/10/2009	**Series 2009 $1,179,500 Water System Revenue Bond** Main Street Project, 56% Principal Forgiveness Amount loaned $798,040; Principal forgiveness of $44 amount to repay $351,138	3.00%	$ 23,411	$ 347,919	$ 285,525	$ 281,814	1/1/2031	First National Bank

AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$220,000.00		01-15-2023					

References in the shaded area are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: City of Elk Point – Drinking Water # 1
PO Box 280
Elk Point , SD 57025-0280

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
AS TRUSTEE FOR SOUTH DAKOTA DEPARTMENT
OF ENVIRONMENT AND NATURAL RESOURCES
PIERRE, SD 57501

Disbursement Date:
Interest Rate: 3.500

Water

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

602-43300-44200 602-43300-44100

Payment Number	Payment Date	Payment Amount	Interest Paid **	Principal Paid	Remaining Balance
1	04-15-2003 pd	3,835.42	1,925.00	1,910.42	218,089.58
2	07-15-2003	3,835.42	1,908.28	1,927.14	216,162.44
3	10-15-2003 pd 10-9-03	3,835.42	1,891.42	1,944.00	214,218.44
2003 TOTALS:		**11,506.26**	**5,724.70**	**5,781.56**	
4	01-15-2004 pd	3,835.42	1,874.41	1,961.01	212,257.43
5	04-15-2004 pd	3,835.42	1,857.25	1,978.17	210,279.26
6	07-15-2004 pd	3,835.42	1,839.95	1,995.47	208,283.79
7	10-15-2004 pd	3,835.42	1,822.48	2,012.94	206,270.85
2004 TOTALS:		**15,341.68**	**7,394.09**	**7,947.59**	
8	01-15-2005 pd	3,835.42	1,804.87	2,030.55	204,240.30
9	04-15-2005 pd	3,835.42	1,787.10	2,048.32	202,191.98
10	07-15-2005 pd	3,835.42	1,769.18	2,066.24	200,125.74
11	10-15-2005 pd	3,835.42	1,751.10	2,084.32	198,041.42
2005 TOTALS:		**15,341.68**	**7,112.25**	**8,229.43**	
12	01-15-2006 pd.	3,835.42	1,732.87	2,102.55	195,938.87
13	04-15-2006 pd	3,835.42	1,714.46	2,120.96	193,817.91
14	07-15-2006 pd	3,835.42	1,695.91	2,139.51	191,678.40
15	10-15-2006 pd.	3,835.42	1,677.18	2,158.24	189,520.16
2006 TOTALS:		**15,341.68**	**6,820.42**	**8,521.26**	
16	01-15-2007 pd.	3,835.42	1,658.30	2,177.12	187,343.04
17	04-15-2007 pd	3,835.42	1,639.26	2,196.16	185,146.88
18	07-15-2007 pd	3,835.42	1,620.03	2,215.39	182,931.49
19	10-15-2007 pd.	3,835.42	1,600.65	2,234.77	180,696.72
2007 TOTALS:		**15,341.68**	**6,518.24**	**8,823.44**	
20	01-15-2008 pd.	3,835.42	1,581.10	2,254.32	178,442.40
21	04-15-2008 pd	3,835.42	1,561.37	2,274.05	176,168.35
22	07-15-2008	3,835.42	1,541.47	2,293.95	173,874.40
23	10-15-2008	3,835.42	1,521.40	2,314.02	171,560.38
2008 TOTALS:		**15,341.68**	**6,205.34**	**9,136.34**	
24	01-15-2009 pd.	3,835.42	1,501.16	2,334.26	169,226.12
25	04-15-2009 pd	3,835.42	1,480.73	2,354.69	166,871.43
26	07-15-2009 pd	3,835.42	1,460.12	2,375.30	164,496.13
27	10-15-2009 pd	3,835.42	1,439.34	2,396.08	162,100.05
2009 TOTALS:		**15,341.68**	**5,881.35**	**9,460.33**	
28	01-15-2010 pd	3,835.42	1,418.38	2,417.04	159,683.01
29	04-15-2010 pd	3,835.42	1,397.22	2,438.20	157,244.81
30	07-15-2010 pd	3,835.42	1,375.90	2,459.52	154,785.29
31	10-15-2010 pd	3,835.42	1,354.37	2,481.05	152,304.24
2010 TOTALS:		**15,341.68**	**5,545.87**	**9,795.81**	
32	01-15-2011	3,835.42	1,332.66	2,502.76	149,801.48
33	04-15-2011 pd	3,835.42	1,310.76	2,524.66	147,276.82
34	07-15-2011	3,835.42	1,288.67	2,546.75	144,730.07
35	10-15-2011	3,835.42	1,266.39	2,569.03	142,161.04
2011 TOTALS:		**15,341.68**	**5,198.48**	**10,143.20**	
36	01-15-2012	3,835.42	1,243.91	2,591.51	139,569.53
37	04-15-2012 pd	3,835.42	1,221.23	2,614.19	136,955.34
38	07-15-2012	3,835.42	1,198.36	2,637.06	134,318.28
39	10-15-2012	3,835.42	1,175.29	2,660.13	131,658.15

** INTEREST PAID also includes Administrative Surcharge amounts

AMORTIZATION SCHEDULE
(Continued)

2012 TOTALS:		**15,341.68**	**4,838.79**	**10,502.89**	
40	01-15-2013	3,835.42	1,152.01	2,683.41	128,974.74
41	04-15-2013	3,835.42	1,128.53	2,706.89	126,267.85
42	07-15-2013	3,835.42	1,104.84	2,730.58	123,537.27
43	10-15-2013	3,835.42	1,080.95	2,754.47	120,782.80
2013 TOTALS:		**15,341.68**	**4,466.33**	**10,875.35**	
44	01-15-2014	3,835.42	1,056.85	2,778.57	118,004.23
45	04-15-2014	3,835.42	1,032.54	2,802.88	115,201.35
46	07-15-2014	3,835.42	1,008.01	2,827.41	112,373.94
47	10-15-2014	3,835.42	983.27	2,852.15	109,521.79
2014 TOTALS:		**15,341.68**	**4,080.67**	**11,261.01**	
48	01-15-2015	3,835.42	958.32	2,877.10	106,644.69
49	04-15-2015	3,835.42	933.14	2,902.28	103,742.41
50	07-15-2015	3,835.42	907.74	2,927.68	100,814.73
51	10-15-2015	3,835.42	882.13	2,953.29	97,861.44
2015 TOTALS:		**15,341.68**	**3,681.33**	**11,660.35**	
52	01-15-2016	3,835.42	856.29	2,979.13	94,882.31
53	04-15-2016	3,835.42	830.22	3,005.20	91,877.11
54	07-15-2016	3,835.42	803.93	3,031.49	88,845.62
55	10-15-2016	3,835.42	777.40	3,058.02	85,787.60
2016 TOTALS:		**15,341.68**	**3,267.84**	**12,073.84**	
56	01-15-2017	3,835.42	750.64	3,084.78	82,702.82
57	04-15-2017	3,835.42	723.65	3,111.77	79,591.05
58	07-15-2017	3,835.42	696.42	3,139.00	76,452.05
59	10-15-2017	3,835.42	668.95	3,166.47	73,285.58
2017 TOTALS:		**15,341.68**	**2,839.66**	**12,502.02**	
60	01-15-2018	3,835.42	641.25	3,194.17	70,091.41
61	04-15-2018	3,835.42	613.30	3,222.12	66,869.29
62	07-15-2018	3,835.42	585.11	3,250.31	63,618.98
63	10-15-2018	3,835.42	556.66	3,278.76	60,340.22
2018 TOTALS:		**15,341.68**	**2,396.32**	**12,945.36**	
64	01-15-2019	3,835.42	527.98	3,307.44	57,032.78
65	04-15-2019	3,835.42	499.04	3,336.38	53,696.40
66	07-15-2019	3,835.42	469.84	3,365.58	50,330.82
67	10-15-2019	3,835.42	440.40	3,395.02	46,935.80
2019 TOTALS:		**15,341.68**	**1,937.26**	**13,404.42**	
68	01-15-2020	3,835.42	410.68	3,424.74	43,511.06
69	04-15-2020	3,835.42	380.73	3,454.69	40,056.37
70	07-15-2020	3,835.42	350.49	3,484.93	36,571.44
71	10-15-2020	3,835.42	320.00	3,515.42	33,056.02
2020 TOTALS:		**15,341.68**	**1,461.90**	**13,879.78**	
72	01-15-2021	3,835.42	289.24	3,546.18	29,509.84
73	04-15-2021	3,835.42	258.21	3,577.21	25,932.63
74	07-15-2021	3,835.42	226.91	3,608.51	22,324.12
75	10-15-2021	3,835.42	195.34	3,640.08	18,684.04
2021 TOTALS:		**15,341.68**	**969.70**	**14,371.98**	
76	01-15-2022	3,835.42	163.48	3,671.94	15,012.10
77	04-15-2022	3,835.42	131.36	3,704.06	11,308.04
78	07-15-2022	3,835.42	98.94	3,736.48	7,571.56
79	10-15-2022	3,835.42	66.26	3,769.16	3,802.40
2022 TOTALS:		**15,341.68**	**460.04**	**14,881.64**	
80	01-15-2023	3,835.42	33.02	3,802.40	0.00
2023 TOTALS:		**3,835.42**	**33.02**	**3,802.40**	
TOTALS:		**306,833.60**	**86,833.60**	**220,000.00**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$555,426.15		07-15-2026					

References in the shaded area are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: City of Elk Point- Drinking Water #2
PO Box 280
Elk Point, SD 57025-0280

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
AS TRUSTEE FOR SOUTH DAKOTA DEPARTMENT
OF ENVIRONMENT AND NATURAL RESOURCES
PIERRE, SD 57501

Disbursement Date:
Interest Rate: 3.250

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest Paid **	Principal Paid	Remaining Balance
1	07-15-2007 pd.	9,731.84	4,512.83	5,219.01	550,207.14
2	10-15-2007 pd.	9,731.84	4,470.44	5,261.40	544,945.74
2007 TOTALS:		**19,463.68**	**8,983.27**	**10,480.41**	
3	01-15-2008 pd.	9,731.84	4,427.68	5,304.16	539,641.58
4	04-15-2008 pd	9,731.84	4,384.59	5,347.25	534,294.33
5	07-15-2008 pd	9,731.84	4,341.14	5,390.70	528,903.63
6	10-15-2008 pd	9,731.84	4,297.34	5,434.50	523,469.13
2008 TOTALS:		**38,927.36**	**17,450.75**	**21,476.61**	
7	01-15-2009 pd	9,731.84	4,253.19	5,478.65	517,990.48
8	04-15-2009 pd	9,731.84	4,208.67	5,523.17	512,467.31
9	07-15-2009 pd	9,731.84	4,163.80	5,568.04	506,899.27
10	10-15-2009 pd	9,731.84	4,118.55	5,613.29	501,285.98
2009 TOTALS:		**38,927.36**	**16,744.21**	**22,183.15**	
11	01-15-2010 pd	9,731.84	4,072.95	5,658.89	495,627.09
12	04-15-2010 pd	9,731.84	4,026.97	5,704.87	489,922.22
13	07-15-2010 pd	9,731.84	3,980.62	5,751.22	484,171.00
14	10-15-2010 pd.	9,731.84	3,933.89	5,797.95	478,373.05
2010 TOTALS:		**38,927.36**	**16,014.43**	**22,912.93**	
15	01-15-2011	9,731.84	3,886.78	5,845.06	472,527.99
16	04-15-2011 pd	9,731.84	3,839.29	5,892.55	466,635.44
17	07-15-2011	9,731.84	3,791.41	5,940.43	460,695.01
18	10-15-2011	9,731.84	3,743.15	5,988.69	454,706.32
2011 TOTALS:		**38,927.36**	**15,260.63**	**23,666.73**	
19	01-15-2012	9,731.84	3,694.49	6,037.35	448,668.97
20	04-15-2012 pd	9,731.84	3,645.43	6,086.41	442,582.56
21	07-15-2012	9,731.84	3,595.99	6,135.85	436,446.71
22	10-15-2012	9,731.84	3,546.13	6,185.71	430,261.00
2012 TOTALS:		**38,927.36**	**14,482.04**	**24,445.32**	
23	01-15-2013	9,731.84	3,495.87	6,235.97	424,025.03
24	04-15-2013 pd	9,731.84	3,445.20	6,286.64	417,738.39
25	07-15-2013	9,731.84	3,394.13	6,337.71	411,400.68
26	10-15-2013	9,731.84	3,342.63	6,389.21	405,011.47
2013 TOTALS:		**38,927.36**	**13,677.83**	**25,249.53**	
27	01-15-2014	9,731.84	3,290.71	6,441.13	398,570.34
28	04-15-2014 pd	9,731.84	3,238.39	6,493.45	392,076.89
29	07-15-2014	9,731.84	3,185.62	6,546.22	385,530.67
30	10-15-2014	9,731.84	3,132.44	6,599.40	378,931.27
2014 TOTALS:		**38,927.36**	**12,847.16**	**26,080.20**	
31	01-15-2015	9,731.84	3,078.82	6,653.02	372,278.25
32	04-15-2015 pd	9,731.84	3,024.76	6,707.08	365,571.17
33	07-15-2015	9,731.84	2,970.26	6,761.58	358,809.59
34	10-15-2015	9,731.84	2,915.33	6,816.51	351,993.08
2015 TOTALS:		**38,927.36**	**11,989.17**	**26,938.19**	
35	01-15-2016	9,731.84	2,859.95	6,871.89	345,121.19
36	04-15-2016	9,731.84	2,804.10	6,927.74	338,193.45
37	07-15-2016	9,731.84	2,747.83	6,984.01	331,209.44
38	10-15-2016	9,731.84	2,691.07	7,040.77	324,168.67

** INTEREST PAID also includes Admin Surcharge amounts.

AMORTIZATION SCHEDULE
(Continued)

2016 TOTALS:		**38,927.36**	**11,102.95**	**27,824.41**	
39	01–15–2017	9,731.84	2,633.87	7,097.97	317,070.70
40	04–15–2017	9,731.84	2,576.20	7,155.64	309,915.06
41	07–15–2017	9,731.84	2,518.06	7,213.78	302,701.28
42	10–15–2017	9,731.84	2,459.45	7,272.39	295,428.89
2017 TOTALS:		**38,927.36**	**10,187.58**	**28,739.78**	
43	01–15–2018	9,731.84	2,400.36	7,331.48	288,097.41
44	04–15–2018	9,731.84	2,340.79	7,391.05	280,706.36
45	07–15–2018	9,731.84	2,280.74	7,451.10	273,255.26
46	10–15–2018	9,731.84	2,220.20	7,511.64	265,743.62
2018 TOTALS:		**38,927.36**	**9,242.09**	**29,685.27**	
47	01–15–2019	9,731.84	2,159.17	7,572.67	258,170.95
48	04–15–2019	9,731.84	2,097.64	7,634.20	250,536.75
49	07–15–2019	9,731.84	2,035.61	7,696.23	242,840.52
50	10–15–2019	9,731.84	1,973.08	7,758.76	235,081.76
2019 TOTALS:		**38,927.36**	**8,265.50**	**30,661.86**	
51	01–15–2020	9,731.84	1,910.04	7,821.80	227,259.96
52	04–15–2020	9,731.84	1,846.48	7,885.36	219,374.60
53	07–15–2020	9,731.84	1,782.42	7,949.42	211,425.18
54	10–15–2020	9,731.84	1,717.83	8,014.01	203,411.17
2020 TOTALS:		**38,927.36**	**7,256.77**	**31,670.59**	
55	01–15–2021	9,731.84	1,652.72	8,079.12	195,332.05
56	04–15–2021	9,731.84	1,587.07	8,144.77	187,187.28
57	07–15–2021	9,731.84	1,520.90	8,210.94	178,976.34
58	10–15–2021	9,731.84	1,454.18	8,277.66	170,698.68
2021 TOTALS:		**38,927.36**	**6,214.87**	**32,712.49**	
59	01–15–2022	9,731.84	1,386.93	8,344.91	162,353.77
60	04–15–2022	9,731.84	1,319.12	8,412.72	153,941.05
61	07–15–2022	9,731.84	1,250.77	8,481.07	145,459.98
62	10–15–2022	9,731.84	1,181.86	8,549.98	136,910.00
2022 TOTALS:		**38,927.36**	**5,138.68**	**33,788.68**	
63	01–15–2023	9,731.84	1,112.40	8,619.44	128,290.56
64	04–15–2023	9,731.84	1,042.36	8,689.48	119,601.08
65	07–15–2023	9,731.84	971.76	8,760.08	110,841.00
66	10–15–2023	9,731.84	900.58	8,831.26	102,009.74
2023 TOTALS:		**38,927.36**	**4,027.10**	**34,900.26**	
67	01–15–2024	9,731.84	828.83	8,903.01	93,106.73
68	04–15–2024	9,731.84	756.49	8,975.35	84,131.38
69	07–15–2024	9,731.84	683.57	9,048.27	75,083.11
70	10–15–2024	9,731.84	610.05	9,121.79	65,961.32
2024 TOTALS:		**38,927.36**	**2,878.94**	**36,048.42**	
71	01–15–2025	9,731.84	535.93	9,195.91	56,765.41
72	04–15–2025	9,731.84	461.22	9,270.62	47,494.79
73	07–15–2025	9,731.84	385.90	9,345.94	38,148.85
74	10–15–2025	9,731.84	309.96	9,421.88	28,726.97
2025 TOTALS:		**38,927.36**	**1,693.01**	**37,234.35**	
75	01–15–2026	9,731.84	233.41	9,498.43	19,228.54
76	04–15–2026	9,731.84	156.23	9,575.61	9,652.93
77	07–15–2026	9,731.84	78.91	9,652.93	0.00
2026 TOTALS:		**29,195.52**	**468.55**	**28,726.97**	
TOTALS:		**749,351.68**	**193,925.53**	**555,426.15**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$105,096.34		07-15-2028					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: Elk Point Drinking Water #3

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
/SD DENR
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PIERRE, SD

Disbursement Date:
Interest Rate: 3.250

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest Paid **	Principal Paid	Remaining Balance
1	04-15-2011	1,974.52	853.90	1,120.62	103,975.72
2	07-15-2011	1,974.52	844.81	1,129.71	102,846.01
3	10-15-2011	1,974.52	835.62	1,138.90	101,707.11
2011 TOTALS:		**5,923.56**	**2,534.33**	**3,389.23**	
4	01-15-2012	1,974.52	826.37	1,148.15	100,558.96
5	04-15-2012	1,974.52	817.04	1,157.48	99,401.48
6	07-15-2012	1,974.52	807.64	1,166.88	98,234.60
7	10-15-2012	1,974.52	798.15	1,176.37	97,058.23
2012 TOTALS:		**7,898.08**	**3,249.20**	**4,648.88**	
8	01-15-2013	1,974.52	788.60	1,185.92	95,872.31
9	04-15-2013	1,974.52	778.96	1,195.56	94,676.75
10	07-15-2013	1,974.52	769.25	1,205.27	93,471.48
11	10-15-2013	1,974.52	759.46	1,215.06	92,256.42
2013 TOTALS:		**7,898.08**	**3,096.27**	**4,801.81**	
12	01-15-2014	1,974.52	749.58	1,224.94	91,031.48
13	04-15-2014	1,974.52	739.63	1,234.89	89,796.59
14	07-15-2014	1,974.52	729.60	1,244.92	88,551.67
15	10-15-2014	1,974.52	719.48	1,255.04	87,296.63
2014 TOTALS:		**7,898.08**	**2,938.29**	**4,959.79**	
16	01-15-2015	1,974.52	709.29	1,265.23	86,031.40
17	04-15-2015	1,974.52	699.00	1,275.52	84,755.88
18	07-15-2015	1,974.52	688.64	1,285.88	83,470.00
19	10-15-2015	1,974.52	678.20	1,296.32	82,173.68
2015 TOTALS:		**7,898.08**	**2,775.13**	**5,122.95**	
20	01-15-2016	1,974.52	667.66	1,306.86	80,866.82
21	04-15-2016	1,974.52	657.04	1,317.48	79,549.34
22	07-15-2016	1,974.52	646.34	1,328.18	78,221.16
23	10-15-2016	1,974.52	635.55	1,338.97	76,882.19
2016 TOTALS:		**7,898.08**	**2,606.59**	**5,291.49**	
24	01-15-2017	1,974.52	624.67	1,349.85	75,532.34
25	04-15-2017	1,974.52	613.70	1,360.82	74,171.52
26	07-15-2017	1,974.52	602.64	1,371.88	72,799.64
27	10-15-2017	1,974.52	591.50	1,383.02	71,416.62
2017 TOTALS:		**7,898.08**	**2,432.51**	**5,465.57**	
28	01-15-2018	1,974.52	580.26	1,394.26	70,022.36
29	04-15-2018	1,974.52	568.93	1,405.59	68,616.77
30	07-15-2018	1,974.52	557.51	1,417.01	67,199.76
31	10-15-2018	1,974.52	546.00	1,428.52	65,771.24
2018 TOTALS:		**7,898.08**	**2,252.70**	**5,645.38**	
32	01-15-2019	1,974.52	534.39	1,440.13	64,331.11
33	04-15-2019	1,974.52	522.69	1,451.83	62,879.28
34	07-15-2019	1,974.52	510.89	1,463.63	61,415.65
35	10-15-2019	1,974.52	499.01	1,475.51	59,940.14
2019 TOTALS:		**7,898.08**	**2,066.98**	**5,831.10**	
36	01-15-2020	1,974.52	487.01	1,487.51	58,452.63
37	04-15-2020	1,974.52	474.93	1,499.59	56,953.04
38	07-15-2020	1,974.52	462.74	1,511.78	55,441.26

** INTEREST PAID also includes Admin Surcharge amounts

AMORTIZATION SCHEDULE
(Continued)

39	10-15-2020	1,974.52	450.46	1,524.06	53,917.20
2020 TOTALS:		**7,898.08**	**1,875.14**	**6,022.94**	
40	01-15-2021	1,974.52	438.08	1,536.44	52,380.76
41	04-15-2021	1,974.52	425.59	1,548.93	50,831.83
42	07-15-2021	1,974.52	413.01	1,561.51	49,270.32
43	10-15-2021	1,974.52	400.32	1,574.20	47,696.12
2021 TOTALS:		**7,898.08**	**1,677.00**	**6,221.08**	
44	01-15-2022	1,974.52	387.53	1,586.99	46,109.13
45	04-15-2022	1,974.52	374.64	1,599.88	44,509.25
46	07-15-2022	1,974.52	361.64	1,612.88	42,896.37
47	10-15-2022	1,974.52	348.53	1,625.99	41,270.38
2022 TOTALS:		**7,898.08**	**1,472.34**	**6,425.74**	
48	01-15-2023	1,974.52	335.32	1,639.20	39,631.18
49	04-15-2023	1,974.52	322.00	1,652.52	37,978.66
50	07-15-2023	1,974.52	308.58	1,665.94	36,312.72
51	10-15-2023	1,974.52	295.04	1,679.48	34,633.24
2023 TOTALS:		**7,898.08**	**1,260.94**	**6,637.14**	
52	01-15-2024	1,974.52	281.40	1,693.12	32,940.12
53	04-15-2024	1,974.52	267.64	1,706.88	31,233.24
54	07-15-2024	1,974.52	253.77	1,720.75	29,512.49
55	10-15-2024	1,974.52	239.79	1,734.73	27,777.76
2024 TOTALS:		**7,898.08**	**1,042.60**	**6,855.48**	
56	01-15-2025	1,974.52	225.69	1,748.83	26,028.93
57	04-15-2025	1,974.52	211.48	1,763.04	24,265.89
58	07-15-2025	1,974.52	197.16	1,777.36	22,488.53
59	10-15-2025	1,974.52	182.72	1,791.80	20,696.73
2025 TOTALS:		**7,898.08**	**817.05**	**7,081.03**	
60	01-15-2026	1,974.52	168.16	1,806.36	18,890.37
61	04-15-2026	1,974.52	153.49	1,821.03	17,069.34
62	07-15-2026	1,974.52	138.69	1,835.83	15,233.51
63	10-15-2026	1,974.52	123.77	1,850.75	13,382.76
2026 TOTALS:		**7,898.08**	**584.11**	**7,313.97**	
64	01-15-2027	1,974.52	108.73	1,865.79	11,516.97
65	04-15-2027	1,974.52	93.58	1,880.94	9,636.03
66	07-15-2027	1,974.52	78.29	1,896.23	7,739.80
67	10-15-2027	1,974.52	62.89	1,911.63	5,828.17
2027 TOTALS:		**7,898.08**	**343.49**	**7,554.59**	
68	01-15-2028	1,974.52	47.35	1,927.17	3,901.00
69	04-15-2028	1,974.52	31.70	1,942.82	1,958.18
70	07-15-2028	1,974.52	16.34	1,958.18	0.00
2028 TOTALS:		**5,923.56**	**95.39**	**5,828.17**	
TOTALS:		**138,216.40**	**33,120.06**	**105,096.34**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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AMORTIZATION SCHEDULE

Clay + Union Strut + AMR

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$539,449.00		10-15-2030					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: Elk Point- Drinking Water #4

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
/SD DENR
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PIERRE, SD

Disbursement Date:
Interest Rate: 3.250

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest Paid **	Principal Paid	Remaining Balance
1	01-15-2011	9,196.80	4,383.02	4,813.78	534,635.22
2	04-15-2011	9,196.80	4,343.91	4,852.89	529,782.33
3	07-15-2011	9,196.80	4,304.48	4,892.32	524,890.01
4	10-15-2011	9,196.80	4,264.73	4,932.07	519,957.94
2011 TOTALS:		**36,787.20**	**17,296.14**	**19,491.06**	
5	01-15-2012	9,196.80	4,224.66	4,972.14	514,985.80
6	04-15-2012	9,196.80	4,184.26	5,012.54	509,973.26
7	07-15-2012	9,196.80	4,143.53	5,053.27	504,919.99
8	10-15-2012	9,196.80	4,102.48	5,094.32	499,825.67
2012 TOTALS:		**36,787.20**	**16,654.93**	**20,132.27**	
9	01-15-2013	9,196.80	4,061.08	5,135.72	494,689.95
10	04-15-2013	9,196.80	4,019.36	5,177.44	489,512.51
11	07-15-2013	9,196.80	3,977.29	5,219.51	484,293.00
12	10-15-2013	9,196.80	3,934.88	5,261.92	479,031.08
2013 TOTALS:		**36,787.20**	**15,992.61**	**20,794.59**	
13	01-15-2014	9,196.80	3,892.12	5,304.68	473,726.40
14	04-15-2014	9,196.80	3,849.03	5,347.77	468,378.63
15	07-15-2014	9,196.80	3,805.58	5,391.22	462,987.41
16	10-15-2014	9,196.80	3,761.77	5,435.03	457,552.38
2014 TOTALS:		**36,787.20**	**15,308.50**	**21,478.70**	
17	01-15-2015	9,196.80	3,717.61	5,479.19	452,073.19
18	04-15-2015	9,196.80	3,673.10	5,523.70	446,549.49
19	07-15-2015	9,196.80	3,628.21	5,568.59	440,980.90
20	10-15-2015	9,196.80	3,582.97	5,613.83	435,367.07
2015 TOTALS:		**36,787.20**	**14,601.89**	**22,185.31**	
21	01-15-2016	9,196.80	3,537.36	5,659.44	429,707.63
22	04-15-2016	9,196.80	3,491.37	5,705.43	424,002.20
23	07-15-2016	9,196.80	3,445.02	5,751.78	418,250.42
24	10-15-2016	9,196.80	3,398.29	5,798.51	412,451.91
2016 TOTALS:		**36,787.20**	**13,872.04**	**22,915.16**	
25	01-15-2017	9,196.80	3,351.17	5,845.63	406,606.28
26	04-15-2017	9,196.80	3,303.67	5,893.13	400,713.15
27	07-15-2017	9,196.80	3,255.80	5,941.00	394,772.15
28	10-15-2017	9,196.80	3,207.52	5,989.28	388,782.87
2017 TOTALS:		**36,787.20**	**13,118.16**	**23,669.04**	
29	01-15-2018	9,196.80	3,158.86	6,037.94	382,744.93
30	04-15-2018	9,196.80	3,109.81	6,086.99	376,657.94
31	07-15-2018	9,196.80	3,060.34	6,136.46	370,521.48
32	10-15-2018	9,196.80	3,010.49	6,186.31	364,335.17
2018 TOTALS:		**36,787.20**	**12,339.50**	**24,447.70**	
33	01-15-2019	9,196.80	2,960.22	6,236.58	358,098.59
34	04-15-2019	9,196.80	2,909.55	6,287.25	351,811.34
35	07-15-2019	9,196.80	2,858.47	6,338.33	345,473.01
36	10-15-2019	9,196.80	2,806.97	6,389.83	339,083.18
2019 TOTALS:		**36,787.20**	**11,535.21**	**25,251.99**	
37	01-15-2020	9,196.80	2,755.05	6,441.75	332,641.43
38	04-15-2020	9,196.80	2,702.71	6,494.09	326,147.34

** INTEREST PAID also includes Admin Surcharge amounts

AMORTIZATION SCHEDULE
(Continued)

39	07-15-2020	9,196.80	2,649.95	6,546.85	319,600.49
40	10-15-2020	9,196.80	2,596.75	6,600.05	313,000.44
2020 TOTALS:		**36,787.20**	**10,704.46**	**26,082.74**	
41	01-15-2021	9,196.80	2,543.13	6,653.67	306,346.77
42	04-15-2021	9,196.80	2,489.07	6,707.73	299,639.04
43	07-15-2021	9,196.80	2,434.57	6,762.23	292,876.81
44	10-15-2021	9,196.80	2,379.62	6,817.18	286,059.63
2021 TOTALS:		**36,787.20**	**9,846.39**	**26,940.81**	
45	01-15-2022	9,196.80	2,324.23	6,872.57	279,187.06
46	04-15-2022	9,196.80	2,268.40	6,928.40	272,258.66
47	07-15-2022	9,196.80	2,212.10	6,984.70	265,273.96
48	10-15-2022	9,196.80	2,155.35	7,041.45	258,232.51
2022 TOTALS:		**36,787.20**	**8,960.08**	**27,827.12**	
49	01-15-2023	9,196.80	2,098.14	7,098.66	251,133.85
50	04-15-2023	9,196.80	2,040.46	7,156.34	243,977.51
51	07-15-2023	9,196.80	1,982.32	7,214.48	236,763.03
52	10-15-2023	9,196.80	1,923.70	7,273.10	229,489.93
2023 TOTALS:		**36,787.20**	**8,044.62**	**28,742.58**	
53	01-15-2024	9,196.80	1,864.61	7,332.19	222,157.74
54	04-15-2024	9,196.80	1,805.03	7,391.77	214,765.97
55	07-15-2024	9,196.80	1,744.97	7,451.83	207,314.14
56	10-15-2024	9,196.80	1,684.43	7,512.37	199,801.77
2024 TOTALS:		**36,787.20**	**7,099.04**	**29,688.16**	
57	01-15-2025	9,196.80	1,623.39	7,573.41	192,228.36
58	04-15-2025	9,196.80	1,561.85	7,634.95	184,593.41
59	07-15-2025	9,196.80	1,499.82	7,696.98	176,896.43
60	10-15-2025	9,196.80	1,437.29	7,759.51	169,136.92
2025 TOTALS:		**36,787.20**	**6,122.35**	**30,664.85**	
61	01-15-2026	9,196.80	1,374.24	7,822.56	161,314.36
62	04-15-2026	9,196.80	1,310.67	7,886.13	153,428.23
63	07-15-2026	9,196.80	1,246.61	7,950.19	145,478.04
64	10-15-2026	9,196.80	1,182.01	8,014.79	137,463.25
2026 TOTALS:		**36,787.20**	**5,113.53**	**31,673.67**	
65	01-15-2027	9,196.80	1,116.89	8,079.91	129,383.34
66	04-15-2027	9,196.80	1,051.24	8,145.56	121,237.78
67	07-15-2027	9,196.80	985.05	8,211.75	113,026.03
68	10-15-2027	9,196.80	918.34	8,278.46	104,747.57
2027 TOTALS:		**36,787.20**	**4,071.52**	**32,715.68**	
69	01-15-2028	9,196.80	851.07	8,345.73	96,401.84
70	04-15-2028	9,196.80	783.27	8,413.53	87,988.31
71	07-15-2028	9,196.80	714.90	8,481.90	79,506.41
72	10-15-2028	9,196.80	645.99	8,550.81	70,955.60
2028 TOTALS:		**36,787.20**	**2,995.23**	**33,791.97**	
73	01-15-2029	9,196.80	576.52	8,620.28	62,335.32
74	04-15-2029	9,196.80	506.47	8,690.33	53,644.99
75	07-15-2029	9,196.80	435.87	8,760.93	44,884.06
76	10-15-2029	9,196.80	364.68	8,832.12	36,051.94
2029 TOTALS:		**36,787.20**	**1,883.54**	**34,903.66**	
77	01-15-2030	9,196.80	292.92	8,903.88	27,148.06
78	04-15-2030	9,196.80	220.58	8,976.22	18,171.84
79	07-15-2030	9,196.80	147.65	9,049.15	9,122.69
80	10-15-2030	9,196.80	74.11	9,122.69	0.00
2030 TOTALS:		**36,787.20**	**735.26**	**36,051.94**	
TOTALS:		**735,744.00**	**196,295.00**	**539,449.00**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$334,675.24		01-15-2031					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "***" has been omitted due to text length limitations.

Borrower: Elk Point - Drinking Water #5

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS /SD DENR
.
.
PIERRE, SD

Disbursement Date:
Interest Rate: 3.000

Repayment Schedule: Balloon
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest ** Paid	Principal Paid	Remaining Balance
1	07-15-2012 pd	5,852.84	2,510.06	3,342.78	331,332.46
2	10-15-2012	5,852.84	2,484.99	3,367.85	327,964.61
2012 TOTALS:		**11,705.68**	**4,995.05**	**6,710.63**	
3	01-15-2013 pd	5,852.84	2,459.74	3,393.10	324,571.51
4	04-15-2013	5,852.84	2,434.28	3,418.56	321,152.95
5	07-15-2013	5,852.84	2,408.65	3,444.19	317,708.76
6	10-15-2013	5,852.84	2,382.82	3,470.02	314,238.74
2013 TOTALS:		**23,411.36**	**9,685.49**	**13,725.87**	
7	01-15-2014 pd.	5,852.84	2,356.79	3,496.05	310,742.69
8	04-15-2014	5,852.84	2,330.57	3,522.27	307,220.42
9	07-15-2014	5,852.84	2,304.15	3,548.69	303,671.73
10	10-15-2014	5,852.84	2,277.54	3,575.30	300,096.43
2014 TOTALS:		**23,411.36**	**9,269.05**	**14,142.31**	
11	01-15-2015 pd	5,852.84	2,250.72	3,602.12	296,494.31
12	04-15-2015	5,852.84	2,223.71	3,629.13	292,865.18
13	07-15-2015	5,852.84	2,196.49	3,656.35	289,208.83
14	10-15-2015	5,852.84	2,169.06	3,683.78	285,525.05
2015 TOTALS:		**23,411.36**	**8,839.98**	**14,571.38**	
15	01-15-2016	5,852.84	2,141.44	3,711.40	281,813.65
16	04-15-2016	5,852.84	2,113.60	3,739.24	278,074.41
17	07-15-2016	5,852.84	2,085.56	3,767.28	274,307.13
18	10-15-2016	5,852.84	2,057.31	3,795.53	270,511.60
2016 TOTALS:		**23,411.36**	**8,397.91**	**15,013.45**	
19	01-15-2017	5,852.84	2,028.83	3,824.01	266,687.59
20	04-15-2017	5,852.84	2,000.16	3,852.68	262,834.91
21	07-15-2017	5,852.84	1,971.26	3,881.58	258,953.33
22	10-15-2017	5,852.84	1,942.15	3,910.69	255,042.64
2017 TOTALS:		**23,411.36**	**7,942.40**	**15,468.96**	
23	01-15-2018	5,852.84	1,912.82	3,940.02	251,102.62
24	04-15-2018	5,852.84	1,883.27	3,969.57	247,133.05
25	07-15-2018	5,852.84	1,853.50	3,999.34	243,133.71
26	10-15-2018	5,852.84	1,823.50	4,029.34	239,104.37
2018 TOTALS:		**23,411.36**	**7,473.09**	**15,938.27**	
27	01-15-2019	5,852.84	1,793.28	4,059.56	235,044.81
28	04-15-2019	5,852.84	1,762.84	4,090.00	230,954.81
29	07-15-2019	5,852.84	1,732.16	4,120.68	226,834.13
30	10-15-2019	5,852.84	1,701.26	4,151.58	222,682.55
2019 TOTALS:		**23,411.36**	**6,989.54**	**16,421.82**	
31	01-15-2020	5,852.84	1,670.12	4,182.72	218,499.83
32	04-15-2020	5,852.84	1,638.75	4,214.09	214,285.74
33	07-15-2020	5,852.84	1,607.14	4,245.70	210,040.04
34	10-15-2020	5,852.84	1,575.30	4,277.54	205,762.50
2020 TOTALS:		**23,411.36**	**6,491.31**	**16,920.05**	
35	01-15-2021	5,852.84	1,543.22	4,309.62	201,452.88
36	04-15-2021	5,852.84	1,510.89	4,341.95	197,110.93
37	07-15-2021	5,852.84	1,478.34	4,374.50	192,736.43
38	10-15-2021	5,852.84	1,445.52	4,407.32	188,329.11

** INTEREST PAID also includes Admin Surcharge amts

AMORTIZATION SCHEDULE
(Continued)

2021 TOTALS:		**23,411.36**	**5,977.97**	**17,433.39**	
39	01-15-2022	5,852.84	1,412.47	4,440.37	183,888.74
40	04-15-2022	5,852.84	1,379.16	4,473.68	179,415.06
41	07-15-2022	5,852.84	1,345.62	4,507.22	174,907.84
42	10-15-2022	5,852.84	1,311.80	4,541.04	170,366.80
2022 TOTALS:		**23,411.36**	**5,449.05**	**17,962.31**	
43	01-15-2023	5,852.84	1,277.76	4,575.08	165,791.72
44	04-15-2023	5,852.84	1,243.43	4,609.41	161,182.31
45	07-15-2023	5,852.84	1,208.87	4,643.97	156,538.34
46	10-15-2023	5,852.84	1,174.04	4,678.80	151,859.54
2023 TOTALS:		**23,411.36**	**4,904.10**	**18,507.26**	
47	01-15-2024	5,852.84	1,138.95	4,713.89	147,145.65
48	04-15-2024	5,852.84	1,103.59	4,749.25	142,396.40
49	07-15-2024	5,852.84	1,067.97	4,784.87	137,611.53
50	10-15-2024	5,852.84	1,032.09	4,820.75	132,790.78
2024 TOTALS:		**23,411.36**	**4,342.60**	**19,068.76**	
51	01-15-2025	5,852.84	995.93	4,856.91	127,933.87
52	04-15-2025	5,852.84	959.50	4,893.34	123,040.53
53	07-15-2025	5,852.84	922.81	4,930.03	118,110.50
54	10-15-2025	5,852.84	885.82	4,967.02	113,143.48
2025 TOTALS:		**23,411.36**	**3,764.06**	**19,647.30**	
55	01-15-2026	5,852.84	848.58	5,004.26	108,139.22
56	04-15-2026	5,852.84	811.04	5,041.80	103,097.42
57	07-15-2026	5,852.84	773.24	5,079.60	98,017.82
58	10-15-2026	5,852.84	735.13	5,117.71	92,900.11
2026 TOTALS:		**23,411.36**	**3,167.99**	**20,243.37**	
59	01-15-2027	5,852.84	696.75	5,156.09	87,744.02
60	04-15-2027	5,852.84	658.08	5,194.76	82,549.26
61	07-15-2027	5,852.84	619.12	5,233.72	77,315.54
62	10-15-2027	5,852.84	579.87	5,272.97	72,042.57
2027 TOTALS:		**23,411.36**	**2,553.82**	**20,857.54**	
63	01-15-2028	5,852.84	540.32	5,312.52	66,730.05
64	04-15-2028	5,852.84	500.47	5,352.37	61,377.68
65	07-15-2028	5,852.84	460.33	5,392.51	55,985.17
66	10-15-2028	5,852.84	419.89	5,432.95	50,552.22
2028 TOTALS:		**23,411.36**	**1,921.01**	**21,490.35**	
67	01-15-2029	5,852.84	379.14	5,473.70	45,078.52
68	04-15-2029	5,852.84	338.09	5,514.75	39,563.77
69	07-15-2029	5,852.84	296.73	5,556.11	34,007.66
70	10-15-2029	5,852.84	255.06	5,597.78	28,409.88
2029 TOTALS:		**23,411.36**	**1,269.02**	**22,142.34**	
71	01-15-2030	5,852.84	213.07	5,639.77	22,770.11
72	04-15-2030	5,852.84	170.78	5,682.06	17,088.05
73	07-15-2030	5,852.84	128.16	5,724.68	11,363.37
74	10-15-2030	5,852.84	85.22	5,767.62	5,595.75
2030 TOTALS:		**23,411.36**	**597.23**	**22,814.13**	
75	01-15-2031	5,637.72	41.97	5,595.75	0.00
2031 TOTALS:		**5,637.72**	**41.97**	**5,595.75**	
TOTALS:		**438,747.88**	**104,072.64**	**334,675.24**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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CITY OF ELK POINT
STATEMENT OF NET POSITION
PROPRIETARY FUNDS
DECEMBER 31, 2014

	Enterprise Funds				
	Water Fund	Sewer Fund	Electric Fund	Garbage Fund	Totals
ASSETS:					
Current Assets:					
Cash and Cash Equivalents	$ 359,030.49	$ 73,016.27	$ 280,016.74	$ 95,324.67	$ 807,388.17
Investments	4,225.24	21.51	540,482.22	34.81	544,763.78
Utility Accounts Receivable, Net	21,630.60	16,327.79	88,321.55	8,995.84	135,275.78
Unbilled Accounts Receivable	29,240.42	25,995.93	168,282.37	15,445.18	238,963.90
Due from State Government	179.60	124.60	208.70	4.33	517.23
Inventory of Supplies	40,366.95	868.25	147,521.99		188,757.19
Inventory of Stores Purchased for Resale			8,386.94	624.00	9,010.94
Total Current Assets	454,673.30	116,354.35	1,233,220.51	120,428.83	1,924,676.99
Noncurrent Assets:					
Restricted Cash and Cash Equivalents	33,694.45	38,701.41	139,522.47		211,918.33
Restricted Investments			74,597.33		74,597.33
Capital Assets:					
Land	16,150.00	7,740.05	10,000.00	119,596.69	153,486.74
Buildings	193,708.04	16,083.04	56,490.00		266,281.08
Infrastructure	4,644,671.70	4,140,869.09	1,759,829.14	22,655.00	10,568,024.93
Machinery and Equipment	464,687.05	1,016,919.35	903,460.84	182,853.50	2,567,920.74
Less: Accumulated Depreciation	(2,049,278.86)	(1,888,971.70)	(773,354.06)	(68,259.46)	(4,779,864.08)
Total Noncurrent Assets	3,303,632.38	3,331,341.24	2,170,545.72	256,845.73	9,062,365.07
TOTAL ASSETS	3,758,305.68	3,447,695.59	3,403,766.23	377,274.56	10,987,042.06

LIABILITIES:					
Current Liabilities:					
Accounts Payable	4,554.75	1,632.34	1,410.47	1,840.71	9,438.27
Accrued Wages Payable	2,471.59	1,862.42	3,900.10	1,572.58	9,806.69
Accrued Taxes Payable			7,938.91	821.95	8,760.86
Customer Deposits			45,393.70		45,393.70
Bonds Payable-current	80,478.18	59,261.07	75,000.00		214,739.25
Accrued Leave Payable-current	1,038.03	783.31	9,296.64	273.85	11,391.83
Lease Payable-current				23,125.83	23,125.83
Total Current Liabilities	88,542.55	63,539.14	142,939.82	27,634.92	322,656.43
Noncurrent Liabilities:					
Bonds Payable	1,252,920.31	808,153.33	580,000.00		2,641,073.64
Lease Payable				72,892.88	72,892.88
Total Noncurrent Liabilities	1,252,920.31	808,153.33	580,000.00	72,892.88	2,713,966.52
DEFERRED INFLOWS OF RESOURCES:					
Other Deferred Inflows of Resources			48,125.00		48,125.00
TOTAL DEFERRED INFLOWS OF RESOURCES			48,125.00		48,125.00
NET POSITION:					
Net Investment in Capital Assets	1,936,539.44	2,425,225.43	1,253,300.92	160,827.02	5,775,892.81
Restricted for:					
Revenue Bond Debt Service	10,895.64	15,806.49	168,726.10		195,428.23
Equipment Repair and Replacement	22,500.00	22,500.00			45,000.00
Rose St Project	20,000.00	20,000.00			40,000.00
Unrestricted	426,907.74	92,471.20	1,210,674.39	115,919.74	1,845,973.07
TOTAL NET POSITION	$ 2,416,842.82	$ 2,576,003.12	$ 2,632,701.41	$ 276,746.76	$ 7,902,294.11

The attached notes are an integral part of these financial statements.

CITY OF ELK POINT
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION
PROPRIETARY FUNDS
FOR THE YEAR ENDED DECEMBER 31, 2014

	Enterprise Funds				
	Water Fund	Sewer Fund	Electric Fund	Garbage Fund	Totals
Operating Revenue:					
Charges for Goods and Services (Revenues Securing Debt Issues)	$ 414,441.77	$ 314,986.70	$ 1,688,112.37	$	$ 2,417,540.84
Charges for Goods and Services				172,858.87	172,858.87
Total Operating Revenue	414,441.77	314,986.70	1,688,112.37	172,858.87	2,590,399.71
Operating Expenses:					
Personal Services	87,220.80	65,947.16	144,117.90	50,126.01	347,411.87
Other Current Expense	123,338.70	106,496.91	143,481.89	74,258.92	447,576.42
Materials (Cost of Goods Sold)			1,201,301.01		1,201,301.01
Amortization			18,028.32		18,028.32
Depreciation	126,809.46	138,771.11	75,186.71	24,607.79	365,375.07
Total Operating Expenses	337,368.96	311,215.18	1,582,115.83	148,992.72	2,379,692.69
Operating Income (Loss)	77,072.81	3,771.52	105,996.54	23,866.15	210,707.02
Nonoperating Revenue (Expense):					
Interest Income			2,289.44		2,289.44
Gain (Loss) on Disposition of Assets			(27,805.54)		(27,805.54)
Interest Expense and Fiscal Charges	(44,443.67)	(28,882.69)	(21,017.85)	(1,545.21)	(95,889.42)
Total Nonoperating Revenue (Expense)	(44,380.07)	(28,882.69)	(46,253.95)	(1,545.21)	(121,061.92)
Change in Net Position	32,692.74	(25,111.17)	59,742.59	22,320.94	89,645.10
Net Position - Beginning	2,384,150.08	2,601,114.29	2,572,958.82	254,425.82	7,812,649.01
NET POSITION - ENDING	$ 2,416,842.82	$ 2,576,003.12	$ 2,632,701.41	$ 276,746.76	$ 7,902,294.11

The attached notes are an integral part of these financial statements.

CITY OF ELK POINT
STATEMENT OF NET POSITION
PROPRIETARY FUNDS
DECEMBER 31, 2015

	Enterprise Funds				
	Water Fund	Sewer Fund	Electric Fund	Garbage Fund	Totals
ASSETS:					
Current Assets:					
Cash and Cash Equivalents	$ 306,134.20	$ 102,203.45	$ 590,509.19	$ 95,577.50	$ 1,094,424.34
Accounts Receivable, Net	25,200.58	19,514.46	68,011.65	9,920.38	122,647.07
Unbilled Accounts Receivable	29,240.42	25,995.93	168,282.37	15,445.18	238,963.90
Inventory of Supplies	36,876.62	905.32	148,192.42		185,974.36
Inventory of Stores Purchased for Resale			7,291.76	1,091.23	8,382.99
Investments					
Total Current Assets	397,451.82	148,619.16	982,287.39	122,034.29	1,650,392.66
Noncurrent Assets:					
Restricted Cash and Cash Equivalents	36,287.40	42,823.34	168,726.10		247,836.84
Restricted Investments			508,383.02		508,383.02
Capital Assets:					
Land	16,150.00	7,740.05	10,000.00	119,596.69	153,486.74
Buildings	193,708.04	26,583.04	56,490.00		276,781.08
Machinery and Equipment	450,400.05	1,002,632.35	950,943.84	181,166.50	2,585,142.74
Infrastructure	4,761,869.60	4,140,869.09	1,831,111.79	22,655.00	10,756,505.48
Construction Work In Progress					
Less: Accumulated Depreciation	(2,041,564.06)	(1,881,256.90)	(765,639.26)	(60,544.66)	(4,749,004.88)
Total Noncurrent Assets	3,416,851.03	3,339,390.97	2,760,015.49	262,873.53	9,779,131.02
TOTAL ASSETS	$ 3,814,302.85	$ 3,488,010.13	$ 3,742,302.88	$ 384,907.82	$ 11,429,523.68

LIABILITIES:					
Current Liabilities:					
Accounts Payable	$ 5,420.24	$ 2,842.52	$ 99,798.06	$ 2,401.18	$ 110,462.00
Accrued Wages Payable	2,734.84	2,064.76	4,596.37	2,570.13	11,966.10
Sales Tax Payable			7,597.36	774.30	8,371.66
Customer Deposits			38,277.27		38,277.27
Accrued Leave Payable-current	770.86	590.33	9,431.29	229.29	11,021.77
Other Long-Term Debt-current	83,118.35	61,212.80	85,000.00		229,331.15
Total Current Liabilities	92,044.29	66,710.41	244,700.35	5,974.90	409,429.95
Noncurrent Liabilities:					
Lease Payable				72,848.05	72,848.05
Other Long-Term Debt	1,169,801.96	746,940.53	495,000.00		2,411,742.49
Total Noncurrent Liabilities	1,169,801.96	746,940.53	495,000.00	72,848.05	2,484,590.54
DEFERRED INFLOWS					
Gain on Refunded Debt			48,125.00		48,125.00
Total Deferred Inflows			48,125.00		48,125.00
NET POSITION:					
Net Investment in Capital Assets	2,127,643.32	2,488,414.30	1,502,906.37	190,025.48	6,308,989.47
Unrestricted Net Position	424,813.28	185,944.89	1,451,571.16	116,059.39	2,178,388.72
Total Net Position	2,552,456.60	2,674,359.19	2,954,477.53	306,084.87	8,487,378.19

CITY OF ELK POINT
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN FUND NET POSITION
PROPRIETARY FUNDS
For the Year Ended December 31, 2015

	Enterprise Funds				
	Water Fund	Sewer Fund	Electric Fund	Garbage Fund	Totals
Operating Revenue:					
Charges for Goods and Services (Revenues Securing Debt Issues)	$ 442,573.44	$ 326,522.98	$ 1,765,860.61	$	$ 2,534,957.03
Charges for Goods and Services				180,838.54	180,838.54
Total Operating Revenue	442,573.44	326,522.98	1,765,860.61	180,838.54	2,715,795.57
Operating Expenses:					
Personal Services	92,378.71	69,589.09	149,049.07	54,398.95	365,415.82
Other Current Expense	203,008.75	147,005.62	1,254,750.01	85,529.28	1,690,293.66
Total Operating Expenses	295,387.46	216,594.71	1,403,799.08	139,928.23	2,055,709.48
Operating Income (Loss)	147,185.98	109,928.27	362,061.53	40,910.31	660,086.09
Nonoperating Revenue (Expense):					
Gain/(Loss) on Disposition of Fixed Assets	(11,572.20)	(11,572.20)	(40,285.41)	(11,572.20)	(75,002.01)
Change in NET POSITION	135,613.78	98,356.07	321,776.12	29,338.11	585,084.08
NET POSITION - Beginning	2,416,842.82	2,576,003.12	2,632,701.41	276,746.76	7,902,294.11
NET POSITION - ENDING	$ 2,552,456.60	$ 2,674,359.19	$ 2,954,477.53	$ 306,084.87	$ 8,487,378.19

	2016 Adopted Budget
REVENUE:	
33175 Community Access Grant	
33100 Ferderal Grants (SRTS)	
33200 Federal Shared Revenue	
33401 Water Facilty Construction Grant	
33499 Other State Grants	
39125 SRF Bond Proceeds	
SRF Principal Forgiveness	
36000 Miscellaneous Revenue	
39000 Other Sources of Revenue	
39110 Operating Transfers Inc	
TOTAL CAPITOL PROJECTS REVENUE:	0
NET INCOME CAPITOL PROJECTS:	0

WATER FUND 602-43300

EXPENDITURES:	
41100 Wages	80,500
41103 Overtime Wages	4,500
41106 Longevity Pay	950
41200 OAIS	6,400
41300 Retirement	5,000
42100 Insurance	10,260
42150 Ins-Liab/WC/Prop	8,400
42200 Professional Fees & Services	25,000
Rose Street Engineering Fees: $20,400.00	
42300 Publishing	750
42320 Dues	1,200
42250 Contract Labor	
42400 Rentals	500
42500 Repairs & Maintenance	25,000
Increased due to inspection cost of water tower	
42550 Office Expense	2,500
42600 Supplies	22,000
42610 Uniforms	450
42620 Auto Expense	3,000

	2016 Adopted Budget
42700 Travel & Conference Travel	1,000
42750 Training Cont	1,000
42800 Utilities Cont	48,500
42830 Transfer Out	
42900 Other Current Expense Misc	500
43200 Buildings	
43300 Improvements Other than Bldgs Rent	10,000
Valve Replacement program: $10,000.00	
~~Paint the Old Water Tower: $60,000.00~~	
43400 Machinery & Equipment	1,000
Annual Copier Lease $350	
43410 Computer Software	100
43440 Subscriptions Misc	
43460 Debt Service Reserve Fund	
43510 Furnishings	
44100 Principal	83,150
2002 SRF Pearl Street Loan: 2015 payment: $12,073.84 final pymt 2022	
2004 SRF WTP Loan: 2015 pymt: $27,824.41 final pymt 2026	
2006 SRF Loan, westside lift station, 2015 payment $5,291.49 final pymt 2028	
2008 SRF Loan, Clay/Wash/AMR, 2015 payment: $22,915.16 final pymt 2030	
2009 SRF Loan, Main Street , 2015 pymt: $15,013.45 final pymt 2031	
44200 Interest	39,280
2002 SRF Pearl Street Loan, 2015 pymt: $3,267.84	
2004 SRF WTP Loan, 2015 pymt: $11,102.95	
2006 SRF Loan, westside lift station, 2015 payment $2,606.59	
2008 SRF Loan, Clay/Wash/AMR, 2015 payment $13,872.04	
2009 SRF Loan, Main Street Project, 2015 pymt $8,397.91	
45700 Depreciation	
TOTAL WATER EXPENSES	**380,940**
REVENUE:	
33100 Federal Grant	
33499 Other State	
36100 Interest Earned	10
36900 Other Miscellaneous	
38110 Metered Water Sales	410,000
~~Including a 3% rate increase: $13,100~~	

	2016 Adopted Budget
38120 Bulk Water Sales	1,000
38130 Surcharge	26,000
38180 Sale of Supplies	
38190 Other Water Revenue	
38295 Penalty Charges	2,000
38380 Utility Connection Fees	1,000
39100 Other Financing Sources	
39110 Operating Transfer In	
39130 Sale of General Fixed Asset	
TOTAL WATER REVENUE	**440,010**
WATER FUND PROFIT	**59,070**
TRANSFERS IN:	
From Electric Fund for Main Street Project Reserve	
TRANSFERS OUT:	
To General Fund:	20,000
To Water Repair and Replacement Reserve Fund for Rose Street	20,000
NET PROFIT - WATER FUND	**19,070**
SEWER FUND 604-43200	
EXPENDITURES:	
41100 Wages	60,875
41103 Overtime Wages	3,900
41106 Longevity Pay	675
41200 OASI	4,800
41300 Retirement	3,775
42100 Insurance	5,100
42150 Ins.-Liab/WC/Prop	4,200
42200 Professional Fees & Services	37,000
Engineering for Rose Stree Reconstruction: $32,400.00	
~~Engineering to Replace Green Street Liftstation:~~	
42250 Contract Labor	
42300 Publishing	400
42320 Dues	100

	2016 Adopted Budget
42400 Rentals	1,000
42500 Repairs & Maintenance	35,000
42550 Office Expense	2,000
42600 Supplies & Materials	16,000
42610 Uniforms	450
42620 Auto Expense	3,000
42700 Travel and Conference	500
42750 Training	250
42800 Utilities	30,000
42830 Transfer Out	
42900 Other Current Expense	300
43200 Buildings	0
43300 Improvements Other than Bldg.	0
43400 Machinery & Equipment	1,000
Copier:: $300	
43410 Computer Software	100
43440 Subscriptions	
43460 Debt Service Reserve Fund	
43510 Furnishings	
44100 Principal	61,250
2002 SRF Pearl Street Loan: 2015 pymt: $25,473 final pymt 2023	
2006 SRF loan, westside lift station, 2015 pymt $4,622.98 final pymt 2028	
2008 SRF loan, Clay/Wash, 2015 pymt $6,581.47 final pymt 2029	
2009 SRF loan, Main Street, 2015 payment $24,534.69 final pymt 2029	
44200 Interest	25,050
2002 SRF-Pearl Street Loan: 2015 pymt: $7,177.74	
2006 SRF loan, westside lift station, 2015 pymt $2,277.30	
2008 SRF Loan, Clay/Wash 2015 pymt: $3,647.65	
2009 SRF Loan Main Street, 2015 pymt: $11,939.07	
45700 Depreciation	
TOTAL SEWER EXPENDITURES:	**296,725**

	2016 Adopted Budget
REVENUE:	
33100 Federal Grants	
33499 Other State	
33580 Local Gov HW	
36100 Miscellaneous Revenue	
36100 Interest Earned	
36310 Principal (Special Assessment)	
36320 Interest (Special Assessment)	
36600 Gain on Sale	
38130 Sewer Surcharge	42,000
38180 Sale of Supplies	
38190 Other Water Revenue	
38295 Penalty Charges	2,000
38300 Sewer Revenue	
38310 Sewer Charges	276,000
~~Including a 3% rate increase: $9,300~~	
38380 Utility Connection Fees	1,000
38390 Other Sewer Revenue	
39100 Other Financing	
39110 Operating Transfers In	
39130 Sale of General Fixed Asset	
TOTAL SEWER REVENUE:	**321,000**
SEWER FUND PROFIT	**24,275**
TRANSFERS IN:	
From Electric Fund for Main Street Project Reserve	
From Electric Fund to (Operating Transfer)	
TRANSFERS OUT:	
To General Fund for Main Street Project	
Reserve for Rose Street Sewer Repair and Replacement	**20,000**
NET SEWER FUND PROFIT/LOSS	**4,275**

USER NAME PASSWORD

LOG IN

Forgot Username? Forgot Password?

Create an Account

Entity Dashboard

Entity Overview

- Entity Record
  - Core Data
  - Assertions
  - Reps & Certs
  - POCs
- Reports
  - Service Contract Report
  - BioPreferred Report
- Exclusions
  - Active Exclusions
  - Inactive Exclusions
  - Excluded Family Members

RETURN TO SEARCH

Elk Point, City Of
DUNS: 807083493 CAGE Code: 5M0E9
Status: Active

106 W Pleasant St
Elk Point, SD, 57025 ,
UNITED STATES

Expiration Date: 10/21/2016
Purpose of Registration: Federal Assistance Awards Only

Entity Overview

Entity Information

Name: Elk Point, City Of
Business Type: US Local Government
POC Name: Dennis Nelsen
Registration Status: Active
Activation Date: 10/22/2015
Expiration Date: 10/21/2016

Exclusions

Active Exclusion Records? No

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.

AFFIDAVIT OF PUBLICATION

State of South Dakota)
:ss
County of Union)

Bruce L. Odson,
the publisher of the Leader-Courier, deposes and says that

The Leader-Courier

is a legal weekly newspaper of a general circulation, printed and published in Elk Point, County of Union, State of South Dakota, and has been such legal newspaper during the time hereinafter mentioned, and that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit: and that the notice and advertisement headed:

Notice of Public Hearing

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least once in

each week for 1 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two hundred paid copies weekly, and had been published in the said County of Union for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Elk Point, the said place of publication; that the first publication of said notice in said newspaper was

on Thursday, the 10 day of March, 2016

and that the succeeding publications were

on Thursday, the _____ day of _____, _____

on Thursday, the _____ day of _____, _____

on Thursday, the _____ day of _____, _____

that the fees for the printing and publishing of said notice and advertisement in said newspaper as aforesaid were

$ 24.08, that the full amount of the fee charged insures to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.

Subscribed and sworn to before me

this 10 day of March, 2016

My commission expires 6-21-17

SUSAN OLSON
NOTARY PUBLIC
SOUTH DAKOTA

Notary Public

CITY OF ELK POINT NOTICE OF PUBLIC HEARING

Notice is hereby given that the City of Elk Point will hold a Public Hearing on Monday, March 21, 2016, regarding drinking water and clean water utility improvements in the City of Elk Point. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for any loans. The public is invited to attend and comment on the project.

The City expects to apply for approximately $1,160,000 for both drinking water and clean water improvements combined.

The City is seeking up to $645,000 of funding from the Board of Water and Natural Resources for the water distribution portion of the project. The funds could be a grant from the state Consolidated Water Facilities Construction Program and/or a loan from the Drinking Water State Revolving Funds (SRF) Program. The expected Drinking Water SRF loan terms are 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal.

The City is seeking up to $515,000 of funding from the Board of Water and Natural Resources for the sanitary sewer portion of the project. The funds could be a grant from the state Consolidated Water Facilities Construction Program and/or a loan from the Clean Water State Revolving Funds (SRF) Program. The expected Clean Water SRF loan terms are 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal.

This public hearing will be held at the following time, date and location:

7:00 P.M.
March 21, 2016
Elk Point City Hall
106 W. Pleasant Street
Elk Point, SD

In compliance with the Americans with Disabilities Act (ADA), if you need special assistance to participate in this hearing, please contact the Elk Point City Administrator at (605) 356-2141. Anyone who is deaf, hard-of-hearing or speech-disabled may utilize Relay South Dakota at (800) 877-1113 (TTY/Voice). Notification 48 hours prior to the hearing will enable the City to make reasonable arrangements to ensure accessibility to this hearing.

Dennis Nelsen
Elk Point City Administrator
Publish March 10, 2016
Published once at the total approximate cost of $24.08
10-5-80

City of Elk Point

Public Hearing For DW-SRF & CW-SRF Applications
Elk Point Rose Street Reconstruction Project
7:00 PM, Monday, March 21st, 2016
Elk Point City Hall, 106 W. Pleasant Street, Elk Point, SD

Please sign in:

NAME	ADDRESS / REPRESENTING
Erika Hammitt	106 W. Pleasant Elk Point, SD City of Elk Point
Dennis Nelsen	106 W. Pleasant, Elk Point, SD City of Elk Point
Kim McLaury	309 S. Franklin St, Elk Point, SD, City of Elk Point
[illegible]	412 S. Franklin St Elk Point, SD City of Elk Point
Kenneth Von Harlen	409 E Rose Elk Point SD city of Elk Point
LANCE PENFIELD	508 EAST LINCOLN STREET ELK POINT, SD
Katie Baum	110 N. Franklin #8 Elk Point SD
Jacob Limoges	106 West Pleasant Street, Elk Point, SD City of Elk Point
Melissa Gibson	1125 S Ebenezer SFSD SECOG
Kari Mau	201 N Scott St.
Deb McCreary	134 Green Gt Dr Elk Point SD 57025
Jim Varvos	709 E MAIN ST ELK POINT SD 57025 city of EP

UNAPPROVED MINUTES OF THE SPECIAL MEETING OF THE ELK POINT CITY COUNCIL

The Elk Point City Council and the Local Board of Equalization met in special session on Monday, March 21, 2016 at 7:00pm in the council chamber of City Hall located at 106 W. Pleasant Street with Mayor Trobaugh presiding and these members present: Verros, McCreary, VonHaden, Penfield and Buum. Absent was Zevenbergen. Also present were: City Engineer McLaury, City Administrator Nelsen, Police Chief Limoges and Finance Officer Hammitt.

Motion made by Penfield, seconded by McCreary to approve the agenda. All in favor.

A public hearing was held at 7:00pm to discuss the proposed project, proposed financing, and source of repayment for any loans for the Rose Street Project. Melissa Gibson with SECOG discussed the process for the Drinking Water SRF and Clean Water SRF loans, possible grants, principal forgiveness, interest rate and payment options for the funding. City Engineer McLaury answered questions regarding the project. Motion made by Buum, seconded by Verros to approve Resolution #2016-1 and Resolution #2016-2. Voting in favor: Buum, Verros, Penfield and McCreary. No one voted against. VonHaden abstained. Motion carried.

CITY OF ELK POINT
RESOLUTION # 2016-1
DW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Elk Point has determined the need for the Rose Street Reconstruction Project; and

WHEREAS, loan assistance is necessary to enable the City of Elk Point to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City Council is desirous of applying for up to a $721,000 30 year loan, to be repaid with water revenues, at 3.25% from the Drinking Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

The City of Elk Point hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund its water distribution project.

Be it further resolved that the City of Elk Point hereby authorizes its Mayor to act as Project Certifying Officer in connection with the applications, grant and/or loan agreements, and other

required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 21st day of March, 2016.

BY: ATTEST:
Isabel Trobaugh, Mayor Erika Hammitt, Finance Officer

CITY OF ELK POINT
RESOLUTION # 2016-2
CW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Elk Point has determined the need for the Rose Street Reconstruction Project; and

WHEREAS, financial assistance will be necessary to enable the City to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City Council is desirous of applying for up to a $440,000 30 year loan, to be repaid with water revenues, at 3.25% from the Clean Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

The City of Elk Point hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund its sanitary sewer project.

Be it further resolved that the City of Elk Point hereby authorizes its Mayor to act as Project Certifying Officer in connection with the applications, grant and/or loan agreements, and other required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 21st day of March, 2016.

BY: ATTEST:

Isabel Trobaugh, Mayor Erika Hammitt, Finance Officer

Motion and second, Verros/McCreary to adjourn as the City Council and convene as the Local Board of Equalization with School Board member Kari Mau present. Unanimous.

Pat & Penny Carter filed objection #1 on Lots 5 & 6 Block 11 Original Elk Point City. The objector stated the property was purchased for $23,000.00 and was requesting the board to reduce the structure from $46,530.00 to $29,140.00. Mr. Carter brought two comparables and felt this was a fair price with the remodeling changes. Motion and second, Verros/VonHaden to reduce the assessed structure value from $46,530.00 to $29,140.00 as requested by the objector. Voting in favor: Verros, VonHaden, Buum and Penfield. Voting against: McCreary and Mau. Motion carried.

Motion made by Verros and seconded by McCreary to approve that all other taxable property in the City of Elk Point has been properly placed upon the assessment roll and has been duly valued by the Director of Equalization. All in favor.

Verros moved and Penfield seconded a motion to adjourn. Unanimous.

Attest: Erika Hammitt
Finance Officer

Isabel Trobaugh
Mayor

Publish: March 31, 2016

CITY OF ELK POINT
ROSE STREET 2017 ROAD/UTILITY RECONSTRUCTION
FACILITY PLAN

ROAD RECONSTRUCTION – CLEAN WATER – DRINKING WATER- STORM WATER

ROSE STREET UTILITY RECONSTRUCTION
EXECUTIVE SUMMARY

The Rose Street Project consists of 14 blocks of storm water piping and reconstruction/replacement of 7 blocks of watermain and sanitary sewer along Rose Street. This project will reconstruct 7 blocks of Rose Street from Franklin Street to the Elm Street a highly traveled route for many goods and services and farm to market activities. This is a prime opportunity for the City of Elk Point to replace the century aged utility system under Rose Street when the street will be reconstructed.

STREET CONSTRUCTION
Street reconstruction will be 8" concrete paving with new curb & gutter, sidewalk, lighting, and ADA ramps.

WATER SYSTEM CONSTRUCTION
The City of Elk Point will be installing new 8" PVC water main, hydrants, valves, and PE service lines.

SANITARY SEWER SYSTEM CONSTRUCTION
The sewer system will be reconstructed with 8" sewer lines, new manholes, and service lines.

STORM SEWER SYSTEM CONSTRUCTION
A storm sewer system will be constructed with this project, and will solve a major flooding issue with the north side of town. Rose Street experiences continual flooding during rainfall events of more than 1". The street is impassable on heavy rainfall events.

The reconstruction of the utility system, road and storm sewer system will serve the City of Elk Point, Union County, and State Residents well into the next century.

Engineering evaluation McLaury Engineering researched on the existing utilities and street condition showed the area between Franklin Street and Elm Street will needed a complete replacement.

SIDEWALKS
The route along Rose Street does not have an existing sidewalk system. In recent years the city has implemented ordinances that any new street construction or development and new sidewalks and ADA accessible ramps will be added to the project.

April 5, 2016

WATER MAIN

The City of Elk Point will replace the entire water system during this construction project. The water mains have been in service for nearly a century. The existing water main consists of a cast iron and transite piping on the mainline and copper and most likely some lead service lines.

The buildup of calcium Ca, manganese Mn, and rust Fe_2O_3 inside the pipe has reduced the flow potential, and thinned the walls of the existing water main.

Figure 1- Existing 4" taken out of service on Pearl Street in 2015

The intent of this project will replace all water main and service lines to the curb stop along Rose Street. New 8” C900 PVC pipe will be installed from Franklin Street to Walnut Street. 1” PE Service lines will be installed on all services.

The water system needs to be replaced, there is no other option, and the north side of town has reduced fire flows due to the poor condition of the distribution system.

This construction will be funded through the Drinking SRF Water Fund.

Water Distribution Replacement

The water system was installed in the late 1900's or early 1910's and used the material that was available at that time. The water line has met its expected life span and is in need of replacement. There is also reduced flow due to the buildup of calcium and manganese inside the pipe. *See Appendix A for maps of Existing and Proposed Water Lines.*

Open trench construction would be the appropriate method of construction since the above road surface will be replaced by the City of Elk Point. We do not feel that the no-action alternative is an alternative for this project. The City of Elk Point will be placing new concrete surfacing on this street and it would be unacceptable to leave these old lines in place under new surfacing that could have a 100 year design life.

SANITARY SEWER

Mainline Sewer Pipe

The sanitary sewer system along Rose Street is constructed of Vitrified Clay Pipe and some of the pipe is approaching a century of service. The City of Elk Point has used video inspection to investigate many sanitary pipes in the past that were of the same age as the pipe on Rose Street. These previous investigations have shown that the sanitary pipe have all had major bell cracking, longitudinal cracking, breakouts, broken wyes and sags in the pipes. With the cities' historical corporate knowledge of the existing utilities the expense of videotaping the sewers would be an expense that would not be necessary and provide no cost benefit to the project.

This portion of the project will be funded through the Clean SRF Water Fund.

Sanitary Manholes

The existing manholes are brick material. The floors of the manholes have major deterioration. Concrete floor is broken and large portions of the bottoms have serious deterioration and missing concrete. The walls of the manholes are constructed of brick and mortar material, and the manhole walls are in fairly good condition. With the construction of the sewer system it is only logical to replace the sanitary manholes.

This project will replace all sanitary sewer lines, manholes, and service lines along Rose Street with new PVC pipe. The alternative to this construction is to line the existing pipe. This is not a viable solution since the problem of alignment and sags would not be addressed and would not solve the issue of I&I coming in at the broken wyes. The City of Elk Point is replacing the surfacing with this project; it is a prime opportunity for the City of Elk Point to replace the existing sanitary sewer system along Rose Street.

This portion of the project will be funded through the Clean Water SRF Fund.

Rehabilitation of Existing Wastewater Collection System

The sewer system was installed in the late 1900's or early 1910's and used the material that was available at that time. The sewer lines have met their expected life span and are in need of replacement. *See Appendix A for Maps of Existing and Proposed Sewer Lines.*

The City of Elk Point has used video inspection to investigate many sanitary pipes in the past that were of the same age as the pipe on Rose Street. These previous investigations lead the city to believe the sanitary sewer on Rose Street has major bell cracking, longitudinal cracking, breakouts, broken wye's and sags in the pipes. With that historical corporate knowledge the City of Elk Point will replace the sanitary sewer system on Rose Street

It is assumed that I/I exists in this section of the sanitary sewer, but amounts of inflow are not known. No I/I study has been performed. Due to the fact that the lines require yearly maintenance it is assumed that there is some amount of inflow and infiltration bringing outside soil material into the sanitary sewer system.

Open trench construction would be the appropriate method of construction since the above road surface will be replaced by the City of Elk Point. We do not feel that the no-action alternative is an alternative for this project. The City of Elk Point will be placing new concrete and asphalt surfacing on this street and it would be unacceptable to leave these old lines in place under new surfacing that could have a 100 year design life.

STORM WATER

The section of this project from Franklin Street to Elm Street does not contain storm sewer piping. This area drains storm water by using curb and gutter and concrete valley gutters to an existing ditch on the west side of Franklin Street. The entire north end of town, north of the railroad tracks, drains to Rose Street. The curb and gutter has many sections that do not drain due to vertical alignment issues. After rain events water sits in the curb and valley gutters on Rose Street for days and approaching a week.

The City of Elk Point will install storm sewer inlets and storm sewer piping to fix the drainage issue on this stretch of the project. This project will install new storm sewer inlets and storm sewer pipe along Rose Street. The piping will carry storm water to the south of Rose Street, under the BNSF Rail Road, and discharge into a drainage ditch south of Main Street.
See Appendix A For Existing and Proposed Storm Sewer Lines.

This portion of the project will be funded through the Clean Water SRF Fund.

CONCRETE PAVEMENT – Franklin Street to Elm Street

The City of Elk Point will reconstruct Rose Street from Franklin Street to Elm Street with a total reconstruction of concrete paving, curb & gutter and sidewalk once all the utilities and storm sewer have been constructed. The existing road has approximately 4”-6” of deteriorating asphalt surfacing and 6”-8” of concrete pavement under that.

The total cost to reconstruct the new street from Franklin Street to Elm Street will cost approximately $1,350,000.

Justification for this cost is from replacement of 2,200 LF of watermain and 2,700 LF of sanitary sewer lines. Replacement cost of the paving surface with 8” PCC Pavement on this 2,600’ x 38.67’ wide paving will cost the City of Elk Point $515,000. 6” gravel base course will add another $115,000 to the cost of the project. The total cost of paving and gravel is $630,000.

This cost is strictly the PCC Pavement and gravel cost and does not include any saw cutting, remove asphalt, remove concrete, subgrade preparation, temporary asphalt surfacing, or traffic control.

The Elk Point City Council has approved this project exception at the April 6, 2009 council meeting, and then reapproved this project at the May 4, 2009, and June 1, 2009 meetings addressing the additional cost of the curb & gutter and sidewalk on the downtown two blocks. They have again applied for funding through the SRF Program in 2016. This is a prime opportunity for the City of Elk Point to repair the worn out utilities along with replacing a street that is used heavily by the farming community, county, and commercial entities’.

PROJECT VICINITY

Environmental Considerations

There are no environmental impacts with this project, the reconstruction will happen all on existing streets and public Right-of-Way. There are no identified wetlands on the proposed construction site due to municipal buildings and streets in place for over a century. No Corp of Engineers 404 permit will be required. There is no evidence of historical or archaeological sites on the proposed construction site. The project site will not be affected by the construction.

Alternative Development and Selection

The Elk Point City Council studied the project and feels that the city needs to look for a less expensive alternative to the full reconstruction of street, sanitary sewer, watermain, and the new storm sewer. The Alternative Development and Selection directed by the city council and our study was revised to meet their goals for cost of construction. Reduce costs.

The overall length of the project did not change and the existing utilities will be repaired or replaced as described below. The surfacing will be milled down to the concrete and then a 3" asphalt overlay will be placed on top of the old concrete. We could see a high degree of variability in the amount of asphalt that will be required to complete the overlay as we are not certain on the shape and profile of the existing concrete.

Below we will describe in detail what we are estimating in the Alternative Development and Section for the reconstruction of Rose Street from Franklin Street to Elm Street.

Water Main:

The water main will be reconstructed in the original location along the south side of Rose Street Right-of-Way. The new water main will be located 5' – 6'behind the back of curb in the south right of way of Rose Street. This location is the original design location so if the street is ever reconstructed and storm sewer is installed the watermain will be out of the way of the reconstruction.

Where connections are made to the existing water system, the roadway will be saw cut, removed and replaced.

All fire hydrants will be removed and replaced.

All water services will be connected to the new water main by either open trench excavation or boring.

Sanitary Sewer:

The sanitary sewer and manholes will be lined in the Alternative Development and Section. The existing sanitary sewer will be video inspected in the next 3 months to assure final plan development will address any issues that may surface due to the inspection. Each service will be video inspected and repaired if deemed necessary. We are anticipating providing a resin liner for the sanitary sewer mainline system. The lining of the sanitary sewer system will not require removal of the Rose Street right of way. Only the service lines that are shown to have issues will be repaired with resin lining also at the direction of the city and owner.

Storm Sewer:

Currently there is no storm sewer piping on Rose Street in the Alternative Development and Section. In the mill and asphalt overlay alternative plan, no storm sewer piping will be added, and a do nothing action will be taken. Storm water from rain events will use the curb and gutter and valley gutters, and street to move the water to the west. The flooding Franklin Street experiences will not change due to the construction outlined in the Alternative Development and Section. Franklin Street will continue to be inundated when rainfall events occur of ¾" or more in a short period.

Roadway:

The existing roadway consists of multiple asphalt overlays over an old concrete street. The proposed reconstruction of Rose Street will be to mill and place a 3" overlay in the road surface from gutter line to gutter line. Efforts will be made during construction to maintain approximate 2.00% cross slope with the new asphalt pavement surface.

Once the milling has been completed the contractor will be directed to remove and replace any concrete breakout that may cause issues with the existing concrete subgrade. The project will include mill and asphalt overlay alternative plan. Existing roadway pavement, driveway pavement, approach pavement, fillet sections, curb and gutter, and sidewalks that are removed for construction of the water main will be replaced.

All existing sidewalks approaches that are currently in place will be brought to meet ADA requirements.

Unit cost breakdowns were evaluated for both initial project and the alternative.

Corps of Engineers 404 Permit will not be required as all construction will take place within the city limits of Elk Point, and will be in Public Right-of-Way.

The project schedule will be:

October 2016	–	Facility Plans Submitted to DENR Board for Funding
December 2016	–	Funding sources identified
October 2017-January 2018	–	Bid Project
February 2018	–	Awarded Project
May 2018	–	Begin Construction
November 2018	–	Finishing Construction

Public Participation

Public meetings will be held to discuss the project, letters of impending construction and activities required for construction will be sent to adjacent residents. Notices will also be published in the monthly city newsletter, and the Leader Courier.

A Notice of Public Hearing for this project was discussed at the Elk Point City Council Meeting on March 7th, 2016, and a revised Notice of Public Hearing was addressed on March 21, 2016.

Residents at either hearing made no comments.

Motion was made to approve this project on both dates by the city council.

Review Agencies for State Revolving Fund Project

The following agencies were forwarded information on this project.

US Department of Interior Fish and Wildlife Service 420 S. Garfield Avenue Pierre, SD 57501-5408 Attn:Donald Gober, Field Supervisor	**SD Dept. of Game, Fish and Parks** Division of Wildlife 523 E. Capitol Avenue Pierre, SD 57501-3181 Attn:John Kirk, Interagency Coordinator
US Department of Agriculture Natural Resources Conservation Service 200 Fourth Street SW Huron, SD 57350-2475 Attn: Jerry Schaar	**U.S. Army Corps of Engineers,** Omaha District Planning Division Attention: CENWO-PM-AE 106 South 15th Street Omaha, NE 68102-1618 Attn: Larry D. Janis

Funding Considerations

Funding for the Rose Street 2017 Utility Reconstruction Project is from a variety of sources. The total Project cost is estimated to be $3,782,805 dollars.

Project Development Costs

Drinking Water (Water main)

Water main Reconstruction	$	219,485
Street Reconstruction	$	629,729
Contingency	$	84,950
Survey, Engineering,	$	168,200
Bonding, Legal, Administration	$	93,450
Subtotal	$	1,195,814

Clean Water (Sanitary Sewer)

Sanitary Sewer Reconstruction	$	247,109
Street Reconstruction	$	710,120
Storm Sewer	$	880,062
Contingency	$	183,750
Survey, Engineering,	$	363,800
Bonding, Legal, Administration	$	202,150
Subtotal	$	2,586,991

TOTAL COST $ 3,782,805

Alternative Development and Selection

Funding Considerations Mill and Asphalt Overlay Alternative

Funding for the Rose Street 2017 Utility Reconstruction Project is from a variety of sources. The total mill and asphalt overlay alternative project cost is estimated to be $1,159,959 dollars.

Project Development Costs – Original Facilities Plan

Drinking Water (Water main)		
Water main Reconstruction	$	254,335
Street Reconstruction	$	112,471
Contingency	$	73,350
Survey, Engineering,	$	79,250
Bonding, Legal, Administration	$	44,000
Subtotal	$	563,406
Clean Water (Sanitary Sewer)		
Sanitary Sewer Reconstruction	$	152,770
Contingency	$	30,600
Survey, Engineering,	$	33,100
Bonding, Legal, Administration	$	18,300
Subtotal	$	234,770
Mill and Asphalt Overlay		
Roadway Reconstruction	$	235,483
Contingency	$	47,100
Survey, Engineering,	$	50,900
Bonding, Legal, Administration	$	28,300
Subtotal	$	361,783
TOTAL COST	$	1,159,959

Funding Sources

Project Cost Estimate		**$3,782,805**
Drinking Water SRF Loan		$1,195,814
Clean Water SRF Loan		$2,586,991
SDDOT TAP (Sidewalks)		$150,000
SDDOT BIG		$250,000
SDDOT Local (Economic Development)		$400,000
GOED		
USRDA		
CDBG		
Local Cash		$210,000
	Total	$4,792,805

Alternative Development and Selection
Funding Sources Mill and Overlay

Project Cost Estimate	**$1,159,959**
Drinking Water SRF Loan	$563,409
Clean Water SRF Loan	$234,770
SDDOT TAP (Sidewalks)	$150,000
SDDOT BIG	$250,000
SDDOT Local (Economic Development)	$300
GOED	
USRDA	
CDBG	

See Appendix B for breakout of costs for construction of watermain and sanitary sewer.

Appendix A

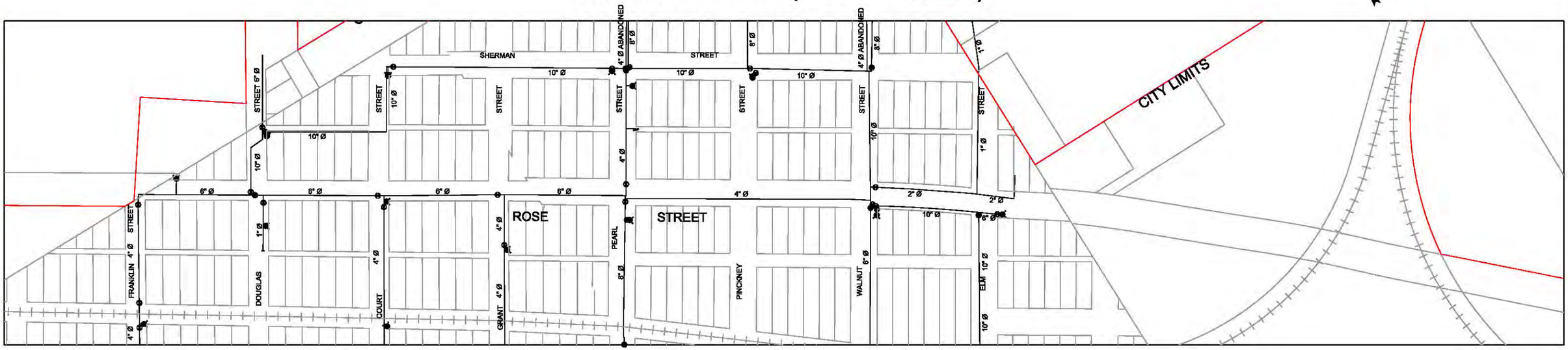
Existing and Proposed Construction

March 30, 2016

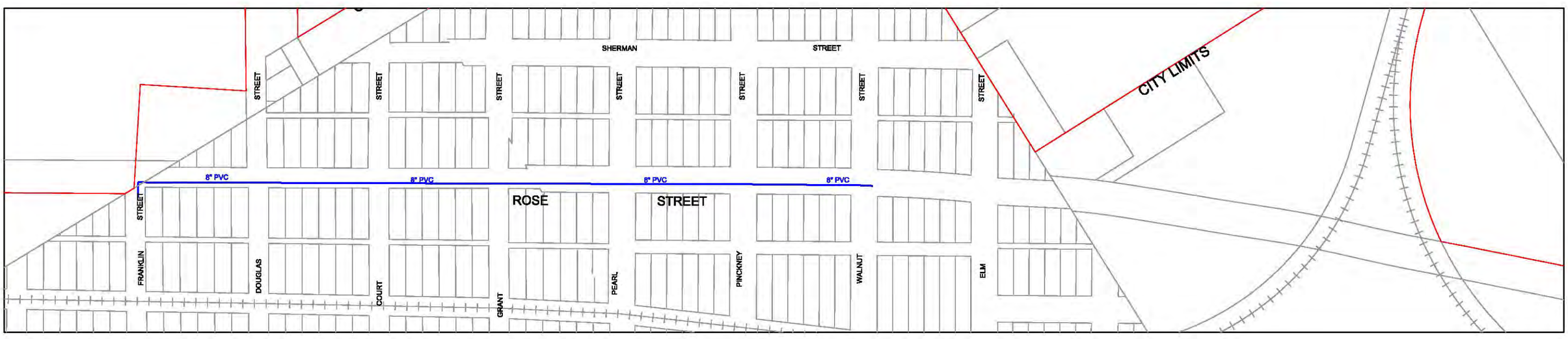
PROJECT	SHEET NO.	TOTAL SHEETS
CITY OF ELK POINT ROSE STREET RECONSTRUCTION PROJECT	1	3

CITY OF ELK POINT UTILITY EXHIBIT

EXISTING WATER (ROSE STREET)



PROPOSED WATER (ROSE STREET)



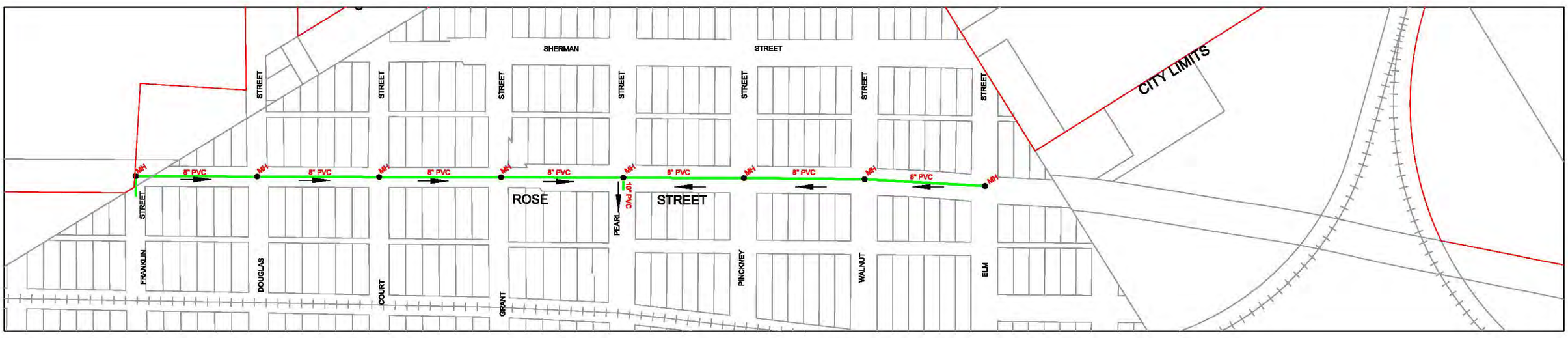
File Location: $$file-name$$
Plot Time: $$plot-time$$ $$plot-date$$

PROJECT	SHEET NO.	TOTAL SHEETS
CITY OF ELK POINT ROSE STREET RECONSTRUCTION PROJECT	2	3

CITY OF ELK POINT UTILITY EXHIBIT

EXISTING SEWER (ROSE STREET)

PROPOSED SEWER (ROSE STREET)



File Location: $$file-name$$
Plot Time: $$plot-time$$ $$plot-date$$

PROJECT	SHEET NO.	TOTAL SHEETS
CITY OF ELK POINT ROSE STREET RECONSTRUCTION PROJECT	3	3

CITY OF ELK POINT UTILITY EXHIBIT

EXISTING STORM SEWER (ROSE STREET)

PROPOSED STORM SEWER (ROSE STREET)

File Location: $$file-name$$
Plot Time: $$plot-time$$ $$plot-date$$

Appendix B

Costs

March 30, 2016

PRELIMINARY BID TAB
CITY OF ELK POINT
ROSE RECONSTRUCTION PROJECT
BID ESTIMATE 2016

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT PRICE	COST
	Watermain				
1	Mobilization	0.08	LS	$300,000.00	$24,510
2	Traffic Control	0.08	LS	$10,000.00	$817
3	Incidental Work, Utilities	0.08	LS	$10,000.00	$817
4	Erosion Control	0.08	LS	$4,000.00	$327
5	Remove Water Main	2800	LF	$4.40	$12,320
6	Remove Fire Hydrant	3	EACH	$300.00	$900
7	Remove Gate Valve	10	EACH	$200.00	$2,000
8	Topsoiling	0.08	LS	$8,500.00	$694
9	8" Gate Valve W/Box	7	EACH	$2,150.00	$15,050
10	6" Gate Valve W/Box	3	EACH	$1,550.00	$4,650
11	8" PVC Water Main	2200	LF	$33.00	$72,600
12	6" PVC Water Main	350	LF	$28.00	$9,800
13	8" x 10" Tee	2	EACH	$500.00	$1,000
14	Fire Hydrant	3	EACH	$5,000.00	$15,000
15	1" Corporation Stop	30	EACH	$400.00	$12,000
16	1" Curb Stop	30	EACH	$300.00	$9,000
17	Water Service	1000	LF	$25.00	$25,000
18	Connect it Existing Pipe	10	EACH	$1,000.00	$10,000
19	Connect to Existing Water Service Pipe	30	EACH	$100.00	$3,000
	Subtotal Section				**$219,485**
	Sanitary Sewer				
1	Mobilization	0.09	LS	$300,000.00	$27,594
2	Traffic Control	0.09	LS	$10,000.00	$920
3	Incidental Work, Utilities	0.09	LS	$10,000.00	$920
4	Erosion Control	0.09	LS	$4,000.00	$368
5	Remove Sanitary Sewer Pipe	2800	LF	$3.30	$9,240
6	Remove Sanitary Manhole	6	EACH	$500.00	$3,000
7	Topsoiling	0.09	LS	$8,500.00	$782
8	10" PVC Sanitary Sewer Pipe	37	LF	$40.00	$1,480
9	8" PVC Sanitary Sewer Pipe	2700	LF	$35.00	$94,500
10	6" PVC Sanitary Sewer Pipe	150	LF	$30.00	$4,500
11	6" PVC Sanitary Sewer Service	750	LF	$40.00	$30,000
12	Sanitary Sewer Pipe Bedding Material	2850	LF	$3.30	$9,405
13	Connect to Existing Pipe	7	EACH	$400.00	$2,800
14	Connect to Existing Service Pipe	30	EACH	$200.00	$6,000
15	8"X6" Sanitary Sewer Wye	30	EACH	$200.00	$6,000

16	48" Sanitary Sewer Manhole	8	EACH	$5,500.00	$44,000
17	2" Adjusting Rings	16	EACH	$100.00	$1,600
18	NEENAH R-1733 w/ Solid Gasketed Lid	8	EACH	$500.00	$4,000
	Subtotal Section				**$247,109**
	Storm Sewer				
1	Mobilization	0.33	LS	$300,000.00	$98,276
2	Traffic Control	0.33	LS	$10,000.00	$3,276
3	Incidental Work, Utilities	0.33	LS	$10,000.00	$3,276
4	Erosion Control	0.33	LS	$4,000.00	$1,310
5	Topsoiling	0.33	LS	$8,500.00	$2,784
6	5' x 5' Junction Box	1	EACH	$5,500.00	$5,500
7	7' x 7' Junction Box	5	EACH	$7,600.00	$38,000
8	2' x 3' Type B Reinforced Concrete Drop Inlet	6	EACH	$1,750.00	$10,500
9	3' x 4' Type B Reinforced Concrete Drop Inlet	2	EACH	$2,750.00	$5,500
10	5.5' x 3' Type B Reinforced Concrete Drop Inlet	4	EACH	$4,000.00	$16,000
11	5.5' x 5.5' Type B Reinforced Concrete Drop Inlet	2	EACH	$4,575.00	$9,150
12	Fram and Grate	20	EACH	$400.00	$8,000
13	72" RCP Storm Sewer Pipe	1721	LF	$150.00	$258,150
14	48" RCP Storm Sewer Pipe	1051	LF	$125.00	$131,375
15	42" RCP Storm Sewer Pipe	1393	LF	$105.00	$146,265
16	36" RCP Storm Sewer Pipe	690	LF	$90.00	$62,100
17	24" RCP Storm Sewer Pipe	95	LF	$60.00	$5,700
18	18" Storm Sewer Pipe	223	LF	$50.00	$11,150
19	Boring	75	LF	$175.00	$13,125
20	60" Casing Pipe	75	LF	$500.00	$37,500
21	48" Carrier Pipe	75	LF	$175.00	$13,125
	Subtotal Section				**$880,062**
	Street Reconstruction				
1	Mobilization	0.50	LS	$300,000.00	$149,620
2	Traffic Control	0.50	LS	$10,000.00	$4,987
3	Incidental Work, Utilities	0.50	LS	$10,000.00	$4,987
4	Incidental Work, Grading	1	LS	$10,000.00	$10,000
5	Erosion Control	0.50	LS	$4,000.00	$1,995
6	Remove Concrete Sidewalk	468	SY	$8.50	$3,978
7	Remove Concrete Misc	260	SY	$10.00	$2,600
8	Remove Concrete Pavement	12450	SY	$9.00	$112,050
9	Remove Concrete Driveway Pavement	166	SY	$9.00	$1,494
10	Remove Concrete Approach Pavement	393	SY	$10.00	$3,930
11	Remove 4" Concrete Asphalt Pavement	1222	CY	$27.00	$32,994

12	Remove Concrete Curb and Gutter	105	LF	$6.00	$630
13	Asphalt Sawcut	150	LF	$4.25	$638
14	Unclassified Excavation	10000	CY	$6.50	$65,000
15	Unclassified Excavation, Digouts	1000	CY	$13.50	$13,500
16	6" Basecourse	14301	SY	$8.00	$114,408
17	8" PCC Pavement	11615	SqYd	$44.00	$511,060
18	6" PCC Driveway Pavement	650	SY	$34.50	$22,425
19	6" PCC Approach Pavement	380	SY	$70.00	$26,600
20	Gravel Driveway	500	SY	$20.00	$10,000
21	6" PCC Fillet Section	300	SY	$54.25	$16,275
22	Concrete Curb and Gutter	4425	LF	$15.00	$66,375
23	4" PCC Sidewalk	20027	SF	$5.85	$117,158
24	6" PCC Sidewalk	3636	SF	$8.50	$30,906
25	6" PCC Valley Gutter	240	SY	$50.00	$12,000
26	Topsoiling	0.50	LS	$8,500.00	$4,239
	Subtotal Section				**$1,339,849**
				Subtotal	**$2,686,505**
				Contingency 10%	$268,700
				Funding - Survey - Engineering - Construction	$532,000
				Administration	$295,600
				Total Cost of Project	**$3,782,805**

PRELIMINARY BID TAB MILL & OVERLAY ALTERNATIVE
CITY OF ELK POINT
ROSE RECONSTRUCTION PROJECT
BID ESTIMATE 2017

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT PRICE	COST
	Watermain				
1	MOBILIZATION	0.34	LS	$80,000.00	$27,200.00
2	TRAFFIC CONTROL	0.34	LS	$5,000.00	$1,700.00
3	INCIDENTAL WORK, UTILITIES	0.34	LS	$2,500.00	$850.00
4	INCIDENTAL WORK, GRADING	0.34	LS	$2,500.00	$850.00
5	EROSION CONTROL	0.34	LS	$750.00	$255.00
6	REMOVE FIRE HYDRANT	3	EACH	$300.00	$900.00
7	REMOVE GATE VALVE	10	EACH	$200.00	$2,000.00
8	TOPSOILING	0.34	LS	$5,500.00	$1,870.00
9	8" GATE VALVE W/BOX	10	EACH	$2,150.00	$21,500.00
10	6" GATE VALVE W/BOX	3	EACH	$1,550.00	$4,650.00
11	10" PVC WATER MAIN	20	LF	$35.00	$700.00
12	8" PVC WATER MAIN	2400	LF	$30.00	$72,000.00
13	6" PVC WATER MAIN	70	LF	$28.00	$1,960.00
14	8" x 10" TEE	1	EACH	$500.00	$500.00
15	8"x8" TEE	2	EACH	$475.00	$950.00
16	8"x8" CROSS	1	EACH	$600.00	$600.00
17	10"x8" CROSS	1	EACH	$650.00	$650.00
18	8" 45 DEGREE BEND	15	EACH	$300.00	$4,500.00
19	8"x6" REDUCER	2	EACH	$175.00	$350.00
20	8"x4"REDUCER	2	EACH	$175.00	$350.00
21	FIRE HYDRANT	3	EACH	$5,000.00	$15,000.00
22	1" Corporation Stop	30	EACH	$400.00	$12,000.00
23	1" Curb Stop	30	EACH	$300.00	$9,000.00
24	WATER SERVICE TRENCH	400	LF	$20.00	$8,000.00
25	WATER SERVICE BORE	800	LF	$65.00	$52,000.00
26	CONNECT TO EXISTING PIPE	10	EACH	$800.00	$8,000.00
27	CONNECT TO EXISTING WATER SERVICE PIPE	30	EACH	$200.00	$6,000.00
	Subtotal Section				**$254,335**
	Sanitary Sewer				
1	MOBILIZATION	0.2	LS	$80,000.00	$16,000.00
2	TRAFFIC CONTROL	0.2	LS	$5,000.00	$1,000.00
3	INCIDENTAL WORK, UTILITIES	0.2	LS	$2,500.00	$500.00
4	INCIDENTAL WORK, GRADING	0.2	LS	$2,500.00	$500.00
5	EROSION CONTROL	0.2	LS	$750.00	$150.00
6	TOPSOILING	0.2	LS	$5,500.00	$1,100.00
7	8" PVC SANITARY SEWER PIPE LINING	2900	LF	$26.00	$75,400.00
8	6" PVC SANITARY SEWER PIPE LINING	1620	LF	$26.00	$42,120.00
9	48" SANITARY SEWER MANHOLE LINING	80	VF	$200.00	$16,000.00
	Subtotal Section				**$152,770**

	Mill & Overlay				
1	MOBILIZATION	0.31	LS	$80,000.00	$24,800.00
2	TRAFFIC CONTROL	0.31	LS	$5,000.00	$1,550.00
3	INCIDENTAL WORK, UTILITIES	0.31	LS	$2,500.00	$775.00
4	INCIDENTAL WORK, GRADING	0.31	LS	$2,500.00	$775.00
5	EROSION CONTROL	0.31	LS	$750.00	$232.50
6	COLD MILLING ASPHALT CONCRETE	10430	SY	$1.50	$15,645.00
7	3" CONCRETE ASPHALT OVERLAY	1900	TON	$100.00	$190,000.00
8	TOPSOILING	0.31	LS	$5,500.00	$1,705.00
	Subtotal Section				**$235,483**
	Street Reconstruction				
1	MOBILIZATION	0.15	LS	$80,000.00	$12,000.00
2	TRAFFIC CONTROL	0.15	LS	$5,000.00	$750.00
3	INCIDENTAL WORK, UTILITIES	0.15	LS	$2,500.00	$375.00
4	INCIDENTAL WORK, GRADING	0.15	LS	$2,500.00	$375.00
5	EROSION CONTROL	0.15	LS	$750.00	$112.50
6	REMOVE CONCRETE SIDEWALK	85	SY	$8.50	$722.50
7	REMOVE CONCRETE MISC	255	SY	$10.00	$2,550.00
8	REMOVE CONCRETE PAVEMENT	595	SY	$9.00	$5,355.00
9	REMOVE CONCRETE DRIVEWAY PAVEMENT	125	SY	$9.00	$1,125.00
10	REMOVE CONCRETE APPROACH PAVEMENT	295	SY	$10.00	$2,950.00
11	REMOVE 4" ASPHALT CONCRETE PAVEMENT	35	SY	$8.00	$280.00
12	REMOVE CONCRETE CURB & GUTTER	155	LF	$6.00	$930.00
13	ASPHALT SAWCUT	150	LF	$4.25	$637.50
14	6" BASE COURSE	400	SY	$8.00	$3,200.00
15	8" PCC PAVEMENT	300	SY	$44.00	$13,200.00
16	6" PCC DRIVEWAY PVMT	90	SY	$34.50	$3,105.00
17	6" PCC APPRROACH PAVEMENT	235	SY	$70.00	$16,450.00
18	6" PCC MISC CONCRETE	275	SY	$40.00	$11,000.00
19	GRAVEL DRIVEWAY	100	SY	$20.00	$2,000.00
20	6" PCC FILLET SECTION	175	SY	$54.25	$9,493.75
21	CONCRETE CURB & GUTTER	355	LF	$15.00	$5,325.00
22	4" PCC SIDEWALK	600	SF	$5.85	$3,510.00
23	6" PCC SIDEWALK	300	SF	$8.50	$2,550.00
24	TYPE 1 DETACHABLE WARNING	60	SF	$40.00	$2,400.00
25	6" PCC VALLEY GUTTER	225	SY	$50.00	$11,250.00
26	TOPSOILING	0.15	LS	$5,500.00	$825.00
	Subtotal Section				**$112,471**
				Subtotal	**$755,059**

Contingency 20%	$151,100
Funding - Survey - Engineering - Construction	$163,200
Administration	$90,600
Total Cost of Project	**$1,159,959**

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: City of Bridgewater

Project Title:	Main Avenue Water Distribution Improvement
Funding Requested:	$121,700
Other Proposed Funding:	$117,500 - Community Development Block Grant
Total Project Cost:	$239,200
Project Description:	The city of Bridgewater will replace cast iron water mains on two blocks of Main Avenue between Second and Fourth Streets with PVC water pipes, water services and curb stops will also be replaced
Alternatives Evaluated:	The "No Action" alternative was not selected as this project is needed to replace aging infrastructure that will continue to deteriorate in the future increasing maintenance costs. A second alternative that was rejected was the South Main Avenue Water Looping Project. This alternative included water line looping that would be bored under the railroad. This alternative was not selected due to cost.
Implementation Schedule:	Bridgewater anticipates bidding the project in August 2016 with a project completion date of November 2016.
Service Population:	488
Current Domestic Rate:	$40.00 per 5,000 gallons usage

Interest Rate: 2.25% Term: 30 years Security: System Revenue

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If funding is provided as all loan, Bridgewater would have 165% coverage based on the current rate of $40.00/5,000 gallons.

10% Funding Subsidy:	$12,170 subsidy with a loan of $109,530.
Coverage at 10% Subsidy:	Based on 10% subsidy and a loan of $109,530, Bridgewater would have 197% coverage based on the current rate of $40.00/5,000 gallons.

25% Funding Subsidy:	$30,425 subsidy with a loan of $91,275
Coverage at 25 % Subsidy:	Based on 25% subsidy and a loan of $60,850, Bridgewater would have 247% coverage based on the current rate of $40.00/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: JIM ANDERSON

FINANCIAL REVIEW COMPLETED BY: DEREK LANKFORD

SECOG
SOUTH EASTERN COUNCIL OF GOVERNMENTS
SOUTH DAKOTA

RECEIVED
MAR 31 2016
Division of Financial
& Technical Assistance

March 31, 2016

Mike Perkovich
Department of Environment and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Dear Mr. Perkovich:

Enclosed is the Drinking Water State Revolving Loan Fund Application for the City of Bridgewater Main Street Water Distribution Improvement Project. Included with the general application are the following appendices:

Appendix A	Signed Supplemental Application Forms including the Certification of Drinking Water Needs Categories, Certification Regarding Debarment, Suspension, and Other Responsibility Matters
Appendix B	Signed Application Resolution
Appendix C	User Rate Ordinances
Appendix D	Amortization of Debt
Appendix E	Capacity Assessment
Appendix F	2014 Financial Statements
Appendix G	2015 Budget
Appendix H	2016 Budget
Appendix I	Public Hearing Notice, Sign-in Sheets and Minutes
Appendix J	Facilities Plan
Appendix K	System for Award Management (SAM) Registration

Please do not hesitate to contact Arens Engineering or me if you have any questions pertaining to this application. Thank you in advance for your consideration of our request.

Sincerely,

Leslie Mastroianni
Planner

Enclosures

Cc: City of Bridgewater
Arens Engineering

500 N. Western Ave. • Suite 100 • Sioux Falls, SD 57104
Phone: 605.367.5390 • Fax: 605.367.5394
Website: www.secog.org • E-mail: lynne@secog.org
Lynne Keller Forbes, Executive Director

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Bridgewater	Proposed Funding Package
Address: PO Box 37 Bridgewater, SD 57319	Requested Funding $121,700 Local Cash Other: CDBG $117,500
Subapplicant:	Other:
DUNS Number: 145086984	Other: TOTAL $239,200

Project Title: Main Street Water Distribution Improvement

Description:

The City of Bridgewater has determined the need to replace the final two blocks of its original cast iron water main piping. The City's original water distribution system was installed in the 1910s and 1920s of 6" and 8" cast iron pipe. Except for these two blocks on Main Street from Second Street to Fourth Street, the City upgraded its water distribution system in the late 1990s replacing the cast iron pipe with polyvinyl PVC water piping. This two block segment was not replaced in the 1990s because it is under concrete. The project will remove the old cast iron pipe in this two block segment of Main Street and install new 8" PVC in the same location, along with replacement of water services to the curb stops. The curb stops will also be replaced.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Michael Damm, Mayor		3/24/2016
Name & Title of Authorized Signatory (Typed)	Signature	Date

Professional Consultants

Application Prepared By: South Eastern Council of Governments

Contact Person: Leslie Mastroianni

Mailing Address: 500 N. Western Avenue, Suite 100

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: 605-367-5390 Fax: 605-367-5394

Email address: leslie@secog.org

Consulting Engineering Firm: Arens Engineering

Contact Person: Vern Arens

Mailing Address: 230 Capital Street

City, State, and Zip: Yankton, SD 57078

Telephone Number: 605-665-2002 Fax:

Email address: arenseng@iw.net

Legal Counsel's Firm: Fink Law Office

Contact Person: Mike Fink

Mailing Address: PO Box 444

City, State, and Zip: Bridgewater, SD 57319

Telephone Number: 605-729-2552 Fax: 605-729-2445

Email address: finklaw@unitelsd.com

Bond Counsel's Firm: Meierhenry Sargent LLP

Contact Person: Todd Meierhenry

Mailing Address: 315 S. Phillips Avenue

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: 605-336-3075 Fax:

Email address: todd@meierhenrylaw.com

Budget Sheet

Cost Classification	A DWSRF/ CWFCP	B CDBG	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal & Bond Counsel						
D. Other SECOG	$3,000	$7,500				$10,500
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	$9,000	$0				$9,000
B. Project Inspection Fees	$19,900	$0				$19,900
C. Other						
4. Construction & Improvements	$71,600	$110,000				$181,600
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	$103,500	$117,500				$221,000
10. Contingencies	$18,200					$18,200
11. Total (Lines 9 and 10)	$121,700	$117,500				$239,200
12. Total %	50.88%	49.12%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) CDBG application submitted April 1, 2016		$117,500	June 2016
Other (Explain) DWSRF		$121,700	June 2016
Other (Explain)			
Total		$239,200	$239,200

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1

Population Served Current: 488 2010 492 2000 607

Top three employers within 30 miles	Number of Employees	Type of Business
Diamond Care Center	75	Health Care
Bridgewater-Emery School	46	Education
Freeman Regional Health Services	135	Health Care

Repayment Information

Interest rate you are applying for: 2.25% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation Bond (Requires Bond Election)
- ☐ 2. Revenue Bond
- ☒ 3. Project Surcharge Revenue Bond
- ☐ 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the drinking water fund.
2. Current year's budget for the drinking water fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Drinking Water Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.

   (https://www.sam.gov)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary for SRF Projects.
6. Capacity Assessment Worksheets.

Items 7-9 apply to Non-profit Entities only

7. By-laws.
8. Articles of Incorporation.
9. Certificate of Good Standing from Secretary of State.

Drinking Water Fund Debt Information

Year						
Purpose						
Security Pledged						
Amount						
Maturity Date (mmm/yyyy)						
Debt Holder						
Debt Coverage Requirement						
Avg. Annual Required Payment						
Outstanding Balance						

Comments:

No Debt in Water Fund

Drinking Water Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2014	2015	2016	2017	2018	2019
Operating Revenue						
Base Fees	$99,379	$99,024	$100,800	$101,000	$101,000	$101,000
Surcharge Fees				$7,010	$7,010	$7,010
Other (Explain)						
Operating Expenses						
Personal Services	($23,821)	($22,500)	($22,810)	($23,152)	($23,500)	($23,853)
Chemical, Material & Supplies	($50,281)	($2,800)	($7,000)	($7,100)	($7,200)	($7,300)
Electric & Other Utilities		($2,552)	($3,500)	($3,553)	($3,600)	($3,650)
Other (Explain)	($18,672)	($55,094)	($57,050)	($57,900)	($58,768)	($59,753)
Operating Net Cash	$6,605	$16,078	$10,440	$16,305	$14,942	$13,454
Nonoperating Cash Flow						
Interest Revenue	$467					
Transfers In (Explain)						
Fixed Asset Purchases						
Transfers Out (Explain)						
Principal Debt Payments	0	0	0	0	($2,440)	($2,440)
Interest Debt Payments					($3,926)	($3,926)
Other (Explain)						
Nonoperating Net Cash	$467	0	0	0	($6,366)	($6,366)
Increase (Decrease) Cash	$7,072	$16,078	$10,440	$16,305	$8,576	$7,088
Beginning Cash Balance	$118,188	$125,260	$141,338	$151,778	$168,083	$176,659
Ending Cash Balance	$125,260	$141,338	$151,778	$168,083	$176,659	$183,747
Restricted Balance	0	0	0	$7,010	$7,010	$7,010
Unrestricted Balance	$125,260					

Explanations

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber
$6,366	Main Street Water SRF	UtilitySurchargebeginning1/17

Drinking Water Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: [X] Incorporated Municipality or Sanitary District

or

[ ] Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	$40.00	$40.00	223	387.5
Business	$40.00	$40.00	50	918.7
Other:				
Other:				

Are fees based on usage or flat rate? Usage

When is proposed fee scheduled to take effect? N/A

When did the current fee take effect? January 1, 1998

What was the fee prior to the current rate? 20.05

Four Largest Customers	Type of Business	% of System Revenue
Diamond Care Center	Nursing Home	12%
Grandview Assisted Living	Assisted Living	2.3%
St. Stephen's Apartments	Housing	1.9%
McCormick Apartments	Housing	1.2%

Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$121,700
Treatment	
Storage	
Source	
System Purchase	
Restructuring	
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
Total	$121,700

Michael Damm, Mayor

Name & Title of Authorized Representative

Signature of Authorized Representative

3/24/2016

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Michael Damm, Mayor

Name & Title of Authorized Representative

Signature of Authorized Representative

3/24/2016

Date

☐ I am unable to certify to the above statements. Attached is my explanation

CITY OF BRIDGEWATER

RESOLUTION # 16-0307C

DW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Bridgewater has determined the need for the Main Street Water Distribution Improvements Project; and

WHEREAS, loan assistance is necessary to enable the City of Bridgewater to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City Council is desirous of applying for up to a $121,700 30 year loan, to be repaid with water revenues, at 3.25% from the Drinking Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

1. The City of Bridgewater hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund its water distribution project.

2. Be it further resolved that the City of Bridgewater hereby authorizes its Mayor to act as Project Certifying Officer in connection with the applications, grant and/or loan agreements, and other required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 7th day of March, 2016.

BY:

Michael Damm, Mayor

ATTEST:

Joan M. Julson, Finance Officer

COPY

City of Bridgewater
Resolution 97-1201C

A resolution of the City of Bridgewater to amend section 8.0207 of the Revised City of Bridgewater Ordinances.

Therefore be it resolved that effective January 1, 1998 the water rate shall be as follows: the minimum monthly rate will be $6.50. In addition, for metered water the charge will now be $.05 per cubic foot.

Water meter should be read on the first of the month, and is payable by the 15th of the month. A $5.00 penalty will be due if not paid by the 15th of the month.

In situations where water is not metered, a fair compensation to the city will be determined by the Municipal Finance Officer.

Adopted this 1st day of December, 1997.

Resolution passed: 6 votes in favor, 0 votes opposed.

Steve Sievers, Acting Mayor

Tammera K Hofer

Attest-Finance Officer
Tammera K. Hofer

2A*

Draft Amortization Table

Bridgewater Main Street Water Distribution

Projected Utility Rate Impact: **$1.88**
(Based on 273accounts)

Enter Amount		**121,700.00**
Enter Rate		**2.25%**
Term (Years)		**30**
# Payments per Year		**4**
Enter Pmt (opt)	**$**	**-**
Enter Payment Date		**January 1, 2018**
Annual Interest	**$**	**2,714.10**
Annual Payments	**$**	**5,589.64**

Principal	*$*	*121,700.00*
Rate		*2.25%*
Term(Qtrs)		*120*
Quarterly Payment		*$1,397.41*

	Principal Balance	Unscheduled Pmt.	Quarterly Prin. Pmt	Quarterly Int Pmt.
	$ 121,700.00			
Jan-18	120,987.15	0.00	712.85	684.56
Apr-18	120,270.30	0.00	716.86	680.55
Jul-18	119,549.41	0.00	720.89	676.52
Oct-18	118,824.46	0.00	724.94	672.47
			2,875.54	2,714.10
Jan-19	118,095.44	0.00	729.02	668.39
Apr-19	117,362.32	0.00	733.12	664.29
Jul-19	116,625.07	0.00	737.25	660.16
Oct-19	115,883.68	0.00	741.39	656.02
Jan-20	115,138.12	0.00	745.56	651.85
Apr-20	114,388.36	0.00	749.76	647.65
Jul-20	113,634.38	0.00	753.97	643.43
Oct-20	112,876.17	0.00	758.22	639.19
Jan-21	112,113.69	0.00	762.48	634.93
Apr-21	111,346.92	0.00	766.77	630.64
Jul-21	110,575.83	0.00	771.08	626.33
Oct-21	109,800.41	0.00	775.42	621.99
Jan-22	109,020.63	0.00	779.78	617.63
Apr-22	108,236.46	0.00	784.17	613.24
Jul-22	107,447.88	0.00	788.58	608.83
Oct-22	106,654.87	0.00	793.02	604.39
Jan-23	105,857.39	0.00	797.48	599.93
Apr-23	105,055.43	0.00	801.96	595.45
Jul-23	104,248.96	0.00	806.47	590.94
Oct-23	103,437.95	0.00	811.01	586.40
Jan-24	102,622.38	0.00	815.57	581.84
Apr-24	101,802.22	0.00	820.16	577.25

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: City of Bridgewater

Prepared by: Vern Arens, City of Bridgewater

Phone #: 605-729-2690

Date: 03/22/16

Glossary of Terms

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water;

Disinfectant: Any oxidant, including chlorine, chlorine dioxide, chloramine, and ozone, that is added to water in any part of the treatment or distribution process and that is intended to kill or inactivate pathogenic microorganisms;

Disinfectant contact time: The time in minutes that it takes for water to move from the point of disinfectant application or the previous point of disinfectant residual measurement to a point before or at the point where residual disinfectant concentration is measured;

Filtration: A process for removing particulate matter from the water by passing the water through porous media;

Ground Water: The supply of fresh water found beneath the surface of the ground, usually in aquifers, which is often used for supplying wells and springs;

Ground Water Under the Direct Influence of Surface Water: Any water beneath the surface of the ground with a significant occurrence of insects, macroorganisms, algae, or large-diameter pathogens such a *Giardia lamblia* ; or any water with significant and relatively rapid shifts in water quality characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions;

Maximum Contaminant Level (MCLs): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards;

mg/L: milligrams per liter - equivalent to parts per million;

µg/L: micrograms per liter - equivalent to parts per billion;

NTU: nephelometric turbidity unit;

psi: pounds per square inch

Surface Water: All water that is open to the atmosphere and subject to surface runoff;

Turbidity: A cloudy condition in water due to suspended silt or organic matter; and

Waiver: A process used by the Department of Environment and Natural Resources that allows a public water system to reduce or eliminate monitoring for a particular chemical.

The Technical Portion of your System

Your Water Supply

Please check the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section or question does not apply to your system, please check NA for not applicable.***

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** _____	☐	☐	☑	☐
Do you know how much water you pump on a peak day? ***Amount:*** _____	☐	☐	☑	☐
Do you know the maximum amount of water you can pump from your source? ***Amount:*** _____	☐	☐	☑	☐
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:*** _____	☐	☐	☑	☐
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:*** _____	☐	☐	☑	☐
Have you been able to provide adequate volumes of water during drought cycles?	☐	☐	☑	☐
Have you had to restrict usage at any time for any reason? ***Please specify:*** _____	☐	☑	☐	☐
Does your system have an emergency or supplemental water supply? ***Please specify:*** Non-potable only	☑	☐	☐	☐
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***	☐	☑	☐	☐
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☐ ***growing,*** ☐ ***declining, or*** ☑ ***stable.***	☐	☐	☐	☐
Does your source have additional water available for appropriation?	☐	☐	☑	☐
Do you have a water right? ***Water right permit number(s):*** _____	☐	☐	☑	☐
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☐	☐	☐	☑
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☐	☐	☑	☐
Do you have a contract to purchase water? ***If yes, with whom?*** _____	☑	☐	☐	☐
Are you currently staying within your contract?	☑	☐	☐	☐
Are you knowledgeable about other demands being placed on the same water source that you are using?	☐	☑	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☑	☐	☐	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☐	☐	☑	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** _____	☐	☑	☐	☐
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** _____	☐	☑	☐	☐
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☑	☐	☐	☐

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☐ **Yes** ☑ **No**

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☐	☐	☐	☐
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☐	☐
Are repair parts available?	☐	☐	☐	☐
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☐	☐	☐	☐
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☐	☐	☐	☐
Do you have on-line continuous turbidimeters on each filter?	☐	☐	☐	☐
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** _____	☐	☐	☐	☐
Do you have the capability to add coagulant before the filter?	☐	☐	☐	☐

Ground Water Systems

Ground Water Under the Influence of Surface Water	Yes	No	Unknown	NA
Is your water free from variations in turbidity and temperature after storm events?	☐	☐	☑	☐
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** #2 - 1953 #3 -	☑	☐	☐	☐
Is your well(s) constructed according to current South Dakota regulations?	☐	☐	☑	☐
Do you have a source water protection plan?	☐	☑	☐	☐
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☐	☑	☐	☐

Disinfection

Do you disinfect? ☐ **Yes** ☑ **No** ***(If "No", skip to the Infrastructure - Pumping section)***

Disinfection	**Yes**	**No**	**Unknown**	**NA**
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** _____ ***How often?*** _____ ***Disinfectant used:*** _____	☐	☐	☐	☐
Do you have back-up equipment? ***Type:*** _____	☐	☐	☐	☐
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:*** _____	☐	☐	☐	☐
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** _____ ***Total Chlorine Residual:*** _____ (if using chloramines)	☐	☐	☐	☐

Disinfection By-Products

Treatment for the Control of Disinfection By-Products	**Yes**	**No**	**Unknown**	**NA**
If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?	☐	☐	☐	☐
If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?	☐	☐	☐	☐

Treatment - Security

Treatment Security	**Yes**	**No**	**Unknown**	**NA**
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☐	☐	☐	☐
Are chemicals used for treatment properly stored and secure?	☐	☐	☐	☐
Does the water system track chemical usage? (i.e. a sudden	☐	☐	☐	☐

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping

Condition of Pumping Equipment	**Yes**	**No**	**Unknown**	**NA**
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** _____	☐	☐	☐	☑
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☐	☐	☐	☑
Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	☐	☐	☐	☑
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☐	☐	☑	☐
Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	☐	☐	☑	☐
Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	☐	☐	☑	☐

Infrastructure - Storage

Storage Capacity	**Yes**	**No**	**Unknown**	**NA**
Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:*** _____	☐	☐	☑	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:*** _____	☐	☐	☑	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☐	☐	☑	☐
Are access hatches locked?	☐	☐	☑	☐
Is the tank and the immediate surrounding area fenced?	☐	☐	☑	☐
Control Systems				
Is there a high and low water level signal system to control the pumps?	☐	☐	☑	☐

Is there a drain valve or hydrant to allow for draining of the tank?	☐	☐	☑	☐
Tank Maintenance	**Yes**	**No**	**Unknown**	**NA**
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☐	☐	☑	☐
Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	☐	☐	☑	☐

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:*** Yearly	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☑	☐	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☑	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☐	☑	☐	☐
Are all valves exercised and lubricated periodically?	☑	☐	☐	☐
Is the system free of severe "water hammer" problems?	☐	☐	☑	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☐	☐	☑	☐
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** 9.47 %	☑	☐	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 50 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☐	☑	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☐	☑	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☐	☐	☑	☐

Are any inspections for cross-connections performed?	☐	☐	☑	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☐	☑	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☐	☐	☐	☑
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** 90-95%	☑	☐	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☐	☑	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☐	☐	☐	☑
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** 0 ***Most common complaint:*** Water distribution only - we	☐	☑	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☑	☐	☐	☐

The Management Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** Water distribution only - we don't do anything with treating the water	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance? ***If yes, who*** Rural Water	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☑	☐	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☐	☐	☐	☑
Is someone responsible for scheduling work?	☐	☐	☐	☑
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☐	☑	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☐	☑	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☐	☑	☐	☐
Do you have standard construction specifications to be followed?	☐	☑	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☐	☑	☐	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** At least 8 years	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☐	☑	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☑	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☐	☑	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☑	☐	☐
Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	☐	☑	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☐	☑	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** Mayor	☑	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☑	☐	☐	☐
Do you have written operating procedures for both routine and emergency system operations?	☐	☑	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☐	☐	☐	☑
Does the system work with customers to promote their awareness of security?	☐	☑	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☐	☑	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☐	☑	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☐	☐	☑	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	☑	☐	☐	☐

The Financial Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**	**NA**
Does your system develop and follow an annual budget that is approved by the governing body?	☑	☐	☐	☐
Does the governing body review a monthly summary of revenues and expenses of the utility system?	☑	☐	☐	☐
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** _____	☐	☑	☐	☐
Does the system have reserve funds available in the event of an emergency?	☐	☑	☐	☐
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	☐	☑	☐	☐
Do you have a process for scheduling and committing to capital projects?	☐	☑	☐	☐
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	☐	☑	☐	☐
Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?	☐	☑	☐	☐
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** annually	☑	☐	☐	☐
Do you have a plan in place for periodic increases in rates?	☐	☑	☐	☐
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** 5 cents per cf plus 6.50 base (i.e. $22 minimum plus $2.50/1000 gallons)	☑	☐	☐	☐
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***: We charge 5 cents for each cubic foot used	☑	☐	☐	☐
Does the rate structure assure proportionality among users?	☑	☐	☐	☐
Do you have procedures for billing and collection?	☑	☐	☐	☐
Is your billing collection rate greater than 95%?	☑	☐	☐	☐
Do you have collection procedures specifically for delinquent accounts?	☐	☑	☐	☐

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☐	☑	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☑	☐	☐	☐
Does your water utility support other enterprise funds or the general fund?	☐	☑	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☐	☑	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☑	☐	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☑	☐	☐	☐
Are there purchasing procedures?	☐	☑	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☐	☑	☐	☐

Financial Spreadsheet

Complete the financial spreadsheet on the following page using the guidance presented on the reverse side of the form.

GUIDELINES:

This cash flow projection form provides a systematic method of estimating cash receipts, disbursements and balances. The entries listed on the form will not necessarily apply to every PWS, and some entries may not be included which would be pertinent to each PWS. It is suggested, therefore, that the form be adapted to each particular PWS, with appropriate changes in the entries as may be required.

Procedure: Most of the entries on the form are self-explanatory; however, the following suggestions are offered to simplify the procedure:

(1) First gather the audited financial statements, internally prepared statements or budgets and other information for the current year and the two prior years. Include the most recent audited financial statement with your self-assessment report.

(2) Complete the columns for the prior two years using actual data from your audited financial statements, if available, or your internally prepared financial statements. Keep in mind, for purposes of this analysis, it is important to use **cash** receipts and disbursements. ***Suggestion: Round amounts to the nearest dollar.***

(3) Complete the current year's column using the most recent budget information. Include all expenditures incurred by the utility.

(4) Complete the form using the suggestions in the partial form below for each entry. Be sure to include any expenditures resulting from planned plant improvement and estimate the impact of inflation on all expenditures.

(5) Item #1 (Beginning Cash on Hand) plus Item #3 (Total Cash Receipts) minus Item #6 (Total Cash Paid Out) should equal Item #7 (Ending Cash Position).

(6) Item #13 (Total Added to Reserves) plus Item #14 (Operating Cash) should equal Item #7 (Ending Cash Position).

(7) Item #1 (Beginning Cash on Hand) should equal Item #14 (Ending Cash Position) from the prior financial period.

(8) Items #8 & 9 are used together to determine the impact of the rate structure on the equivalent residential user. If industrial or business customers contribute a significant portion of the revenues, these amounts should be looked at separately. Consideration should be given to design a rate structure so that each

category of user pays its proportional share of the costs of operating and maintaining the PWS.

(9) Item #10 is used to determine to what extent a PWS's net operating income is able to cover its debt service requirements.

(10) Item #11 is used to determine to what extent a PWS's rate structure produces revenues sufficient to cover operating expenses.

(11) Item #14 is the operating cash balance at year end. The operating cash balance at the end of any financial period should be adequate to meet the cash requirements for a minimum of one month. If there is too little cash, additional cash may have to be injected or expenditures may have to be reduced. If there is excessive cash on hand, the money should be invested or otherwise deposited into interest bearing accounts (e.g., set up reserves for replacement or capital improvements, etc.)

Financial Spreadsheet

Applicant: City of Bridgewater
Completed by: Leslie Mastroianni, SECOG
Date: 02/29/16

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2015	2016	2017	2018	2019
1. Beginning Cash on Hand	$0	$9,712	$60,396	$104,920	$150,312
2. Cash Receipts:					
a. Unmetered Water Revenue	$20,761				
b. Metered Water Revenue	$73,865	$100,800	$101,000	$101,000	$101,000
c. Other Water Revenue	$3,869				
d. Total Water Revenues (2a through 2c)	$98,495	$100,800	$101,000	$101,000	$101,000
e. Connection Fees					
f. Interest and Dividend Income	$529				
g. Other Income					
h. Total Cash Revenues (2d through 2g)	$99,024	$100,800	$101,000	$101,000	$101,000
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash					
Please specify					
3. Total Cash Receipts (2h through 2j)	$99,024	$100,800	$101,000	$101,000	$101,000
4. Total Cash Available (1+3)	$99,024	$110,512	$161,396	$205,920	$251,312
5. Operating Expenses					
a. Salaries and wages	$10,150	$22,810	$23,152	$23,500	$23,853
b. Employee Pensions and Benefits	$12,349				
c. Purchased Water	$49,017				
d. Purchased Power	$2,552	$3,500	$3,553	$3,600	$3,650
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies	$2,800	$7,000	$7,100	$7,200	$7,300
h. Engineering Services					
i. Contractual Services – Other	$1,785				
j. Equip. Rent/Real Property					
k. Transportation Expenses					
l. Laboratory					
m. Insurance	$304				
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous	$3,989	$10,440	$16,305	$14,942	$13,454
q. Total Cash O&M Expenses (5a through 5p)	$82,946	$43,750	$50,110	$49,242	$48,257
r. Replacement Expenditures					
s. Total OM&R Expenditures (5q+5r)	$82,946	$43,750	$50,110	$49,242	$48,257
t. Loan Principal/Capital Lease Payments	$2,440	$2,440	$2,440	$2,440	$2,440
u. Loan Interest Payments	$3,926	$3,926	$3,926	$3,926	$3,926
v. Transfers Out					
w. Capital Purchases (specify):					
x. Other					
6. Total Cash Paid Out (5s through 5x)	$89,312	$50,116	$56,476	$55,608	$54,623
7. Ending Cash Position (4 - 6)	$9,712	$60,396	$104,920	$150,312	$196,689

Financial Spreadsheet

Applicant: City of Bridgewater
Completed by: Leslie Mastroianni
Date: 2/29/16

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	273	273	273	273	273
9. Avg Annual User Charge Account (2d/8)	$360.79	$369.23	$369.96	$369.96	$369.96
10. Coverage Ratio (2h-5s)/(5t+5u)	2.53	8.96	7.99	8.13	8.29
11. Operating Ratio (2d/5s)	1.19	2.30	2.02	2.05	2.09
12. Total Restricted Cash Balances					
a. Debt Service Reserve					
b. Bond Retirement Reserve					
c. Capital Improvement Reserve					
d. Replacement Reserve					
e. Other					
13. Restricted Cash Balance (12a through 12e)					
14. Unrestricted Cash Balance (7 - 13)	$9,712	$60,396	$104,920	$150,312	$196,689

Audited Copies

MUNICIPALITY OF BRIDGEWATER
STATEMENT OF NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
ASSETS:			
Current Assets:			
Cash and Cash Equivalents	70,260.84	148,046.64	218,307.48
Investments	55,000.00	10,000.00	65,000.00
Total Current Assets	125,260.84	158,046.64	283,307.48
TOTAL ASSETS	125,260.84	158,046.64	283,307.48
NET POSITION:			
Restricted for:			
Revenue Bond Debt Service		6,482.80	6,482.80
Equipment Repair and/or Replacement		7,500.00	7,500.00
Unrestricted	125,260.84	144,063.84	269,324.68
TOTAL NET POSITION	125,260.84	158,046.64	283,307.48

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF BRIDGEWATER
STATEMENT OF REVENUES, EXPENSES, AND CHANGES
IN NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
For the Year Ended December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
Operating Revenue:			
Charges for Goods and Services	99,368.72	92,284.29	191,653.01
Miscellaneous	10.31	6.87	17.18
Total Operating Revenue	99,379.03	92,291.16	191,670.19
Operating Expenses:			
Personal Services	23,820.65	21,465.29	45,285.94
Other Current Expense	18,671.72	11,309.42	29,981.14
Materials	50,280.80		50,280.80
Total Operating Expenses	92,773.17	32,774.71	125,547.88
Operating Income (Loss)	6,605.86	59,516.45	66,122.31
Nonoperating Revenue (Expense):			
Investment Earnings	467.26	535.69	1,002.95
Debt Service (Principal)		(19,679.70)	(19,679.70)
Interest Expense		(15,656.66)	(15,656.66)
Total Nonoperating Revenue (Expense)	467.26	(34,800.67)	(34,333.41)
Change in Net Position	7,073.12	24,715.78	31,788.90
Net Position - Beginning	118,187.72	133,330.86	251,518.58
NET POSITION - ENDING	125,260.84	158,046.64	283,307.48

- No Debt in water fund -

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF BRIDGEWATER
STATEMENT OF ACTIVITIES - MODIFIED CASH BASIS
For the Year Ended December 31, 2014

		Program Revenues			Net (Expense) Revenue and Changes in Net Position		
					Primary Government		
Functions/Programs	Expenses	Charges for Services	Operating Grants and Contributions	Capital Grants and Contributions	Governmental Activities	Business-Type Activities	Total
Primary Government:							
Governmental Activities:							
General Government	53,976.72				(53,976.72)		(53,976.72)
Public Safety	49,353.42		7,531.58		(41,821.84)		(41,821.84)
Public Works	119,248.52	45,139.34	33,328.77		(40,780.41)		(40,780.41)
Health and Welfare	66,081.66	35,584.01	41,975.54		11,477.89		11,477.89
Culture and Recreation	23,294.12				(23,294.12)		(23,294.12)
Conservation and Development	1,265.00				(1,265.00)		(1,265.00)
Miscellaneous Expenditures	60,106.87	70,102.24			9,995.37		9,995.37
Total Governmental Activities	373,326.31	150,825.59	82,835.89	0.00	(139,664.83)		(139,664.83)
Business-type Activities:							
Water	92,773.17	99,379.03				6,605.86	6,605.86
Sewer	68,111.07	92,291.16				24,180.09	24,180.09
Total Business-Type Activities	160,884.24	191,670.19	0.00	0.00		30,785.95	30,785.95
Total Primary Government	534,210.55	342,495.78	82,835.89	0.00	(139,664.83)	30,785.95	(108,878.88)
General Revenues:							
Taxes:							
Property Taxes					130,473.43		130,473.43
Sales Taxes					100,088.40		100,088.40
State Shared Revenues					5,168.31		5,168.31
Unrestricted Investment Earnings					1,614.17	1,002.95	2,617.12
Miscellaneous Revenue					6,886.87		6,886.87
Total General Revenues					244,231.18	1,002.95	245,234.13
Change in Net Position					104,566.35	31,788.90	136,355.25
Net Position - Beginning					378,620.71	251,518.58	630,139.29
NET POSITION - ENDING					483,187.06	283,307.48	766,494.54

The notes to the financial statements are an integral part of this statement.

CITY OF BRIDGEWATER

Revenue Guideline

Current Period: DECEMBER 2015

Account Descr	2015 YTD Budget	DECEMBER 2015 Amt	2015 YTD Amt	Balance	% of Budget
FUND 103 GARBAGE FEE COLLECTION	$47,000.00	$3,595.32	$45,379.85	$1,620.15	96.55%
FUND 106 LIQUOR					
R 106-36100 Interest Earned	$150.00	$36.76	$204.13	-$54.13	136.09%
R 106-36800 Liquor Op Agreement - Rent	$9,600.00	$800.00	$9,600.00	$0.00	100.00%
R 106-36810 Liquor Op Agreement - Beer/Liq	$50,000.00	$1,987.85	$44,224.83	$5,775.17	88.45%
R 106-36900 Other	$0.00	$0.00	$11,994.67	-$11,994.67	0.00%
R 106-36904 Dividend Income	$0.00	$0.00	$0.00	$0.00	0.00%
R 106-38090 Late fees on rent	$0.00	$0.00	$0.00	$0.00	0.00%
FUND 106 LIQUOR	$59,750.00	$2,824.61	$66,023.63	-$6,273.63	110.50%
FUND 250 ANNIVERSARY FUND					
R 250-36100 Interest Earned	$20.00	$1.21	$14.44	$5.56	72.20%
R 250-36700 Contributions/Donations/Priva	$0.00	$0.00	$0.00	$0.00	0.00%
R 250-36900 Other	$30.00	$0.00	$100.00	-$70.00	333.33%
FUND 250 ANNIVERSARY FUND	$50.00	$1.21	$114.44	-$64.44	228.88%
FUND 602 WATER FUND					
R 602-33499 Other State Grants	$0.00	$0.00	$0.00	$0.00	0.00%
R 602-36100 Interest Earned	$500.00	$27.97	$512.82	-$12.82	102.56%
R 602-36904 Dividend Income	$0.00	$0.00	$15.75	-$15.75	0.00%
R 602-36930 Recovery of Prior yr exp.	$0.00	$0.00	$0.00	$0.00	0.00%
R 602-38110 Water Rents	$70,000.00	$5,917.17	$73,864.56	-$3,864.56	105.52%
R 602-38115 Water Base Charge	$20,000.00	$1,635.66	$20,761.46	-$761.46	103.81%
R 602-38120 Bulk Water Sales	$0.00	$0.00	$816.75	-$816.75	0.00%
R 602-38130 Sale of Supplies	$0.00	$0.00	$9.70	-$9.70	0.00%
R 602-38140 Line Connection fee	$300.00	$0.00	$0.00	$300.00	0.00%
R 602-38190 Other water income	$2,000.00	$160.00	$3,042.79	-$1,042.79	152.14%
R 602-39130 Sale of Muni. Property	$0.00	$0.00	$0.00	$0.00	0.00%
FUND 602 WATER FUND	$92,800.00	$7,740.80	$99,023.83	-$6,223.83	106.71%
FUND 604 SEWER FUND					
R 604-33499 Other State Grants	$0.00	$0.00	$0.00	$0.00	0.00%
R 604-36100 Interest Earned	$350.00	$68.09	$635.66	-$285.66	181.62%
R 604-36900 Other	$0.00	$0.00	$0.00	$0.00	0.00%
R 604-36904 Dividend Income	$20.00	$0.00	$10.50	$9.50	52.50%
R 604-36930 Recovery of Prior yr exp.	$100.00	$0.00	$0.00	$100.00	0.00%
R 604-38130 Sale of Supplies	$0.00	$0.00	$0.00	$0.00	0.00%
R 604-38140 Line Connection fee	$300.00	$0.00	$0.00	$300.00	0.00%
R 604-38310 Sewer Rents	$19,000.00	$1,601.65	$20,498.54	-$1,498.54	107.89%
R 604-38315 Sewer Base Charge	$65,000.00	$5,642.00	$71,332.66	-$6,332.66	109.74%
R 604-38320 Late fees - sewer	$2,000.00	$160.00	$3,042.81	-$1,042.81	152.14%
R 604-39101 Transfers In	$0.00	$0.00	$0.00	$0.00	0.00%
R 604-39124 Other Bonds Issued	$0.00	$0.00	$0.00	$0.00	0.00%
R 604-39130 Sale of Muni. Property	$0.00	$0.00	$0.00	$0.00	0.00%
FUND 604 SEWER FUND	$86,770.00	$7,471.74	$95,520.17	-$8,750.17	110.08%
	$618,808.00	$63,305.17	$652,214.77	-$33,406.77	105.40%

CITY OF BRIDGEWATER

Revenue Guideline

Current Period: DECEMBER 2015

Account Descr	2015 YTD Budget	DECEMBER 2015 Amt	2015 YTD Amt	Balance	% of Budget
FUND 101 GENERAL FUND					
R 101-31100 Gen. Prop.Taxes Current	$135,285.00	$20,252.80	$127,141.08	$8,143.92	93.98%
R 101-31120 Gen. Prop.Taxes Delinquent	$2,500.00	$631.74	$2,579.86	-$79.86	103.19%
R 101-31170 Mobile Home Tax	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-31300 Gen. Sales & Use Tax	$81,000.00	$10,035.49	$83,551.93	-$2,551.93	103.15%
R 101-31500 Amusement Taxes	$25.00	$0.00	$12.00	$13.00	48.00%
R 101-31800 Tax Deed Revenue	$100.00	$0.00	$0.00	$100.00	0.00%
R 101-31900 Penalties and Int. Delinq.Tax	$600.00	$247.59	$620.06	-$20.06	103.34%
R 101-32000 Licenses and Permits	$800.00	$14.00	$921.00	-$121.00	115.13%
R 101-33110 Federal Grant FEMA	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-33420 State Grant FEMA	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-33499 Other State Grants	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-33501 Bank Franchise Tax	$700.00	$0.00	$791.02	-$91.02	113.00%
R 101-33502 MV Commercial Prorate	$1,500.00	$0.00	$1,906.66	-$406.66	127.11%
R 101-33503 Liquor Tax Reversion	$3,600.00	$0.00	$3,059.41	$540.59	84.98%
R 101-33504 Motor Veh. Lic. (5%)	$6,500.00	$881.93	$9,229.47	-$2,729.47	141.99%
R 101-33801 County Road Tax	$1,028.00	$0.00	$1,028.28	-$0.28	100.03%
R 101-33802 County HBR Tax	$14,000.00	$0.00	$19,459.21	-$5,459.21	138.99%
R 101-33803 County Wheel Tax	$2,800.00	$0.00	$3,137.02	-$337.02	112.04%
R 101-34420 Mowing & weed cutting	$150.00	$0.00	$300.00	-$150.00	200.00%
R 101-34599 Health Other	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-35100 Court Costs and Fines	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-35900 Parking tickets	$0.00	$50.00	$50.00	-$50.00	0.00%
R 101-36100 Interest Earned	$850.00	$66.54	$1,055.05	-$205.05	124.12%
R 101-36200 Rentals	$300.00	$0.00	$0.00	$300.00	0.00%
R 101-36210 Rental of Firehall	$1,200.00	$200.00	$1,400.00	-$200.00	116.67%
R 101-36220 Firehall chair & table rental	$100.00	$0.00	$104.50	-$4.50	104.50%
R 101-36240 Site Lease Agreement	$3,500.00	$0.00	$3,675.00	-$175.00	105.00%
R 101-36700 Contributions/Donations/Priva	$300.00	$0.00	$58.87	$241.13	19.62%
R 101-36710 Fire Dist. Contribution	$7,000.00	$0.00	$10,280.52	-$3,280.52	146.86%
R 101-36900 Other	$500.00	$0.00	$8.95	$491.05	1.79%
R 101-36904 Dividend Income	$300.00	$0.00	$176.00	$124.00	58.67%
R 101-36910 Cable TV Franchise Fee	$2,000.00	$0.00	$2,560.63	-$560.63	128.03%
R 101-36930 Recovery of Prior yr exp.	$50.00	$0.00	$0.00	$50.00	0.00%
R 101-39101 Transfers In	$0.00	$0.00	$0.00	$0.00	0.00%
R 101-39130 Sale of Muni. Property	$0.00	$0.00	$2,630.00	-$2,630.00	0.00%
FUND 101 GENERAL FUND	$266,688.00	$32,380.09	$275,736.52	-$9,048.52	103.39%
FUND 102 AMBULANCE					
R 102-33910 McCook Co contribution	$34,750.00	$2,936.41	$35,237.00	-$487.00	101.40%
R 102-33920 Hanson Co contribution	$500.00	$0.00	$500.00	$0.00	100.00%
R 102-34700 Ambulance	$30,000.00	$6,162.78	$33,212.68	-$3,212.68	110.71%
R 102-36100 Interest Earned	$400.00	$32.76	$486.65	-$86.65	121.66%
R 102-36700 Contributions/Donations/Priva	$0.00	$149.45	$794.45	-$794.45	0.00%
R 102-36900 Other	$0.00	$0.00	$0.00	$0.00	0.00%
R 102-36904 Dividend Income	$0.00	$0.00	$20.55	-$20.55	0.00%
R 102-36930 Recovery of Prior yr exp.	$100.00	$10.00	$165.00	-$65.00	165.00%
R 102-39130 Sale of Muni. Property	$0.00	$0.00	$0.00	$0.00	0.00%
FUND 102 AMBULANCE	$65,750.00	$9,291.40	$70,416.33	-$4,666.33	107.10%
FUND 103 GARBAGE FEE COLLECTION					
R 103-34410 Garbage collection fees	$47,000.00	$3,578.25	$45,308.25	$1,691.75	96.40%
R 103-36900 Other	$0.00	$17.07	$71.60	-$71.60	0.00%

CITY OF BRIDGEWATER

Expenditure Guideline

Current Period: DECEMBER 2015

Account Descr	2015 YTD Budget	DECEMBER 2015 Amt	2015 YTD Amt	Balance	% of Budget
E 102-44600-42600 Supplies & Materials	$3,500.00	$69.14	$3,097.75	$402.25	88.51%
E 102-44600-42700 Travel & Conference	$750.00	$0.00	$31.82	$718.18	4.24%
E 102-44600-42800 Utilities	$360.00	$52.44	$370.60	-$10.60	102.94%
E 102-44600-42900 Other Current Expense	$250.00	$15.60	$178.60	$71.40	71.44%
E 102-44600-42910 Dues & Subscriptions	$0.00	$0.00	$0.00	$0.00	0.00%
E 102-44600-43400 Machinery & Equipment	$12,250.00	$0.00	$12,244.87	$5.13	99.96%
E 102-44600-43410 Computer Software	$100.00	$0.00	$133.06	-$33.06	133.06%
E 102-44600-43450 Vehicle replacement	$5,000.00	$5,000.00	$5,000.00	$0.00	100.00%
DEPT 44600 Ambulance	$73,070.00	$9,211.38	$71,172.84	$1,897.16	97.40%
FUND 102 AMBULANCE	$73,070.00	$9,211.38	$71,172.84	$1,897.16	97.40%
FUND 103 GARBAGE FEE COLLECTION					
DEPT 43200 Garbage					
E 103-43200-42900 Other Current Expense	$0.00	$0.00	$25.00	-$25.00	0.00%
E 103-43200-45200 Payment to Addy	$47,000.00	$3,861.00	$45,357.00	$1,643.00	96.50%
DEPT 43200 Garbage	$47,000.00	$3,861.00	$45,382.00	$1,618.00	96.56%
FUND 103 GARBAGE FEE COLLECTION	$47,000.00	$3,861.00	$45,382.00	$1,618.00	96.56%
FUND 106 LIQUOR					
DEPT 49900 Liquor					
E 106-49900-41110 Finance Officer Salary	$2,000.00	$153.11	$2,043.26	-$43.26	102.16%
E 106-49900-41130 Bar Maintenance Salary	$200.00	$0.00	$0.00	$200.00	0.00%
E 106-49900-41200 Payroll Taxes	$170.00	$16.32	$155.81	$14.19	91.65%
E 106-49900-41310 SD Retirement	$132.00	$9.56	$119.14	$12.86	90.26%
E 106-49900-41400 Workmen s Compensatio	$10.00	$0.00	$0.00	$10.00	0.00%
E 106-49900-41500 Group Health Insurance	$1,700.00	$128.09	$1,612.08	$87.92	94.83%
E 106-49900-41600 Unemployment Compens	$10.00	$0.00	$1.19	$8.81	11.90%
E 106-49900-42100 Insurance	$1,500.00	$0.00	$1,603.13	-$103.13	106.88%
E 106-49900-42200 Prof. Services & Fees	$700.00	$0.00	$836.25	-$136.25	119.46%
E 106-49900-42300 Publishing	$25.00	$0.00	$191.41	-$166.41	765.64%
E 106-49900-42500 Repairs & Maintenance	$9,950.00	$2,906.92	$6,717.05	$3,232.95	67.51%
E 106-49900-42600 Supplies & Materials	$50.00	$0.00	$184.09	-$134.09	368.18%
E 106-49900-42620 Beer and Liquor	$50,000.00	$1,987.85	$44,224.83	$5,775.17	88.45%
E 106-49900-42800 Utilities	$0.00	$0.00	$0.00	$0.00	0.00%
E 106-49900-42900 Other Current Expense	$5,050.00	$50.00	$5,336.07	-$286.07	105.66%
E 106-49900-43400 Machinery & Equipment	$0.00	$0.00	$43.20	-$43.20	0.00%
E 106-49900-43410 Computer Software	$0.00	$0.00	$58.51	-$58.51	0.00%
DEPT 49900 Liquor	$71,497.00	$5,251.85	$63,126.02	$8,370.98	88.29%
FUND 106 LIQUOR	$71,497.00	$5,251.85	$63,126.02	$8,370.98	88.29%
FUND 250 ANNIVERSARY FUND					
DEPT 45100 Centennial					
E 250-45100-42600 Supplies & Materials	$0.00	$0.00	$0.00	$0.00	0.00%
E 250-45100-42900 Other Current Expense	$50.00	$0.00	$0.00	$50.00	0.00%
DEPT 45100 Centennial	$50.00	$0.00	$0.00	$50.00	0.00%
FUND 250 ANNIVERSARY FUND	$50.00	$0.00	$0.00	$50.00	0.00%
FUND 602 WATER FUND					
DEPT 43300 Water					
E 602-43300-41100 Salaries and Wages	$5,500.00	$440.04	$4,966.07	$533.93	90.29%
E 602-43300-41110 Finance Officer Salary	$5,000.00	$397.42	$5,183.77	-$183.77	103.68%
E 602-43300-41200 Payroll Taxes	$805.00	$66.68	$778.57	$26.43	96.72%
E 602-43300-41310 SD Retirement	$630.00	$73.91	$916.05	-$286.05	145.40%

CITY OF BRIDGEWATER

Expenditure Guideline

Current Period: DECEMBER 2015

Account Descr	2015 YTD Budget	DECEMBER 2015 Amt	2015 YTD Amt	Balance	% of Budget
E 602-43300-41400 Workmen s Compensatio	$350.00	$427.69	$371.26	-$21.26	106.07%
E 602-43300-41500 Group Health Insurance	$11,000.00	$816.60	$10,277.16	$722.84	93.43%
E 602-43300-41600 Unemployment Compens	$50.00	$0.00	$5.80	$44.20	11.60%
E 602-43300-42100 Insurance	$500.00	$0.00	$304.41	$195.59	60.88%
E 602-43300-42200 Prof. Services & Fees	$2,000.00	$0.00	$1,785.00	$215.00	89.25%
E 602-43300-42300 Publishing	$150.00	$0.00	$66.65	$83.35	44.43%
E 602-43300-42500 Repairs & Maintenance	$7,500.00	$86.00	$2,739.95	$4,760.05	36.53%
E 602-43300-42600 Supplies & Materials	$7,000.00	$235.93	$2,799.49	$4,200.51	39.99%
E 602-43300-42629 Hanson Water	$45,000.00	$3,579.00	$49,017.00	-$4,017.00	108.93%
E 602-43300-42700 Travel & Conference	$100.00	$0.00	$0.00	$100.00	0.00%
E 602-43300-42800 Utilities	$3,500.00	$112.63	$2,552.13	$947.87	72.92%
E 602-43300-42900 Other Current Expense	$100.00	$0.00	$69.69	$30.31	69.69%
E 602-43300-42910 Dues & Subscriptions	$600.00	$0.00	$571.00	$29.00	95.17%
E 602-43300-43300 Improvmt Other Than Bui	$0.00	$0.00	$0.00	$0.00	0.00%
E 602-43300-43400 Machinery & Equipment	$1,000.00	$0.00	$345.90	$654.10	34.59%
E 602-43300-43410 Computer Software	$50.00	$0.00	$195.12	-$145.12	390.24%
E 602-43300-51100 Operating transfer out	$0.00	$0.00	$0.00	$0.00	0.00%
DEPT 43300 Water	$90,835.00	$6,235.90	$82,945.02	$7,889.98	91.31%
FUND 602 WATER FUND	$90,835.00	$6,235.90	$82,945.02	$7,889.98	91.31%
FUND 604 SEWER FUND					
DEPT 43250 Sewer					
E 604-43250-41100 Salaries and Wages	$6,000.00	$579.00	$5,770.83	$229.17	96.18%
E 604-43250-41110 Finance Officer Salary	$5,000.00	$397.41	$5,183.71	-$183.71	103.67%
E 604-43250-41200 Payroll Taxes	$845.00	$60.18	$823.83	$21.17	97.49%
E 604-43250-41310 SD Retirement	$660.00	$57.64	$714.94	-$54.94	108.32%
E 604-43250-41400 Workmen s Compensatio	$200.00	$285.12	$247.51	-$47.51	123.76%
E 604-43250-41500 Group Health Insurance	$8,700.00	$656.49	$8,262.12	$437.88	94.97%
E 604-43250-41600 Unemployment Compens	$50.00	$0.00	$5.90	$44.10	11.80%
E 604-43250-42100 Insurance	$300.00	$0.00	$279.58	$20.42	93.19%
E 604-43250-42200 Prof. Services & Fees	$2,000.00	$0.00	$1,785.00	$215.00	89.25%
E 604-43250-42300 Publishing	$150.00	$0.00	$11.25	$138.75	7.50%
E 604-43250-42500 Repairs & Maintenance	$5,000.00	$0.00	$2,245.52	$2,754.48	44.91%
E 604-43250-42520 Sewer Cleaning	$4,000.00	$0.00	$459.00	$3,541.00	11.48%
E 604-43250-42600 Supplies & Materials	$6,000.00	$157.29	$7,100.24	-$1,100.24	118.34%
E 604-43250-42700 Travel & Conference	$50.00	$6.30	$6.30	$43.70	12.60%
E 604-43250-42800 Utilities	$2,500.00	$86.58	$1,847.44	$652.56	73.90%
E 604-43250-42900 Other Current Expense	$0.00	$0.00	$9.89	-$9.89	0.00%
E 604-43250-42910 Dues & Subscriptions	$600.00	$0.00	$562.00	$38.00	93.67%
E 604-43250-42930 Fuel/Freight Surcharges	$0.00	$0.00	$141.30	-$141.30	0.00%
E 604-43250-43300 Improvmt Other Than Bui	$0.00	$0.00	$0.00	$0.00	0.00%
E 604-43250-43400 Machinery & Equipment	$0.00	$500.00	$768.39	-$768.39	0.00%
E 604-43250-43410 Computer Software	$50.00	$0.00	$181.28	-$131.28	362.56%
E 604-43250-44120 2007 SRF Principal	$14,933.00	$0.00	$14,933.00	$0.00	100.00%
E 604-43250-44125 2012 SRF Principal	$5,395.00	$0.00	$5,394.14	$0.86	99.98%
E 604-43250-44220 2007 SRF Interest	$6,999.00	$0.00	$6,998.20	$0.80	99.99%
E 604-43250-44225 2012 SRF Interest	$8,012.00	$0.00	$8,011.02	$0.98	99.99%
DEPT 43250 Sewer	$77,444.00	$2,786.01	$71,742.39	$5,701.61	92.64%
FUND 604 SEWER FUND	$77,444.00	$2,786.01	$71,742.39	$5,701.61	92.64%
	$752,221.00	$46,008.34	$679,005.86	$73,215.14	90.27%

CITY OF BRIDGEWATER

Expenditure Guideline

Current Period: FEBRUARY 2016

Account Descr	2016 YTD Budget	FEBRUARY 2016 Amt	2016 YTD Amt	Balance	% of Budget
E 102-44600-42600 Supplies & Materials	$3,000.00	$194.74	$257.16	$2,742.84	8.57%
E 102-44600-42700 Travel & Conference	$750.00	$463.98	$463.98	$286.02	61.86%
E 102-44600-42800 Utilities	$400.00	$52.62	$61.69	$338.31	15.42%
E 102-44600-42900 Other Current Expense	$250.00	$16.12	$32.24	$217.76	12.90%
E 102-44600-42910 Dues & Subscriptions	$0.00	$75.00	$75.00	-$75.00	0.00%
E 102-44600-43400 Machinery & Equipment	$5,000.00	$0.00	$0.00	$5,000.00	0.00%
E 102-44600-43410 Computer Software	$100.00	$0.00	$0.00	$100.00	0.00%
E 102-44600-43450 Vehicle replacement	$0.00	$0.00	$0.00	$0.00	0.00%
DEPT 44600 Ambulance	$58,860.00	$4,066.07	$7,687.96	$51,172.04	13.06%
FUND 102 AMBULANCE	$58,860.00	$4,066.07	$7,687.96	$51,172.04	13.06%
FUND 103 GARBAGE FEE COLLECTION					
DEPT 43200 Garbage					
E 103-43200-42900 Other Current Expense	$0.00	$0.00	$0.00	$0.00	0.00%
E 103-43200-45200 Payment to Addy	$47,000.00	$0.00	$3,861.00	$43,139.00	8.21%
DEPT 43200 Garbage	$47,000.00	$0.00	$3,861.00	$43,139.00	8.21%
FUND 103 GARBAGE FEE COLLECTION	$47,000.00	$0.00	$3,861.00	$43,139.00	8.21%
FUND 106 LIQUOR					
DEPT 49900 Liquor					
E 106-49900-41110 Finance Officer Salary	$2,000.00	$77.17	$236.85	$1,763.15	11.84%
E 106-49900-41130 Bar Maintenance Salary	$200.00	$0.00	$0.00	$200.00	0.00%
E 106-49900-41200 Payroll Taxes	$170.00	$12.21	$23.92	$146.08	14.07%
E 106-49900-41310 SD Retirement	$132.00	$9.55	$18.63	$113.37	14.11%
E 106-49900-41400 Workmen s Compensatio	$10.00	$0.00	$0.00	$10.00	0.00%
E 106-49900-41500 Group Health Insurance	$1,600.00	$128.09	$256.18	$1,343.82	16.01%
E 106-49900-41600 Unemployment Compens	$10.00	$0.00	$0.00	$10.00	0.00%
E 106-49900-42100 Insurance	$1,600.00	$0.00	$0.00	$1,600.00	0.00%
E 106-49900-42200 Prof. Services & Fees	$700.00	$0.00	$0.00	$700.00	0.00%
E 106-49900-42300 Publishing	$25.00	$0.00	$0.00	$25.00	0.00%
E 106-49900-42500 Repairs & Maintenance	$2,000.00	$0.00	$392.86	$1,607.14	19.64%
E 106-49900-42600 Supplies & Materials	$50.00	$0.00	$0.00	$50.00	0.00%
E 106-49900-42620 Beer and Liquor	$50,000.00	$1,791.20	$3,900.12	$46,099.88	7.80%
E 106-49900-42800 Utilities	$0.00	$0.00	$0.00	$0.00	0.00%
E 106-49900-42900 Other Current Expense	$0.00	$0.00	$0.00	$0.00	0.00%
E 106-49900-43400 Machinery & Equipment	$0.00	$0.00	$0.00	$0.00	0.00%
E 106-49900-43410 Computer Software	$0.00	$0.00	$0.00	$0.00	0.00%
DEPT 49900 Liquor	$58,497.00	$2,018.22	$4,828.56	$53,668.44	8.25%
FUND 106 LIQUOR	$58,497.00	$2,018.22	$4,828.56	$53,668.44	8.25%
FUND 250 ANNIVERSARY FUND					
DEPT 45100 Centennial					
E 250-45100-42600 Supplies & Materials	$0.00	$0.00	$0.00	$0.00	0.00%
E 250-45100-42900 Other Current Expense	$50.00	$0.00	$0.00	$50.00	0.00%
DEPT 45100 Centennial	$50.00	$0.00	$0.00	$50.00	0.00%
FUND 250 ANNIVERSARY FUND	$50.00	$0.00	$0.00	$50.00	0.00%
FUND 602 WATER FUND					
DEPT 43300 Water	2016 Budget				
E 602-43300-41100 Salaries and Wages	$5,500.00	$274.28	$956.90	$4,543.10	17.40%
E 602-43300-41110 Finance Officer Salary	$5,000.00	$204.66	$620.43	$4,379.57	12.41%
E 602-43300-41200 Payroll Taxes	$805.00	$84.02	$148.09	$656.91	18.40%
E 602-43300-41310 SD Retirement	$630.00	$75.66	$146.30	$483.70	23.22%

CITY OF BRIDGEWATER

Expenditure Guideline

Current Period: FEBRUARY 2016

Account Descr	2016 YTD Budget	FEBRUARY 2016 Amt	2016 YTD Amt	Balance	% of Budget
E 602-43300-41400 Workmen s Compensatio	$350.00	$0.00	$0.00	$350.00	0.00%
E 602-43300-41500 Group Health Insurance	$10,500.00	$816.60	$1,633.20	$8,866.80	15.55%
E 602-43300-41600 Unemployment Compens	$25.00	$0.00	$0.00	$25.00	0.00%
E 602-43300-42100 Insurance	$500.00	$0.00	$0.00	$500.00	0.00%
E 602-43300-42200 Prof. Services & Fees	$2,000.00	$0.00	$0.00	$2,000.00	0.00%
E 602-43300-42300 Publishing	$150.00	$0.00	$0.00	$150.00	0.00%
E 602-43300-42500 Repairs & Maintenance	$7,500.00	$68.55	$261.82	$7,238.18	3.49%
E 602-43300-42600 Supplies & Materials	$7,000.00	$601.57	$827.46	$6,172.54	11.82%
E 602-43300-42629 Hanson Water	$45,000.00	$0.00	$3,834.50	$41,165.50	8.52%
E 602-43300-42700 Travel & Conference	$100.00	$0.00	$13.31	$86.69	13.31%
E 602-43300-42800 Utilities	$3,500.00	$224.18	$744.31	$2,755.69	21.27%
E 602-43300-42900 Other Current Expense	$100.00	$4.86	$4.86	$95.14	4.86%
E 602-43300-42910 Dues & Subscriptions	$600.00	$0.00	$351.00	$249.00	58.50%
E 602-43300-43300 Improvmt Other Than B	$0.00	$0.00	$0.00	$0.00	0.00%
E 602-43300-43400 Machinery & Equipment	$1,000.00	$5,640.00	$5,640.00	-$4,640.00	564.00%
E 602-43300-43410 Computer Software	$100.00	$0.00	$0.00	$100.00	0.00%
E 602-43300-51100 Operating transfer out	$0.00	$0.00	$0.00	$0.00	0.00%
DEPT 43300 Water	$90,360.00	$7,994.38	$15,182.18	$75,177.82	16.80%
FUND 602 WATER FUND	$90,360.00	$7,994.38	$15,182.18	$75,177.82	16.80%
FUND 604 SEWER FUND					
DEPT 43250 Sewer					
E 604-43250-41100 Salaries and Wages	$6,500.00	$262.35	$771.91	$5,728.09	11.88%
E 604-43250-41110 Finance Officer Salary	$5,000.00	$204.66	$620.43	$4,379.57	12.41%
E 604-43250-41200 Payroll Taxes	$880.00	$70.79	$145.48	$734.52	16.53%
E 604-43250-41310 SD Retirement	$690.00	$58.79	$113.84	$576.16	16.50%
E 604-43250-41400 Workmen s Compensatio	$200.00	$0.00	$0.00	$200.00	0.00%
E 604-43250-41500 Group Health Insurance	$8,000.00	$656.49	$1,312.98	$6,687.02	16.41%
E 604-43250-41600 Unemployment Compens	$25.00	$0.00	$0.00	$25.00	0.00%
E 604-43250-42100 Insurance	$300.00	$0.00	$0.00	$300.00	0.00%
E 604-43250-42200 Prof. Services & Fees	$2,000.00	$0.00	$0.00	$2,000.00	0.00%
E 604-43250-42300 Publishing	$150.00	$0.00	$0.00	$150.00	0.00%
E 604-43250-42500 Repairs & Maintenance	$5,000.00	$45.70	$187.70	$4,812.30	3.75%
E 604-43250-42520 Sewer Cleaning	$4,000.00	$0.00	$0.00	$4,000.00	0.00%
E 604-43250-42600 Supplies & Materials	$6,000.00	$180.92	$4,769.21	$1,230.79	79.49%
E 604-43250-42700 Travel & Conference	$50.00	$0.00	$8.88	$41.12	17.76%
E 604-43250-42800 Utilities	$2,600.00	$82.50	$429.73	$2,170.27	16.53%
E 604-43250-42900 Other Current Expense	$0.00	$3.24	$3.24	-$3.24	0.00%
E 604-43250-42910 Dues & Subscriptions	$600.00	$0.00	$562.00	$38.00	93.67%
E 604-43250-42930 Fuel/Freight Surcharges	$100.00	$0.00	$0.00	$100.00	0.00%
E 604-43250-43300 Improvmt Other Than B	$0.00	$0.00	$0.00	$0.00	0.00%
E 604-43250-43400 Machinery & Equipment	$0.00	$3,760.00	$3,760.00	-$3,760.00	0.00%
E 604-43250-43410 Computer Software	$100.00	$0.00	$0.00	$100.00	0.00%
E 604-43250-44120 2007 SRF Principal	$15,425.00	$0.00	$3,809.38	$11,615.62	24.70%
E 604-43250-44125 2012 SRF Principal	$5,575.00	$0.00	$1,376.03	$4,198.97	24.68%
E 604-43250-44220 2007 SRF Interest	$6,510.00	$0.00	$1,673.42	$4,836.58	25.71%
E 604-43250-44225 2012 SRF Interest	$7,850.00	$0.00	$1,975.26	$5,874.74	25.16%
DEPT 43250 Sewer	$77,555.00	$5,325.44	$21,519.49	$56,035.51	27.75%
FUND 604 SEWER FUND	$77,555.00	$5,325.44	$21,519.49	$56,035.51	27.75%
	$616,578.00	$39,494.31	$89,264.80	$527,313.20	14.48%

COPY

CITY OF BRIDGEWATER, SOUTH DAKOTA
ORDINANCE NO. A-97
2016 APPROPRIATION ORDINANCE

Be it ordained by the City of Bridgewater that the following sums are appropriated to meet the obligations of the municipality.

Part I Governmental Funds	**General Fund**	**Anniversary Fund**
410 General Government		
411 Mayor & Council	$21,817	
411.5 Contingency	$10,000	
413 Elections	$560	
414.2 Finance Officer	$28,055	
419.2 Government Buildings	$10,838	
Total General Government	$71,270	
420 Public Safety		
421 Police	$25,410	
422 Fire	$18,967	
429.1 Civil Defense	$350	
Total Public Safety	$44,727	
430 Public Works		
431 Streets & Alleys	$119,650	
431.5 Storm Sewer	$4,000	
432 Garbage Collection	$47,000	
432.4 Landfill/Dump	$1,024	
Total Public Works	$171,674	
440 Health and Welfare		
441.2 Animal Control	$482	
441.3 Health Regulation/West Nile	$8,370	
441.4 City-Wide Cleanup	$2,650	
446 Ambulance	$58,860	
Total Health and Welfare	$70,362	
450 Culture and Recreation		
451 Anniversary		$50
451.1 4th of July	$3,108	
452 Parks	$22,475	
Total Culture and Recreation	$25,583	$50
460 Conservation and Development		
465.3 Promoting the City	$1,500	
Total Conservation and Development	$1,500	
490 Miscellaneous		
449 Liquor	$58,497	
Total Miscellaneous	$58,497	
TOTAL 2015 APPROPRIATIONS	**$443,613**	**$50**

Part II

The following designates the fund or funds that money derived from the following sources is applied to.

Governmental Funds		
Undesignated Fund Balance	-$2,590	
310 Taxes	$224,650	
320 Licenses and Permits	$800	
330 Intergovernmental Revenue	$66,778	
340 Charges for Goods and Services	$77,150	
350 Fines and Forfeits	$0	
360 Miscellaneous Revenue	$76,825	$50
Total Means of Finance	**$443,613**	**$50**

CITY OF BRIDGEWATER, SOUTH DAKOTA
ORDINANCE NO. A-97
2016 APPROPRIATION ORDINANCE
(continued)

	Water Fund	Sewer Fund
Proprietary Funds		
Beginning Cash	$134,177	$171,659
Estimated Revenue	$100,800	$93,600
TOTAL REVENUE AVAILABLE	$234,977	$265,259
Less Appropriations	$85,751	$39,902
Less System Debt Service (2 SRF Loans)		$35,337
ESTIMATED SURPLUS	$149,226	$190,020
Less Depreciation Acct.		$1,200
Less Repair & Replacement Reserves		$500
Less Surplus Account		-$15,215
Less Sinking Fund Balances		$1,000
ESTIMATED BALANCE REMAINING	**$149,226**	**$202,535**

Part IV

The Finance Officer is directed to certify the following dollar amount of tax levies made in this ordinance to the County Auditor.

9-8-15

Signed and Dated by Mayor, Acting Mayor, or President of Council

Ordinance A-97 published once at the total approximate cost of $ 69.38

CITY OF BRIDGEWATER SEAL SOUTH DAKOTA

Public Notice

CITY OF BRIDGEWATER
NOTICE OF PUBLIC HEARING

Notice is hereby given that the City of Bridgewater will hold a Public Hearing on Monday, March 7th, 2016, regarding drinking water improvements in the City of Bridgewater. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for any loans. The public is invited to attend and comment on the project.

The City expects to submit an application to the State of South Dakota for a Community Development Block Grant (CDBG) to make improvements to its water distribution system. The City expects to apply for approximately $117,500 of CDBG funds to be used for the proposed project, which will cost approximately $239,200 for drinking water improvements.

The City is seeking up to $121,700 of funding from the Board of Water and Natural Resources for water distribution improvements. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the Drinking Water State Revolving Funds (SRF) Program. The expected Drinking Water SRF loan terms are 3.25 percent for 30 years, and the Board of Water and Natural Resources may forgive all or a portion of the loan principal.

Public comments will also be taken during this public hearing on the City of Bridgewater's community development and housing needs.

This public hearing will be held at the following time, date and location:

7:00 P.M.
March 7th, 2016
Bridgewater City Hall (232 North Main Avenue, Bridgewater, SD)

In compliance with the Americans with Disabilities Act (ADA), if you need special assistance to participate in this hearing, please contact the Bridgewater Finance Officer at (605) 729-2690. Anyone who is deaf, hard-of-hearing or speech-disabled may utilize Relay South Dakota at (800) 877-1113 (TTY/Voice). Notification 48 hours prior to the hearing will enable the City to make reasonable arrangements to ensure accessibility to this hearing.

Joan M Julson
Bridgewater Finance Officer

Published once at the total approximate cost of $24.66.

2-25

Printer's Affidavit of Publication

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
)SS
COUNTY OF McCOOK)

TROY SCHWANS of said County and State, being first duly sworn on his oath, says THE BRIDGEWATER TRIBUNE is a weekly newspaper of general circulation, printed and published in Bridgewater, McCook County and State of South Dakota, and has been such newspaper during the times hereinafter mentioned; that the said newspaper is a legal newspaper, that it has a bonafide circulation of more than 200 copies weekly, that it has been published within said County of McCook for more than fifty-two successive weeks prior to the publication of the notice hereinafter mentioned and has been printed during said period and at the present time, in whole in an office maintained at said place of publication; and that I, the undersigned, am publisher or employee of said newspaper, in charge of the advertising department thereof, and have personal knowledge of all facts in this affidavit;

that the advertisement headed. Notice of public hearing

a printed copy of which is hereto attached, was printed and published in the newspaper for. 1. weeks; that said notice was published in the issues of said paper on the dates as follows, to wit:

The first publication being made on 2/25 20 16

the second publication on. ..., 20 ....

the third publication on. ..., 20 ....

the fourth publication on. ..., 20 ....

the fifth publication on. ..., 20 ....

the sixth publication on. ..., 20 ....

and the last publication on. ..., 20 ....

JILL R LETCHER
SEAL NOTARY PUBLIC SOUTH DAKOTA SEAL

that $ 24.66. being the full amount of the fees for publication of the annexed notice, insures solely to the benefit of the publisher of the said newspaper; that no agreement or understanding for a division thereof has been made with any person and that no part thereof has been agreed to be paid to any person whomsoever.

Subscribed and sworn to before me this. 3rd

day of. March, 20 16

Jill R Letcher

Notary Public, McCook County

My commission expires. 12-17-20

City of Bridgewater

Public Hearing For CDBG and DW-SRF Applications
Bridgewater Main Street Water Distribution Improvement
7:00 PM, Monday, March 7th, 2016
Bridgewater City Hall (232 N. Main Ave., Bridgewater, SD)

Please sign in:

NAME	ADDRESS / REPRESENTING
Shelley Safar	Bridgewater SD
Jean Britts	701 N Main Ave Bridgewater SD
Ken Haugen	350 5th Bridgewater SD
Leslie Mastrovicenzo	SECOG
Vernon Arens	Arens Engineering Yankton, SD 57078
Michael Damm	Mayor - Bridgewater SD
[illegible]	Council member Bridgewater SD
[illegible] Powell	council Member Bridgewater SD
Bob Anderson	Council Person Bridgewater SD
Tim Ettl	City maintenance
MARK HOLLETS	McCook Co Sheriff Salem SD
Ron Schauffenberg	Mc Cook Co. Comm. Bridgewater SD
Robert Edgar	Rural Fire Board Bridgewater
Jesse Sutton	700 E 3rd St. Bridgewater SD
Mike C Ell	Bwater City Attorney
Doug Gilbert	Bridgewater SD
Sandi Tschetter	740 E 6th St Bridgewater, SD
Frank Julson	Finance Officer Bridgewater SD

, Jewel Cave
other outdoor
competitive
fits. Contact
05) 673-9418
or log onto
n to apply.

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een.sd.us for
r@aberdeen.
Lincoln St.,
OE

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000 Bonus.
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day! (888)
bsons.com

Contact Tim Frederick at 605-845-9204 for more information. Certified Application and Resume can be mailed to: Mobridge-Pollock School District 62-6; Attn: Tim Frederick; 1107 1st Avenue East; Mobridge SD 57601. Open until filled. EOE.

ARLINGTON SCHOOL OPENINGS: Elementary Teacher W/WO Advisor Position and High School Science Teacher, W/WO advisor position. Open until filled. To apply, stop in the Business Office or visit http://www.arlington.k12.sd.us for more details.

ELK MOUNTAIN SCHOOL DISTRICT is seeking applications for a part-time superintendent for the 2016-2017 school year. The Board of Education is looking for a highly motivated, creative individual, who can lead the district in the education of its students. Submit your resume, documentation of appropriate credentials and a letter of interest to Joann Boggs, School Board President, 11181 Pleasant Valley Road, Edgemont, SD 57735 or Joannboggs@yahoo.com.

JOB ANNOUNCEMENTS St. Francis Indian School for the 2016-

Manager, and G
Program direc
requirements an
please visit htt
or call 605-747-2

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JILL R LETCHER
NOTARY PUBLIC
SOUTH DAKOTA
SEAL SEAL

Printer's Affidavit of Publication

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
)SS
COUNTY OF McCOOK)

TROY SCHWANS of said County and State, being first duly sworn on his oath, says THE BRIDGEWATER TRIBUNE is a weekly newspaper general circulation, printed and published in Bridgewater, McCook ounty and State of South Dakota, and has been such newspaper durg the times hereinafter mentioned; that the said newspaper is a legal ewspaper, that it has a bonafide circulation of more than 200 copies veekly, that it has been published within said County of McCook for nore than fifty-two successive weeks prior to the publication of the noice hereinafter mentioned and has been printed during said period and at the present time, in whole in an office maintained at said place of publication; and that I, the undersigned, am publisher or employee of said newspaper, in charge of the advertising department thereof, and have personal knowledge of all facts in this affidavit;

that the advertisement headed. Bridgewater City Council regular meeting minutes

a printed copy of which is hereto attached, was printed and published in the newspaper for. 1 weeks; that said notice was published in the issues of said paper on the dates as follows, to wit:

The first publication being made on 3/17 ,20 16

the second publication on. . . . . ,20 . . . .

the third publication on. . . . . ,20 . . . .

the fourth publication on. . . . . ,20 . . . .

the fifth publication on. . . . . ,20 . . . .

the sixth publication on. . . . . ,20 . . . .

and the last publication on. . . . . ,20 . . . .

that $ 178.74 being the full amount of the fees for publication of the annexed notice, insures solely to the benefit of the publisher of the said newspaper; that no agreement or understanding for a division thereof has been made with any person; and that no part thereof has been agreed to be paid to any person whomsoever.

Troy Schwans

Subscribed and sworn to before me this. 17th

day of. March ,20 16

Jill R Letcher

Notary Public, McCook County

My commission expires. 12-17-20

Printer's Affidavit of Publication

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA)
)SS
COUNTY OF McCOOK)

TROY SCHWANS of said County and State, being first duly sworn on his oath, says THE BRIDGEWATER TRIBUNE is a weekly newspaper ... circulation printed and published in Bridgewater, McCook ... newspaper dur-

Bridgewater City Council regular meet

Bridgewater City Council Regular Meeting Minutes
March 7, 2016 7:00 pm

The City Council of the City of Bridgewater met in the Council Room for their regular meeting on 03/07/2016. The meeting was called to order at 7:00 pm by Mayor Michael Damm. Due to lack of quorum, 3 members attended by telephone. Finance Officer instructed council that since this was a teleconference meeting, all motions would be roll call. (SDCL 1-25-1) Answering roll call were Bob Anderson, Mayor Damm, Zach Guenthner (telephone), Tony Hofer, Travis Holthaus (telephone), Jerry Paweltzki, and Lacey Weber (telephone). Others present: Finance Officer-Joan Julson, Maintenance–Todd Letcher, Leslie Mastroianni (SECOG), Shelley Safar, Jeannie Pritts, Steve Sievers, Vern Arens (Arens Engineering), Jessie Sutton, Bridgewater Rural Fire Board (Ross Glanzer & Doug Gilbert), Ken Haugen, Sandi Tschetter, Ron Scharffenberg, Attorney Mike Fink, and Sheriff Mark Norris.

The minutes of the Feb 8th regular meeting and Feb 22nd special meeting were sent to the council for reading prior to the meeting. Motion by Guenthner, second by Holthaus to approve the minutes of the Feb 8th regular meeting and Feb 22nd special meeting. Roll call vote: All voted aye. Motion carried.

The February Financial statement was sent out to the council for reviewing prior to the meeting. After discussion, a motion was made by Weber, second by Guenthner to approve the February Financial Statement. Roll call vote: All voted aye. Motion carried.

The bills for the month of February were reviewed. After discussion, a motion was made by Anderson, second by Hofer to approve the February bills. Roll call vote: All voted aye. Motion carried.

Maintenance Report:
- Pumping down at lagoon
- Getting ready for spring

At 7:10 Mayor Damm opened the Public Hearing for the CDBG & SRF funding for the Main Street Water Distribution Improvement Project. Leslie Mastroianni from SECOG spoke on each type of funding for this water project. Project total cost is $239,200. The funding request from SD DENR is $121,700 which could be awarded as 100% grant, 100% loan or a combination of loan & grant funds.

the Mayor for the City of Bridgewater is hereby designated the City's Project and Environmental Certifying Officer, for the purpose of signing correspondence and other required documents and forms.

Adopted this 7th day of March, 2016.
BY: Michael Damm, Mayor

ATTEST:

Joan M. Julson, Finance Officer

SEAL

Motion by Hofer, second by Paweltzki to pass Resolution #16-0307C. Roll call vote: All voted aye. Motion carried

CITY OF BRIDGEWATER
RESOLUTION # 16-0307C
DW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Bridgewater has determined the need for the Main Street Water Distribution Improvements Project; and

WHEREAS, loan assistance is necessary to enable the City of Bridgewater to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City Council is desirous of applying for up to a $121,700 30 year loan, to be repaid with water revenues, at 3.25% from the Drinking Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

1. The City of Bridgewater hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund its water distribution project.

2. Be it further resolved that the City of Bridgewater hereby authorizes its Mayor to act as Project Certifying Officer in connection with the applications, grant and/or loan agreements, and other required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 7th day of March, 2016.
BY: Michael Damm, Mayor

ATTEST:

Joan M. Julson, Finance Officer

SEAL

Bridgewater Rural Fire Board (Doug Gilbert and Ross Gla council with their 20 and approval of the f Motion by Anderson, to extend the Bridgew contract for 2016 and Dept Budget. Roll call Motion carried.

Motion by Weber to donate $1500 to t will be on August 27 Anderson-nay, Guer nay, Holthaus-aye, Pa aye. Motion failed. W disappointment in th supporting the Fall Fe

Public Input: Jear around pictures of backyard and inquire wasn't standing behi hiring a code enforcer in cleaning up the town that the code enforcer county is using to do t no qualifications. He uses a lawyer to scare up their property. A should have better would just like to se their property, asking up with more clean- various homeowners. that he feels the cour clean-up, but just doe may be the code enfo do it. This item was ta

Discussed 2015 Annual Report. ...

has been made with any person; and that no par... agreed to be paid to any person whomsoever.

Troy Schwans

Subscribed and sworn to before me this 17th day of March 2016

Jill R Letcher

Notary Public, McCook County

My commission expires 12-17-20

there is no required payback. Paweltzki brought up whether this would be a good time to loop the water line that feeds the south end of Main Ave to this water main we are going to replace. It was decided that this should have been brought up in the beginning of the project and now it would throw off the timeline for securing our funding for this current project. Vern Arens brought up that this could be put on this project as another phase to be done at another time since it would involve boring under Hwy 42 and the railroad lines. At this time Mastroianni asked if we had other priorities in our community. Ideas mentioned were street repairs, building code enforcement, housing code violations, exploring Brownfields or other solutions for the abandoned meat packing plant building, and adding the extension of the water main on south main looping our system.

Motion by Paweltzki, second by Guenthner to pass Resolution #16-0307A. Roll call vote: All voted aye. Motion carried

CITY OF BRIDGEWATER
RESOLUTION # 16-0307A
CDBG GRANT SPONSORSHIP

WHEREAS, the City of Bridgewater has determined a need for the Bridgewater Main Street Water Distribution Improvement Project, and

WHEREAS, the City of Bridgewater wishes to request assistance from the Community Development Block Grant (CDBG) Program of the South Dakota Governor's Office of Economic Development in the amount of $117,500 in order to meet the needs of the community; and

WHEREAS, the City of Bridgewater is eligible for Federal assistance for the proposed project; and

WHEREAS, with the submission of the CDBG application the City of Bridgewater assures and certifies that all CDBG program requirements will be fulfilled; and

WHEREAS, the City of Bridgewater has held the required public hearing on Monday, March 7th, 2016 for the Community Development Block Grant.

NOW THEREFORE BE IT RESOLVED, that the Mayor be authorized to execute the CDBG application for the City of Bridgewater.

Adopted this 7th day of March, 2016.

BY: Michael Damm, Mayor

ATTEST:

Joan M. Julson, Finance Officer

SEAL

Motion by Anderson, second by Hofer to pass Resolution #16-0307B. Roll call vote: All voted aye. Motion carried

CITY OF BRIDGEWATER
RESOLUTION # 16-0307B
PROJECT AND ENVIRONMENTAL CERTIFYING OFFICER

WHEREAS, the City of Bridgewater is applying for a Community Development Block Grant from the U.S. Department of Housing and Urban Development as administered by the State of South Dakota for the Bridgewater Main Street Water Distribution Improvement Project, and;

WHEREAS, the City of Bridgewater is required to designate a Project Certifying

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Drinking Water Facilities Plan document can be found at http://denr.sd.gov/dfta/wwf/dwsrf/dwfunding.aspx

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- Submission of a Facilities Plan to the department that addresses those items found in the Water Facilities Plan document. [X]
- A public hearing held discussing the project and the use of an SRF loan to finance the project. [X]
- Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan. [X]
- The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan. [X]
- The four review agencies contacted and responses received for inclusion into the final Facilities Plan. [X]
- The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. [X]

RECEIVED
FEB 22 2016

USER NAME PASSWORD

LOG IN

Forgot Username? Forgot Password?

Create an Account

SAM.gov will be down for a scheduled maintenance window Saturday 02/13/2016 from 8:00 AM to 2:00 PM (EST).

Name: Bridgewater City

Account Activated - Confirmation

Confirmation

Fri Feb 12 16:47:28 EST 2016

Thank you for activating your SAM account! You will be taken to the User Dashboard page. Once on the User Dashboard, you will have the option to migrate an account from a legacy system. Use the **Done** button to continue.

PRINT DONE

SAM | System for Award Management 1.0

IBM v1.P.42.20160129-1215

WWW1

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MAIN AVENUE WATER STUDY

CITY OF BRIDGEWATER

CITY COUNCIL

MICHAEL DAMM	MAYOR
JOAN JULSON	FINANCE OFFICER
BOB ANDERSON	COUNCIL MEMBER
ZACH GUENTHNER	COUNCIL MEMBER
TONY HOFER	COUNCIL MEMBER
TRAVIS HOLTHAUS	COUNCIL MEMBER
JERRY PAWELZKI	COUNCIL MEMBER
LACEY WEBER	COUNCIL MEMBER
MIKE FINK	CITY ATTORNEY
TODD LETCHER	UTILITY MANAGER

PREPARED BY

ARENS ENGINEERING

230 CAPITOL STREET

YANKTON, SOUTH DAKOTA

605-665-2002

MARCH, 2016

BRIDGEWATER MAIN AVENUE WATER STUDY

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APPENDIX A: AGENCIES COMMENT LETTERS

I. DISCUSSION OF PROBLEM

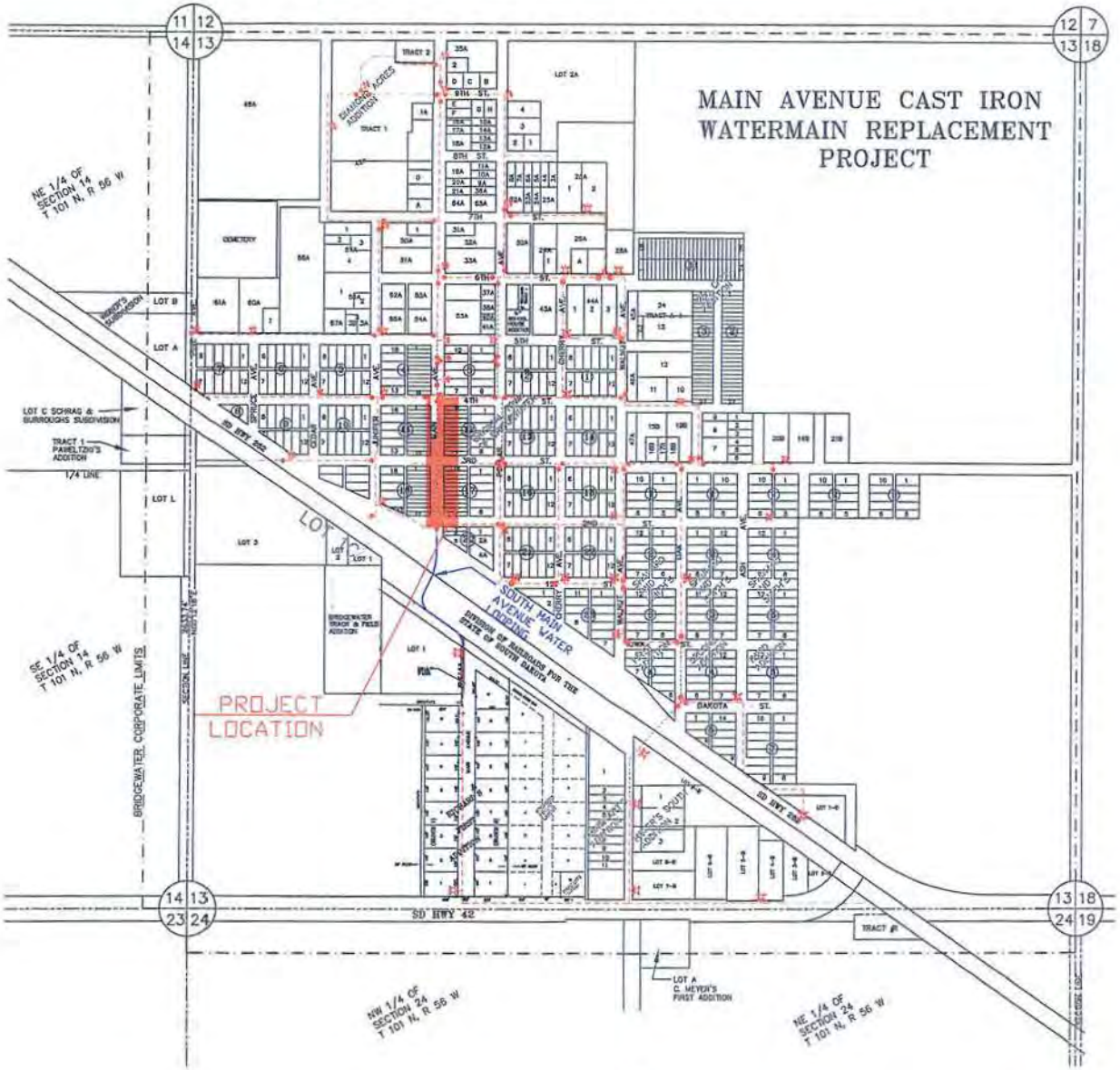
A. BACKGROUND

The City of Bridgewater is located in southwestern McCook County in southeastern South Dakota, approximately 30 miles southeast of Mitchell or 30 miles west of Sioux Falls, SD. Bridgewater is located 6 miles west of the intersection of US Highway 81 and SD Highway 42. The City of Bridgewater has essentially retained being a viable small community. The City is the third largest community is McCook County. The 1990 census population was 533 persons. The 2000 population was 607 persons. The City 2010 population was 492 persons. The City's population loss can be attributed to the regional out migration occurring in central South Dakota. The younger population is utilizing the job opportunities available in South Dakota ten largest communities. Bridgewater has an active Main Avenue business district, Highway 262 business strip and local agri-business sections in the community. The City has an active agricultural based business sector consisting of a bank, café, lounge, grocery store, grain elevator, ag-chemical companies, auto repair facilities, several trucking companies and several small manufacturing industries The community also has a Diamond Care Healthcare Nursing Home. Bridgewater's quiet country atmosphere and business activities are attractions for working families to become residents in the smaller communities and commute to work in Sioux Falls or Mitchell.

B. PROBLEM: WATER DISTRIBUTION SYSTEM

The City's original water distribution system was installed in 1910's -1920's consisting of 6" to 8" cast iron pipe, CIP. The original system as constructed generally served its intended purpose of distributing drinking water within the City of Bridgewater. The aged CIP system is subject to pipe corrosion leading to watermain breaks requiring repairs and the build-up of internal deposits restricting water flow in the pipe. In 1990's, the City of Bridgewater upgraded its water distribution system replacing the original cast iron piping with polyvinyl PVC water piping. The aged cast iron pipes were replaced except for two block of Main Avenue from Highway 262 to Fourth Street. This segment was not replaced as the water distribution system is under concrete pavement in the downtown business district. The section has experienced several water main breaks in recent years. The repaired pipe sections have shown substantial build-up on corrosion and sediment in the cast iron pipes. The City of Bridgewater has decided it is time to replace the final two blocks of the original cast iron water main piping.

The replacement pipe would be installed with the removal of the old cast iron pipe and installation the new 8" PVC piping in the same location. A 13 foot wide segment of the concrete pavement would be removed for the water main construction installation. The existing cast iron watermain is located 6 feet west of the east curb and gutter of Main Avenue. Replacing the CIP watermain at the same location aid in the finding and replacement of the water service lines connected to the water main. Water services on the east side of Main Avenue would be trenched a short distance to the existing curb stops located in the sidewalk area behind the curb and gutter. The existing curb stops would be replaced with new curb stops and connections made to the existing service extending into the business buildings. The water service lines for the west side of Main Avenue would be bored under the Main Avenue concrete pavement from the new PVC water main to the existing curb stops in the sidewalk behind the west curb and gutter. The existing curb stops would be replaced with new curb stops. This procedure will require sections of concrete sidewalk to be removed and replaced for the installation of the new curb stops and connections to the existing service lines into business buildings. Installing the new PVC water line in the same location as the existing cast iron water line will require temporary above ground water lines to serve the Main Avenue business while the new water line is being installed, disinfected, and pressure tested. After the businesses are reconnected to the new 8" PVC waterline, the temporary above ground water lines would be removed. Finally, the Main Avenue concrete pavement required removal for the water line installation would be replaced. See Exhibit A showing the proposed project site.



CITY OF BRIDGEWATER UTILITIES MAP

GRAPHIC SCALE

(IN FEET)
1 inch = 200 ft.

LEGEND

- FIRE HYDRANT
- WATER VALVE
- CURB STOP
- 10" WATERMAIN
- 8" WATERMAIN
- 6" WATERMAIN
- 4" WATERMAIN
- 2" WATERMAIN
- 1.5" WATERMAIN
- SERVICE LINE

EXHIBIT A

UTILITIES MAP
BRIDGEWATER, SOUTH DAKOTA

ARENS ENGINEERING		501 CAPITAL SUITE 1A YANKTON, SD 57078 (605) 665-2002	
DRAWN BY	J.R. HUDSON	DATE	02/28/03
CHECKED BY	V.J. ARENS	DRAWING NO.	20262
JOB NO.	20262	SHEET	1 OF 1

II. EXISTING AND FUTURE CONDITIONS

A. PROJECT NEED AND PLANNING AREA IDENTIFICATION

The water study planning area is the entire area within the City of Bridgewater City Limits as shown in the Water Distribution Map, Exhibit A.

B. WATER SUPPLY

The City of Bridgewater receives its drinking water supply from the Hanson Rural Water System.. The Hanson Rural Water System serves Hanson County in south central South Dakota by a network of water booster stations and water storage reservoirs. The City of Bridgewater is served by a 6" water line that comes up from the west adjacent to Highway 42. The rural water meter is located adjacent Highway 42 east of Walnut Avenue, the City of Bridgewater southern City Limits. The water usage is metered prior to being transfer to the community water distribution system.

C. WATER TOWER

The City's water distribution system's does not have a water tower. The City's water supply is the Hanson Rural Water System. The Hanson Rural Water System has a water tower southwest of the community. The tower is connected to the community with a water meter pit which limits the maximum metered flow to the community of 300 gallons per minute. In case of a fire event, the community can utilize a 6" un-metered by-pass line around the water meter pit, which would provide the community with fire protection.

D. ALTERNATIVE WATER SOURCE/STORAGE

Subsequent to the Hanson Rural Water System connection, the water supply source was a municipal well. The well is located in the same block as the City utility shed. The City has retained well to provide emergency fire protection supply. The old community water pressure tank was retained to provide the emergency fire protection supply. The tank is used only to fill the fire trucks and is not connected to the City's water distribution system. The utility building protects the emergency water tank from ice build-up damages since the tank have no water use except for filling the fire trucks.

D. ANNUAL WATER CONSUMPTION

The following Exhibit B provides the monthly water purchased from Hanson Rural Water System for year 2015. The annual daily per capita water consumption varied from 75.0 gallons per day per capita in July to 48.0 gallons per day per capita in March. The January – March plus the October – December cold weather month's water consumption was 54.8 gallons per day per capita. The water consumption is expected average consumption around 60 gallons per day per capita This is in line with the anticipated average water use for a municipality connected to a Rural Water System.

E. MONTHLY WATER LOSS ANALYSIS

The City of Bridgewater water distribution system is metered and the water billing system is based on water use.. The Monthly Water Loss Records are included in Exhibit C. The water loss analysis indicates that the water system has an approximate 10% water loss for 2015. There will be variations due to when the individual meters are read in relationship to when the rural water meter is read. The municipal water meters are read at the end of the month and the rural water meter is read at mid-month.

F. WATER DISTRIBUTION SYSTEM

The City's water distribution system was installed in 1900's consisting of 4, 6" and 8" cast iron water mains. The water distribution system has been upgraded by installing new PVC watermain for the majority of the community. The City of Bridgewater water distribution system is metered and the water billing system is based on water use.

The City has two blocks of remaining 8" cast iron water main. The cast iron water main segment is located on Main Avenue from Highway 262 north to South Street, see following map for the cast iron watermain location.. This is the downtown business district which was not disturbed during the 1990's water main replacement project. It is proposed that cast iron water lines be replaced by 8" PVC water main as a part of the water distribution improvement project. See Exhibit D for location map.

BRIDGEWATER MAIN AVENUE WATER STUDY
Monthly Water Loss Record
Gallons Bought from Hanson Rural Water System

YEAR MONTH	WATER BOUGHT	WATER SOLD	WATER LOSS	WATER PERCENT
2015				
JANUARY	1,112,000	841,090	270,910	24.4
FEBRUARY	801,000	797,630	3,370	0.4
MARCH	847,000	727,385	119,615	14.1
APRIL	861,000	717,400	143,600	16.7
MAY	1,078,000	932,010	145,990	13.5
JUNE	1,146,000	1,154,215	(8,215)	(0.7)
JULY	1,260,000	1,163,680	96,320	7.6
AUGUST	1,245,000	1,078,860	166,140	13.3
SEPTEMBER	1,111,000	1,073,230	37,770	3.4
OCTOBER	968,000	950,410	17,590	1.8
NOVEMBER	976,000	803,315	172,685	17.7
DECEMBER	864,000	867,560	(3,560)	(0.4)
TOTAL	12,269,000	11,106,770	1,162,230	9.5

EXHIBIT B

G. COMPLIANCE ISSUES

The City of Bridgewater water distribution system has two compliance issues. The first issue is the two block segments of cast iron water main on Main Avenue. Many of the water services lines in the segments are the original lead water service lines. The second compliance issue is a dead end water line on South Main Avenue between Highway 42 and the railroad tracks south of Highway 262. The City of Bridgewater has not completed this final tie-in as the segment requires two lengthy boring and casing pipe segments under the railroad tracks and Highway 262.

H. FUTURE CONDITIONS

The following is City of Bridgewater population for the past 30 years from 1990 to 2010. The City of Bridgewater population in 1990 was 533 persons. The population peaked in 2000 with 607 persons before dropping to 492 persons in 2010. With the agricultural economic woes of the 1990's, the City has experience population loss primarily to the City of Sioux Falls. City of Bridgewater is expected to maintain its population base of approximately 500 persons for the future 10 to20 years. The City of Bridgewater has maintained an active Main Avenue business sector. The Diamond Care assisted living facility and nursing home aid in retaining the aging population in the local community. The retention of the older family members also helps to retain the younger population in the area.

The smaller cities in central South Dakota rely on the area agri-business and local small manufacturing companies to maintain their population base. In order to maintain their population base, the cities need to provide infrastructure similar to the larger cities in South Dakota. The City of Bridgewater obtains its drinking water via the Hanson Rural Water System The City of Bridgewater water distribution system is primarily new water mains except for the two blocks of aged cast iron water main on Main Avenue. The City of Bridgewater water distribution system condition requires attention for the City to offer services necessary to maintain their economic vitality.

III. DEVELOPMENT AND SCREENING OF ALTERNATIVES

A. DEVELOPMENT OF ALTERNATIVES

The City of Bridgewater has three alternatives available for considerations. The first of the three alternatives is 1) the No Action Alternative, which is taking no action as the result of the water distribution study. The second alternative is the South Main Avenue Water Looping Project. . The third alternative is 3) the Cast Iron Water Main Replacement Project for the aged cast iron water mains.

B. OPTIMUM OPERATION OF EXISTING FACILITIES

The smaller cities and towns with their limited financial budgets tend to concentrate on maintaining their infrastructure systems. Generally, the cities do not have the finances necessary to complete the larger construction improvements for the optimum operation of their existing facilities. This is the status of the City of Bridgewater. The water distribution system has known deficiencies of aging water mains and a dead end line segment. The City of Bridgewater has upgraded the majority of water lines in the 1990's. The City of Bridgewater requires financial assistance in order to get their water distribution system in the optimal operating condition.

C. REGIONALIZATION

The City of Bridgewater participates in regional water systems as the City obtains its drinking water from the Hanson Rural Water System. The City of Bridgewater has the personnel and financial means to take care of its water distribution system.

IV. EVALUATION OF PRINCIPAL ALTERNATIVES AND PLAN ADOPTION

A. ALTERNATIVE EVALUATIION

1) The No Action alternative is not a viable option for the City of Bridgewater water distribution system. This alternative wills results in the continuing deterioration of the existing water distribution cast iron water mains. There would be increasing number of water main breaks and water loss in the future. Deterioration of the cast iron water main will result in worsening of the water quality for the customers served by the old cast iron mains. This alternative will results in increasing personnel commitment to maintaining the water distribution system along with the water budget being consumed by water maintenance costs and lost revenue to water loss.

2) The second alternative is the South Main Avenue Water Looping Project. When the South Main residential development was developed in 2007, the project was served with a 6" PVC waterline installed adjacent to Highway 42 from Walnut Avenue west to South Main Avenue and then north 1,500 feet to the south side of the railroad tracks. The water line was not connected to the Main Avenue business district water line due to the cost of boring and casing pipe for crossing under the railroad lines and Highway 262. The water line looping is not of immediate need for the community as only the two southern most lots of the development 1ots had new homes built on them. The housing development has fire hydrants for flushing the water distribution main.

3) The Cast Iron Water Main Replacement Improvement is the recommended option for the City of Bridgewater water distribution system. This alternative would address the two blocks aging cast iron water mains that are immediate concerns for the City of Bridgewater. The water loss experienced by the City is probably concentrated within the aging cast iron mains. This project is immediate concern for the City due to the condition of the aged original cast iron water main installed in the early 1900. Also, many water service lines are the original lead water service lines. The project would also replace the lead service lines in the down town business district. The residential water services lines were upgraded to polyethylene lines when the remainder of the cast iron water mains was replaced in the 1990's. Following is the Opinion of Probable Costs for the Cast Iron Water Main Replacement for Main Avenue from Second Street to Fourth Street.

Bridgewater Main Avenue Water Project
Opinion of Probable Costs

Schedule A: Cast Iron Water Main Replacement Second to Fourth St.

1.	8" C900 PVC Watermain	L.F.	700	$38/LF.	$ 26,600
2.	1" Water Service Line	L. F.	1,300	$30/LF	$ 39,000
3.	1" Corporation Stops	Each	25	$260/Each	$ 6.500
4.	1" Curb Stops	Each	25	$270/Each	$ 6,750
5.	8" Gate Valve	Each	3	$ 1,250/Each	$ 3,750
6.	6" Fire hydrant	Each	1	$2,500/Each	$ 2,500
7.	Misc. Fittings	Each	8	$ 350/Each	$1,400
8.	Watermain Granular Bedding	L.F.	700	$4/LF	$ 2,800
9.	Concrete Saw Cutting	L.F.	1,600	$5.00/LF	$ 8,000
10.	Concrete Surfacing Removal	S.Y.	1,300	$5.00/SY	$ 6,500
11.	Concrete Pavement	S.Y.	1,300	$56/SY	$ 72,800
12.	Temporary Waterlines	Lump Sum	1	$5,000/LS	$ 5,000
13.	Misc. Contingencies	10%			$ 18,200
			Construction Total		$ 199,800

1.	Main Avenue Water Facilities Study	$ 1,800
2.	Design Engineering	$ 9,000
3.	Construction Engineering & Staking	$ 14,900
4.	Project Administration & Legal	$ 3,200
5.	Funding Administration	$ 10,500
	Services Sub-Total	$ 39,400
	Project Total	**$ 239,200**

B. EVALUATION OF MONETARY COSTS

The Cast Iron Water Main Replacement Project alternative opinion of probable costs is as follows:

Item (Includes 10% Contingencies)	Cost
Cast Iron Main Replacement	$ 40,700
Service Lines Replacement	$57,500
Concrete Surfacing Replacement	$ 101,600
Construction Total	$ 199,800
Engineering	$ 25,700
Administration and Legal	$ 13,700
Total Project Cost	**$239,200**

The itemized construction cost estimates follows:

C. DEMONSTRATION OF FINANCIAL CAPABILITY

The City of Bridgewater Water Department operates as a self-supporting fund. The City of Bridgewater base water charge is $6.50 per month. The City of Bridgewater monthly water rate for water use is $0.05 per cubic feet. Five thousand gallons is equivalent to 668 cubic feet. The current water charge for 5,000 gallons water use per month would be $0.05 x 668 cubic feet plus base rate $6.50 which equals $33.40 + $6.50= $39.90 per month. Bridgewater has 223 residential water user and 50 business water users for a total 273 water user accounts.

B. EVALUATION OF MONETARY COSTS

The Cast Iron Water Main Replacement Project alternative opinion of probable costs is as follows:

Item (Includes 10% Contingencies)	Cost
Cast Iron Main Replacement	$ 40,700
Service Lines Replacement	$57,500
Concrete Surfacing Replacement	$ 101,600
Construction Total	$ 199,800
Engineering	$ 25,700
Administration and Legal	$ 13,700
Total Project Cost	**$239,200**

The itemized construction cost estimates follows:

C. DEMONSTRATION OF FINANCIAL CAPABILITY

The City of Bridgewater Water Department operates on a self-supporting fund. In January, 2015, the City of Bridgewater raised its base water charge of $6.50 per month. The City of Bridgewater monthly water rate for water use is $0.05 per cubic feet. Five thousand gallons is equivalent to 668 cubic feet. The current water charge for 5,000 gallons water use per month would be $0.05 x 668 cubic feet plus base rate $6.50 which equals $33.40 + $6.50= $39.90 per month. Bridgewater has 223 residential water user and 50 business water users for a total 273 water user accounts.

The City of Bridgewater Water Department 2015 budget is as follows:

Water Department Self Supporting Fund - 2015

Salary-Utility Manager	$5,500
Salary – Finance Officer	$5,000
Payroll Taxes & Retirement	$1,435
Workmen Compensation	$350
Group Health Insurance	$11,000
Unemployment Compensation	$50
Insurance	$500
Publishing	$150
Hanson Rural Water	$45,000
Repairs & Maintenance	$7,500
Supplies	$7,000
Utilities	$3,500
Dues	$ 600
Travel	$ 100
Machinery & Equipment	$ 1,000
Other Current Expenses	$100
Computer Software	$50
Professional Fees	$2,000
Budget Appropriations	$90,835

Means of Financing

Base Rate 273 Users	$20,000
Water Sales	$70,000
Misc. Water Income	$2,800
Total	$92,800
Less Expense Appropriations	$ 90,835
Estimated Cash Balance Retained	$1,965

The Water Department Fund does not have any existing loan repayment.

The City of Bridgewater Water Department 2015 budget is as follows:

Water Department Self Supporting Fund - 2015

Salary-Utility Manager	$5,500
Salary – Finance Officer	$5,000
Payroll Taxes & Retirement	$1,435
Workmen Compensation	$350
Group Health Insurance	$11,000
Unemployment Compensation	$50
Insurance	$500
Publishing	$150
Hanson Rural Water	$45,000
Repairs & Maintenance	$7,500
Supplies	$7,000
Utilities	$3,500
Dues	$ 600
Travel	$ 100
Machinery & Equipment	$ 1,000
Other Current Expenses	$100
Computer Software	$22,000
Professional Fees	$2,000
Budget Appropriations	$90,835

Means of Financing

Base Rate 273 Users	$20,000
Water Sales	$70,000
Misc. Water Income	$2,800
Total	$92,800
Less Expense Appropriations	$ 90,835
Estimated Cash Balance Retained	$1,965

The Water Department Fund does not have any existing loan repayment.

D. CAPITAL FINANCING PLAN

The City of Bridgewater qualifies for the disadvantage State Revolving Fund rate of 3.25%. The report will assume that any loan amount will be financed through the Drinking Water SRF Program, as the Rural Development Water and Waste Loan interest rate is 4.125%. The first possible financing package for the recommended Cast Iron Water Main Replacement Project is as follows:

Proposed Funding Package

Drinking Water SRF Loan	$121,700
CDBG Grant	$117,500
Local Cash	$ 0
Total Project Cost	$239,200

This financing package assumes that the City of Bridgewater will be the recipient of favorable grant awards for the project. Based on a $121,700 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately $6,400.00 per year. The financing package would allow the City of Bridgewater to han.dle the loan repayment at the current $25.00 per month water rate for 5,000 gallons per month. The remainder of the $30,000 future project allocation should be place in a reserved fund to build up for future project needs.

The second possible financing package for the recommended Comprehensive Water Distribution Improvement project is as follows:

Proposed Funding Package

Drinking Water SRF Loan	$189,200
CDBG Grant	$ 50,000
Local Cash	$ 0
Total Project Cost	$239,200

This financing package assumes that the City of Bridgewater will be the recipient of less favorable grant awards for the project. Based on a $189,200 loan amount at a 3.25% over thirty years, the loan annual payment would be approximately $9,950.00 per year. The financing package would require the City of Bridgewater to increase the current $6.50 per month base water user rate water by $3.00 per month to $9.500 per month. This will allow the City of Bridgewater to make the annual loan repayment plus allocate $2,500 plus the water loss savings to be place in a reserved fund to build up for future project needs.

The South East Council of Governments will complete an analysis of funding sources and revenue projections for this project. This information will be submitted to SD-DENR as part of the application for funding under the State Revolving Loan programs

E. ENVIRONMENTAL EVALUATION

The Cast Iron Watermain Replacement alternative would have a significant positive environmental impact to the City of Bridgewater by the fact it would be improve the water distribution service by removing the deficient portions of the existing water distribution system. The replacement of the cast iron water main segments will remove the severely corroded pipes within the water distribution system. The cast iron main replacement will improve the water quality to the water users being served by these waterline segments. The project would also remove the remaining original lead water service lines in the downtown business district.

F. COMPARISON OF ALTERNATIVES

The No Action alternative is not recommended. The No Action alternative would result in the slow deterioration of the municipal water system. Without any planned improvements, the water distribution system budget would be consumed with increasing water main repairs and paying for the increasing water loss from the old cast iron water line piping within the distribution system. The City of Bridgewater is not preparing to meet a slow economic death.

The South Main Water Looping Project is a desirable project but not of immediate need for the community. The South Main residential development is slowly filling in with new housing. The development has seventeen residential lots available for new houses. Only the two southern most lots located adjacent to Highway 42 have new houses. The entire development was installed with new 6" PVC watermain in 2007 with fire hydrants. The South Main water line was not looped to the Main Avenue water system due to the boring and casing pipe cost for crossing the railroad tracks and Highway 262.

The Cast Iron Water Main Replacement alternative addresses the water distribution immediate deficiencies of the aging segments of cast iron water mains. The aging cast iron water mains are probable the primary source for the water distribution system water loss and degradation of the drinking water. Also, the majority of the water service lines in the downtown business district are the original lead water lines. The project would replace the remaining lead service lines in the community. This is the essential project to be completed for the City of Bridgewater this year.

V. SELECTED PLAN, DESCRIPTION AND IMPLEMENTATION ARRANAGEMENTS

A. JUSTIFICATION AND DESCRIPTION OF SELECTED PLAN

In order for the smaller cities to maintain their economic vitality, the city must be progressive in maintaining their infrastructure. Their infrastructure must be comparable to the larger cities or the city will see a population migration to the larger cities. The smaller cities progressive in maintaining an attractive community had a better chance in maintaining their population base. The water distribution system is one on the critical elements of a community infrastructure system. The Cast Iron Watermain Replacement Project alternative will place the City Bridgewater water distribution system with the larger cities. The replacement of the aging water mains will eliminate the need to dig up the city street to repair water main breaks. Once the project underground construction had been completed, the city streets can be provided with a long term driving surface. The study recommends the Cast Iron Watermain Replacement Project alternative.

B. DESIGN OF SELECTED PLAN

The design of the selected alternative begins with the survey fieldwork necessary to design the recommended alternative construction plans. Design layout for the cast iron mains will be based on installing the new water main in the same location as existing deficient water main. The Contractor would install temporary above ground water lines to serve the downtown business district while the new water mains are installed. This will allow the new water main to be disinfected, flushed, and pressure tested prior to the new water main is placed into service. After the new water main installation is completed, the existing water users will be transferred from the temporary above ground water main to the newly installed water main along with new service line piping beyond the street surfacing. The design would be inclusive as to water main connections, control valves, and hydrant locations for the Main Avenue water main construction segment.

C. COST ESITMATE OF SELECTED PLAN

Exhibit A shows the proposed layout for the Main Avenue Water Improvement Project. Following is the construction cost estimate for the Cast Iron Watermain Replacement Project.

Bridgewater Main Avenue Water Project
Opinion of Probable Costs

Schedule A: Cast Iron Water Main Replacement Second to Fourth St.

1.	8" C900 PVC Watermain	L.F.	700	$38/LF.	$ 26,600
2.	1" Water Service Line	L. F.	1,300	$30/LF	$ 39,000
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6.	6" Fire hydrant	Each	1	$2,500/Each	$ 2,500
7.	Misc. Fittings	Each	8	$ 350/Each	$1,400
8.	Watermain Granular Bedding	L.F.	700	$4/LF	$ 2,800
9.	Concrete Saw Cutting	L.F.	1,600	$5.00/LF	$ 8,000
10.	Concrete Surfacing Removal	S.Y.	1,300	$5.00/SY	$ 6,500
11.	Concrete Pavement	S.Y.	1,300	$56/SY	$ 72,800
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			Construction Total		$ 199,800

1.	Main Avenue Water Facilities Study	$ 1,800
2.	Design Engineering	$ 9,000
3.	Construction Engineering & Staking	$ 14,900
4.	Project Administration & Legal	$ 3,200
5.	Funding Administration	$ 10,500
	Services Sub-Total	$ 39,400
	Project Total	**$ 239,200**

D. ENVIRONMENTAL IMPACTS OF SELECTED PLAN

The selected project would have a significant positive environmental impact to the City of Bridgewater by the fact it would be improve the water distribution service by removing a deficient potion of the existing water distribution system. The replacement of the cast iron water main segments will remove the severely corroded pipes within the water distribution system. The cast iron main replacement will improve the water quality to the water users being served by these waterline segments. Also, the recommended alternative will eliminate the remaining lead water services lines in the downtown business district. New service lines are installed along with the cast iron water main replacement construction.

The proposed project's negative environmental impacts would consist of construction activities during the installation of the water distribution system's watermain, valves, and fire hydrants. The construction activities would occur in street right of way where the construction activities would have lesser environmental impact. To minimize the impact to the environment, the Contractor will be required to install low silt fencing and storm inlet erosion control fabric to minimize the effect of storm water runoff from the construction area.. The discharge of chlorinated water to aquatic habitat during flushing and disinfection of water mains will be prohibited. The Contractor will be required to have watering equipment on site for use in controlling blowing dust from the construction site. Following the construction activity, the street surfacing would be restored to better than the pre-construction conditions.

E. ARRANGEMENT FOR IMPLEMENTATION

Following the completion and acceptance of the water distribution study, the City of Bridgewater will have South East Council of Governments will continue to assist the City of Bridgewater in obtaining the grant and loan funds necessary for the construction of the Cast Iron Watermain Replacement Project. It is anticipated that the project funding acquisition will be completed by late June 2016. The project survey fieldwork and the project design phase will start once the project funding assurance will be achieved. It is anticipated that the project construction bid opening will be held no later than the August 2016. This will allow the project construction to start September 2016 and completed by early November 2016.

F. LAND ACQUISITION

The selected plan for the comprehensive improvement of the water distribution system does not require the acquisition of any land or construction easements. The construction of the improvements will be within the City's existing street right of way and utility easements.

WRAP Review Sheet
Drinking Water Facilities Funding Application
Applicant: City of Canistota

Project Title:	Main Street Water Improvements
Funding Requested:	$96,000
Total Project Cost:	$96,000
Project Description:	This project will replace service lines in conjunction with a project to reconstruct approximately 1,000 feet of Main Street. The water lines were replaced in 2001 but the service lines were not addressed at that time.
Alternatives Evaluated:	The "No Action" alternative was evaluated for the Main Street improvements. This alternative would not address the deficiencies in the service lines.
Implementation Schedule:	The city anticipates bidding the project in January 2017 with a project completion date of August 2017.
Service Population:	652
Current Domestic Rate:	$49.84 per 5,000 gallons usage

Interest Rate: 3.00% Term: 30 years Security: Project Surcharge

DEBT SERVICE CAPACITY

Coverage at Maximum Loan Amount:	If all funding is provided as loan Canistota would have to establish a surcharge of approximately $1.45. When added to current rate of $49.84/5,000 gallons residents would be paying $51.29/5,000 gallons.

25% Funding Subsidy:	$24,000 subsidy with a loan of $72,000.
Coverage at 25% Subsidy:	Based on a 25% subsidy and a loan of $72,000, Canistota would have to establish a surcharge of approximately $1.10 thereby paying a rate $50.94/5,000 gallons.

50% Funding Subsidy:	$48,000 subsidy with a loan of $48,000.
Coverage at 50% Subsidy:	Based on a 50% subsidy and a loan of $48,000, Canistota would have to establish a surcharge of approximately $0.73 thereby paying a rate $50.57/5,000 gallons.

75% Funding Subsidy:	$72,000 subsidy with a loan of $24,000.
Coverage at 75% Subsidy:	Based on a 75% subsidy and a loan of $24,000, Canistota would have to establish a surcharge of approximately $0.38 thereby paying a rate $50.22/5,000 gallons.

ENGINEERING REVIEW COMPLETED BY: DREW HUISKEN

FINANCIAL REVIEW COMPLETED BY: JON PECHONG

SECOG
SOUTH EASTERN COUNCIL OF GOVERNMENTS
SOUTH DAKOTA

RECEIVED
APR 01 2016
Division of Financial
& Technical Assistance

March 31, 2016

Mike Perkovich
Department of Environment and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Dear Mr. Perkovich:

Enclosed is the Drinking Water State Revolving Loan Fund Application for the City of Canistota Main Street Water and Sewer Improvements Project. Included with the general application are the following appendices:

Appendix A	Signed Supplemental Application Forms including the Certification of Drinking Water Needs Categories, Certification Regarding Debarment, Suspension, and Other Responsibility Matters
Appendix B	Signed Application Resolution
Appendix C	User Rate Ordinances
Appendix D	Amortization of Debt
Appendix E	Capacity Assessment
Appendix F	2014 Financial Statements
Appendix G	2015 Financial Statements
Appendix H	2016 Budget
Appendix I	Public Hearing Notice, Sign-in Sheets and Minutes
Appendix J	Facilities Plan
Appendix K	System for Award Management (SAM) Registration

Please do not hesitate to contact DGR Engineering or me if you have any questions pertaining to this application. Thank you in advance for your consideration of our request.

Sincerely,

Leslie Mastroianni
Planner

Enclosures

Cc: City of Canistota
DGR Engineering

500 N. Western Ave. • Suite 100 • Sioux Falls, SD 57104
Phone: 605.367.5390 • Fax: 605.367.5394
Website: www.secog.org • E-mail: lynne@secog.org
Lynne Keller Forbes, Executive Director

Drinking Water Facilities Funding Application

Drinking Water State Revolving Fund Program (DWSRF)
Consolidated Water Facilities Construction Program (CWFCP)

Applicant: City of Canistota	Proposed Funding Package
Address: PO Box 67 Canistota, SD 57012	Requested Funding $96,000 Local Cash
Subapplicant:	Other: Other:
DUNS Number: 627913382	Other: TOTAL $96,000

Project Title: Main Street Water and Sewer Improvements

Description:

The Main Street Water and Sewer Improvements Project will address aging water service lines, failing sewer service lines, and replace an existing storm sewer inlet with outlet pipe. The design also includes installing a new block of storm sewer. In 2001, the City of Canistota completed a utility project that replaced the water and sewer mains, but did not replace the service lines. The City would like to replace the existing water and sewer service lines and then reconstruct the entire street. The City has received Department of Transportation Community Access Grant funds to help offset the cost of the street replacement and will seek a Rural Development loan to fund the balance. In addition, the City need to replace an existing storm sewer inlet with outlet pipe and install a new block of storm sewer. The new storm sewer will connect to the existing storm sewer on Pine Street. This storm sewer will pick up surface flows before they exceed industry standards for width of spread. This will also help route storm flows around the west end of Main Street and reduce the rick for flooding at the intersection of Main Street and 7th Avenue. The City is also seeking assistance through the Governor's Office of Economic Development to assist with funding this project. The current water rate is $49.84 per month for 5,000 gallons of usage.

The Applicant Certifies That:

I declare and affirm under the penalties of perjury that this application has been examined by me and, to the best of my knowledge and belief, is in all things true and correct.

Rich Becker, Council Vice-President	Rich Becker	3-28-16
Name & Title of Authorized Signatory (Typed)	Signature	Date

Professional Consultants

Application Prepared By: South Eastern Council of Governments

Contact Person: Leslie Mastroianni

Mailing Address: 500 N. Western Avenue, Suite 100

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: 605-367-5390 Fax: 605-367-5394

Email address: leslie@secog.org

Consulting Engineering Firm: DGR Engineering

Contact Person: Gabe Laber, PE

Mailing Address: 2909 East 57th Street, Suite 101

City, State, and Zip: Sioux Falls, SD 57108

Telephone Number: 605-339-4157 Fax: 605-339-4175

Email address: gabriel.laber@dgr.com

Legal Counsel's Firm: Cadwell, Sanford, Deibert, Garry

Contact Person: Kristi Laber

Mailing Address: 200 E. 10th Street, Suite 200

City, State, and Zip: Sioux Falls, SD 57101

Telephone Number: 605-336-0828 Fax: 605-336-6036

Email address: klaber@cadlaw.com

Bond Counsel's Firm: Cutler Law Firm, LLP

Contact Person: Nathan Schoen

Mailing Address: PO Box 1400

City, State, and Zip: Sioux Falls, SD 57104

Telephone Number: 605-335-4950 Fax: 605-335-4961

Email address: nates@cutlerlawfirm.com

Budget Sheet

Cost Classification	A DWSRF/ CWFCP	B	C	D	E	Total Funds
1. Administrative Expenses						
A. Personal Services						
B. Travel						
C. Legal & Bond Counsel	$960					$960
D. Other - SECOG	$3,500					$3,500
2. Land, Structure, Right-of-Way						
3. Engineering						
A. Bidding and Design Fees	$13,320					$13,320
B. Project Inspection Fees	$3,600					$3,600
C. Other						
4. Construction & Improvements	$64,775					$64,775
5. Equipment						
6. Contractual Services						
7. Other						
8. Other						
9. Subtotal (Lines 1-8)	$86,155					$86,155
10. Contingencies	$9,845					$9,845
11. Total (Lines 9 and 10)	$96,000					$96,000
12. Total %	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%

Proposed Method of Financing

	Secured Funds	Unsecured Funds	Date Unsecured Funds Anticipated
Local Cash(Identify Source)			
Other (Explain) DWSRF		$96,000	June 2016
Other (Explain)			
Other (Explain)			
Total		$96,000	$96,000

Other Funds to be Borrowed

	Amount	Rate	Term	Annual Debt Service	Security or Collateral Pledged
Other					
Other					
Other					

Please attach copies of commitment letters that contain specific terms and conditions for each source of financing.

General Information

The month and day your fiscal year begins: January 1

Population Served Current: 652 2010 656 2000 700

Top three employers within 30 miles	Number of Employees	Type of Business
West Central School District	180	Education
Freeman Regional Health Services	135	Health Care
Golden Living Center	80	Nursing Home

Repayment Information

Interest rate you are applying for: 3% Term: 30

What security is being pledged toward the repayment of this loan?
(Political Subdivisions Only)

- ☐ 1. General Obligation Bond (Requires Bond Election)
- ☐ 2. Revenue Bond
- ☒ 3. Project Surcharge Revenue Bond
- ☐ 4. Sales Tax Revenue Bond

Documents That Must Be Submitted With The Application

Financial Documents

1. Most recent audited or unaudited financial statements to include specific accounting for the drinking water fund.
2. Current year's budget for the drinking water fund.
3. Amortization schedules for all existing debt secured by proposed revenue pledged.

Planning and Legal Documents

1. Current governing user charge ordinance or resolution and its effective date.
2. Resolution of authorized signatory for submission of the Drinking Water Facilities Funding application and signing of payment requests. This resolution must also include the maximum amount requested and description of proposed project.
3. Documentation that the applicant has an active registration on the Federal System for Award Management (SAM) database.

   (https://www.sam.gov)
4. Facilities Plan.
5. Cultural Resources Effects Assessment Summary for SRF Projects.
6. Capacity Assessment Worksheets.

Items 7-9 apply to Non-profit Entities only

7. By-laws.
8. Articles of Incorporation.
9. Certificate of Good Standing from Secretary of State.

Drinking Water Fund Debt Information

Year	2009	2002	2014			
Purpose	Ash St	Water & WW Project	Phase 2			
Security Pledged	Water Revenue	50/50 split Water & Wastewater	Project Surcharge			
Amount	$115,500	$218,405	$479,000			
Maturity Date (mmm/yyyy)	04/2041	3/2042	4/2046			
Debt Holder	SD Conservancy District	Rural Development	SD Conservancy District			
Debt Coverage Requirement	110%	110%	110%			
Avg. Annual Required Payment	$5,700	$12,449	$24,271			
Outstanding Balance	$99,651	$189,422	$479,000			

Comments:

Rural Development Loan is split between water and wastewater. Average Annual Required Payment and Outstanding Balance are for water portion only.

Drinking Water Fund Cash Flow Information

Negative cash should be in (Decrease) format	Prior Year	Prior Year	Current Year	Future Year	Future Year	Future Year
Fiscal Year	2014	2015	2016	2017	2018	2019
Operating Revenue						
Base Fees	$164,709	$156,273	$163,680	$165,317	$166,970	$168,640
Surcharge Fees		$28,428	$29,760	$30,058	$30,359	$30,663
Other (Explain)						
Operating Expenses						
Personal Services	($19,100)	($22,142)	($37,800)	($37,178)	($37,560)	($37,936)
Chemical, Material & Supplies	($56,715)	($59,673)	($68,500)	($69,185)	($69,877)	($70,575)
Electric & Other Utilities			($3,800)	($3,838)	($3,876)	($3,915)
Other (Explain)	($14,821)	($48,105)	($18,750)	($18,938)	($19,127)	($19,318)
Operating Net Cash	$74,073	$54,781	$64,590	$66,236	$66,889	$67,559
Nonoperating Cash Flow						
Interest Revenue						
Transfers In (Explain)						
Fixed Asset Purchases		($1,235,267)	($30,275)			
Transfers Out (Explain)						
Principal Debt Payments	($5,874)	($6,113)	($13,845)	($16,863)	($21,377)	($22,040)
Interest Debt Payments	($12,275)	($11,666)	($22,509)	($25,560)	($30,931)	($30,268)
Other (Explain)	$34,988	$1,299,885				
Nonoperating Net Cash	$16,839	$46,839	($66,628)	($42,423)	($52,307)	($52,308)
Increase (Decrease) Cash	$90,912	$101,620	($2,038)	$23,813	$14,582	$15,251
Beginning Cash Balance	$144,722	$235,634	$337,254	$335,216	$359,029	$373,610
Ending Cash Balance	$235,634	$337,254	$335,216	$359,029	$373,610	$388,861
Restricted Balance						
Unrestricted Balance	$235,634	$337,254	$335,216	$359,029	$373,610	$388,861

Explanations

2014
Non-operating Cash Flow Other: Grant Funds
2015
Non-operating Cash Flow Other: Long-term debt issued, capital contributions, and grant funds

Restricted Funds Breakdown:

Amount	Anticipated Expense	Method Used to Encumber

Drinking Water Fees:

** Attach current and proposed rate ordinances or resolutions and rate schedules.

Municipal or Sanitary District - monthly rates at 5,000 gallons (670 cubic feet)

Other Community System - monthly rates at 7,000 gallons (935 cubic feet)

Check one: [X] Incorporated Municipality or Sanitary District

or

[ ] Other Community System

Monthly	Current Rate	Proposed Rate	# of Accounts	Average use Gallons/Cubic Feet
Domestic	$49.84		285	3,187
Business	$49.84		25	14,305
Other:				
Other:				

Are fees based on usage or flat rate? Usage

When is proposed fee scheduled to take effect? N/A

When did the current fee take effect? January 1, 2016

What was the fee prior to the current rate? $47.90

Four Largest Customers	Type of Business	% of System Revenue
Good Samaritan Center	Nursing Home	5%
Ortman Hotel/Brick Oven	Hotel/Restaurant	4%
Cameron Inn	Hotel	2%
Total Stop Food Store	Convenience Store	2%

Appendix A

Certification of Drinking Water Needs Categories and Certification Regarding Debarment, Suspension and Other Responsibility Matters

Certification of Drinking Water Needs Categories

Identify the loan amount associated with the needs category or categories described below. If the loan addresses needs in more than one category, please break down the total amount into estimated amounts for each category.

Definition	Loan Amount
Transmission/Distribution	$96,000
Treatment	
Storage	
Source	
System Purchase	
Restructuring	
1452(k) Loan Activities	
1. To acquire land or a conservation easement for source water protection.	
2. To implement voluntary, incentive-based source water quality protection measures.	
Total	$96,000

Rich Becker, Council Vice-President

Name & Title of Authorized Representative

Rich Becker

Signature of Authorized Representative

3-29-16

Date

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forger, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 U.S.C. § 1001, a false statement may result in a fine of up to $10,000 or imprisonment for up to 5 years, or both.

Rich Becker, Council Vice President

Name & Title of Authorized Representative

Rich Becker

Signature of Authorized Representative

3-29-16

Date

☐ I am unable to certify to the above statements. Attached is my explanation

Appendix B

Signed Application Resolution

CITY OF CANISTOTA

RESOLUTION # 2016-03.06

DW-SRF FUNDING APPLICATION SPONSORSHIP

WHEREAS, the City of Canistota has determined the need for the Main Street Water and Sewer Improvements Project; and

WHEREAS, loan assistance is necessary to enable the City of Canistota to construct these improvements; and

WHEREAS, the South Dakota Department of Environment and Natural Resources provides grants and low-interest loans to eligible applicants for financing water, wastewater and storm water infrastructure projects; and

WHEREAS, the City is desirous of applying for up to a $97,000.00 thirty (30) year loan, to be repaid with water revenues, at 3.25% from the Drinking Water State Revolving Fund Program of the South Dakota Department of Environment & Natural Resources for these improvements.

NOW THEREFORE BE IT RESOLVED THAT:

1. The City of Canistota hereby authorizes the filing of a grant and/or loan application with the South Dakota Department of Environment and Natural Resources, including all understandings and assurances contained therein, to fund the Project.

2. Be it further resolved that the City of Canistota hereby authorizes Rich Becker to act as Project Certifying Officer in connection with the applications, grant and/or loan agreements, and other required forms, and to provide such additional information as may be required by the South Dakota Department of Environment and Natural Resources.

Adopted this 21st day of March, 2016.

BY:

Rich Becker

Rich Becker, Certifying Officer

ATTEST:

Kathy J. Townsend

Kathy Townsend, Finance Officer

Appendix C

User Rate Ordinances

RESOLUTION 2016-1

A RESOLUTION ADJUSTING CITY WATER RATES

WHEREAS, THE Canistota City Council believes that it is necessary and in the best interest of the City of Canistota, in order to pay all costs for the operation and maintenance of the water system, to adjust the rates for the sale of water provided by the City of Canistota; and

WHEREAS, Section 8.02.07 of the Canistota City Ordinances gives the Canistota City Council the authority to establish water rates by Resolution of the Canistota City Council, now,

THEREFORE BE IT RESOLVED by the Canistota City Council that water rates shall be as follows:

Effective January 1, 2016, each water customer shall pay a minimum monthly fee of Twenty dollars and forty four cents ($20.44) plus $0.00588 per gallon water used per month.

Adopted this 3rd day of November, 2015

Donald H Kom

Signed: Don Kom, Mayor
City of Canistota

ATTEST:

Kathy J. Townsend

Kathy J. Townsend
Finance Officer
City of Canistota

(SEAL)

Published: November 12, 2015
Effective: December 04, 2015

Appendix D

Amortization of Debt

2B

Draft Amortization Table

Canistota Main Street

100 % Loan

Projected Utility Rate Impact: **$1.44**

(Based on 310 accounts)

Enter Amount		**96,000.00**
Enter Rate		**3.00%**
Term (Years)		**30**
# Payments per Year		**4**
Enter Pmt (opt)	**$**	**-**
Enter Payment Date		**January 1, 2018**
Annual Interest	**$**	**2,857.56**
Annual Payments	**$**	**4,864.35**

Principal	*$*	*96,000.00*
Rate		*3.00%*
Term(Qtrs)		*120*
Quarterly Payment		*$1,216.09*

	Principal Balance	Unscheduled Pmt.	Quarterly Prin. Pmt	Quarterly Int Pmt.
	$ 96,000.00			
Jan-18	95,503.91	0.00	496.09	720.00
Apr-18	95,004.10	0.00	499.81	716.28
Jul-18	94,500.55	0.00	503.56	712.53
Oct-18	93,993.21	0.00	507.33	708.75
			2,006.79	2,857.56
Jan-19	93,482.08	0.00	511.14	704.95
Apr-19	92,967.10	0.00	514.97	701.12
Jul-19	92,448.27	0.00	518.83	697.25
Oct-19	91,925.54	0.00	522.73	693.36
Jan-20	91,398.90	0.00	526.65	689.44
Apr-20	90,868.30	0.00	530.60	685.49
Jul-20	90,333.73	0.00	534.58	681.51
Oct-20	89,795.14	0.00	538.58	677.50
Jan-21	89,252.52	0.00	542.62	673.46
Apr-21	88,705.83	0.00	546.69	669.39
Jul-21	88,155.03	0.00	550.79	665.29
Oct-21	87,600.11	0.00	554.92	661.16
Jan-22	87,041.02	0.00	559.09	657.00
Apr-22	86,477.74	0.00	563.28	652.81
Jul-22	85,910.24	0.00	567.50	648.58
Oct-22	85,338.48	0.00	571.76	644.33
Jan-23	84,762.43	0.00	576.05	640.04
Apr-23	84,182.06	0.00	580.37	635.72
Jul-23	83,597.34	0.00	584.72	631.37
Oct-23	83,008.23	0.00	589.11	626.98
Jan-24	82,414.70	0.00	593.53	622.56
Apr-24	81,816.73	0.00	597.98	618.11
Jul-24	81,214.26	0.00	602.46	613.63

Oct-24	80,607.28	0.00	606.98	609.11
Jan-25	79,995.75	0.00	611.53	604.55
Apr-25	79,379.63	0.00	616.12	599.97
Jul-25	78,758.89	0.00	620.74	595.35
Oct-25	78,133.50	0.00	625.40	590.69
Jan-26	77,503.41	0.00	630.09	586.00
Apr-26	76,868.60	0.00	634.81	581.28
Jul-26	76,229.02	0.00	639.57	576.51

Schedule A

RURAL DEVELOPMENT WATER + SEWER LOAN

Date
5/17/2002

Issuer
Canistota, South Dakota
Sewer and Water Utility Revenue Bonds, Series 2002

Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
1	06/17/04	4.7500%	436,810.00	436,810.00	(2,074.85)	(1,729.04)	(345.81)	
2	07/17/04	4.7500%	436,468.18	436,464.19	(2,074.85)	(1,727.67)	(347.18)	
3	08/17/04	4.7500%	436,125.01	436,117.01	(2,074.85)	(1,726.30)	(348.55)	
4	09/17/04	4.7500%	435,780.48	435,768.46	(2,074.85)	(1,724.92)	(349.93)	
5	10/17/04	4.7500%	435,434.58	435,418.52	(2,074.85)	(1,723.53)	(351.32)	
6	11/17/04	4.7500%	435,087.32	435,067.21	(2,074.85)	(1,722.14)	(352.71)	
7	12/17/04	4.7500%	434,738.68	434,714.50	(2,074.85)	(1,720.74)	(354.11)	
8	01/17/05	4.7500%	434,388.66	434,360.39	(2,074.85)	(1,719.34)	(355.51)	
9	02/17/05	4.7500%	434,037.26	434,004.88	(2,074.85)	(1,717.94)	(356.91)	
10	03/17/05	4.7500%	433,684.47	433,647.97	(2,074.85)	(1,716.52)	(358.33)	
11	04/17/05	4.7500%	433,330.28	433,289.64	(2,074.85)	(1,715.10)	(359.75)	
12	05/17/05	4.7500%	432,974.68	432,929.90	(2,074.85)	(1,713.68)	(361.17)	
13	06/17/05	4.7500%	432,617.68	432,568.73	(2,074.85)	(1,712.25)	(362.60)	
14	07/17/05	4.7500%	432,259.27	432,206.13	(2,074.85)	(1,710.82)	(364.03)	
15	08/17/05	4.7500%	431,899.44	431,842.10	(2,074.85)	(1,709.38)	(365.48)	
16	09/17/05	4.7500%	431,538.18	431,476.62	(2,074.85)	(1,707.93)	(366.92)	
17	10/17/05	4.7500%	431,175.49	431,109.70	(2,074.85)	(1,706.48)	(368.37)	
18	11/17/05	4.7500%	430,811.37	430,741.33	(2,074.85)	(1,705.02)	(369.83)	
19	12/17/05	4.7500%	430,445.81	430,371.49	(2,074.85)	(1,703.55)	(371.30)	
20	01/17/06	4.7500%	430,078.80	430,000.20	(2,074.85)	(1,702.08)	(372.77)	
21	02/17/06	4.7500%	429,710.33	429,627.43	(2,074.85)	(1,700.61)	(374.24)	
22	03/17/06	4.7500%	429,340.41	429,253.19	(2,074.85)	(1,699.13)	(375.72)	
23	04/17/06	4.7500%	428,969.02	428,877.47	(2,074.85)	(1,697.64)	(377.21)	
24	05/17/06	4.7500%	428,596.17	428,500.26	(2,074.85)	(1,696.15)	(378.70)	
25	06/17/06	4.7500%	428,221.84	428,121.55	(2,074.85)	(1,694.65)	(380.20)	
26	07/17/06	4.7500%	427,846.02	427,741.35	(2,074.85)	(1,693.14)	(381.71)	
27	08/17/06	4.7500%	427,468.72	427,359.64	(2,074.85)	(1,691.63)	(383.22)	
28	09/17/06	4.7500%	427,089.93	426,976.43	(2,074.85)	(1,690.12)	(384.74)	
29	10/17/06	4.7500%	426,709.63	426,591.69	(2,074.85)	(1,688.59)	(386.26)	
30	11/17/06	4.7500%	426,327.83	426,205.43	(2,074.85)	(1,687.06)	(387.79)	
31	12/17/06	4.7500%	425,944.52	425,817.65	(2,074.85)	(1,685.53)	(389.32)	
32	01/17/07	4.7500%	425,559.69	425,428.33	(2,074.85)	(1,683.99)	(390.86)	
33	02/17/07	4.7500%	425,173.34	425,037.46	(2,074.85)	(1,682.44)	(392.41)	
34	03/17/07	4.7500%	424,785.46	424,645.05	(2,074.85)	(1,680.89)	(393.96)	
35	04/17/07	4.7500%	424,396.04	424,251.09	(2,074.85)	(1,679.33)	(395.52)	
36	05/17/07	4.7500%	424,005.09	423,855.57	(2,074.85)	(1,677.76)	(397.09)	
37	06/17/07	4.7500%	423,612.58	423,458.48	(2,074.85)	(1,676.19)	(398.66)	
38	07/17/07	4.7500%	423,218.52	423,059.82	(2,074.85)	(1,674.61)	(400.24)	
39	08/17/07	4.7500%	422,822.90	422,659.58	(2,074.85)	(1,673.03)	(401.82)	
40	09/17/07	4.7500%	422,425.72	422,257.76	(2,074.85)	(1,671.44)	(403.41)	
41	10/17/07	4.7500%	422,026.96	421,854.34	(2,074.85)	(1,669.84)	(405.01)	
42	11/17/07	4.7500%	421,626.63	421,449.33	(2,074.85)	(1,668.24)	(406.61)	
43	12/17/07	4.7500%	421,224.71	421,042.72	(2,074.85)	(1,666.63)	(408.22)	
44	01/17/08	4.7500%	420,821.20	420,634.50	(2,074.85)	(1,665.01)	(409.84)	
45	02/17/08	4.7500%	420,416.09	420,224.66	(2,074.85)	(1,663.39)	(411.46)	
46	03/17/08	4.7500%	420,009.38	419,813.20	(2,074.85)	(1,661.76)	(413.09)	
47	04/17/08	4.7500%	419,601.05	419,400.11	(2,074.85)	(1,660.13)	(414.72)	
48	05/17/08	4.7500%	419,191.12	418,985.39	(2,074.85)	(1,658.48)	(416.37)	
49	06/17/08	4.7500%	418,779.56	418,569.02	(2,074.85)	(1,656.84)	(418.01)	
50	07/17/08	4.7500%	418,366.37	418,151.00	(2,074.85)	(1,655.18)	(419.67)	
51	08/17/08	4.7500%	417,951.54	417,731.34	(2,074.85)	(1,653.52)	(421.33)	
52	09/17/08	4.7500%	417,535.07	417,310.01	(2,074.85)	(1,651.85)	(423.00)	
53	10/17/08	4.7500%	417,116.96	416,887.01	(2,074.85)	(1,650.18)	(424.67)	
54	11/17/08	4.7500%	416,697.19	416,462.34	(2,074.85)	(1,648.50)	(426.35)	
55	12/17/08	4.7500%	416,275.75	416,035.98	(2,074.85)	(1,646.81)	(428.04)	
56	01/17/09	4.7500%	415,852.65	415,607.94	(2,074.85)	(1,645.11)	(429.74)	
57	02/17/09	4.7500%	415,427.88	415,178.21	(2,074.85)	(1,643.41)	(431.44)	
58	03/17/09	4.7500%	415,001.42	414,746.77	(2,074.85)	(1,641.71)	(433.14)	
59	04/17/09	4.7500%	414,573.28	414,313.63	(2,074.85)	(1,639.99)	(434.86)	

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Canistota, South Dakota
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Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
60	05/17/09	4.7500%	414,143.44	413,878.77	(2,074.85)	(1,638.27)	(436.58)	
61	06/17/09	4.7500%	413,711.90	413,442.19	(2,074.85)	(1,636.54)	(438.31)	
62	07/17/09	4.7500%	413,278.65	413,003.88	(2,074.85)	(1,634.81)	(440.04)	
63	08/17/09	4.7500%	412,843.68	412,563.84	(2,074.85)	(1,633.07)	(441.78)	
64	09/17/09	4.7500%	412,407.00	412,122.05	(2,074.85)	(1,631.32)	(443.53)	
65	10/17/09	4.7500%	411,968.58	411,678.52	(2,074.85)	(1,629.56)	(445.29)	
66	11/17/09	4.7500%	411,528.43	411,233.23	(2,074.85)	(1,627.80)	(447.05)	
67	12/17/09	4.7500%	411,086.54	410,786.18	(2,074.85)	(1,626.03)	(448.82)	
68	01/17/10	4.7500%	410,642.90	410,337.36	(2,074.85)	(1,624.25)	(450.60)	
69	02/17/10	4.7500%	410,197.50	409,886.76	(2,074.85)	(1,622.47)	(452.38)	
70	03/17/10	4.7500%	409,750.34	409,434.38	(2,074.85)	(1,620.68)	(454.17)	
71	04/17/10	4.7500%	409,301.41	408,980.20	(2,074.85)	(1,618.88)	(455.97)	
72	05/17/10	4.7500%	408,850.71	408,524.23	(2,074.85)	(1,617.08)	(457.77)	
73	06/17/10	4.7500%	408,398.22	408,066.46	(2,074.85)	(1,615.26)	(459.59)	
74	07/17/10	4.7500%	407,943.93	407,606.87	(2,074.85)	(1,613.44)	(461.41)	
75	08/17/10	4.7500%	407,487.85	407,145.47	(2,074.85)	(1,611.62)	(463.23)	
76	09/17/10	4.7500%	407,029.97	406,682.23	(2,074.85)	(1,609.78)	(465.07)	
77	10/17/10	4.7500%	406,570.27	406,217.17	(2,074.85)	(1,607.94)	(466.91)	
78	11/17/10	4.7500%	406,108.75	405,750.26	(2,074.85)	(1,606.09)	(468.76)	
79	12/17/10	4.7500%	405,645.41	405,281.50	(2,074.85)	(1,604.24)	(470.61)	
80	01/17/11	4.7500%	405,180.23	404,810.89	(2,074.85)	(1,602.38)	(472.47)	
81	02/17/11	4.7500%	404,713.21	404,338.42	(2,074.85)	(1,600.51)	(474.34)	
82	03/17/11	4.7500%	404,244.34	403,864.08	(2,074.85)	(1,598.63)	(476.22)	
83	04/17/11	4.7500%	403,773.61	403,387.86	(2,074.85)	(1,596.74)	(478.11)	
84	05/17/11	4.7500%	403,301.02	402,909.75	(2,074.85)	(1,594.85)	(480.00)	
85	06/17/11	4.7500%	402,826.57	402,429.75	(2,074.85)	(1,592.95)	(481.90)	
86	07/17/11	4.7500%	402,350.23	401,947.85	(2,074.85)	(1,591.04)	(483.81)	
87	08/17/11	4.7500%	401,872.01	401,464.04	(2,074.85)	(1,589.13)	(485.72)	
88	09/17/11	4.7500%	401,391.89	400,978.32	(2,074.85)	(1,587.21)	(487.64)	
89	10/17/11	4.7500%	400,909.87	400,490.68	(2,074.85)	(1,585.28)	(489.57)	
90	11/17/11	4.7500%	400,425.95	400,001.10	(2,074.85)	(1,583.34)	(491.51)	
91	12/17/11	4.7500%	399,940.11	399,509.59	(2,074.85)	(1,581.39)	(493.46)	
92	01/17/12	4.7500%	399,452.35	399,016.13	(2,074.85)	(1,579.44)	(495.41)	
93	02/17/12	4.7500%	398,962.66	398,520.72	(2,074.85)	(1,577.48)	(497.37)	
94	03/17/12	4.7500%	398,471.02	398,023.35	(2,074.85)	(1,575.51)	(499.34)	
95	04/17/12	4.7500%	397,977.45	397,524.01	(2,074.85)	(1,573.53)	(501.32)	
96	05/17/12	4.7500%	397,481.92	397,022.69	(2,074.85)	(1,571.55)	(503.30)	
97	06/17/12	4.7500%	396,984.42	396,519.39	(2,074.85)	(1,569.56)	(505.29)	
98	07/17/12	4.7500%	396,484.96	396,014.10	(2,074.85)	(1,567.56)	(507.29)	
99	08/17/12	4.7500%	395,983.52	395,506.80	(2,074.85)	(1,565.55)	(509.30)	
100	09/17/12	4.7500%	395,480.10	394,997.50	(2,074.85)	(1,563.53)	(511.32)	
101	10/17/12	4.7500%	394,974.68	394,486.18	(2,074.85)	(1,561.51)	(513.34)	
102	11/17/12	4.7500%	394,467.26	393,972.84	(2,074.85)	(1,559.48)	(515.37)	
103	12/17/12	4.7500%	393,957.84	393,457.47	(2,074.85)	(1,557.44)	(517.41)	
104	01/17/13	4.7500%	393,446.40	392,940.05	(2,074.85)	(1,555.39)	(519.46)	
105	02/17/13	4.7500%	392,932.93	392,420.59	(2,074.85)	(1,553.33)	(521.52)	
106	03/17/13	4.7500%	392,417.43	391,899.07	(2,074.85)	(1,551.27)	(523.58)	
107	04/17/13	4.7500%	391,899.89	391,375.49	(2,074.85)	(1,549.19)	(525.66)	
108	05/17/13	4.7500%	391,380.30	390,849.83	(2,074.85)	(1,547.11)	(527.74)	
109	06/17/13	4.7500%	390,858.66	390,322.10	(2,074.85)	(1,545.03)	(529.83)	
110	07/17/13	4.7500%	390,334.95	389,792.27	(2,074.85)	(1,542.93)	(531.92)	
111	08/17/13	4.7500%	389,809.17	389,260.35	(2,074.85)	(1,540.82)	(534.03)	
112	09/17/13	4.7500%	389,281.30	388,726.32	(2,074.85)	(1,538.71)	(536.14)	
113	10/17/13	4.7500%	388,751.35	388,190.18	(2,074.85)	(1,536.59)	(538.26)	
114	11/17/13	4.7500%	388,219.30	387,651.92	(2,074.85)	(1,534.46)	(540.39)	
115	12/17/13	4.7500%	387,685.14	387,111.52	(2,074.85)	(1,532.32)	(542.53)	
116	01/17/14	4.7500%	387,148.87	386,568.99	(2,074.85)	(1,530.17)	(544.68)	
117	02/17/14	4.7500%	386,610.47	386,024.31	(2,074.85)	(1,528.01)	(546.84)	
118	03/17/14	4.7500%	386,069.95	385,477.47	(2,074.85)	(1,525.85)	(549.00)	

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Canistota, South Dakota
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Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
119	04/17/14	4.7500%	385,527.28	384,928.47	(2,074.85)	(1,523.68)	(551.17)	
120	05/17/14	4.7500%	384,982.47	384,377.29	(2,074.85)	(1,521.49)	(553.36)	
121	06/17/14	4.7500%	384,435.50	383,823.94	(2,074.85)	(1,519.30)	(555.55)	
122	07/17/14	4.7500%	383,886.36	383,268.39	(2,074.85)	(1,517.10)	(557.75)	
123	08/17/14	4.7500%	383,335.06	382,710.64	(2,074.85)	(1,514.90)	(559.95)	
124	09/17/14	4.7500%	382,781.57	382,150.69	(2,074.85)	(1,512.68)	(562.17)	
125	10/17/14	4.7500%	382,225.88	381,588.52	(2,074.85)	(1,510.45)	(564.40)	
126	11/17/14	4.7500%	381,668.00	381,024.12	(2,074.85)	(1,508.22)	(566.63)	
127	12/17/14	4.7500%	381,107.91	380,457.50	(2,074.85)	(1,505.98)	(568.87)	
128	01/17/15	4.7500%	380,545.61	379,888.62	(2,074.85)	(1,503.73)	(571.12)	
129	02/17/15	4.7500%	379,981.07	379,317.50	(2,074.85)	(1,501.47)	(573.38)	
130	03/17/15	4.7500%	379,414.31	378,744.11	(2,074.85)	(1,499.20)	(575.65)	
131	04/17/15	4.7500%	378,845.30	378,168.46	(2,074.85)	(1,496.92)	(577.93)	
132	05/17/15	4.7500%	378,274.03	377,590.53	(2,074.85)	(1,494.63)	(580.22)	
133	06/17/15	4.7500%	377,700.51	377,010.31	(2,074.85)	(1,492.33)	(582.52)	
134	07/17/15	4.7500%	377,124.72	376,427.79	(2,074.85)	(1,490.03)	(584.82)	
135	08/17/15	4.7500%	376,546.64	375,842.96	(2,074.85)	(1,487.71)	(587.14)	
136	09/17/15	4.7500%	375,966.28	375,255.83	(2,074.85)	(1,485.39)	(589.46)	
137	10/17/15	4.7500%	375,383.62	374,666.36	(2,074.85)	(1,483.05)	(591.80)	
138	11/17/15	4.7500%	374,798.66	374,074.57	(2,074.85)	(1,480.71)	(594.14)	
139	12/17/15	4.7500%	374,211.38	373,480.43	(2,074.85)	(1,478.36)	(596.49)	
140	01/17/16	4.7500%	373,621.77	372,883.94	(2,074.85)	(1,476.00)	(598.85)	
141	02/17/16	4.7500%	373,029.83	372,285.09	(2,074.85)	(1,473.63)	(601.22)	
142	03/17/16	4.7500%	372,435.55	371,683.87	(2,074.85)	(1,471.25)	(603.60)	
143	04/17/16	4.7500%	371,838.92	371,080.27	(2,074.85)	(1,468.86)	(605.99)	
144	05/17/16	4.7500%	371,239.92	370,474.28	(2,074.85)	(1,466.46)	(608.39)	
145	06/17/16	4.7500%	370,638.55	369,865.89	(2,074.85)	(1,464.05)	(610.80)	
146	07/17/16	4.7500%	370,034.80	369,255.09	(2,074.85)	(1,461.63)	(613.22)	
147	08/17/16	4.7500%	369,428.67	368,641.87	(2,074.85)	(1,459.21)	(615.64)	
148	09/17/16	4.7500%	368,820.13	368,026.23	(2,074.85)	(1,456.77)	(618.08)	
149	10/17/16	4.7500%	368,209.18	367,408.15	(2,074.85)	(1,454.32)	(620.53)	
150	11/17/16	4.7500%	367,595.82	366,787.62	(2,074.85)	(1,451.87)	(622.98)	
151	12/17/16	4.7500%	366,980.03	366,164.64	(2,074.85)	(1,449.40)	(625.45)	
152	01/17/17	4.7500%	366,361.80	365,539.19	(2,074.85)	(1,446.93)	(627.92)	
153	02/17/17	4.7500%	365,741.12	364,911.27	(2,074.85)	(1,444.44)	(630.41)	
154	03/17/17	4.7500%	365,117.99	364,280.86	(2,074.85)	(1,441.95)	(632.90)	
155	04/17/17	4.7500%	364,492.39	363,647.96	(2,074.85)	(1,439.44)	(635.41)	
156	05/17/17	4.7500%	363,864.31	363,012.55	(2,074.85)	(1,436.92)	(637.93)	
157	06/17/17	4.7500%	363,233.75	362,374.62	(2,074.85)	(1,434.40)	(640.45)	
158	07/17/17	4.7500%	362,600.69	361,734.17	(2,074.85)	(1,431.86)	(642.99)	
159	08/17/17	4.7500%	361,965.13	361,091.18	(2,074.85)	(1,429.32)	(645.53)	
160	09/17/17	4.7500%	361,327.05	360,445.65	(2,074.85)	(1,426.76)	(648.09)	
161	10/17/17	4.7500%	360,686.44	359,797.57	(2,074.85)	(1,424.20)	(650.65)	
162	11/17/17	4.7500%	360,043.30	359,146.92	(2,074.85)	(1,421.62)	(653.23)	
163	12/17/17	4.7500%	359,397.61	358,493.69	(2,074.85)	(1,419.04)	(655.81)	
164	01/17/18	4.7500%	358,749.37	357,837.88	(2,074.85)	(1,416.44)	(658.41)	
165	02/17/18	4.7500%	358,098.56	357,179.47	(2,074.85)	(1,413.84)	(661.01)	
166	03/17/18	4.7500%	357,445.18	356,518.45	(2,074.85)	(1,411.22)	(663.63)	
167	04/17/18	4.7500%	356,789.20	355,854.82	(2,074.85)	(1,408.59)	(666.26)	
168	05/17/18	4.7500%	356,130.64	355,188.56	(2,074.85)	(1,405.95)	(668.90)	
169	06/17/18	4.7500%	355,469.46	354,519.67	(2,074.85)	(1,403.31)	(671.54)	
170	07/17/18	4.7500%	354,805.67	353,848.13	(2,074.85)	(1,400.65)	(674.20)	
171	08/17/18	4.7500%	354,139.25	353,173.93	(2,074.85)	(1,397.98)	(676.87)	
172	09/17/18	4.7500%	353,470.19	352,497.06	(2,074.85)	(1,395.30)	(679.55)	
173	10/17/18	4.7500%	352,798.49	351,817.51	(2,074.85)	(1,392.61)	(682.24)	
174	11/17/18	4.7500%	352,124.12	351,135.27	(2,074.85)	(1,389.91)	(684.94)	
175	12/17/18	4.7500%	351,447.09	350,450.33	(2,074.85)	(1,387.20)	(687.65)	
176	01/17/19	4.7500%	350,767.37	349,762.68	(2,074.85)	(1,384.48)	(690.37)	
177	02/17/19	4.7500%	350,084.97	349,072.30	(2,074.85)	(1,381.74)	(693.11)	

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Canistota, South Dakota
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Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
178	03/17/19	4.7500%	349,399.86	348,379.20	(2,074.85)	(1,379.00)	(695.85)	
179	04/17/19	4.7500%	348,712.05	347,683.35	(2,074.85)	(1,376.25)	(698.60)	
180	05/17/19	4.7500%	348,021.50	346,984.75	(2,074.85)	(1,373.48)	(701.37)	
181	06/17/19	4.7500%	347,328.23	346,283.38	(2,074.85)	(1,370.71)	(704.15)	
182	07/17/19	4.7500%	346,632.21	345,579.23	(2,074.85)	(1,367.92)	(706.93)	
183	08/17/19	4.7500%	345,933.44	344,872.30	(2,074.85)	(1,365.12)	(709.73)	
184	09/17/19	4.7500%	345,231.90	344,162.57	(2,074.85)	(1,362.31)	(712.54)	
185	10/17/19	4.7500%	344,527.59	343,450.03	(2,074.85)	(1,359.49)	(715.36)	
186	11/17/19	4.7500%	343,820.48	342,734.67	(2,074.85)	(1,356.66)	(718.19)	
187	12/17/19	4.7500%	343,110.58	342,016.48	(2,074.85)	(1,353.82)	(721.03)	
188	01/17/20	4.7500%	342,397.87	341,295.44	(2,074.85)	(1,350.96)	(723.89)	
189	02/17/20	4.7500%	341,682.33	340,571.55	(2,074.85)	(1,348.10)	(726.75)	
190	03/17/20	4.7500%	340,963.97	339,844.80	(2,074.85)	(1,345.22)	(729.63)	
191	04/17/20	4.7500%	340,242.76	339,115.17	(2,074.85)	(1,342.33)	(732.52)	
192	05/17/20	4.7500%	339,518.69	338,382.65	(2,074.85)	(1,339.43)	(735.42)	
193	06/17/20	4.7500%	338,791.76	337,647.23	(2,074.85)	(1,336.52)	(738.33)	
194	07/17/20	4.7500%	338,061.96	336,908.90	(2,074.85)	(1,333.60)	(741.25)	
195	08/17/20	4.7500%	337,329.26	336,167.65	(2,074.85)	(1,330.66)	(744.19)	
196	09/17/20	4.7500%	336,593.66	335,423.46	(2,074.85)	(1,327.72)	(747.13)	
197	10/17/20	4.7500%	335,855.15	334,676.33	(2,074.85)	(1,324.76)	(750.09)	
198	11/17/20	4.7500%	335,113.72	333,926.24	(2,074.85)	(1,321.79)	(753.06)	
199	12/17/20	4.7500%	334,369.35	333,173.18	(2,074.85)	(1,318.81)	(756.04)	
200	01/17/21	4.7500%	333,622.04	332,417.14	(2,074.85)	(1,315.82)	(759.03)	
201	02/17/21	4.7500%	332,871.77	331,658.11	(2,074.85)	(1,312.81)	(762.04)	
202	03/17/21	4.7500%	332,118.53	330,896.07	(2,074.85)	(1,309.80)	(765.05)	
203	04/17/21	4.7500%	331,362.30	330,131.02	(2,074.85)	(1,306.77)	(768.08)	
204	05/17/21	4.7500%	330,603.09	329,362.94	(2,074.85)	(1,303.73)	(771.12)	
205	06/17/21	4.7500%	329,840.87	328,591.82	(2,074.85)	(1,300.68)	(774.17)	
206	07/17/21	4.7500%	329,075.63	327,817.64	(2,074.85)	(1,297.61)	(777.24)	
207	08/17/21	4.7500%	328,307.36	327,040.41	(2,074.85)	(1,294.53)	(780.32)	
208	09/17/21	4.7500%	327,536.05	326,260.09	(2,074.85)	(1,291.45)	(783.40)	
209	10/17/21	4.7500%	326,761.69	325,476.69	(2,074.85)	(1,288.35)	(786.50)	
210	11/17/21	4.7500%	325,984.26	324,690.18	(2,074.85)	(1,285.23)	(789.62)	
211	12/17/21	4.7500%	325,203.76	323,900.56	(2,074.85)	(1,282.11)	(792.74)	
212	01/17/22	4.7500%	324,420.17	323,107.82	(2,074.85)	(1,278.97)	(795.88)	
213	02/17/22	4.7500%	323,633.47	322,311.94	(2,074.85)	(1,275.82)	(799.03)	
214	03/17/22	4.7500%	322,843.66	321,512.91	(2,074.85)	(1,272.66)	(802.19)	
215	04/17/22	4.7500%	322,050.72	320,710.71	(2,074.85)	(1,269.48)	(805.37)	
216	05/17/22	4.7500%	321,254.65	319,905.34	(2,074.85)	(1,266.29)	(808.56)	
217	06/17/22	4.7500%	320,455.42	319,096.78	(2,074.85)	(1,263.09)	(811.76)	
218	07/17/22	4.7500%	319,653.04	318,285.03	(2,074.85)	(1,259.88)	(814.97)	
219	08/17/22	4.7500%	318,847.47	317,470.05	(2,074.85)	(1,256.65)	(818.20)	
220	09/17/22	4.7500%	318,038.72	316,651.86	(2,074.85)	(1,253.41)	(821.44)	
221	10/17/22	4.7500%	317,226.76	315,830.42	(2,074.85)	(1,250.16)	(824.69)	
222	11/17/22	4.7500%	316,411.59	315,005.73	(2,074.85)	(1,246.90)	(827.95)	
223	12/17/22	4.7500%	315,593.19	314,177.78	(2,074.85)	(1,243.62)	(831.23)	
224	01/17/23	4.7500%	314,771.56	313,346.55	(2,074.85)	(1,240.33)	(834.52)	
225	02/17/23	4.7500%	313,946.67	312,512.03	(2,074.85)	(1,237.03)	(837.82)	
226	03/17/23	4.7500%	313,118.52	311,674.21	(2,074.85)	(1,233.71)	(841.14)	
227	04/17/23	4.7500%	312,287.09	310,833.07	(2,074.85)	(1,230.38)	(844.47)	
228	05/17/23	4.7500%	311,452.36	309,988.60	(2,074.85)	(1,227.04)	(847.81)	
229	06/17/23	4.7500%	310,614.34	309,140.79	(2,074.85)	(1,223.68)	(851.17)	
230	07/17/23	4.7500%	309,772.99	308,289.62	(2,074.85)	(1,220.31)	(854.54)	
231	08/17/23	4.7500%	308,928.32	307,435.08	(2,074.85)	(1,216.93)	(857.92)	
232	09/17/23	4.7500%	308,080.30	306,577.16	(2,074.85)	(1,213.53)	(861.32)	
233	10/17/23	4.7500%	307,228.93	305,715.85	(2,074.85)	(1,210.13)	(864.72)	
234	11/17/23	4.7500%	306,374.19	304,851.12	(2,074.85)	(1,206.70)	(868.15)	
235	12/17/23	4.7500%	305,516.06	303,982.97	(2,074.85)	(1,203.27)	(871.58)	
236	01/17/24	4.7500%	304,654.53	303,111.39	(2,074.85)	(1,199.82)	(875.03)	

Schedule A

Date
5/17/2002

Issuer
Canistota, South Dakota
Sewer and Water Utility Revenue Bonds, Series 2002

Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
237	02/17/24	4.7500%	303,789.60	302,236.36	(2,074.85)	(1,196.35)	(878.50)	
238	03/17/24	4.7500%	302,921.24	301,357.86	(2,074.85)	(1,192.87)	(881.98)	
239	04/17/24	4.7500%	302,049.45	300,475.88	(2,074.85)	(1,189.38)	(885.47)	
240	05/17/24	4.7500%	301,174.20	299,590.42	(2,074.85)	(1,185.88)	(888.97)	
241	06/17/24	4.7500%	300,295.49	298,701.45	(2,074.85)	(1,182.36)	(892.49)	
242	07/17/24	4.7500%	299,413.30	297,808.96	(2,074.85)	(1,178.83)	(896.02)	
243	08/17/24	4.7500%	298,527.62	296,912.93	(2,074.85)	(1,175.28)	(899.57)	
244	09/17/24	4.7500%	297,638.43	296,013.36	(2,074.85)	(1,171.72)	(903.13)	
245	10/17/24	4.7500%	296,745.72	295,110.23	(2,074.85)	(1,168.14)	(906.71)	
246	11/17/24	4.7500%	295,849.48	294,203.53	(2,074.85)	(1,164.56)	(910.29)	
247	12/17/24	4.7500%	294,949.70	293,293.23	(2,074.85)	(1,160.95)	(913.90)	
248	01/17/25	4.7500%	294,046.35	292,379.34	(2,074.85)	(1,157.33)	(917.52)	
249	02/17/25	4.7500%	293,139.42	291,461.82	(2,074.85)	(1,153.70)	(921.15)	
250	03/17/25	4.7500%	292,228.91	290,540.67	(2,074.85)	(1,150.06)	(924.79)	
251	04/17/25	4.7500%	291,314.79	289,615.88	(2,074.85)	(1,146.40)	(928.45)	
252	05/17/25	4.7500%	290,397.05	288,687.43	(2,074.85)	(1,142.72)	(932.13)	
253	06/17/25	4.7500%	289,475.68	287,755.30	(2,074.85)	(1,139.03)	(935.82)	
254	07/17/25	4.7500%	288,550.66	286,819.48	(2,074.85)	(1,135.33)	(939.52)	
255	08/17/25	4.7500%	287,621.98	285,879.96	(2,074.85)	(1,131.61)	(943.24)	
256	09/17/25	4.7500%	286,689.63	284,936.71	(2,074.85)	(1,127.87)	(946.98)	
257	10/17/25	4.7500%	285,753.58	283,989.74	(2,074.85)	(1,124.13)	(950.72)	
258	11/17/25	4.7500%	284,813.83	283,039.01	(2,074.85)	(1,120.36)	(954.49)	
259	12/17/25	4.7500%	283,870.36	282,084.53	(2,074.85)	(1,116.58)	(958.27)	
260	01/17/26	4.7500%	282,923.16	281,126.26	(2,074.85)	(1,112.79)	(962.06)	
261	02/17/26	4.7500%	281,972.20	280,164.20	(2,074.85)	(1,108.98)	(965.87)	
262	03/17/26	4.7500%	281,017.48	279,198.34	(2,074.85)	(1,105.16)	(969.69)	
263	04/17/26	4.7500%	280,058.99	278,228.65	(2,074.85)	(1,101.32)	(973.53)	
264	05/17/26	4.7500%	279,096.69	277,255.12	(2,074.85)	(1,097.47)	(977.38)	
265	06/17/26	4.7500%	278,130.59	276,277.74	(2,074.85)	(1,093.60)	(981.25)	
266	07/17/26	4.7500%	277,160.67	275,296.49	(2,074.85)	(1,089.72)	(985.13)	
267	08/17/26	4.7500%	276,186.90	274,311.35	(2,074.85)	(1,085.82)	(989.03)	
268	09/17/26	4.7500%	275,209.28	273,322.32	(2,074.85)	(1,081.90)	(992.95)	
269	10/17/26	4.7500%	274,227.80	272,329.37	(2,074.85)	(1,077.97)	(996.88)	
270	11/17/26	4.7500%	273,242.42	271,332.49	(2,074.85)	(1,074.02)	(1,000.83)	
271	12/17/26	4.7500%	272,253.15	270,331.66	(2,074.85)	(1,070.06)	(1,004.79)	
272	01/17/27	4.7500%	271,259.96	269,326.88	(2,074.85)	(1,066.09)	(1,008.76)	
273	02/17/27	4.7500%	270,262.84	268,318.11	(2,074.85)	(1,062.09)	(1,012.76)	
274	03/17/27	4.7500%	269,261.77	267,305.35	(2,074.85)	(1,058.08)	(1,016.77)	
275	04/17/27	4.7500%	268,256.74	266,288.59	(2,074.85)	(1,054.06)	(1,020.79)	
276	05/17/27	4.7500%	267,247.73	265,267.80	(2,074.85)	(1,050.02)	(1,024.83)	
277	06/17/27	4.7500%	266,234.73	264,242.96	(2,074.85)	(1,045.96)	(1,028.89)	
278	07/17/27	4.7500%	265,217.71	263,214.08	(2,074.85)	(1,041.89)	(1,032.96)	
279	08/17/27	4.7500%	264,196.67	262,181.12	(2,074.85)	(1,037.80)	(1,037.05)	
280	09/17/27	4.7500%	263,171.59	261,144.07	(2,074.85)	(1,033.70)	(1,041.15)	
281	10/17/27	4.7500%	262,142.46	260,102.91	(2,074.85)	(1,029.57)	(1,045.28)	
282	11/17/27	4.7500%	261,109.24	259,057.63	(2,074.85)	(1,025.44)	(1,049.41)	
283	12/17/27	4.7500%	260,071.94	258,008.22	(2,074.85)	(1,021.28)	(1,053.57)	
284	01/17/28	4.7500%	259,030.54	256,954.65	(2,074.85)	(1,017.11)	(1,057.74)	
285	02/17/28	4.7500%	257,985.01	255,896.92	(2,074.85)	(1,012.93)	(1,061.92)	
286	03/17/28	4.7500%	256,935.34	254,834.99	(2,074.85)	(1,008.72)	(1,066.13)	
287	04/17/28	4.7500%	255,881.52	253,768.86	(2,074.85)	(1,004.50)	(1,070.35)	
288	05/17/28	4.7500%	254,823.52	252,698.51	(2,074.85)	(1,000.27)	(1,074.59)	
289	06/17/28	4.7500%	253,761.34	251,623.93	(2,074.85)	(996.01)	(1,078.84)	
290	07/17/28	4.7500%	252,694.95	250,545.09	(2,074.85)	(991.74)	(1,083.11)	
291	08/17/28	4.7500%	251,624.34	249,461.98	(2,074.85)	(987.45)	(1,087.40)	
292	09/17/28	4.7500%	250,549.50	248,374.59	(2,074.85)	(983.15)	(1,091.70)	
293	10/17/28	4.7500%	249,470.40	247,282.89	(2,074.85)	(978.83)	(1,096.02)	
294	11/17/28	4.7500%	248,387.03	246,186.86	(2,074.85)	(974.49)	(1,100.36)	
295	12/17/28	4.7500%	247,299.37	245,086.50	(2,074.85)	(970.13)	(1,104.72)	

Schedule A

Date
5/17/2002

Issuer
Canistota, South Dakota
Sewer and Water Utility Revenue Bonds, Series 2002

Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
296	01/17/29	4.7500%	246,207.40	243,981.79	(2,074.85)	(965.76)	(1,109.09)	
297	02/17/29	4.7500%	245,111.11	242,872.70	(2,074.85)	(961.37)	(1,113.48)	
298	03/17/29	4.7500%	244,010.49	241,759.22	(2,074.85)	(956.96)	(1,117.89)	
299	04/17/29	4.7500%	242,905.50	240,641.33	(2,074.85)	(952.54)	(1,122.31)	
300	05/17/29	4.7500%	241,796.15	239,519.02	(2,074.85)	(948.10)	(1,126.75)	
301	06/17/29	4.7500%	240,682.40	238,392.27	(2,074.85)	(943.64)	(1,131.21)	
302	07/17/29	4.7500%	239,564.24	237,261.05	(2,074.85)	(939.16)	(1,135.69)	
303	08/17/29	4.7500%	238,441.66	236,125.36	(2,074.85)	(934.66)	(1,140.19)	
304	09/17/29	4.7500%	237,314.63	234,985.18	(2,074.85)	(930.15)	(1,144.70)	
305	10/17/29	4.7500%	236,183.14	233,840.47	(2,074.85)	(925.62)	(1,149.23)	
306	11/17/29	4.7500%	235,047.17	232,691.24	(2,074.85)	(921.07)	(1,153.78)	
307	12/17/29	4.7500%	233,906.71	231,537.46	(2,074.85)	(916.50)	(1,158.35)	
308	01/17/30	4.7500%	232,761.73	230,379.12	(2,074.85)	(911.92)	(1,162.93)	
309	02/17/30	4.7500%	231,612.22	229,216.18	(2,074.85)	(907.31)	(1,167.54)	
310	03/17/30	4.7500%	230,458.16	228,048.65	(2,074.85)	(902.69)	(1,172.16)	
311	04/17/30	4.7500%	229,299.53	226,876.49	(2,074.85)	(898.05)	(1,176.80)	
312	05/17/30	4.7500%	228,136.32	225,699.69	(2,074.85)	(893.39)	(1,181.46)	
313	06/17/30	4.7500%	226,968.50	224,518.24	(2,074.85)	(888.72)	(1,186.13)	
314	07/17/30	4.7500%	225,796.06	223,332.10	(2,074.85)	(884.02)	(1,190.83)	
315	08/17/30	4.7500%	224,618.97	222,141.28	(2,074.85)	(879.31)	(1,195.54)	
316	09/17/30	4.7500%	223,437.23	220,945.74	(2,074.85)	(874.58)	(1,200.27)	
317	10/17/30	4.7500%	222,250.81	219,745.46	(2,074.85)	(869.83)	(1,205.02)	
318	11/17/30	4.7500%	221,059.70	218,540.44	(2,074.85)	(865.06)	(1,209.79)	
319	12/17/30	4.7500%	219,863.87	217,330.65	(2,074.85)	(860.27)	(1,214.58)	
320	01/17/31	4.7500%	218,663.30	216,116.06	(2,074.85)	(855.46)	(1,219.39)	
321	02/17/31	4.7500%	217,457.99	214,896.67	(2,074.85)	(850.63)	(1,224.22)	
322	03/17/31	4.7500%	216,247.90	213,672.45	(2,074.85)	(845.79)	(1,229.06)	
323	04/17/31	4.7500%	215,033.02	212,443.39	(2,074.85)	(840.92)	(1,233.93)	
324	05/17/31	4.7500%	213,813.33	211,209.46	(2,074.85)	(836.04)	(1,238.81)	
325	06/17/31	4.7500%	212,588.82	209,970.65	(2,074.85)	(831.13)	(1,243.72)	
326	07/17/31	4.7500%	211,359.46	208,726.93	(2,074.85)	(826.21)	(1,248.64)	
327	08/17/31	4.7500%	210,125.23	207,478.30	(2,074.85)	(821.27)	(1,253.58)	
328	09/17/31	4.7500%	208,886.12	206,224.71	(2,074.85)	(816.31)	(1,258.54)	
329	10/17/31	4.7500%	207,642.10	204,966.17	(2,074.85)	(811.32)	(1,263.53)	
330	11/17/31	4.7500%	206,393.16	203,702.64	(2,074.85)	(806.32)	(1,268.53)	
331	12/17/31	4.7500%	205,139.27	202,434.12	(2,074.85)	(801.30)	(1,273.55)	
332	01/17/32	4.7500%	203,880.42	201,160.57	(2,074.85)	(796.26)	(1,278.59)	
333	02/17/32	4.7500%	202,616.59	199,881.98	(2,074.85)	(791.20)	(1,283.65)	
334	03/17/32	4.7500%	201,347.76	198,598.33	(2,074.85)	(786.12)	(1,288.73)	
335	04/17/32	4.7500%	200,073.90	197,309.60	(2,074.85)	(781.02)	(1,293.83)	
336	05/17/32	4.7500%	198,795.00	196,015.76	(2,074.85)	(775.90)	(1,298.95)	
337	06/17/32	4.7500%	197,511.04	194,716.81	(2,074.85)	(770.75)	(1,304.10)	
338	07/17/32	4.7500%	196,221.99	193,412.71	(2,074.85)	(765.59)	(1,309.26)	
339	08/17/32	4.7500%	194,927.85	192,103.46	(2,074.85)	(760.41)	(1,314.44)	
340	09/17/32	4.7500%	193,628.58	190,789.02	(2,074.85)	(755.21)	(1,319.64)	
341	10/17/32	4.7500%	192,324.17	189,469.37	(2,074.85)	(749.98)	(1,324.87)	
342	11/17/32	4.7500%	191,014.59	188,144.51	(2,074.85)	(744.74)	(1,330.11)	
343	12/17/32	4.7500%	189,699.83	186,814.39	(2,074.85)	(739.47)	(1,335.38)	
344	01/17/33	4.7500%	188,379.87	185,479.02	(2,074.85)	(734.19)	(1,340.66)	
345	02/17/33	4.7500%	187,054.68	184,138.36	(2,074.85)	(728.88)	(1,345.97)	
346	03/17/33	4.7500%	185,724.25	182,792.39	(2,074.85)	(723.55)	(1,351.30)	
347	04/17/33	4.7500%	184,388.55	181,441.09	(2,074.85)	(718.20)	(1,356.65)	
348	05/17/33	4.7500%	183,047.56	180,084.44	(2,074.85)	(712.83)	(1,362.02)	
349	06/17/33	4.7500%	181,701.26	178,722.43	(2,074.85)	(707.44)	(1,367.41)	
350	07/17/33	4.7500%	180,349.64	177,355.02	(2,074.85)	(702.03)	(1,372.82)	
351	08/17/33	4.7500%	178,992.66	175,982.20	(2,074.85)	(696.60)	(1,378.25)	
352	09/17/33	4.7500%	177,630.32	174,603.95	(2,074.85)	(691.14)	(1,383.71)	
353	10/17/33	4.7500%	176,262.58	173,220.24	(2,074.85)	(685.66)	(1,389.19)	
354	11/17/33	4.7500%	174,889.43	171,831.05	(2,074.85)	(680.16)	(1,394.69)	

Schedule A

Date
5/17/2002

Issuer
Canistota, South Dakota
Sewer and Water Utility Revenue Bonds, Series 2002

Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
355	12/17/33	4.7500%	173,510.84	170,436.37	(2,074.85)	(674.64)	(1,400.21)	
356	01/17/34	4.7500%	172,126.79	169,036.16	(2,074.85)	(669.10)	(1,405.75)	
357	02/17/34	4.7500%	170,737.27	167,630.41	(2,074.85)	(663.54)	(1,411.31)	
358	03/17/34	4.7500%	169,342.25	166,219.10	(2,074.85)	(657.95)	(1,416.90)	
359	04/17/34	4.7500%	167,941.70	164,802.20	(2,074.85)	(652.34)	(1,422.51)	
360	05/17/34	4.7500%	166,535.61	163,379.69	(2,074.85)	(646.71)	(1,428.14)	
361	06/17/34	4.7500%	165,123.96	161,951.55	(2,074.85)	(641.06)	(1,433.79)	
362	07/17/34	4.7500%	163,706.71	160,517.76	(2,074.85)	(635.38)	(1,439.47)	
363	08/17/34	4.7500%	162,283.86	159,078.29	(2,074.85)	(629.68)	(1,445.17)	
364	09/17/34	4.7500%	160,855.38	157,633.13	(2,074.85)	(623.96)	(1,450.89)	
365	10/17/34	4.7500%	159,421.24	156,182.24	(2,074.85)	(618.22)	(1,456.63)	
366	11/17/34	4.7500%	157,981.42	154,725.61	(2,074.85)	(612.46)	(1,462.39)	
367	12/17/34	4.7500%	156,535.90	153,263.22	(2,074.85)	(606.67)	(1,468.18)	
368	01/17/35	4.7500%	155,084.67	151,795.04	(2,074.85)	(600.86)	(1,473.99)	
369	02/17/35	4.7500%	153,627.68	150,321.04	(2,074.85)	(595.02)	(1,479.83)	
370	03/17/35	4.7500%	152,164.94	148,841.21	(2,074.85)	(589.16)	(1,485.69)	
371	04/17/35	4.7500%	150,696.40	147,355.53	(2,074.85)	(583.28)	(1,491.57)	
372	05/17/35	4.7500%	149,222.04	145,863.96	(2,074.85)	(577.38)	(1,497.47)	
373	06/17/35	4.7500%	147,741.86	144,366.49	(2,074.85)	(571.45)	(1,503.40)	
374	07/17/35	4.7500%	146,255.81	142,863.09	(2,074.85)	(565.50)	(1,509.35)	
375	08/17/35	4.7500%	144,763.88	141,353.74	(2,074.85)	(559.53)	(1,515.32)	
376	09/17/35	4.7500%	143,266.04	139,838.41	(2,074.85)	(553.53)	(1,521.32)	
377	10/17/35	4.7500%	141,762.28	138,317.09	(2,074.85)	(547.51)	(1,527.34)	
378	11/17/35	4.7500%	140,252.56	136,789.74	(2,074.85)	(541.46)	(1,533.39)	
379	12/17/35	4.7500%	138,736.87	135,256.35	(2,074.85)	(535.39)	(1,539.46)	
380	01/17/36	4.7500%	137,215.18	133,716.89	(2,074.85)	(529.30)	(1,545.55)	
381	02/17/36	4.7500%	135,687.47	132,171.34	(2,074.85)	(523.18)	(1,551.67)	
382	03/17/36	4.7500%	134,153.70	130,619.67	(2,074.85)	(517.04)	(1,557.81)	
383	04/17/36	4.7500%	132,613.87	129,061.85	(2,074.85)	(510.87)	(1,563.98)	
384	05/17/36	4.7500%	131,067.94	127,497.87	(2,074.85)	(504.68)	(1,570.17)	
385	06/17/36	4.7500%	129,515.89	125,927.70	(2,074.85)	(498.46)	(1,576.39)	
386	07/17/36	4.7500%	127,957.70	124,351.32	(2,074.85)	(492.22)	(1,582.63)	
387	08/17/36	4.7500%	126,393.34	122,768.69	(2,074.85)	(485.96)	(1,588.89)	
388	09/17/36	4.7500%	124,822.79	121,179.80	(2,074.85)	(479.67)	(1,595.18)	
389	10/17/36	4.7500%	123,246.02	119,584.62	(2,074.85)	(473.36)	(1,601.49)	
390	11/17/36	4.7500%	121,663.01	117,983.13	(2,074.85)	(467.02)	(1,607.83)	
391	12/17/36	4.7500%	120,073.74	116,375.29	(2,074.85)	(460.65)	(1,614.20)	
392	01/17/37	4.7500%	118,478.17	114,761.09	(2,074.85)	(454.26)	(1,620.59)	
393	02/17/37	4.7500%	116,876.29	113,140.51	(2,074.85)	(447.85)	(1,627.00)	
394	03/17/37	4.7500%	115,268.06	111,513.50	(2,074.85)	(441.41)	(1,633.44)	
395	04/17/37	4.7500%	113,653.47	109,880.06	(2,074.85)	(434.94)	(1,639.91)	
396	05/17/37	4.7500%	112,032.49	108,240.15	(2,074.85)	(428.45)	(1,646.40)	
397	06/17/37	4.7500%	110,405.10	106,593.75	(2,074.85)	(421.93)	(1,652.92)	
398	07/17/37	4.7500%	108,771.26	104,940.84	(2,074.85)	(415.39)	(1,659.46)	
399	08/17/37	4.7500%	107,130.95	103,281.38	(2,074.85)	(408.82)	(1,666.03)	
400	09/17/37	4.7500%	105,484.15	101,615.35	(2,074.85)	(402.23)	(1,672.62)	
401	10/17/37	4.7500%	103,830.84	99,942.73	(2,074.85)	(395.61)	(1,679.24)	
402	11/17/37	4.7500%	102,170.97	98,263.49	(2,074.85)	(388.96)	(1,685.89)	
403	12/17/37	4.7500%	100,504.54	96,577.60	(2,074.85)	(382.29)	(1,692.56)	
404	01/17/38	4.7500%	98,831.51	94,885.03	(2,074.85)	(375.59)	(1,699.26)	
405	02/17/38	4.7500%	97,151.86	93,185.77	(2,074.85)	(368.86)	(1,705.99)	
406	03/17/38	4.7500%	95,465.58	91,479.78	(2,074.85)	(362.11)	(1,712.74)	
407	04/17/38	4.7500%	93,772.59	89,767.04	(2,074.85)	(355.33)	(1,719.52)	
408	05/17/38	4.7500%	92,072.91	88,047.51	(2,074.85)	(348.52)	(1,726.33)	
409	06/17/38	4.7500%	90,366.51	86,321.18	(2,074.85)	(341.69)	(1,733.16)	
410	07/17/38	4.7500%	88,653.35	84,588.02	(2,074.85)	(334.83)	(1,740.02)	
411	08/17/38	4.7500%	86,933.41	82,848.00	(2,074.85)	(327.94)	(1,746.91)	
412	09/17/38	4.7500%	85,206.67	81,101.09	(2,074.85)	(321.03)	(1,753.82)	
413	10/17/38	4.7500%	83,473.08	79,347.27	(2,074.85)	(314.08)	(1,760.77)	

Schedule A

Date
5/17/2002

Issuer
Canistota, South Dakota
Sewer and Water Utility Revenue Bonds, Series 2002

Pmnt #	Start of Period	Annual Interest Rate	Scheduled Balance	Actual Balance	Scheduled Payment	Interest Portion	Principal Portion	Additional Principal
414	11/17/38	4.7500%	81,732.64	77,586.50	(2,074.85)	(307.11)	(1,767.74)	
415	12/17/38	4.7500%	79,985.31	75,818.76	(2,074.85)	(300.12)	(1,774.73)	
416	01/17/39	4.7500%	78,231.06	74,044.03	(2,074.85)	(293.09)	(1,781.76)	
417	02/17/39	4.7500%	76,469.86	72,262.27	(2,074.85)	(286.04)	(1,788.81)	
418	03/17/39	4.7500%	74,701.70	70,473.46	(2,074.85)	(278.96)	(1,795.89)	
419	04/17/39	4.7500%	72,926.53	68,677.56	(2,074.85)	(271.85)	(1,803.00)	
420	05/17/39	4.7500%	71,144.34	66,874.56	(2,074.85)	(264.71)	(1,810.14)	
421	06/17/39	4.7500%	69,355.10	65,064.42	(2,074.85)	(257.55)	(1,817.30)	
422	07/17/39	4.7500%	67,558.77	63,247.12	(2,074.85)	(250.35)	(1,824.50)	
423	08/17/39	4.7500%	65,755.33	61,422.62	(2,074.85)	(243.13)	(1,831.72)	
424	09/17/39	4.7500%	63,944.75	59,590.91	(2,074.85)	(235.88)	(1,838.97)	
425	10/17/39	4.7500%	62,127.01	57,751.94	(2,074.85)	(228.60)	(1,846.25)	
426	11/17/39	4.7500%	60,302.07	55,905.69	(2,074.85)	(221.29)	(1,853.56)	
427	12/17/39	4.7500%	58,469.91	54,052.13	(2,074.85)	(213.96)	(1,860.89)	
428	01/17/40	4.7500%	56,630.49	52,191.24	(2,074.85)	(206.59)	(1,868.26)	
429	02/17/40	4.7500%	54,783.79	50,322.98	(2,074.85)	(199.20)	(1,875.65)	
430	03/17/40	4.7500%	52,929.79	48,447.32	(2,074.85)	(191.77)	(1,883.08)	
431	04/17/40	4.7500%	51,068.44	46,564.24	(2,074.85)	(184.32)	(1,890.53)	
432	05/17/40	4.7500%	49,199.73	44,673.71	(2,074.85)	(176.83)	(1,898.02)	
433	06/17/40	4.7500%	47,323.62	42,775.69	(2,074.85)	(169.32)	(1,905.53)	
434	07/17/40	4.7500%	45,440.08	40,870.16	(2,074.85)	(161.78)	(1,913.07)	
435	08/17/40	4.7500%	43,549.09	38,957.09	(2,074.85)	(154.21)	(1,920.64)	
436	09/17/40	4.7500%	41,650.62	37,036.45	(2,074.85)	(146.60)	(1,928.25)	
437	10/17/40	4.7500%	39,744.62	35,108.20	(2,074.85)	(138.97)	(1,935.88)	
438	11/17/40	4.7500%	37,831.09	33,172.32	(2,074.85)	(131.31)	(1,943.54)	
439	12/17/40	4.7500%	35,909.98	31,228.78	(2,074.85)	(123.61)	(1,951.24)	
440	01/17/41	4.7500%	33,981.26	29,277.54	(2,074.85)	(115.89)	(1,958.96)	
441	02/17/41	4.7500%	32,044.91	27,318.58	(2,074.85)	(108.14)	(1,966.71)	
442	03/17/41	4.7500%	30,100.90	25,351.87	(2,074.85)	(100.35)	(1,974.50)	
443	04/17/41	4.7500%	28,149.19	23,377.37	(2,074.85)	(92.54)	(1,982.31)	
444	05/17/41	4.7500%	26,189.76	21,395.05	(2,074.85)	(84.69)	(1,990.16)	
445	06/17/41	4.7500%	24,222.56	19,404.89	(2,074.85)	(76.81)	(1,998.04)	
446	07/17/41	4.7500%	22,247.59	17,406.85	(2,074.85)	(68.90)	(2,005.95)	
447	08/17/41	4.7500%	20,264.79	15,400.91	(2,074.85)	(60.96)	(2,013.89)	
448	09/17/41	4.7500%	18,274.15	13,387.02	(2,074.85)	(52.99)	(2,021.86)	
449	10/17/41	4.7500%	16,275.62	11,365.16	(2,074.85)	(44.99)	(2,029.86)	
450	11/17/41	4.7500%	14,269.19	9,335.29	(2,074.85)	(36.95)	(2,037.90)	
451	12/17/41	4.7500%	12,254.81	7,297.40	(2,074.85)	(28.89)	(2,045.96)	
452	01/17/42	4.7500%	10,232.46	5,251.43	(2,074.85)	(20.79)	(2,054.06)	
453	02/17/42	4.7500%	8,202.11	3,197.37	(2,074.85)	(12.66)	(2,062.19)	
454	03/17/42	4.7500%	6,163.72	1,135.18	(1,139.67)	(4.49)	(1,135.18)	
455		4.7500%	-	-	-	-	-	
456		4.7500%	-	-	-	-	-	
457			-	-	-	-	-	
458			-	-	-	-	-	
459			-	-	-	-	-	
460			-	-	-	-	-	
461			-	-	-	-	-	
462			-	-	-	-	-	
463			-	-	-	-	-	
464			-	-	-	-	-	
465			-	-	-	-	-	
466			-	-	-	-	-	
467			-	-	-	-	-	
468			-	-	-	-	-	
469			-	-	-	-	-	
470			-	-	-	-	-	
471			-	-	-	-	-	
472			-	-	-	-	-	

AMORTIZATION SCHEDULE

Principal	Loan Date	Maturity	Loan No	Call / Coll	Account	Officer	Initials
$112,500.00		04-15-2041					

References in the boxes above are for Lender's use only and do not limit the applicability of this document to any particular loan or item.
Any item above containing "****" has been omitted due to text length limitations.

Borrower: Canistota-Drinking Water # 1
Total Advances $426,460.00
Principal Forgiveness $313,960.00

Water

Lender: THE FIRST NATIONAL BANK IN SIOUX FALLS
/SD DENR
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PIERRE, SD

Disbursement Date:
Interest Rate: 3.000

Repayment Schedule: Installment
Calculation Method: 30 /360 U.S. Rule

Payment Number	Payment Date	Payment Amount	Interest Paid	**	Principal Paid	Remaining Balance
1	07-15-2011	1,425.10	843.75		581.35	111,918.65
2	10-15-2011	1,425.10	839.38		585.72	111,332.93
2011 TOTALS:		**2,850.20**	**1,683.13**		**1,167.07**	
3	01-15-2012	~~1,425.10~~	835.00		590.10	110,742.83
4	04-15-2012	~~1,425.10~~	830.57		594.53	110,148.30
5	07-15-2012	1,425.10	826.12		598.98	109,549.32
6	10-15-2012	1,425.10	821.62		603.48	108,945.84
2012 TOTALS:		**5,700.40**	**3,313.31**		**2,387.09**	
7	01-15-2013	1,425.10	817.09		608.01	108,337.83
8	04-15-2013	1,425.10	812.53		612.57	107,725.26
9	07-15-2013	1,425.10	807.94		617.16	107,108.10
10	10-15-2013	1,425.10	803.31		621.79	106,486.31
2013 TOTALS:		**5,700.40**	**3,240.87**		**2,459.53**	
11	01-15-2014	1,425.10	798.65		626.45	105,859.86
12	04-15-2014	1,425.10	793.95		631.15	105,228.71
13	07-15-2014	1,425.10	789.21		635.89	104,592.82
14	10-15-2014	1,425.10	784.45		640.65	103,952.17
2014 TOTALS:		**5,700.40**	**3,166.26**		**2,534.14**	
15	01-15-2015	1,425.10	779.64		645.46	103,306.71
16	04-15-2015	1,425.10	774.80		650.30	102,656.41
17	07-15-2015	1,425.10	769.93		655.17	102,001.24
18	10-15-2015	1,425.10	765.00		660.10	101,341.14
2015 TOTALS:		**5,700.40**	**3,089.37**		**2,611.03**	
19	01-15-2016	1,425.10	760.06		665.04	100,676.10
20	04-15-2016	1,425.10	755.07		670.03	100,006.07
21	07-15-2016	1,425.10	750.05		675.05	99,331.02
22	10-15-2016	1,425.10	744.98		680.12	98,650.90
2016 TOTALS:		**5,700.40**	**3,010.16**		**2,690.24**	
23	01-15-2017	1,425.10	739.88		685.22	97,965.68
24	04-15-2017	1,425.10	734.75		690.35	97,275.33
25	07-15-2017	1,425.10	729.56		695.54	96,579.79
26	10-15-2017	1,425.10	724.35		700.75	95,879.04
2017 TOTALS:		**5,700.40**	**2,928.54**		**2,771.86**	
27	01-15-2018	1,425.10	719.09		706.01	95,173.03
28	04-15-2018	1,425.10	713.80		711.30	94,461.73
29	07-15-2018	1,425.10	708.46		716.64	93,745.09
30	10-15-2018	1,425.10	703.09		722.01	93,023.08
2018 TOTALS:		**5,700.40**	**2,844.44**		**2,855.96**	
31	01-15-2019	1,425.10	697.67		727.43	92,295.65
32	04-15-2019	1,425.10	692.22		732.88	91,562.77
33	07-15-2019	1,425.10	686.72		738.38	90,824.39
34	10-15-2019	1,425.10	681.19		743.91	90,080.48
2019 TOTALS:		**5,700.40**	**2,757.80**		**2,942.60**	
35	01-15-2020	1,425.10	675.60		749.50	89,330.98
36	04-15-2020	1,425.10	669.98		755.12	88,575.86
37	07-15-2020	1,425.10	664.32		760.78	87,815.08
38	10-15-2020	1,425.10	658.61		766.49	87,048.59

** INTEREST PAID also includes Admin Surcharge amounts

AMORTIZATION SCHEDULE
(Continued)

2020 TOTALS:		**5,700.40**	**2,668.51**	**3,031.89**	
39	01-15-2021	1,425.10	652.87	772.23	86,276.36
40	04-15-2021	1,425.10	647.07	778.03	85,498.33
41	07-15-2021	1,425.10	641.24	783.86	84,714.47
42	10-15-2021	1,425.10	635.36	789.74	83,924.73
2021 TOTALS:		**5,700.40**	**2,576.54**	**3,123.86**	
43	01-15-2022	1,425.10	629.43	795.67	83,129.06
44	04-15-2022	1,425.10	623.47	801.63	82,327.43
45	07-15-2022	1,425.10	617.46	807.64	81,519.79
46	10-15-2022	1,425.10	611.39	813.71	80,706.08
2022 TOTALS:		**5,700.40**	**2,481.75**	**3,218.65**	
47	01-15-2023	1,425.10	605.30	819.80	79,886.28
48	04-15-2023	1,425.10	599.15	825.95	79,060.33
49	07-15-2023	1,425.10	592.95	832.15	78,228.18
50	10-15-2023	1,425.10	586.71	838.39	77,389.79
2023 TOTALS:		**5,700.40**	**2,384.11**	**3,316.29**	
51	01-15-2024	1,425.10	580.42	844.68	76,545.11
52	04-15-2024	1,425.10	574.09	851.01	75,694.10
53	07-15-2024	1,425.10	567.71	857.39	74,836.71
54	10-15-2024	1,425.10	561.27	863.83	73,972.88
2024 TOTALS:		**5,700.40**	**2,283.49**	**3,416.91**	
55	01-15-2025	1,425.10	554.80	870.30	73,102.58
56	04-15-2025	1,425.10	548.27	876.83	72,225.75
57	07-15-2025	1,425.10	541.69	883.41	71,342.34
58	10-15-2025	1,425.10	535.07	890.03	70,452.31
2025 TOTALS:		**5,700.40**	**2,179.83**	**3,520.57**	
59	01-15-2026	1,425.10	528.39	896.71	69,555.60
60	04-15-2026	1,425.10	521.67	903.43	68,652.17
61	07-15-2026	1,425.10	514.89	910.21	67,741.96
62	10-15-2026	1,425.10	508.07	917.03	66,824.93
2026 TOTALS:		**5,700.40**	**2,073.02**	**3,627.38**	
63	01-15-2027	1,425.10	501.18	923.92	65,901.01
64	04-15-2027	1,425.10	494.26	930.84	64,970.17
65	07-15-2027	1,425.10	487.28	937.82	64,032.35
66	10-15-2027	1,425.10	480.24	944.86	63,087.49
2027 TOTALS:		**5,700.40**	**1,962.96**	**3,737.44**	
67	01-15-2028	1,425.10	473.16	951.94	62,135.55
68	04-15-2028	1,425.10	466.01	959.09	61,176.46
69	07-15-2028	1,425.10	458.83	966.27	60,210.19
70	10-15-2028	1,425.10	451.57	973.53	59,236.66
2028 TOTALS:		**5,700.40**	**1,849.57**	**3,850.83**	
71	01-15-2029	1,425.10	444.28	980.82	58,255.84
72	04-15-2029	1,425.10	436.92	988.18	57,267.66
73	07-15-2029	1,425.10	429.50	995.60	56,272.06
74	10-15-2029	1,425.10	422.04	1,003.06	55,269.00
2029 TOTALS:		**5,700.40**	**1,732.74**	**3,967.66**	
75	01-15-2030	1,425.10	414.52	1,010.58	54,258.42
76	04-15-2030	1,425.10	406.94	1,018.16	53,240.26
77	07-15-2030	1,425.10	399.30	1,025.80	52,214.46
78	10-15-2030	1,425.10	391.61	1,033.49	51,180.97
2030 TOTALS:		**5,700.40**	**1,612.37**	**4,088.03**	
79	01-15-2031	1,425.10	383.86	1,041.24	50,139.73
80	04-15-2031	1,425.10	376.04	1,049.06	49,090.67
81	07-15-2031	1,425.10	368.18	1,056.92	48,033.75
82	10-15-2031	1,425.10	360.26	1,064.84	46,968.91
2031 TOTALS:		**5,700.40**	**1,488.34**	**4,212.06**	
83	01-15-2032	1,425.10	352.26	1,072.84	45,896.07
84	04-15-2032	1,425.10	344.23	1,080.87	44,815.20
85	07-15-2032	1,425.10	336.11	1,088.99	43,726.21
86	10-15-2032	1,425.10	327.95	1,097.15	42,629.06

AMORTIZATION SCHEDULE
(Continued)

2032 TOTALS:		**5,700.40**	**1,360.55**	**4,339.85**	
87	01-15-2033	1,425.10	319.71	1,105.39	41,523.67
88	04-15-2033	1,425.10	311.43	1,113.67	40,410.00
89	07-15-2033	1,425.10	303.08	1,122.02	39,287.98
90	10-15-2033	1,425.10	294.66	1,130.44	38,157.54
2033 TOTALS:		**5,700.40**	**1,228.88**	**4,471.52**	
91	01-15-2034	1,425.10	286.18	1,138.92	37,018.62
92	04-15-2034	1,425.10	277.64	1,147.46	35,871.16
93	07-15-2034	1,425.10	269.03	1,156.07	34,715.09
94	10-15-2034	1,425.10	260.36	1,164.74	33,550.35
2034 TOTALS:		**5,700.40**	**1,093.21**	**4,607.19**	
95	01-15-2035	1,425.10	251.63	1,173.47	32,376.88
96	04-15-2035	1,425.10	242.83	1,182.27	31,194.61
97	07-15-2035	1,425.10	233.96	1,191.14	30,003.47
98	10-15-2035	1,425.10	225.02	1,200.08	28,803.39
2035 TOTALS:		**5,700.40**	**953.44**	**4,746.96**	
99	01-15-2036	1,425.10	216.03	1,209.07	27,594.32
100	04-15-2036	1,425.10	206.96	1,218.14	26,376.18
101	07-15-2036	1,425.10	197.82	1,227.28	25,148.90
102	10-15-2036	1,425.10	188.62	1,236.48	23,912.42
2036 TOTALS:		**5,700.40**	**809.43**	**4,890.97**	
103	01-15-2037	1,425.10	179.34	1,245.76	22,666.66
104	04-15-2037	1,425.10	170.00	1,255.10	21,411.56
105	07-15-2037	1,425.10	160.58	1,264.52	20,147.04
106	10-15-2037	1,425.10	151.11	1,273.99	18,873.05
2037 TOTALS:		**5,700.40**	**661.03**	**5,039.37**	
107	01-15-2038	1,425.10	141.55	1,283.55	17,589.50
108	04-15-2038	1,425.10	131.92	1,293.18	16,296.32
109	07-15-2038	1,425.10	122.22	1,302.88	14,993.44
110	10-15-2038	1,425.10	112.45	1,312.65	13,680.79
2038 TOTALS:		**5,700.40**	**508.14**	**5,192.26**	
111	01-15-2039	1,425.10	102.61	1,322.49	12,358.30
112	04-15-2039	1,425.10	92.68	1,332.42	11,025.88
113	07-15-2039	1,425.10	82.70	1,342.40	9,683.48
114	10-15-2039	1,425.10	72.62	1,352.48	8,331.00
2039 TOTALS:		**5,700.40**	**350.61**	**5,349.79**	
115	01-15-2040	1,425.10	62.49	1,362.61	6,968.39
116	04-15-2040	1,425.10	52.26	1,372.84	5,595.55
117	07-15-2040	1,425.10	41.97	1,383.13	4,212.42
118	10-15-2040	1,425.10	31.59	1,393.51	2,818.91
2040 TOTALS:		**5,700.40**	**188.31**	**5,512.09**	
119	01-15-2041	1,425.10	21.14	1,403.96	1,414.95
120	04-15-2041	1,425.10	10.15	1,414.95	0.00
2041 TOTALS:		**2,850.20**	**31.29**	**2,818.91**	
TOTALS:		**171,012.00**	**58,512.00**	**112,500.00**	

NOTICE: This is an estimated loan amortization schedule. Actual amounts may vary if payments are made on different dates or in different amounts.

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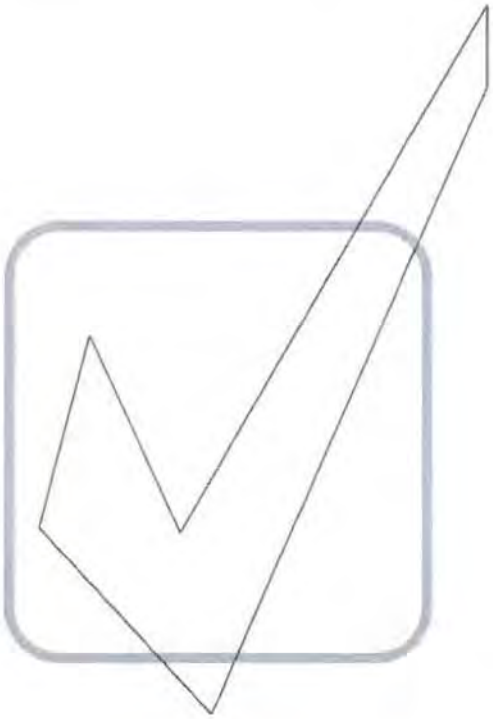
Appendix E

Capacity Assessment

SD EForm - 0427LD V2

Capacity Assessment Worksheets for Public Water Systems



Department of Environment and Natural Resources

Revised January 2015

Introduction

Because you are in the process of applying for a Drinking Water State Revolving Fund (DWSRF) loan, it is necessary for you to complete the following worksheets. The Safe Drinking Water Act requires that a system applying for a DWSRF loan must demonstrate that it has financial, managerial, and technical capacity. What exactly does that mean?

- ***Technical capacity*** - the physical infrastructure of the water system, including but not limited to the source water adequacy, infrastructure adequacy, and technical knowledge. In other words, does your treatment system work the way it is supposed to? Are you providing the safest and cleanest water possible and required by law to your customers right now, and will you be able to in the future?

- ***Managerial capacity*** - the management structure of the water system, including but not limited to ownership accountability, staffing and organization, and effective linkages. In simpler terms, do you have a capable and trained staff? Do you have an effective management structure?

- ***Financial capacity*** - the financial resources of the water system, including but not limited to the revenue sufficiency, credit worthiness, and fiscal controls. Basically, does your system have a budget and enough revenue coming in to cover costs, repairs, and replacements?

If it is determined that your system does NOT have the required capacity, you may still qualify for a DWSRF loan if it is going to be used to ensure that your system will have the necessary capacity. If you have questions while completing the following worksheets, please call our office at **(605) 773-3754** , and we will be happy to help.

After DENR receives these worksheets, we will study them and other information located in our files to make a determination whether or not your public water system has the technical, financial, and managerial capacity to be eligible to apply for a DWSRF loan. A final report will be available upon completion of the analysis.

Applicant: City of Canistota

Prepared by: Darin Nutgeren
City Engineer

Phone #: 605-296-3551

Date: 03/21/2016

Glossary of Terms

Contaminant: Any physical, chemical, biological, or radiological substance or matter in water;

Disinfectant: Any oxidant, including chlorine, chlorine dioxide, chloramine, and ozone, that is added to water in any part of the treatment or distribution process and that is intended to kill or inactivate pathogenic microorganisms;

Disinfectant contact time: The time in minutes that it takes for water to move from the point of disinfectant application or the previous point of disinfectant residual measurement to a point before or at the point where residual disinfectant concentration is measured;

Filtration: A process for removing particulate matter from the water by passing the water through porous media;

Ground Water: The supply of fresh water found beneath the surface of the ground, usually in aquifers, which is often used for supplying wells and springs;

Ground Water Under the Direct Influence of Surface Water: Any water beneath the surface of the ground with a significant occurrence of insects, macroorganisms, algae, or large-diameter pathogens such a *Giardia lamblia* ; or any water with significant and relatively rapid shifts in water quality characteristics such as turbidity, temperature, conductivity, or pH which closely correlate to climatological or surface water conditions;

Maximum Contaminant Level (MCLs): The maximum permissible level of a contaminant in water delivered to any user of a public water system. MCLs are enforceable standards;

mg/L: milligrams per liter - equivalent to parts per million;

µg/L: micrograms per liter - equivalent to parts per billion;

NTU: nephelometric turbidity unit;

psi: pounds per square inch

Surface Water: All water that is open to the atmosphere and subject to surface runoff;

Turbidity: A cloudy condition in water due to suspended silt or organic matter; and

Waiver: A process used by the Department of Environment and Natural Resources that allows a public water system to reduce or eliminate monitoring for a particular chemical.

The Technical Portion of your System

Your Water Supply

Please check the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section or question does not apply to your system, please check NA for not applicable.***

Water Supply and Existing Demands	**Yes**	**No**	**Unknown**	**NA**
Do you know how much water you pump on an average day? ***Amount:*** 49,200 gallons	☑	☐	☐	☐
Do you know how much water you pump on a peak day? ***Amount:*** 75,440 gallons	☑	☐	☐	☐
Do you know the maximum amount of water you can pump from your source? ***Amount:*** 136,800 gallons	☑	☐	☐	☐
Is your source capacity higher than your peak day demand? ***Percentage higher or lower:*** 44% higher	☑	☐	☐	☐
Can you meet peak demand without pumping at peak capacity for extended periods? ***Longest time pumping at peak demand:*** _____	☐	☐	☑	☐
Have you been able to provide adequate volumes of water during drought cycles?	☑	☐	☐	☐
Have you had to restrict usage at any time for any reason? ***Please specify:*** _____	☐	☑	☐	☐
Does your system have an emergency or supplemental water supply? ***Please specify:*** non-potable well	☑	☐	☐	☐
Do you have an Emergency Response Plan that will allow you to meet system demand during a drought or shortage, such as the loss of the largest source? ***If yes, please attach.***	☐	☑	☐	☐
Water Demand	**Yes**	**No**	**Unknown**	**NA**
Do you know whether your system demands will be growing, declining, or remain stable over the next ten years? ***Please check:*** ☐ ***growing,*** ☐ ***declining, or*** ☐ ***stable.***	☐	☐	☑	☐
Does your source have additional water available for appropriation?	☐	☐	☑	☐
Do you have a water right? ***Water right permit number(s):*** _____	☐	☑	☐	☐
If you have large commercial, industrial, or irrigation users, do you know their long-term plans and understand their needs?	☑	☐	☐	☐
Purchased Water	**Yes**	**No**	**Unknown**	**NA**
If you purchase water from another system or a wholesaler, do you know their long-term plans?	☐	☑	☐	☐
Do you have a contract to purchase water? ***If yes, with whom?*** TM Rural Water	☑	☐	☐	☐
Are you currently staying within your contract?	☑	☐	☐	☐
Are you knowledgeable about other demands being placed on the same water source that you are using?	☐	☑	☐	☐

Alternative Sources	Yes	No	Unknown	NA
Are alternative water sources possibly available to you?	☐	☐	☑	☐
Are you knowledgeable of the characteristics and costs of using alternative sources?	☐	☑	☐	☐
Water Source	**Yes**	**No**	**Unknown**	**NA**
Do you know the depth of your well? ***Depth*** _____	☐	☑	☐	☐
Do you know the geologic name of the aquifer system from which your water is drawn? ***If yes, geologic name:*** Dolton Aquifer	☑	☐	☐	☐
Are all abandoned water sources properly managed and disconnected to prevent accidental contamination or problems with current water system facilities?	☐	☐	☑	☐

Treatment - Microbiological Contamination

Is your system using surface water or ground water under the influence of surface water? ☑ **Yes** ☐ **No**

(If you checked "No", skip to the next section - Ground Water Systems – unless your water system requires treatment other than just disinfection.)

Surface Water Systems

Filtration Plant Condition	Yes	No	Unknown	NA
Is your filter plant in good physical condition (free from spalling concrete, peeling paint)?	☑	☐	☐	☐
If constructed more than 20 years ago, have treatment processes been upgraded to meet current standards?	☐	☐	☐	☑
Are repair parts available?	☑	☐	☐	☐
Do you have redundancy (back-ups/automatic switch-overs) for all major mechanical units? ***If no, list units you do NOT have redundancy for:*** _____	☑	☐	☐	☐
Can your plant achieve a filtered water turbidity of 0.3 NTU?	☑	☐	☐	☐
Do you have on-line continuous turbidimeters on each filter?	☑	☐	☐	☐
Have you adopted a turbidity goal lower than the standard? ***If yes, list goal:*** Daily	☑	☐	☐	☐
Do you have the capability to add coagulant before the filter?	☑	☐	☐	☐

Ground Water Systems

Ground Water Under the Influence of Surface Water	Yes	No	Unknown	NA
Is your water free from variations in turbidity and temperature after storm events?	☑	☐	☐	☐
Well Construction and Protection				

Do you know when your well was constructed? ***List year:*** 5-25 years old	☑	☐	☐	☐
Is your well(s) constructed according to current South Dakota regulations?	☑	☐	☐	☐
Do you have a source water protection plan?	☑	☐	☐	☐
Is your wellhead finished with a pitless adapter that will prevent contamination from surface water?	☑	☐	☐	☐

Disinfection

Do you disinfect? ☐ **Yes** ☐ **No** ***(If "No", skip to the Infrastructure - Pumping section)***

Disinfection	**Yes**	**No**	**Unknown**	**NA**
Do you regularly inspect and maintain your disinfection / chlorination equipment? ***Type of Equipment:*** Miox - machine ***How often?*** Daily ***Disinfectant used:*** Chloride & Ammonia	☑	☐	☐	☐
Do you have back-up equipment? ***Type:***	☑	☐	☐	☐
Do you have adequate contact time following disinfection and before the first user in the distribution system (30 minutes for ground water systems)? ***Contact time:***	☑	☐	☐	☐
Can you detect a chlorine residual at taps at the ends of the distribution system? ***Free Chlorine Residual:*** .27 ***Total Chlorine Residual:*** 2.20 (if using chloramines)	☑	☐	☐	☐

Disinfection By-Products

Treatment for the Control of Disinfection By-Products	**Yes**	**No**	**Unknown**	**NA**
If you treat surface water, are you already practicing or could you adopt "enhanced coagulation" in your current plant?	☑	☐	☐	☐
If you treat surface water, could you still meet current contact-time requirements if disinfection were not allowed before sedimentation?	☑	☐	☐	☐

Treatment - Security

Treatment Security	**Yes**	**No**	**Unknown**	**NA**
Has the system implemented procedures to improve security of its facilities? (i.e. limiting access to sensitive sites, protecting computer and control equipment etc.)	☑	☐	☐	☐
Are chemicals used for treatment properly stored and secure?	☑	☐	☐	☐
Does the water system track chemical usage? (i.e. a sudden	☑	☐	☐	☐

increase in usage may signal potential contamination or tampering.

Infrastructure - Pumping

Condition of Pumping Equipment	**Yes**	**No**	**Unknown**	**NA**
Do you routinely inspect for signs of pump or pump motor problems? ***How often:*** Daily	☑	☐	☐	☐
Once diagnosed, are problems corrected in a timely enough manner to avoid crisis financing, costly repairs, and unscheduled downtime?	☑	☐	☐	☐
Do you hire a qualified pump contractor to perform an inspection of all pumping equipment, identify potential problems, and perform maintenance, on an annual basis?	☑	☐	☐	☐
Standby/Emergency Power Equipment	**Yes**	**No**	**Unknown**	**NA**
Is there sufficient standby/emergency power capacity to supply 100% of the average daily demand of the system (excluding fire demand)?	☑	☐	☐	☐
Are any existing standby/emergency power equipment, controls and switches tested or exercised routinely under load conditions, for at least 30 minutes at a time?	☑	☐	☐	☐
Has the local electric utility been made aware of the standby/emergency power provisions made by the water system, so that they can reinforce and safeguard the electrical facilities serving the water operations?	☑	☐	☐	☐

Infrastructure - Storage

Storage Capacity	**Yes**	**No**	**Unknown**	**NA**
Does the system have sufficient gravity-flow (non-pumped) or emergency generator-supported pumping capability to ensure adequate distribution storage to provide safe and adequate service for up to 24 hours without power? ***If no, how long:*** 12 hours	☐	☑	☐	☐
Is there reserve capacity in the tank for fire protection support? ***Amount:***	☐	☑	☐	☐
Security Measures	**Yes**	**No**	**Unknown**	**NA**
Are any openings, such as vent pipes, screened to protect against the entrance of small animals, birds, and small insects?	☑	☐	☐	☐
Are access hatches locked?	☑	☐	☐	☐
Is the tank and the immediate surrounding area fenced?	☐	☑	☐	☐
Control Systems				
Is there a high and low water level signal system to control the pumps?	☐	☑	☐	☐

Is there a drain valve or hydrant to allow for draining of the tank?	☑	☐	☐	☐
Tank Maintenance	**Yes**	**No**	**Unknown**	**NA**
Is the tank inspected at least every three years by a qualified tank contractor for evidence of corrosion or pitting, leakage, and structural weakness?	☑	☐	☐	☐
Is the tank contractor capable of analyzing the coating of paint on the interior and exterior surfaces of the tank to determine if it contains lead or other hazardous materials?	☑	☐	☐	☐

Infrastructure - Distribution

System Maintenance	**Yes**	**No**	**Unknown**	**NA**
Do you have an accurate map of your distribution system that indicates main sizes and valve locations?	☑	☐	☐	☐
Does the operator routinely flush, test, and maintain the hydrants in the system? ***How often:*** spring of each year	☑	☐	☐	☐
Are the locations of valves in the mains and curb stops on the service lines precisely known?	☐	☑	☐	☐
Does the system keep a log of distribution system breaks to identify weak areas in the system?	☑	☐	☐	☐
Are histories, locations, size, and type of mains and service lines detailed on records in a secure area?	☑	☐	☐	☐
Are all valves exercised and lubricated periodically?	☑	☐	☐	☐
Is the system free of severe "water hammer" problems?	☐	☐	☑	☐
Are meter pits, pressure regulating valves, altitude valves, blow-offs, and other appurtenances maintained on a regular basis?	☑	☐	☐	☐
Unaccounted-for Water	**Yes**	**No**	**Unknown**	**NA**
Is unaccounted-for water in the water system monitored and analyzed each month?	☑	☐	☐	☐
Is the unaccounted-for water less than 15 percent of the total water delivered to the mains? ***List percentage of unaccounted for water:*** 17 %	☐	☑	☐	☐
	Yes	**No**	**Unknown**	**NA**
Are the normal operating pressures in the distribution system between 25 psi and 125 psi? ***Normal operating pressure:*** 40 psi	☑	☐	☐	☐
Do you have a routine leak detection and repair program?	☑	☐	☐	☐
Are all sources of supply and customers metered?	☑	☐	☐	☐
Are the meters calibrated and tested routinely to ensure their accuracy and reliability?	☑	☐	☐	☐
Water Quality in Distribution System	**Yes**	**No**	**Unknown**	**NA**
Does your system have an active cross-connection control program?	☑	☐	☐	☐

Are any inspections for cross-connections performed?	☐	☑	☐	☐
Is there a program for installing and testing backflow prevention devices where potential contamination is present?	☐	☑	☐	☐
Is there a program to eliminate "dead-ends" in the mains, where feasible?	☐	☑	☐	☐
Construction Standards	**Yes**	**No**	**Unknown**	**NA**
Are the majority of your mains 6 inches in diameter or larger? ***List percentage:*** 40%	☐	☑	☐	☐
Is there a program to gradually replace sub-standard sized mains?	☑	☐	☐	☐
Are there suitable rights-of-way and easements provided to the water system for expansion, maintenance, and replacement of mains and services?	☑	☐	☐	☐
Is there sufficient earth cover (six feet) to protect the mains from frost damage or heavy loads, if driven over?	☑	☐	☐	☐
Are materials of mains designed and selected to resist corrosion, electrolysis, and deterioration?	☑	☐	☐	☐
Distribution System Problems	**Yes**	**No**	**Unknown**	**NA**
Do you receive any complaints regarding water quality (taste, odor, color, etc.)? ***List number of complaints/year:*** 2-4 ***Most common complaint:*** Class I Water Dist.	☑	☐	☐	☐
Can you maintain adequate pressure in the distribution system under all conditions of flow?	☐	☑	☐	☐

The Management Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Operation & Maintenance

Operations Staff	**Yes**	**No**	**Unknown**	**NA**
Does the person operating your system have current water treatment plant and water distribution operator certification credentials from DENR? ***If yes, list classification(s):*** Class I Water Dist.	☑	☐	☐	☐
Does your operator receive additional training on an ongoing basis to keep current on new developments in the field?	☑	☐	☐	☐
Future Operational Demands	**Yes**	**No**	**Unknown**	**NA**
Does your water system obtain any regular or occasional technical assistance from outside sources, such as DENR, your engineer, other utilities or organizations specifically dedicated to providing technical assistance? ***If yes, who*** DGR Engineering and SD Rural Water Association	☑	☐	☐	☐

Management & Administration

Who's in Charge?	**Yes**	**No**	**Unknown**	**NA**
Is there a clear plan of organization and control among the people responsible for management and operation of the system?	☑	☐	☐	☐
Does your system have written personnel policies and job descriptions signed by the employees?	☐	☑	☐	☐
Are the limits of the operator's authority clearly known?	☑	☐	☐	☐
Does everyone involved in operations know who is responsible for each area?	☑	☐	☐	☐
Is someone responsible for scheduling work?	☑	☐	☐	☐
Security	**Yes**	**No**	**Unknown**	**NA**
Does the system have procedures for handling new and terminated employees (i.e. collecting keys, changing locks and computer passwords)?	☐	☑	☐	☐
Rules and Standards	**Yes**	**No**	**Unknown**	**NA**
Do you have explicit rules and standards for system modifications?	☐	☑	☐	☐
Do you have rules governing new hook-ups?	☑	☐	☐	☐
Do you have a water main extension policy?	☑	☐	☐	☐
Do you have standard construction specifications to be followed?	☑	☐	☐	☐

	Yes	No	Unknown	NA
Do you have measures to assure cross-connection control and backflow prevention?	☐	☑	☐	☐
Do you have policies or rules describing customer rights and responsibilities?	☑	☐	☐	☐
Regulatory Compliance Program	**Yes**	**No**	**Unknown**	**NA**
Do you fully understand monitoring requirements and have a scheduling mechanism to assure compliance?	☑	☐	☐	☐
Do you know how to obtain clarification or explanation of requirements?	☑	☐	☐	☐
Do you have a mechanism to obtain the most recent information on regulatory requirements?	☑	☐	☐	☐
Do you maintain adequate records to document compliance? ***If yes, for how long?*** 3 to 5 years	☑	☐	☐	☐
Did your system have any violations of the primary drinking water standards in the last year?	☐	☑	☐	☐
Did your system have any monitoring or reporting violations in the last year?	☐	☑	☐	☐
Do you know what to do in the event of a violation?	☑	☐	☐	☐
Emergencies	**Yes**	**No**	**Unknown**	**NA**
Do you have an Emergency Response Plan?	☑	☐	☐	☐
Is there a contingency for making emergency interconnections to neighboring systems, and do you know they will work if needed?	☐	☑	☐	☐
Does everyone involved in operations know what they are to do in the event of contamination from a toxic hazardous waste spill in your source water or a main break or a tank failure?	☐	☑	☐	☐
Do you have a clear chain-of-command protocol for emergency action?	☑	☐	☐	☐
Is someone responsible for emergency operations, for communications with state regulators, for customer relations, for media relations? ***If yes, who (title):*** Darin Nugteren, Maintenance Supervisor	☑	☐	☐	☐
Safety	**Yes**	**No**	**Unknown**	**NA**
Do you have a safety program defining measures to be taken if someone is injured?	☑	☐	☐	☐
Has the entire staff been properly trained in the location and use of safety equipment?	☑	☐	☐	☐
Does everyone understand the risks and safety measures involved in handling water treatment chemicals?	☑	☐	☐	☐
Do you have written operating procedures for both routine and emergency system operations?	☐	☑	☐	☐
Are you fully aware of Occupational Safety and Health Administration (OSHA) confined space (such as trenches/manholes) regulations?	☑	☐	☐	☐
Does the system work with customers to promote their awareness of security?	☑	☐	☐	☐
Does the system have a communication plan to alert customers of a natural or intentional threat to public health?	☑	☐	☐	☐

Maintenance	Yes	No	Unknown	NA
Do you have a planned maintenance management system -- a system for scheduling routine preventive maintenance (line flushing, pumps, meters, storage tanks, etc.)?	☑	☐	☐	☐
Do you have a system for assuring adequate inventory of essential spare parts and back-up equipment?	☑	☐	☐	☐
Do you have relationships with contractors and equipment vendors to assure prompt priority service?	☑	☐	☐	☐
Do you have records and data management systems for system operating and maintenance data, for regulatory compliance data, and for system management and administration?	☑	☐	☐	☐
Management Capability	**Yes**	**No**	**Unknown**	**NA**
Are you getting the outside services and technical assistance you need? Do you have adequate legal counsel, insurance, engineering advice, technical/operations assistance, rate case preparation, and financial advice?	☑	☐	☐	☐

The Financial Portion of your System

Please mark the appropriate box: *Yes*, *No*, or *Unknown* for each section. Please try to determine the answer to every question. ***If a section does not apply to your system, please write NA for not applicable.***

Financial Planning Mechanisms	**Yes**	**No**	**Unknown**	**NA**
Does your system develop and follow an annual budget that is approved by the governing body?	☑	☐	☐	☐
Does the governing body review a monthly summary of revenues and expenses of the utility system?	☑	☐	☐	☐
Do you have within the annual budget separate reserve accounts for equipment replacement, capital improvement, depreciation or security upgrades? ***If so, list accounts:*** _____	☐	☑	☐	☐
Does the system have reserve funds available in the event of an emergency?	☑	☐	☐	☐
Do you have a capital budget or capital improvement plan that projects future capital investment needs some distance (at least five years) into the future?	☐	☑	☐	☐
Do you have a process for scheduling and committing to capital projects?	☐	☑	☐	☐
Does your planning process take account of all the potential capital needs suggested by your answers to the technical questions in these worksheets?	☐	☐	☑	☐
Does your long-term planning incorporate analysis of alternative strategies that might offer cost saving to customers, such as consolidation with other nearby systems or sharing of operations and management expenses with other nearby systems?	☐	☐	☑	☐
Rates/Billing - Are they Adequate?	**Yes**	**No**	**Unknown**	**NA**
Do you regularly review your rates? ***How often?*** Annually	☑	☐	☐	☐
Do you have a plan in place for periodic increases in rates?	☑	☐	☐	☐
Is the rate structure based on metered watered use? ***List rates per 1000 gallons:*** $22.92 min + 21.70 per 1,000 gallons (i.e. $22 minimum plus $2.50/1000 gallons)	☑	☐	☐	☐
Does the rate per 1000 gallons change as consumption increases? ***If so, please describe***: _____	☐	☑	☐	☐
Does the rate structure assure proportionality among users?	☑	☐	☐	☐
Do you have procedures for billing and collection?	☑	☐	☐	☐
Is your billing collection rate greater than 95%?	☑	☐	☐	☐
Do you have collection procedures specifically for delinquent accounts?	☑	☐	☐	☐

Financial Planning Mechanisms - Are they Adequate?	Yes	No	Unknown	NA
Does your system have audited financial statements prepared by a certified public accountant (CPA)?	☑	☐	☐	☐
Does your water system income exceed operating expenses (including debt service)?	☑	☐	☐	☐
Does your water utility support other enterprise funds or the general fund?	☐	☑	☐	☐
Does your system require revenues from other enterprise funds or the general fund for normal operations?	☐	☑	☐	☐
Do you employ standardized accounting and tracking systems?	☑	☐	☐	☐
Do you track budget performance?	☑	☐	☐	☐
Do you keep records to substantiate depreciation of fixed assets and accounting for reserve funds?	☑	☐	☐	☐
Are financial management recordkeeping systems organized?	☑	☐	☐	☐
Are controls exercised over expenditures?	☑	☐	☐	☐
Are controls exercised to keep from exceeding your budget?	☑	☐	☐	☐
Are there purchasing procedures?	☑	☐	☐	☐
Did your system's governing body review this assessment before returning it to the South Dakota Department of Environment and Natural Resources?	☐	☑	☐	☐

Financial Spreadsheet

Applicant: City of Canistota
Completed by: Kathy Townsend/Leslie Mastroianni
Date: 03/21/2016

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
Enter Year:	2015	2016	2017	2018	2019
1. Beginning Cash on Hand	$250,092	$708,366	$724,531	$772,616	$816,333
2. Cash Receipts:					
a. Unmetered Water Revenue	$28,428	$29,760	$30,058	$30,359	$30,663
b. Metered Water Revenue	$156,273	$163,680	$165,317	$166,970	$168,640
c. Other Water Revenue					
d. Total Water Revenues (2a through 2c)	$184,701	$193,440	$195,375	$197,329	$199,303
e. Connection Fees					
f. Interest and Dividend Income					
g. Other Income					
h. Total Cash Revenues (2d through 2g)	$184,701	$193,440	$195,375	$197,329	$199,303
i. Transfers in/Additional Rev Needed					
j. Loans, Grants or other Cash	$1,282,601				
Please specify					
Long Term Debt	$373,938				
3. Total Cash Receipts (2h through 2j)	$1,841,240	$193,440	$195,375	$197,329	$199,303
4. Total Cash Available (1+3)	$2,091,332	$901,806	$919,906	$969,945	$1,015,636
5. Operating Expenses					
a. Salaries and wages	$22,142	$37,800	$37,178	$37,560	$37,936
b. Employee Pensions and Benefits					
c. Purchased Water		$68,500	$69,185	$69,877	$70,575
d. Purchased Power		$3,800	$3,838	$3,876	$3,915
e. Fuel for Power Production					
f. Chemicals					
g. Materials and Supplies	$59,673	$18,750	$18,938	$19,127	$19,318
h. Engineering Services					
i. Contractual Services – Other					
j. Equip. Rent/Real Property					
k. Transportation Expenses					
l. Laboratory					
m. Insurance					
n. Regulatory Commission Expenses					
o. Advertising					
p. Miscellaneous	$48,105				
q. Total Cash O&M Expenses (5a through 5p)	$129,920	$128,850	$129,139	$130,440	$131,744
r. Replacement Expenditures					
s. Total OM&R Expenditures (5q+5r)	$129,920	$128,850	$129,139	$130,440	$131,744
t. Loan Principal/Capital Lease Payments	$6,113	$6,363	$6,623	$8,819	$9,102
u. Loan Interest Payments	$11,666	$11,787	$11,528	$14,353	$14,071
v. Transfers Out					
w. Capital Purchases (specify):	$1,235,267	$30,275			
x. Other					
6. Total Cash Paid Out (5s through 5x)	$1,382,966	$177,275	$147,290	$153,612	$154,917
7. Ending Cash Position (4 - 6)	$708,366	$724,531	$772,616	$816,333	$860,719

Financial Spreadsheet

Applicant: City of Canistota
Completed by: Kathy Townsend/Leslie Mastroianni
Date: 3/21/16

4 Year Projections	Last Year Actual	Current Year Budget Year 1 Projected	Year 2 Projected	Year 3 Projected	Year 4 Projected
8. Number of Customer Accounts	310	310	310	310	310
9. Avg Annual User Charge Account (2d/8)	$595.81	$624.00	$630.24	$636.55	$642.91
10. Coverage Ratio (2h-5s)/(5t+5u)	3.08	3.56	3.65	2.89	2.92
11. Operating Ratio (2d/5s)	1.42	1.50	1.51	1.51	1.51
12. Total Restricted Cash Balances					
a. Debt Service Reserve					
b. Bond Retirement Reserve					
c. Capital Improvement Reserve					
d. Replacement Reserve					
e. Other					
13. Restricted Cash Balance (12a through 12e)					
14. Unrestricted Cash Balance (7 – 13)	$708,366	$724,531	$772,616	$816,333	$860,719

Appendix F

2014 Financial Statements

MUNICIPALITY OF CANISTOTA
BALANCE SHEET - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
December 31, 2014

	General Fund	Third Penny Fund	Total Governmental Funds
ASSETS:			
Cash and Cash Equivalents	251,802.38	70,580.95	322,383.33
151 Investments	212,807.77		212,807.77
TOTAL ASSETS	464,610.15	70,580.95	535,191.10
FUND BALANCES:			
264 Restricted		70,580.95	70,580.95
267 Unassigned	464,610.15		464,610.15
TOTAL FUND BALANCES	464,610.15	70,580.95	535,191.10

MUNICIPALITY OF CANISTOTA

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS

GOVERNMENTAL FUNDS

For the Year Ended December 31, 2014

	General Fund	Third Penny Fund	Total Governmental Funds
Revenues:			
310 Taxes:			
311 General Property Taxes	140,125.98		140,125.98
313 General Sales and Use Taxes	153,335.78	12,863.85	166,199.63
315 Amusement Taxes	72.00		72.00
319 Penalties and Interest on Delinquent Taxes	1,461.40		1,461.40
Total Taxes	294,995.16	12,863.85	307,859.01
320 Licenses and Permits	1,500.00		1,500.00
330 Intergovernmental Revenue:			
335 State Shared Revenue:			
335.01 Bank Franchise Tax	750.38		750.38
335.03 Liquor Tax Reversion	4,838.00		4,838.00
335.04 Motor Vehicle Licenses (5%)	7,938.45		7,938.45
335.08 Local Government Highway and Bridge Fund	21,031.98		21,031.98
338 County Shared Revenue:			
338.01 County Road Tax (25%)	1,019.22		1,019.22
338.03 County Wheel Tax	2,412.34		2,412.34
Total Intergovernmental Revenue	37,990.37	0.00	37,990.37
340 Charges for Goods and Services:			
344 Sanitation	53,830.86		53,830.86
346 Culture and Recreation	6,476.60		6,476.60
Total Charges for Goods and Services	60,307.46	0.00	60,307.46
360 Miscellaneous Revenue:			
362 Rentals	3,200.00		3,200.00
363 Special Assessments	14,558.53		14,558.53
364 Maintenance Assessments	7,500.00		7,500.00
367 Contributions and Donations from Private Sources	4,400.00		4,400.00
368 Liquor Operating Agreement Income	1,800.00		1,800.00
369 Other	8,582.99		8,582.99
Total Miscellaneous Revenue	40,041.52	0.00	40,041.52
Total Revenue	434,834.51	12,863.85	447,698.36

MUNICIPALITY OF CANISTOTA

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS

GOVERNMENTAL FUNDS

For the Year Ended December 31, 2014

	General Fund	Third Penny Fund	Total Governmental Funds
Expenditures:			
410 General Government:			
411 Legislative	10,778.85		10,778.85
413 Elections	172.44		172.44
414 Financial Administration	30,398.03		30,398.03
419 Other	28,034.51		28,034.51
Total General Government	69,383.83	0.00	69,383.83
420 Public Safety:			
421 Police	48,468.00		48,468.00
422 Fire	29,396.72		29,396.72
Total Public Safety	77,864.72	0.00	77,864.72
430 Public Works:			
431 Highways and Streets	79,956.39		79,956.39
432 Sanitation	55,243.67		55,243.67
Total Public Works	135,200.06	0.00	135,200.06
440 Health and Welfare:			
441 Health	1,045.09		1,045.09
Total Health and Welfare	1,045.09	0.00	1,045.09
450 Culture and Recreation:			
451 Recreation	26,827.29		26,827.29
452 Parks	33,119.32		33,119.32
Total Culture and Recreation	59,946.61	0.00	59,946.61
460 Conservation and Development:			
465 Economic Development and Assistance (Industrial Development)	5,000.00		5,000.00
Total Conservation and Development	5,000.00	0.00	5,000.00
Total Expenditures	348,440.31	0.00	348,440.31
Net Change in Fund Balance	86,394.20	12,863.85	99,258.05
Fund Balance - Beginning	378,215.95	57,717.10	435,933.05
FUND BALANCE- ENDING	464,610.15	70,580.95	535,191.10

MUNICIPALITY OF CANISTOTA
STATEMENT OF NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
ASSETS:			
Current Assets:			
Cash and Cash Equivalents	235,634.41	162,877.75	398,512.16
Total Current Assets	235,634.41	162,877.75	398,512.16
TOTAL ASSETS	235,634.41	162,877.75	398,512.16
NET POSITION:			
253.90 Unrestricted	235,634.41	162,877.75	398,512.16
TOTAL NET POSITION	235,634.41	162,877.75	398,512.16

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
For the Year Ended December 31, 2014

	Enterprise Funds		
	Water Fund	Sewer Fund	Totals
Operating Revenue:			
Revenue Dedicated to Servicing Debt	164,708.60	108,861.25	273,569.85
Total Operating Revenue	164,708.60	108,861.25	273,569.85
Operating Expenses:			
410 Personal Services	19,099.90	19,001.01	38,100.91
420 Other Current Expense	14,821.02	16,813.79	31,634.81
426.2 Materials	56,714.75		56,714.75
Total Operating Expenses	90,635.67	35,814.80	126,450.47
Operating Income (Loss)	74,072.93	73,046.45	147,119.38
Nonoperating Revenue (Expense):			
441 Debt Service (Principal)	(26,100.06)	(31,833.52)	(57,933.58)
442 Interest Expense (Enter as Negative)	(6,506.45)	(20,768.38)	(27,274.83)
391.20 Long-Term Debt Issued	25,680.00	7,062.00	32,742.00
Total Nonoperating Revenue (Expense)	(6,926.51)	(45,539.90)	(52,466.41)
Income (Loss) Before Contributions, Special Items, Extraordinary Items and Transfers	67,146.42	27,506.55	94,652.97
391.07 Capital Contributions	23,766.00	9,309.00	33,075.00
Change in Net Position	90,912.42	36,815.55	127,727.97
Net Position - Beginning	144,721.99	126,062.20	270,784.19
NET POSITION - ENDING	235,634.41	162,877.75	398,512.16

Appendix G

2015 Financial Statements

MUNICIPALITY OF CANISTOTA
STATEMENT OF NET POSITION - MODIFIED CASH BASIS
December 31, 2015

	Primary Government			
	Governmental Activities	Business-Type Activities	Total	Component Units
ASSETS:				
Cash and Cash Equivalents	396,711.80	318,643.80	715,355.60	
Investments	214,666.69		214,666.69	
Restricted Assets:				
Cash and cash equivalents			0.00	
Investments			0.00	
TOTAL ASSETS	611,378.49	318,643.80	930,022.29	0.00
NET POSITION:				
Restricted for: (See Note ___)				
Capital Projects Purposes			0.00	
Debt Service Purposes			0.00	
Permanently Restricted Purposes				
Expendable			0.00	
Non-Expendable			0.00	
Other Purposes	49,666.95		49,666.95	
Unrestricted (Deficit)	561,711.54	318,643.80	880,355.34	
TOTAL NET POSITION	611,378.49	318,643.80	930,022.29	0.00

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF CANISTOTA
STATEMENT OF ACTIVITIES - MODIFIED CASH BASIS
For the Year Ended December 31, 2015

Functions/Programs	Expenses	Program Revenues: Charges for Services	Program Revenues: Operating Grants and Contributions	Program Revenues: Capital Grants and Contributions	Net (Expense) Revenue and Changes in Net Position: Primary Government: Governmental Activities	Primary Government: Business-Type Activities	Primary Government: Total	Component Units
Primary Government:								
Governmental Activities:								
General Government	90,217.25	9,229.00			(80,988.25)		(80,988.25)	
Public Safety	98,766.12				(98,766.12)		(98,766.12)	
Public Works	189,181.03	55,615.85	33,668.83	31,316.97	(68,579.38)		(68,579.38)	
Health and Welfare	2,643.49				(2,643.49)		(2,643.49)	
Culture and Recreation	58,640.01	5,923.00			(52,717.01)		(52,717.01)	
Conservation and Development	8,750.00				(8,750.00)		(8,750.00)	
Intergovernmental					0.00		0.00	
Miscellaneous					0.00		0.00	
*Capital Outlay - Unallocated					0.00		0.00	
**Interest on Long-Term Debt					0.00		0.00	
Total Governmental Activities	448,197.90	70,767.85	33,668.83	31,316.97	(312,444.25)		(312,444.25)	
Business-type Activities:								
Water	1,984,879.55	184,701.34		832,478.12		(967,700.09)	(967,700.09)	
Sewer	1,965,341.05	127,313.40		1,282,601.38		(555,426.27)	(555,426.27)	
						0.00	0.00	
						0.00	0.00	
Total Business-Type Activities	3,950,220.60	312,014.74	0.00	2,115,079.50		(1,523,126.36)	(1,523,126.36)	
Total Primary Government	4,398,418.50	382,782.59	33,668.83	2,146,396.47	(312,444.25)	(1,523,126.36)	(1,835,570.61)	
Component Units:								
Housing and Redevelopment Commission								0.00

	Governmental Activities	Business-Type Activities	Total	Component Units
General Revenues:				
Taxes:				
Property Taxes	146,431.71		146,431.71	
Sales Taxes	223,275.31		223,275.31	
State Shared Revenues	4,689.29		4,689.29	
Grants and Contributions not Restricted to Specific Programs			0.00	
Unrestricted Investment Earnings	2,596.58		2,596.58	
Debt Issued		1,443,258.00	1,443,258.00	
Miscellaneous Revenue	11,638.75		11,638.75	
Special Items			0.00	
Extraordinary Items			0.00	
Transfers			0.00	
Total General Revenues, Special Items, Extraordinary Items and Transfers	388,631.64	1,443,258.00	1,831,889.64	0.00
Change in Net Position	76,187.39	(79,868.36)	(3,680.97)	0.00
Net Position-Beginning	535,191.10	398,512.16	933,703.26	
Adjustments:				
			0.00	
Adjusted Net Position-Beginning	535,191.10	398,512.16	933,703.26	
NET POSITION-ENDING	611,378.49	318,643.80	930,022.29	0.00

*This amount excludes the capital purchases that are included in the direct expenses of the various functions. See Note ____.

** The Municipality does not have interest expense related to the functions presented above. This amount includes indirect interest expense on general long-term debt.

The notes to the financial statements are an integral part of this statement.

MUNICIPALITY OF CANISTOTA
BALANCE SHEET - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
ASSETS:						
Cash and Cash Equivalents	347,044.85	49,666.95				396,711.80
106 Cash with Fiscal Agent	214,666.69					214,666.69
151 Investments						0.00
107.1 Restricted Cash and Cash Equivalents						0.00
107.2 Restricted Investments						0.00
TOTAL ASSETS	561,711.54	49,666.95	0.00	0.00	0.00	611,378.49
FUND BALANCES:						
263 Nonspendable						0.00
264 Restricted		49,666.95				49,666.95
265 Committed						0.00
266 Assigned						0.00
267 Unassigned	561,711.54					561,711.54
TOTAL FUND BALANCES	561,711.54	49,666.95	0.00	0.00	0.00	611,378.49

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
Revenues:						
310 Taxes:						
311 General Property Taxes	144,424.11					144,424.11
312 Airflight Property Tax						0.00
313 General Sales and Use Taxes	209,718.48	13,556.83				223,275.31
314 Gross Receipts Business Taxes						0.00
315 Amusement Taxes	24.00					24.00
317 Excise Tax						0.00
318 Tax Deed Revenue						0.00
319 Penalties and Interest on Delinquent Taxes	1,983.60					1,983.60
Total Taxes	356,150.19	13,556.83	0.00	0.00	0.00	369,707.02
320 Licenses and Permits	664.00					664.00
330 Intergovernmental Revenue:						
331 Federal Grants	16,154.00					16,154.00
332 Federal Shared Revenue						0.00
333 Federal Payments in Lieu of Taxes						0.00
334 State Grants						0.00
335 State Shared Revenue:						
335.01 Bank Franchise Tax	610.07					610.07
335.02 Prorate License Fees						0.00
335.03 Liquor Tax Reversion	4,079.22					4,079.22
335.04 Motor Vehicle Licenses (5%)	8,807.18					8,807.18
335.06 Fire Insurance Premiums Reversion						0.00
335.08 Local Government Highway and Bridge Fund	21,362.42					21,362.42
335.09 911 Remittances						0.00
335.20 Other						0.00
336 State Payments in Lieu of Taxes						0.00

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
338 County Shared Revenue:						
338.01 County Road Tax (25%)	1,019.22					1,019.22
338.02 County Highway and Bridge Reserve Tax (25%)						0.00
338.03 County Wheel Tax	2,480.01					2,480.01
338.99 Other						0.00
339 Other Intergovernmental Revenues						0.00
Total Intergovernmental Revenue	54,512.12	0.00	0.00	0.00	0.00	54,512.12
340 Charges for Goods and Services:						
341 General Government						0.00
342 Public Safety						0.00
343 Highways and Streets						0.00
344 Sanitation	55,615.85					55,615.85
345 Health						0.00
346 Culture and Recreation	5,923.00					5,923.00
347 Ambulance						0.00
348 Cemetery						0.00
349 Other						0.00
Total Charges for Goods and Services	61,538.85	0.00	0.00	0.00	0.00	61,538.85
350 Fines and Forfeits:						
351 Court Fines and Costs						0.00
352 Animal Control Fines						0.00
353 Parking Meter Fines						0.00
354 Library						0.00
359 Other						0.00
Total Fines and Forfeits	0.00	0.00	0.00	0.00	0.00	0.00

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
360 Miscellaneous Revenue:						
361 Investment Earnings	2,596.58					2,596.58
362 Rentals	8,565.00					8,565.00
363 Special Assessments	15,162.97					15,162.97
364 Maintenance Assessments						0.00
367 Contributions and Donations from Private Sources						0.00
368 Liquor Operating Agreement Income	2,250.00					2,250.00
369 Other	7,437.75					7,437.75
Total Miscellaneous Revenue	36,012.30	0.00	0.00	0.00	0.00	36,012.30
otal Revenue	508,877.46	13,556.83	0.00	0.00	0.00	522,434.29
xpenditures:						
410 General Government:						
411 Legislative	9,069.19					9,069.19
412 Executive						0.00
413 Elections	12.25					12.25
414 Financial Administration	23,776.88					23,776.88
419 Other	22,888.10	34,470.83				57,358.93
Total General Government	55,746.42	34,470.83	0.00	0.00	0.00	90,217.25
420 Public Safety:						
421 Police	69,590.00					69,590.00
422 Fire	29,176.12					29,176.12
423 Protective Inspection						0.00
429 Other Protection						0.00
Total Public Safety	98,766.12	0.00	0.00	0.00	0.00	98,766.12

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
430 Public Works:						
431 Highways and Streets	131,095.49					131,095.49
432 Sanitation	58,085.54					58,085.54
433 Water						0.00
434 Electricity						0.00
435 Airport						0.00
436 Parking Facilities						0.00
437 Cemeteries						0.00
438 Natural Gas						0.00
439 Transit						0.00
Total Public Works	189,181.03	0.00	0.00	0.00	0.00	189,181.03
440 Health and Welfare:						
441 Health	2,643.49					2,643.49
442 Home Health						0.00
443 Mental Health Centers						0.00
444 Humane Society						0.00
445 Drug Education						0.00
446 Ambulance						0.00
447 Hospitals, Nursing Homes and Rest Homes						0.00
449 Other						0.00
Total Health and Welfare	2,643.49	0.00	0.00	0.00	0.00	2,643.49
450 Culture and Recreation:						
451 Recreation	42,019.09					42,019.09
452 Parks	16,620.92					16,620.92
455 Libraries						0.00
456 Auditorium						0.00
457 Historical Preservation						0.00
458 Museums						0.00
Total Culture and Recreation	58,640.01	0.00	0.00	0.00	0.00	58,640.01

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
460 Conservation and Development:						
463 Urban Redevelopment and Housing						0.00
465 Economic Development and Assistance (Industrial Development)	8,750.00					8,750.00
466 Economic Opportunity						0.00
Total Conservation and Development	8,750.00	0.00	0.00	0.00	0.00	8,750.00
470 Debt Service						0.00
480 Intergovernmental Expenditures						0.00
485 Capital Outlay						0.00
490 Miscellaneous:						
491 Judgments and Losses						0.00
492 Other Expenditures						0.00
493 Liquor Operating Agreements						0.00
Total Miscellaneous	0.00	0.00	0.00	0.00	0.00	0.00
otal Expenditures	413,727.07	34,470.83	0.00	0.00	0.00	448,197.90
xcess of Revenues Over (Under) Expenditures	95,150.39	(20,914.00)	0.00	0.00	0.00	74,236.39

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES - MODIFIED CASH BASIS
GOVERNMENTAL FUNDS
For the Year Ended December 31, 2015

	General Fund	Third Penny Fund	Fund	Fund	Other Governmental Funds	Total Governmental Funds
ther Financing Sources (Uses):						
391.01 Transfers In						0.00
511 Transfers Out						0.00
513 Payments to Refunded Debt Escrow Agent						0.00
391.03 Sale of Municipal Property	1,951.00					1,951.00
391.04 Compensation for Loss or Damage to Capital Assets						0.00
391.20 Long-Term Debt Issued						0.00
otal Other Financing Sources (Uses)	1,951.00	0.00	0.00	0.00	0.00	1,951.00
391.06 (514) Special Items						0.00
391.05 (515) Extraordinary Items						0.00
et Change in Fund Balance	97,101.39	(20,914.00)	0.00	0.00	0.00	76,187.39
und Balance - Beginning	464,610.15	70,580.95				535,191.10
djustments:						
						0.00
						0.00
djusted Fund Balance - Beginning	464,610.15	70,580.95	0.00	0.00	0.00	535,191.10
UND BALANCE- ENDING	561,711.54	49,666.95	0.00	0.00	0.00	611,378.49

MUNICIPALITY OF CANISTOTA
STATEMENT OF NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
December 31, 2015

	Enterprise Funds					
	Water Fund	Sewer Fund	Fund	Fund	Totals	Internal Service Funds
ASSETS:						
Current Assets:						
Cash and Cash Equivalents	318,643.80				318,643.80	
106 Cash with Fiscal Agent					0.00	
131 Due From Sewer Fund	18,610.52				18,610.52	
Total Current Assets	337,254.32	0.00	0.00	0.00	337,254.32	0.00
Noncurrent Assets:						
107.1 Restricted Cash and Cash Equivalents					0.00	
107.2 Restricted Investments					0.00	
Total Noncurrent Assets	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL ASSETS	337,254.32	0.00	0.00	0.00	337,254.32	0.00
LIABILITIES:						
Current Liabilities:						
208 Due to Water Fund		18,610.52			18,610.52	
Total Current Liabilities	0.00	18,610.52	0.00	0.00	18,610.52	0.00
TOTAL LIABILIITES	0.00	18,610.52	0.00	0.00	18,610.52	0.00
NET POSITION:						
253.20 Restricted for:						
253.21 Revenue Bond Debt Service					0.00	
253.22 Revenue Bond Retirement					0.00	
253.23 Revenue Bond Contingency					0.00	
253.24 Special Assessment Bond Guarantee					0.00	
253.25 Special Assessment Bond Sinking					0.00	
253.26 Equipment Repair and/or Replacement					0.00	
253.27 Landfill Closure and Post Closure Costs					0.00	
253.28 Permanently Restricted Purposes					0.00	
253.29 Other purposes					0.00	
253.90 Unrestricted	337,254.32	(18,610.52)			318,643.80	
TOTAL NET POSITION	337,254.32	(18,610.52)	0.00	0.00	318,643.80	0.00

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
For the Year Ended December 31, 2015

	Enterprise Funds					
	Water Fund	Sewer Fund	Fund	Fund	Totals	Internal Service Funds
Operating Revenue:						
370/380 Charges for Goods and Services	156,273.06	104,611.33			260,884.39	
Revenue Dedicated to Servicing Debt	28,428.28	22,702.07			51,130.35	
380.05 Lottery Sales					0.00	
369 Miscellaneous					0.00	
Total Operating Revenue	184,701.34	127,313.40	0.00	0.00	312,014.74	0.00
Operating Expenses:						
410 Personal Services	22,141.93	22,325.98			44,467.91	
420 Other Current Expense	48,105.02	19,689.66			67,794.68	
426.2 Materials	59,672.60				59,672.60	
430 Capital Assets	1,235,267.48	1,870,749.61			3,106,017.09	
Total Operating Expenses	1,365,187.03	1,912,765.25	0.00	0.00	3,277,952.28	0.00
Operating Income (Loss)	(1,180,485.69)	(1,785,451.85)	0.00	0.00	(2,965,937.54)	0.00
Nonoperating Revenue (Expense):						
330 Operating Grants					0.00	
361 Investment Earnings					0.00	
362 Rental Revenue					0.00	
441 Debt Service (Principal)	(607,654.71)	(27,365.60)			(635,020.31)	
442 Interest Expense (Enter as Negative)	(12,037.81)	(25,210.20)			(37,248.01)	
391.03 Sale of Municipal Property					0.00	
391.20 Long-Term Debt Issued	1,069,320.00	373,938.00			1,443,258.00	
(429)369.01 Other					0.00	
Total Nonoperating Revenue (Expense)	449,627.48	321,362.20	0.00	0.00	770,989.68	0.00

MUNICIPALITY OF CANISTOTA
STATEMENT OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION - MODIFIED CASH BASIS
PROPRIETARY FUNDS
For the Year Ended December 31, 2015

	Enterprise Funds					
	Water Fund	Sewer Fund	Fund	Fund	Totals	Internal Service Funds
Income (Loss) Before Contributions, Special Items, Extraordinary Items and Transfers	(730,858.21)	(1,464,089.65)	0.00	0.00	(2,194,947.86)	0.00
391.07 Capital Contributions	832,478.12	1,282,601.38			2,115,079.50	
391.1 Transfers In					0.00	
511 Transfers Out (Enter as Negative)					0.00	
391.06 (514) Special Items					0.00	
391.05 (515) Extraordinary Items					0.00	
Change in Net Position	101,619.91	(181,488.27)	0.00	0.00	(79,868.36)	0.00
Net Position - Beginning	235,634.41	162,877.75			398,512.16	
Adjustments:						
					0.00	
					0.00	
Adjusted Net Position - Beginning	235,634.41	162,877.75	0.00	0.00	398,512.16	0.00
NET POSITION - ENDING	337,254.32	(18,610.52)	0.00	0.00	318,643.80	0.00

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
GENERAL FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
Revenues:				
310 Taxes:				
311 General Property Taxes	144,000.00	144,000.00	144,424.11	424.11
312 Airflight Property Tax				0.00
313 General Sales and Use Taxes	147,000.00	147,000.00	209,718.48	62,718.48
314 Gross Receipts Business Taxes				0.00
315 Amusement Taxes	100.00	100.00	24.00	(76.00)
317 Excise Tax				0.00
318 Tax Deed Revenue				0.00
319 Penalties and Interest on Delinquent Taxes	700.00	700.00	1,983.60	1,283.60
Total Taxes	291,800.00	291,800.00	356,150.19	64,350.19
320 Licenses and Permits	1,000.00	1,000.00	664.00	(336.00)
330 Intergovernmental Revenue:				
331 Federal Grants	0.00	0.00	16,154.00	16,154.00
332 Federal Shared Revenue				0.00
333 Federal Payments in Lieu of Taxes				0.00
334 State Grants				0.00
335 State Shared Revenue:				
335.01 Bank Franchise Tax	700.00	700.00	610.07	(89.93)
335.02 Prorate License Fees				0.00
335.03 Liquor Tax Reversion	3,900.00	3,900.00	4,079.22	179.22
335.04 Motor Vehicle Licenses (5%)	4,200.00	4,200.00	8,807.18	4,607.18
335.06 Fire Insurance Premiums Reversion				0.00
335.08 Local Government Highway and Bridge Fund	13,000.00	13,000.00	21,362.42	8,362.42
335.09 911 Remittances				0.00
335.20 Other				0.00
336 State Payments in Lieu of Taxes				0.00
338 County Shared Revenue:				
338.01 County Road Tax (25%)	1,000.00	1,000.00	1,019.22	19.22
338.02 County Highway and Bridge Reserve Tax (25%)				0.00
338.03 County Wheel Tax	1,300.00	1,300.00	2,480.01	1,180.01
338.99 Other				0.00
339 Other Intergovernmental Revenues				0.00
Total Intergovernmental Revenue	24,100.00	24,100.00	54,512.12	30,412.12

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
GENERAL FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
340 Charges for Goods and Services:				
341 General Government				0.00
342 Public Safety				0.00
343 Highways and Streets				0.00
344 Sanitation	52,500.00	52,500.00	55,615.85	3,115.85
345 Health				0.00
346 Culture and Recreation	5,000.00	5,000.00	5,923.00	923.00
347 Ambulance				0.00
348 Cemetery				0.00
349 Other				0.00
Total Charges for Goods and Services	57,500.00	57,500.00	61,538.85	4,038.85
350 Fines and Forfeits:				
351 Court Fines and Costs				0.00
352 Animal Control Fines				0.00
353 Parking Meter Fines				0.00
354 Library				0.00
359 Other				0.00
Total Fines and Forfeits	0.00	0.00	0.00	0.00
360 Miscellaneous Revenue:				
361 Investment Earnings	1,750.00	1,750.00	2,596.58	846.58
362 Rentals	1,000.00	1,000.00	8,565.00	7,565.00
363 Special Assessments	14,000.00	14,000.00	15,162.97	1,162.97
364 Maintenance Assessments				0.00
367 Contributions and Donations from Private Sources				0.00
368 Liquor Operating Agreement Income	1,500.00	1,500.00	2,250.00	750.00
369 Other	2,000.00	2,000.00	7,437.75	5,437.75
Total Miscellaneous Revenue	20,250.00	20,250.00	36,012.30	15,762.30
Total Revenue	394,650.00	394,650.00	508,877.46	114,227.46
Expenditures:				
410 General Government:				
411 Legislative	7,700.00	8,902.00	9,069.19	(167.19)
411.5 Contingency	10,000.00	10,000.00		
Amount Transferred (Enter as Negative)		(10,000.00)		0.00
412 Executive				0.00
413 Elections	300.00	300.00	12.25	287.75
414 Financial Administration	22,922.00	25,822.00	23,776.88	2,045.12
419 Other	39,900.00	39,900.00	22,888.10	17,011.90
Total General Government	80,822.00	74,924.00	55,746.42	19,177.58

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
GENERAL FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
420 Public Safety:				
421 Police	48,860.00	69,590.00	69,590.00	0.00
422 Fire	32,000.00	32,000.00	29,176.12	2,823.88
423 Protective Inspection				0.00
429 Other Protection				0.00
Total Public Safety	80,860.00	101,590.00	98,766.12	2,823.88
430 Public Works:				
431 Highways and Streets	105,300.00	132,800.00	131,095.49	1,704.51
432 Sanitation	55,000.00	58,406.00	58,085.54	320.46
433 Water				0.00
434 Electricity				0.00
435 Airport				0.00
436 Parking Facilities				0.00
437 Cemeteries				0.00
438 Natural Gas				0.00
439 Transit				0.00
Total Public Works	160,300.00	191,206.00	189,181.03	2,024.97
440 Health and Welfare:				
441 Health	1,200.00	2,750.00	2,643.49	106.51
442 Home Health				0.00
443 Mental Health Centers				0.00
444 Humane Society				0.00
445 Drug Education				0.00
446 Ambulance				0.00
447 Hospitals, Nursing Homes and Rest Homes				0.00
449 Other				0.00
Total Health and Welfare	1,200.00	2,750.00	2,643.49	106.51
450 Culture and Recreation:				
451 Recreation	46,363.00	46,363.00	42,019.09	4,343.91
452 Parks	26,355.00	33,752.00	16,620.92	17,131.08
455 Libraries				0.00
456 Auditorium				0.00
457 Historical Preservation				0.00
458 Museums				0.00
Total Culture and Recreation	72,718.00	80,115.00	58,640.01	21,474.99
460 Conservation and Development:				
463 Urban Redevelopment and Housing				0.00
465 Economic Development and Assistance (Industrial Development)	8,750.00	8,750.00	8,750.00	0.00
466 Economic Opportunity				0.00
Total Conservation and Development	8,750.00	8,750.00	8,750.00	0.00

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
GENERAL FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
470 Debt Service				0.00
480 Intergovernmental Expenditures				0.00
490 Miscellaneous:				
491 Judgments and Losses				0.00
492 Other Expenditures				0.00
493 Liquor Operating Agreements				0.00
Total Miscellaneous	0.00	0.00	0.00	0.00
Total Expenditures	404,650.00	459,335.00	413,727.07	45,607.93
Excess of Revenues Over (Under) Expenditures	(10,000.00)	(64,685.00)	95,150.39	159,835.39
Other Financing Sources (Uses):				
391.01 Transfers In				0.00
511 Transfers Out (Enter as Negative)				0.00
513 Payments to Refunded Debt Escrow Agent (Enter as Negative)				0.00
391.03 Sale of Municipal Property	0.00	0.00	1,951.00	1,951.00
391.04 Compensation for Loss or Damage to Capital Assets				0.00
391.20 General Long-Term Debt Issued				0.00
Total Other Financing Sources (Uses)	0.00	0.00	1,951.00	1,951.00
391.06 (514) Special Items				0.00
391.05 (515) Extraordinary Items				0.00
Net Change in Fund Balances	(10,000.00)	(64,685.00)	97,101.39	161,786.39
Fund Balance - Beginning	464,610.15	464,610.15	464,610.15	0.00
Adjustments:				
Adjusted Fund Balance - Beginning	464,610.15	464,610.15	464,610.15	0.00
FUND BALANCE - ENDING	454,610.15	399,925.15	561,711.54	161,786.39

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
THIRD PENNY FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
Revenues:				
310 Taxes:				
311 General Property Taxes				0.00
312 Airflight Property Tax				0.00
313 General Sales and Use Taxes	10,000.00	10,000.00	13,556.83	3,556.83
314 Gross Receipts Business Taxes				0.00
315 Amusement Taxes				0.00
317 Excise Tax				0.00
318 Tax Deed Revenue				0.00
319 Penalties and Interest on Delinquent Taxes				0.00
Total Taxes	10,000.00	10,000.00	13,556.83	3,556.83
320 Licenses and Permits				0.00
330 Intergovernmental Revenue:				
331 Federal Grants				0.00
332 Federal Shared Revenue				0.00
333 Federal Payments in Lieu of Taxes				0.00
334 State Grants				0.00
335 State Shared Revenue:				
335.01 Bank Franchise Tax				0.00
335.02 Prorate License Fees				0.00
335.03 Liquor Tax Reversion				0.00
335.04 Motor Vehicle Licenses (5%)				0.00
335.06 Fire Insurance Premiums Reversion				0.00
335.08 Local Government Highway and Bridge Fund				0.00
335.09 911 Remittances				0.00
335.20 Other				0.00
336 State Payments in Lieu of Taxes				0.00
338 County Shared Revenue:				
338.01 County Road Tax (25%)				0.00
338.02 County Highway and Bridge Reserve Tax (25%)				0.00
338.03 County Wheel Tax				0.00
338.99 Other				0.00
339 Other Intergovernmental Revenues				0.00
Total Intergovernmental Revenue	0.00	0.00	0.00	0.00

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
THIRD PENNY FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
340 Charges for Goods and Services:				
341 General Government				0.00
342 Public Safety				0.00
343 Highways and Streets				0.00
344 Sanitation				0.00
345 Health				0.00
346 Culture and Recreation				0.00
347 Ambulance				0.00
348 Cemetery				0.00
349 Other				0.00
Total Charges for Goods and Services	0.00	0.00	0.00	0.00
350 Fines and Forfeits:				
351 Court Fines and Costs				0.00
352 Animal Control Fines				0.00
353 Parking Meter Fines				0.00
354 Library				0.00
359 Other				0.00
Total Fines and Forfeits	0.00	0.00	0.00	0.00
360 Miscellaneous Revenue:				
361 Investment Earnings				0.00
362 Rentals				0.00
363 Special Assessments				0.00
364 Maintenance Assessments				0.00
367 Contributions and Donations from Private Sources				0.00
368 Liquor Operating Agreement Income				0.00
369 Other				0.00
Total Miscellaneous Revenue	0.00	0.00	0.00	0.00
Total Revenue	10,000.00	10,000.00	13,556.83	3,556.83
Expenditures:				
410 General Government:				
411 Legislative				0.00
411.5 Contingency				
Amount Transferred (Enter as Negative)				0.00
412 Executive				0.00
413 Elections				0.00
414 Financial Administration				0.00
419 Other	0.00	24,171.00	34,470.83	(10,299.83)
Total General Government	0.00	24,171.00	34,470.83	(10,299.83)

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
THIRD PENNY FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
420 Public Safety:				0.00
421 Police				0.00
422 Fire				0.00
423 Protective Inspection				0.00
429 Other Protection				0.00
Total Public Safety	0.00	0.00	0.00	0.00
430 Public Works:				
431 Highways and Streets				0.00
432 Sanitation				0.00
433 Water				0.00
434 Electricity				0.00
435 Airport				0.00
436 Parking Facilities				0.00
437 Cemeteries				0.00
438 Natural Gas				0.00
439 Transit				0.00
Total Public Works	0.00	0.00	0.00	0.00
440 Health and Welfare:				
441 Health				0.00
442 Home Health				0.00
443 Mental Health Centers				0.00
444 Humane Society				0.00
445 Drug Education				0.00
446 Ambulance				0.00
447 Hospitals, Nursing Homes and Rest Homes				0.00
449 Other				0.00
Total Health and Welfare	0.00	0.00	0.00	0.00
450 Culture and Recreation:				
451 Recreation				0.00
452 Parks				0.00
455 Libraries				0.00
456 Auditorium				0.00
457 Historical Preservation				0.00
458 Museums				0.00
Total Culture and Recreation	0.00	0.00	0.00	0.00
460 Conservation and Development:				
463 Urban Redevelopment and Housing				0.00
465 Economic Development and Assistance (Industrial Development)				0.00
466 Economic Opportunity				0.00
Total Conservation and Development	0.00	0.00	0.00	0.00

MUNICIPALITY OF CANISTOTA
BUDGETARY COMPARISON SCHEDULE - BUDGETARY BASIS
THIRD PENNY FUND
For the Year Ended December 31, 2015

	Budgeted Amounts		Actual Amounts	Variance with Final Budget
	Original	Final	(Budgetary Basis)	Positive (Negative)
470 Debt Service				0.00
480 Intergovernmental Expenditures				0.00
490 Miscellaneous:				
491 Judgments and Losses				0.00
492 Other Expenditures				0.00
493 Liquor Operating Agreements				0.00
Total Miscellaneous	0.00	0.00	0.00	0.00
Total Expenditures	0.00	24,171.00	34,470.83	(10,299.83)
Excess of Revenues Over (Under) Expenditures	10,000.00	(14,171.00)	(20,914.00)	(6,743.00)
Other Financing Sources (Uses):				
391.01 Transfers In				0.00
511 Transfers Out (Enter as Negative)				0.00
513 Payments to Refunded Debt Escrow Agent (Enter as Negative)				0.00
391.03 Sale of Municipal Property				0.00
391.04 Compensation for Loss or Damage to Capital Assets				0.00
391.20 General Long-Term Debt Issued				0.00
Total Other Financing Sources (Uses)	0.00	0.00	0.00	0.00
391.06 (514) Special Items				0.00
391.05 (515) Extraordinary Items				0.00
Net Change in Fund Balances	10,000.00	(14,171.00)	(20,914.00)	(6,743.00)
Fund Balance - Beginning	70,580.95	70,580.95	70,580.95	0.00
Adjustments:				
Adjusted Fund Balance - Beginning	70,580.95	70,580.95	70,580.95	0.00
FUND BALANCE - ENDING	80,580.95	56,409.95	49,666.95	(6,743.00)

MUNICIPALITY OF CANISTOTA
SCHEDULE OF CHANGES IN LONG-TERM DEBT
For the Year Ended December 31, 2015

Indebtedness	Long-Term Debt 1-Jan-15	Add New Debt	Less Debt Retired	Long-Term Debt 31-Dec-15
Governmental Long-Term Debt:				
231.01 General Obligation Bonds				
231.02 Revenue Bonds				
231.03 Special Assessment Bonds				
236 Advance from Other Funds				
237 Other Long-Term Liabilities				
238 Net OPEB Obligation				
Enterprise Long-Term Debt: (only cash basis entities need to complete the enterprise section)				
231.01 General Obligation Bonds				
231.02 Revenue Bonds	946,625.81	1,443,258.00	635,020.31	1,754,863.50
231.03 Special Assessment Bonds				
235 Accrued Landfill Closure and Postclosure Care Costs				
236 Advance from Other Funds				
237 Other Long-Term Liabilities				
238 Net OPEB Obligation				
Total	946,625.81	1,443,258.00	635,020.31	1,754,863.50

ANNUAL REPORT FOR CITY OF CANISTOTA
AS OF AND FOR THE YEAR ENDED DECEMBER 31, 2015

GOVERNMENTAL FUNDS--MODIFIED CASH BASIS

	General Fund	Third Penny Fund	Total Governmental Funds
Beginning Balance	464,610.15	70,580.95	535,191.10
Revenues and Other Sources:			
Taxes:			
Property Taxes	144,424.11		144,424.11
General Sales and Use Taxes	209,718.48	13,556.83	223,275.31
Amusement Taxes	24.00		24.00
Penalties and Interest on Delinquent Taxes	1,983.60		1,983.60
Licenses and Permits	664.00		664.00
Intergovernmental Revenues:			
Federal Grants	16,154.00		16,154.00
State Shared Revenue	34,858.89		34,858.89
County Shared Revenue	3,499.23		3,499.23
Charges for Goods and Services:			
Sanitation	55,615.85		55,615.85
Culture and Recreation	5,923.00		5,923.00
Miscellaneous Revenue and Other Sources:			
Investment Earnings	2,596.58		2,596.58
Rentals	8,565.00		8,565.00
Special Assessments	15,162.97		15,162.97
Liquor Operating Agreement Income	2,250.00		2,250.00
Other Revenues	7,437.75		7,437.75
Sale of Municipal Property	1,951.00		1,951.00
Total Revenue and Other Sources	510,828.46	13,556.83	524,385.29
Expenditures and Other Uses:			
Legislative	9,069.19		9,069.19
Elections	12.25		12.25
Financial Administration	23,776.88		23,776.88
Other General Government	22,888.10	34,470.83	57,358.93
Police	69,590.00		69,590.00
Fire	29,176.12		29,176.12
Highways and Streets	131,095.49		131,095.49
Sanitation	58,085.54		58,085.54
Health	2,643.49		2,643.49
Recreation	42,019.09		42,019.09
Parks	16,620.92		16,620.92
Economic Development and Assistance (Industrial Development)	8,750.00		8,750.00
Total Expenditures and Other Uses	413,727.07	34,470.83	448,197.90
Increase/Decrease in Fund Balance	97,101.39	-20,914.00	76,187.39
Ending Balance:			
Restricted		49,666.95	49,666.95
Unassigned	561,711.54		561,711.54

PROPRIETARY FUNDS--MODIFIED CASH BASIS

	Water Fund	Sewer Fund
Beginning Balance	235,634.41	162,877.75
Revenues	184,701.34	127,313.40
Expenses	(1,984,879.55)	(1,965,341.05)
Long Term Debt Issued	1,069,320.00	373,938.00
Capital Contribution	832,478.12	1,282,601.38
Ending Balance:		
Unrestricted	337,254.32	(18,610.52)
Long-term Debt	766,826.34	988,037.16

The preceding financial data does not include fiduciary funds or component units. Information pertaining to those activities may be obtained by contacting the municipal finance officer at 296-3551.

Municipal funds are deposited as follows:

Depository	Amount
Security State Bank	$ 929,897.29

Appendix H

2016 Budget

Account	_Account Description	2014 Budget	2015 BUDGET	2016 BUDGET
WATER				
E 602-43300-41100	**SALARIES**	19,334.00	**$20,120.00**	
	Darin			**$12,700.00**
	Kathy			**$9,000.00**
	Full Time Maintenance Asisstant			**$7,485.00**
E 602-43300-41200	OASI	2,100.00	**$2,100.00**	**$2,865.00**
E 602-43300-41400	WORKMEN S COMP	700.00	**$800.00**	**$1,000.00**
E 602-43300-42100	INSURANCE	2,800.00	**$2,800.00**	**$4,750.00**
E 602-43300-42200	PROFESSIONAL	5,000.00	**$6,000.00**	**$6,000.00**
E 602-43300-42300	PUBLISHING	520.00	**$600.00**	**$750.00**
E 602-43300-42500	REPAIRS	10,000.00	**$12,000.00**	**$12,000.00**
E 602-43300-42520	TM WATER	62,000.00	**$63,000.00**	**$63,000.00**
E 602-43300-42600	SUPPLIES	3,500.00	**$3,500.00**	**$3,500.00**
E 602-43300-42700	TRAVEL	100.00	**$100.00**	**$100.00**
E 602-43300-42800	UTILITIES	3,500.00	**$3,600.00**	**$3,800.00**
E 602-43300-43500	ASH STREET	6,000.00	**$6,000.00**	**$6,000.00**
E 602-43300-43510	PHASE 2		**$503,000.00**	**$24,275.00**
E 602-43300-44100	LOADER PAY	0.00	**$0.00**	**$0.00**
E 602-43300-44900	RD LOAN PAY	12,500.00	**$12,500.00**	**$12,500.00**
E 602-43300-46000	RESERVE	7,000.00	**$7,000.00**	**$0.00**
	TOTALS:	**135,054.00**	**$643,120.00**	**$169,725.00**

Account	_Account Description	2014 Budget	2015 BUDGET	2016 BUDGET
WASTEWATER				
E 604-43250-41100	SALARIES	19,334.00	**$20,120.00**	
	Darin			**$12,700.00**
	Kathy			**$9,000.00**
	Full Time Maintenance Assistant			**$7,485.00**
E 604-43250-41200	OASI	2,050.00	**$2,100.00**	**$2,865.00**
E 604-43250-41400	WORKMEN S COMP	500.00	**$600.00**	**$700.00**
E 604-43250-42100	INSURANCE	2,800.00	**$2,800.00**	**$4,750.00**
E 604-43250-42200	PROFESSIONAL	5,200.00	**$6,000.00**	**$6,000.00**
E 604-43250-42300	PUBLISHING	650.00	**$650.00**	**$700.00**
E 604-43250-42500	REPAIRS	5,200.00	**$5,500.00**	**$5,500.00**
E 604-43250-42600	SUPPLIES	2,600.00	**$2,600.00**	**$2,600.00**
E 604-43250-42700	TRAVEL	100.00	**$100.00**	**$100.00**
E 604-43250-42800	UTILITIES	1,400.00	**$1,600.00**	**$2,000.00**
E 604-43250-43500	ASH STREET	21,000.00	**$21,000.00**	**$21,000.00**
E 604-43250-43510	PHASE 2		**$400,500.00**	**$19,925.00**
E 604-43250-44100	LOADER PAY	0.00	**$0.00**	**$0.00**
E 604-43250-44900	RD LOAN PAYMENT	12,500.00	**$12,500.00**	**$12,500.00**
E 604-43250-44910	JET SEWER LINES	5,500.00	**$6,000.00**	**$6,000.00**
E 604-43250-44920	INTERCEPTOR BOND	22,000.00	**$22,000.00**	**$22,000.00**
E 604-43250-46000	RESERVE	0.00	**$0.00**	**$0.00**
	TOTALS:	**100,834.00**	**$504,070.00**	**$135,825.00**
GEN FUND. GRAND TOTAL		**616,747.00**		**$550,006.00**

Account	_Account Description		2014 Budget	2015 BUDGET	2016 BUDGET
CITY COUNCIL	FUND 101 GENERAL FUND-				
E 101-41110-41100	**SALARIES**		4,600.00	**$4,600.00**	**$0.00**
		Mayor			**$1,432.00**
		Rich			**$792.00**
		Joel			**$792.00**
		Brad			**$792.00**
		Ward 2			**$792.00**
E 101-41110-41200	OASI		400.00	**$400.00**	**$400.00**
E 101-41110-41500	GROUP INSUR		0.00	**$0.00**	**$0.00**
E 101-41110-42200	**PROFESSIONAL**		2,200.00	**$2,200.00**	
		SECOG			**$2,500.00**
E 101-41110-42700	TRAVEL AND CO		500.00	**$500.00**	**$500.00**
		TOTALS:	**7,700.00**	**$7,700.00**	**$8,000.00**
CONTINGENCEY:					
E 101-41150-46000	RESERVE		**10,000.00**	**$10,000.00**	**$10,000.00**
ELECTIONS:					
E 101-41300-42200	PROFESSIONAL		**300.00**	**$300.00**	**$400.00**

FINANCE OFFICE				
E 101-41400-41100	**SALARIES**	8,160.00	**$8,620.00**	**$9,000.00**
	Kathy			
E 101-41400-41200	OASI	900.00	**$950.00**	**$950.00**
E 101-41400-41300	RETIREMENT	1,500.00	**$1,600.00**	**$1,700.00**
E 101-41400-41400	WORKMEN S CO	300.00	**$400.00**	**$500.00**
E 101-41400-42100	INSURANCE	1,200.00	**$1,200.00**	**$1,460.00**
E 101-41400-42200	**PROFESSIONAL**	10,350.00	**$2,050.00**	
	Schoenfish, 2016 Audit			**$10,000.00**
	SD Assoc. of Towns & Townships, Bond			**$2,100.00**
E 101-41400-42300	PUBLISHING	2,052.00	**$2,052.00**	**$2,500.00**
E 101-41400-42600	SUPPLIES	2,500.00	**$2,500.00**	**$2,500.00**
E 101-41400-42700	TRAVEL & CONF.	1,550.00	**$1,550.00**	**$1,550.00**
	TOTALS:	**28,512.00**	**$20,922.00**	**$32,260.00**

LEGAL				
E 101-41410-42200	PROFESSIONAL	2,000.00	**$2,000.00**	**$2,500.00**
	TOTALS:	**2,000.00**		

Account	**_Account Description**	**2014 Budget**	**2015 BUDGET**	**2015 BUDGET**
GOVERN BLDG.				
E 101-41920-42100	INSURANCE	12,000.00	**$14,800.00**	**$15,000.00**
E 101-41920-42500	REPAIRS	7,000.00	**$600.00**	**$1,000.00**
E 101-41920-42600	SUPPLIES	600.00	**$7,500.00**	**$7,500.00**
E 101-41920-42800	UTILITIES	7,000.00	**$7,000.00**	**$7,000.00**
TOTALS:		**26,600.00**	**$29,900.00**	**$30,500.00**
POLICE				
E 101-42100-41100	SALARIES S	**48,860.00**	**$48,860.00**	**$50,000.00**

FIRE					
E 101-42200-41400	WORKMEN S COMP		1,000.00	**$1,000.00**	**$1,200.00**
E 101-42200-42610	ANNUAL CONTRIBUTION		25,000.00	**$25,000.00**	**$25,000.00**
E 101-42200-42800	UTILITIES		5,000.00	**$6,000.00**	**$8,000.00**
E 101-42200-44100	LOADER PAYMENT		0.00	**$0.00**	**$0.00**
		TOTALS:	**31,000.00**	**$32,000.00**	**$34,200.00**
ANIMALS/MOSQ.					
E 101-42900-43430	ANIMALS		**1,050.00**	**$1,200.00**	**$1,500.00**

Account	_Account Description	2014 Budget	2015 BUDGET	2016 BUDGET
STREETS				
E 101-43100-41100	**SALARIES**	11,174.00	**$11,500.00**	
	Darin			**$12,700.00**
	Full Time Maintenance Assisstant			**$7,435.00**
E 101-43100-41200	OASI	1,240.00	**$1,300.00**	**$2,065.00**
E 101-43100-41300	RETIREMENT	2,000.00	**$2,500.00**	**$4,400.00**
E 101-43100-41400	WORKMEN S COMP	1,000.00	**$1,100.00**	**$1,500.00**
E 101-43100-42100	INSURANCE	1,600.00	**$1,600.00**	**$3,000.00**
E 101-43100-42200	PROFESSIONAL	5,000.00	**$5,000.00**	**$5,000.00**
E 101-43100-42300	PUBLISHING	315.00	**$500.00**	**$1,000.00**
E 101-43100-42500	REPAIRS	36,000.00	**$38,000.00**	**$39,800.00**
E 101-43100-42600	SUPPLIES	8,250.00	**$8,500.00**	**$8,500.00**
E 101-43100-42700	TRAVEL AND CONF	300.00	**$300.00**	**$300.00**
E 101-43100-42800	UTILITIES	17,000.00	**$18,000.00**	**$20,000.00**
E 101-43100-43300	IMPROVE OTHER THAN BUILDINGS	10,000.00	**$10,000.00**	**$10,000.00**
E 101-43100-44100	LOADER PAYMENT	0.00	**$0.00**	**$0.00**
E 101-43100-45100	EQUIPMENT REPLACEMENT	7,000.00	**$7,000.00**	**$7,000.00**
	MAIN STREET	0.00		**$40,000.00**
	TOTALS:	**100,879.00**	**$105,300.00**	**$162,700.00**
RUBBLE SITE				
E 101-43200-41100	**SALARIES**	1,231.00	**$1,720.00**	
	Eugene			**$1,900.00**
E 101-43200-41200	OASI	103.00	**$105.00**	**$291.00**
E 101-43200-41400	WORKMEN S COMP	55.00	**$75.00**	**$100.00**
E 101-43200-42300	PUBLISHING	200.00	**$300.00**	**$350.00**
E 101-43200-42600	SUPPLIES	750.00	**$800.00**	**$800.00**
	TOTALS:	**2,339.00**	**$3,000.00**	**$3,441.00**
SOLID WASTE				
E 101-43230-42200	PROFESSIONAL	**52,000.00**	**$52,000.00**	**$52,000.00**
PROMOTION				

E 101-43500-42200	**PROFESSIONAL**	**7,500.00**	**$10,000.00**	**$10,000.00**
	SEFP & Sport Days			

Account	_Account Description	2014 Budget	2015 BUDGET	2016 BUDGET
POOL				
E 101-45100-41100	**SALARIES AND WAGES**	16,000.00	**$16,000.00**	
	Manager			**$2,000.00**
	Lifeguards			**$10,000.00**
E 101-45100-41200	OASI	1,224.00	**$1,224.00**	**$1,225.00**
E 101-45100-41400	WORKMEN S COMPENSATION	20.00	**$20.00**	**$25.00**
E 101-45100-42300	PUBLISHING	350.00	**$500.00**	**$750.00**
E 101-45100-42500	REPAIRS	10,000.00	**$16,269.00**	**$94,000.00**
E 101-45100-42600	SUPPLIES	6,000.00	**$5,850.00**	**$5,850.00**
E 101-45100-42800	UTILITIES	4,500.00	**$4,500.00**	**$4,700.00**
E 101-45100-43500	ASH STREET	0.00	**$0.00**	**$0.00**
E 101-45100-44900	RD LOAN PAYMENT	0.00	**$0.00**	**$0.00**
E 101-45100-46000	RESERVE	2,000.00	**$2,000.00**	**$0.00**
	TOTALS:	**40,094.00**	**$46,363.00**	**$118,550.00**
PARKS				
E 101-45200-41100	**SALARIES**	1,550.00	**$1,600.00**	**$0.00**
	Don L.			
E 101-45200-41200	OASI	155.00	**$155.00**	**$155.00**
E 101-45200-41400	WORKMEN S COMP	270.00	**$300.00**	**$300.00**
E 101-45200-42300	PUBLISHING	150.00	**$200.00**	**$200.00**
E 101-45200-42500	REPAIRS	6,500.00	**$6,500.00**	**$6,500.00**
E 101-45200-42600	SUPPLIES	2,100.00	**$2,500.00**	**$2,500.00**
E 101-45200-42610	ANNUAL CONTRIB	5,000.00	**$5,000.00**	**$5,000.00**
E 101-45200-42800	UTILITIES	1,300.00	**$2,600.00**	**$4,300.00**
	TOTALS:	**17,025.00**	**$18,855.00**	**$18,955.00**
ECONOMIC DEVEL.				
E 101-46500-42610	ANNUAL CONTRIB	**5,000.00**	**$6,250.00**	**$5,000.00**

2ND PENNY TAX

E 212-43100-42620	MATERIALS	0.00	**$0.00**	**$0.00**
E 212-45100-44900	RD LOAN PAYMENT	0.00	**$0.00**	**$0.00**
E212--41920-46550	IMPROVEMENTS	0.00	**$10,000.00**	**$10,000.00**
	TOTALS:	**0.00**	**$10,000.00**	**$10,000.00**

Appendix I

Public Hearing Notice, Sign-in Sheets and Minutes

Affidavit of Publication

STATE OF SOUTH DAKOTA)
:SS
COUNTY OF McCOOK:)

The undersigned, being first duly sworn, on his oath says THE CANISTOTA CLIPPER is a weekly newspaper of genera circulation, printed and published in the City of Canistota, Mc Cook County, South Dakota, by MATTHEW ANDERSON, an has been such newspaper during the times hereinafter mentioned that is has bona fide circulation of more than 200 copies weekly that is has been published within said County of McCook in the English language and admitted to the United States mail unde the second class mailing privilege for more than one year nex prior to the publication of the notice hereinafter mentioned, an has been printed during such period and at the present time i part in an office maintained at the said place of publication: tha I, the undersigned, am either the publisher@ or an employee o the said publisher@ of said newspaper and have personal knowl- edge of all the facts stated in the affidavit: that the advertisemen headed

Canistota City - Public Hearing Notice

a printed copy of which is hereto attached, was printed and published in the said newspaper for one (1) successive weeks; that said notice was published in the issues of said paper on the dates as follows, to wit:

The first publication be made on 3-10-16

The second publication on _____

The third publication on _____

The fourth publication on _____

that 23.83 Being the full amount of the fee for publication of the annexed notice, insured solely to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof have been made with any other person whosoever, and that said newspaper is a legal newspaper under the law of the state of South Dakota.

Matt Anderson

Subscribed and sworn to before me this 14

day of March 2016

Donna M Diede

Notary Public, South Dakota

DONNA M. DIEDE NOTARY PUBLIC SEAL STATE OF SOUTH DAKOTA

My commission expires 2/10/2022

Notice Of Public Hearing City Of Canisto

Notice is hereby given that the City of Canistota will hold a Public Hearing on Monday, March 21st, 2016, regarding drinking water and clean water improvements in the City of Canistota. The purpose of the public hearing is to discuss the proposed project, the proposed financing, and the source of repayment for any loans. The public is invited to attend and comment on the project.

The City expects to submit an application to the State of South Dakota for a Community Development Block Grant (CDBG) to make improvements to its drinking water and clean water distribution systems. The City expects to apply for approximately $396,550.00 of CDBG funds to be used for the proposed project, which will cost approximately $1,763,600.00.

The City is seeking up to $378,000 of funding from the Board of Water and Natural Resources for sewer distribution improvements and $96,000 in drinking water distribution improvements. The funds could be either a grant from the state Consolidated Water Facilities Construction Program or a loan from the State Revolving Funds (SRF) Program. The expected Drinking and Clean Water SRF loan t are 3.25 percent for 30 years, the Board of Water and Natural sources may forgive all or a po of the loan principal.

Public comments will als taken during this public hearin the City of Canistota's commu development and housing need

This public hearing will be at the following time, date an cation:

8:00 P.M.

March 21st, 2016

Canistota City Hall (228 M Street, Canistota, SD)

In compliance with the Am cans with Disabilities Act (ADA you need special assistance to ticipate in this hearing, please c tact the Canistota Finance Office (605) 296-3551. Anyone wh deaf, hard-of-hearing or speech- abled may utilize Relay So Dakota at (800) 877-11 (TTY/Voice). Notification 48 h prior to the hearing will enable City to make reasonable arran ments to ensure accessibility to hearing.

Kathy Townsend

Canistota Finance Officer

Published once at the total proximate cost of $23.83

3-10-16

City of Canistota

Public Hearing For CDBG, CW-SRF, & DW-SRF Applications
Canistota Main Street Water and Sewer Improvements
8:00 PM, Monday, March 21st, 2016
Canistota City Hall (228 Main Street, Canistota, SD)

Please sign in:

NAME	ADDRESS / REPRESENTING
Leslie Mastroianni	SECOG
Gabe Laber	DGR 2909 E 57th St Sioux Falls SD 57104
Brad Miller	council
Rich Becker	council
Joel Weidenbach	council
Rhanna Dell	council
Kathy Hounsend	F. C.
Devin Nugteren	Maintenance Supervisor

Affidavit of Publication

STATE OF SOUTH DAKOTA)
:SS
COUNTY OF McCOOK:)

The undersigned, being first duly sworn, on his oath says: THE CANISTOTA CLIPPER is a weekly newspaper of general circulation, printed and published in the City of Canistota, McCook County, South Dakota, by MATTHEW ANDERSON, and has been such newspaper during the times hereinafter mentioned: that is has bona fide circulation of more than 200 copies weekly; that is has been published within said County of McCook in the English language and admitted to the United States mail under the second class mailing privilege for more than one year next prior to the publication of the notice hereinafter mentioned, and has been printed during such period and at the present time in part in an office maintained at the said place of publication: that I, the undersigned, am either the publisher@ or an employee of the said publisher@ of said newspaper and have personal knowledge of all the facts stated in the affidavit: that the advertisement headed

City Council Public Hearing 3-21

a printed copy of which is hereto attached, was printed and published in the said newspaper for one (1) successive weeks; that said notice was published in the issues of said paper on the dates as follows, to wit:

The first publication be made on 3-31-16

The second publication on _____

The third publication on _____

The fourth publication on _____

that 23.54 Being the full amount of the fee for publication of the annexed notice, insured solely to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof have been made with any other person whosoever, and that said newspaper is a legal newspaper under the law of the state of South Dakota.

Matt Anderson

Subscribed and sworn to before me this 31

day of March 2016

Donna M Diede
Notary Public, South Dakota

DONNA M. DIEDE NOTARY PUBLIC SEAL STATE OF SOUTH DAKOTA

My commission expires 2/10/2022

Canistota City Council Proceedings Public Hearing

The Canistota City Council met on Monday, March 21st at 8pm to conduct a Public Hearing regarding drinking water and clean water improvements with Main Street in the City of Canistota. The following Council members were present, Joel Weidenbach, Rich Becker, Brad Miller, Rihannon Delle, Mayor Kom was absent. Also present, Maintenance Supervisor Darin Nugteren, Finance Officer, Kathy Townsend, Gabe Laber, DGR Representative and Leslie Mastroianni, SECOG Representative.

Council President Weidenbach called the meeting to order at 8:02pm.

Laber and Mastroianni visited with the Council about various scenarios for funding Main Street Improvements. The City will be applying for Grants from the Governor's Office of Economic Development, Community Development and Block Grants, and Grants from SRF, the State's Revolving Loan Fund. The deadline for these applications is April 1st, 2016 and the City will be informed about awards for grants and/or loans sometime in June. The City will not receive 100% grant funding for the Main Street project so a combination of loans and grants will be needed to fund the project.

Resolution # 2016-03-03, Rich Becker was approved as Project Certifying Officer on a motion by Miller, seconded by Delle, all voted yes, the motion carried.

Resolution #2016-03.04, Applying for CDBG Funding was approved on a motion by Delle, seconded by Becker, all voted yes, the motion carried.

Resolution #2016-03.05, Applying for a CW-SRF Grant was approved on a motion by Becker, seconded by Delle, all voted yes, the motion carried.

Resolution #2016-03.06, Applying for a DW-SRF Grant was approved on a motion by Miller, seconded by Delle, all voted yes, the motion carried.

The Resolutions are printed elsewhere in this issue of the Canistota Clipper.

At 8:30pm a motion to adjourn was made by Becker, seconded by Delle, all voted yes, the motion carried.

The next regular meeting of the Canistota City Council will be held on Monday, April 4th, 2017 at 7pm in the Community Room of City Hall. All are welcome.

ATTEST:

Joel Weidenbach, Council President

Kathy J. Townsend, Finance Officer

Appendix J

Facilities Plan

Construction Cost Estimate for Main Street Improvements
Canistota, SD
Prepared by: DGR Engineering

Assumption: 69' Concrete St on Main St — February 19, 2016

Item	Description	Qty	Unit	Unit Cost	Total Cost	DOT Cost	Local Cost	SRF CW	SRF DW	SRF Non-Eligible
1	Mobilization	1	LS	$120,000.00	$120,000.00	$72,000.00	$48,000.00	$26,400.00	$7,200.00	$86,400.00
2	Clearing	1	LS	$1,000.00	$1,000.00	$600.00	$400.00	$220.00	$60.00	$720.00
3	Traffic Control	1	LS	$10,000.00	$10,000.00	$6,000.00	$4,000.00	$2,200.00	$600.00	$7,200.00
4	Temporary Access	1	LS	$3,000.00	$3,000.00	$1,800.00	$1,200.00	$0.00	$0.00	$3,000.00
5	Remove Asphalt Concrete Pavement	3,100	SY	$4.00	$12,400.00	$7,440.00	$4,960.00	$3,040.00	$0.00	$9,360.00
6	Remove Concrete Pavement	9,000	SY	$5.00	$45,000.00	$27,000.00	$18,000.00	$7,666.67	$2,533.33	$34,800.00
7	Remove Curb and Gutter	2,800	FT	$6.00	$16,800.00	$10,080.00	$6,720.00	$1,380.00	$300.00	$15,120.00
8	Remove Concrete Sidewalk	2,300	SY	$4.00	$9,200.00	$5,520.00	$3,680.00	$817.78	$177.78	$8,204.44
9	Remove and Reset Signs	15	EA	$100.00	$1,500.00	$900.00	$600.00	$0.00	$0.00	$1,500.00
10	Relocate Fire Hydrant	2	EA	$1,500.00	$3,000.00	$0.00	$3,000.00	$0.00	$3,000.00	$0.00
11	Remove Pipe Culvert	100	FT	$11.00	$1,100.00	$0.00	$1,100.00	$1,100.00	$0.00	$0.00
12	Saw Existing Surfacing	870	FT	$6.00	$5,220.00	$3,132.00	$2,088.00	$0.00	$0.00	$5,220.00
13	Contractor Furnished Topsoil	200	CY	$20.00	$4,000.00	$2,400.00	$1,600.00	$0.00	$0.00	$4,000.00
14	Unclassified Excavation	5,200	CY	$10.00	$52,000.00	$31,200.00	$20,800.00	$10,192.59	$2,251.85	$39,555.56
15	Scarify & Recompact Subgrade	11,100	CY	$1.00	$11,100.00	$6,660.00	$4,440.00	$2,293.33	$506.67	$8,300.00
16	6" HDPE		FT	$40.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
17	15" RCP	150	FT	$55.00	$8,250.00	$0.00	$8,250.00	$8,250.00	$0.00	$0.00
18	18" RCP	420	FT	$60.00	$25,200.00	$0.00	$25,200.00	$25,200.00	$0.00	$0.00
19	Class M6 Concrete	12	CY	$1,000.00	$12,000.00	$0.00	$12,000.00	$12,000.00	$0.00	$0.00
20	Reinforcing Steel	1,600	LBS	$2.00	$3,200.00	$0.00	$3,200.00	$3,200.00	$0.00	$0.00
21	Manhole Casting	4	EA	$400.00	$1,600.00	$0.00	$1,600.00	$1,600.00	$0.00	$0.00
22	Connect Sump Pump	2	EA	$750.00	$1,500.00	$0.00	$1,500.00	$1,500.00	$0.00	$0.00
23	Sanitary Sewer Service	1,150	FT	$28.00	$32,200.00	$0.00	$32,200.00	$32,200.00	$0.00	$0.00
24	Reconnect Sanitary Sewer Service	23	EA	$350.00	$8,050.00	$0.00	$8,050.00	$8,050.00	$0.00	$0.00
25	Water Service	380	FT	$30.00	$11,400.00	$0.00	$11,400.00	$0.00	$11,400.00	$0.00
26	Curb Stop & Box	5	EA	$450.00	$2,250.00	$0.00	$2,250.00	$0.00	$2,250.00	$0.00
27	Reconnect Water Service	5	EA	$350.00	$1,750.00	$0.00	$1,750.00	$0.00	$1,750.00	$0.00
28	Aggregate Base Course (12")	7,500	TN	$14.00	$105,000.00	$63,000.00	$42,000.00	$20,949.60	$4,628.40	$79,422.00
29	9" Nonreinforced Concrete Surfacing	7,200	SY	$45.00	$324,000.00	$194,400.00	$129,600.00	$69,000.00	$22,800.00	$232,200.00
30	Dowel Bars	5,370	EA	$10.00	$53,700.00	$32,220.00	$21,480.00	$0.00	$0.00	$53,700.00
31	Asphalt Concrete Composite	700	TN	$78.00	$54,600.00	$32,760.00	$21,840.00	$13,782.60	$0.00	$40,817.40
32	Valve Box & Manhole Adjustment	12	EA	$300.00	$3,600.00	$2,160.00	$1,440.00	$1,800.00	$1,800.00	$0.00
33	Concrete Curb & Gutter	2,800	FT	$15.00	$42,000.00	$25,200.00	$16,800.00	$3,450.00	$750.00	$37,800.00
34	Geotextile Fabric	11,100	SY	$2.50	$27,750.00	$16,650.00	$11,100.00	$3,833.33	$1,266.67	$22,650.00
35	Pavement Markings 6"	3,100	LF	$1.00	$3,100.00	$1,860.00	$1,240.00	$0.00	$0.00	$3,100.00
36	Pavement Markings 24"	1,720	LF	$5.00	$8,600.00	$5,160.00	$3,440.00	$0.00	$0.00	$8,600.00
37	6" Concrete Fillet Section	210	SY	$75.00	$15,750.00	$9,450.00	$6,300.00	$0.00	$0.00	$15,750.00
38	6" Concrete Valley Gutter	200	SY	$70.00	$14,000.00	$8,400.00	$5,600.00	$0.00	$0.00	$14,000.00
39	6" Concrete Approach	460	SY	$50.00	$23,000.00	$13,800.00	$9,200.00	$0.00	$0.00	$23,000.00
40	4" Concrete Sidewalk	23,800	SF	$5.50	$130,900.00	$78,540.00	$52,360.00	$10,120.00	$2,200.00	$118,580.00
41	6" Concrete Sidewalk	3,200	SF	$6.50	$20,800.00	$12,480.00	$8,320.00	$0.00	$0.00	$20,800.00
42	Detectable Warning Surface	248	SF	$60.00	$14,880.00	$8,928.00	$5,952.00	$0.00	$0.00	$14,880.00
43	Seed, Fertilize & Mulch	400	SY	$3.00	$1,200.00	$720.00	$480.00	$0.00	$0.00	$1,200.00
44	Erosion Control	1	LS	$5,000.00	$5,000.00	$3,000.00	$2,000.00	$1,100.00	$300.00	$3,600.00
45	Historic Lights	8	EA	$7,500.00	$60,000.00	$0.00	$60,000.00	$0.00	$0.00	$60,000.00
46	Planting Soil		CY	$28.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
47	Cedar Mulch		SY	$11.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
48	Plants & Trees		LS	$10,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
49	Add for Stamped & Colored Concrete		SF	$5.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
50	Add for Colored Concrete		SF	$2.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
51	Planter Curb		LF	$35.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
52	Seat Wall		EA	$3,500.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
53	Trash Receptacle		EA	$1,500.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
54	Bike Rack		EA	$1,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
55	Bench		EA	$2,100.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
56	Irrigation System		LS	$20,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
				Subtotal:	$1,310,600.00	$683,460.00	$627,140.00	$271,345.90	$65,774.70	$973,479.40
				Contingencies (13%):	$171,000.00	$102,600.00	$68,400.00	$37,620.00	$10,260.00	$123,120.00
				Total Construction Cost:	$1,481,600.00	$786,060.00	$695,540.00	$308,965.90	$76,034.70	$1,096,599.40
				Engineering:	$222,000.00		$222,000.00	$48,840.00	$13,320.00	$159,840.00
				Legal, Admin & Testing (4%)	$60,000.00	$36,000.00	$24,000.00	$13,200.00	$3,600.00	$43,200.00
				Total Project Cost:	**$1,763,600.00**	**$822,060.00**	**$941,540.00**	**$371,005.90**	**$92,954.70**	**$1,299,639.40**

Facilities Plan Checklist

Before submitting the application, please take a few moments to complete the following checklist. Addressing these items prior to submitting the application will expedite the review process.

Drinking Water Facilities Plan document can be found at http://denr.sd.gov/dfta/wwf/dwsrf/dwfunding.aspx

Checklist of SRF Facilities Plan Requirements

Have the following items been addressed?

- Submission of a Facilities Plan to the department that addresses those items found in the Water Facilities Plan document. [x]
- A public hearing held discussing the project and the use of an SRF loan to finance the project. [x]
- Minutes of the public hearing prepared and submitted to the department's engineer for inclusion into the final Facilities Plan. [x]
- The affidavit of publication of the public hearing received and submitted to the department's engineer for inclusion into the final Facilities Plan. [x]
- The four review agencies contacted and responses received for inclusion into the final Facilities Plan. [x]
- The Cultural Resources Effects Assessment Summary and supporting documentation, such as an archaeological survey or Historic Register database search. [x]

Appendix K

System for Award Management (SAM) Registration

LOGOUT

Entity Dashboard

Entity Overview

- Entity Record
  - Core Data
  - Assertions
  - Reps & Certs
  - POCs
- Reports
  - Service Contract Report
  - BioPreferred Report
- Exclusions
  - Active Exclusions
  - Inactive Exclusions
  - Excluded Family Members

RETURN TO SEARCH

CANISTOTA CITY OF
DUNS: 627913382 CAGE Code: 1KQ41
Status: Active

536 W ELM ST
CANISTOTA, SD 57012-0000
UNITED STATES

Expiration Date: 04/20/2016
Purpose of Registration: Federal Assistance Awards Only

Entity Overview

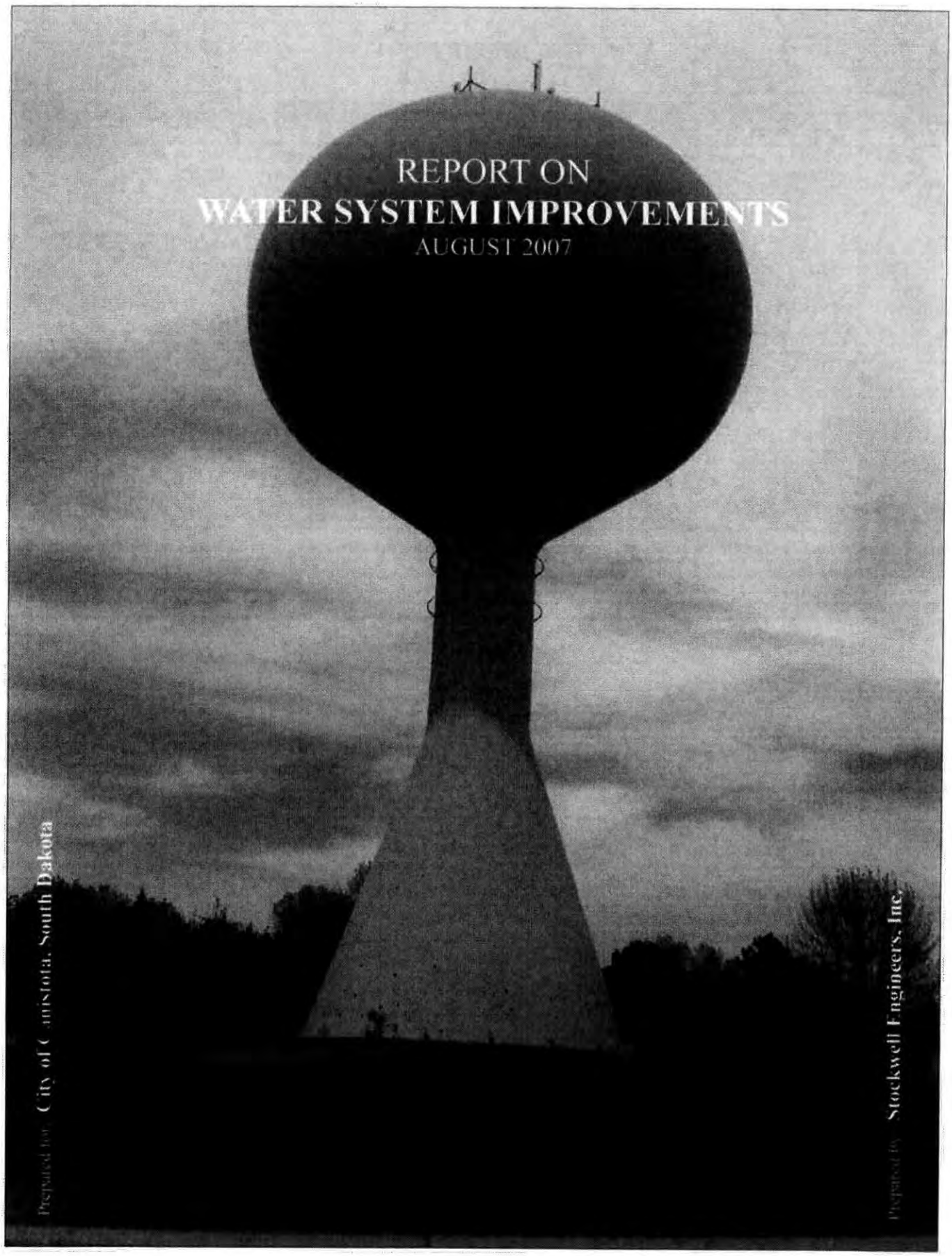
Entity Information

Name: CANISTOTA CITY OF
Business Type: US Local Government
POC Name: Kathy Townsend
Registration Status: Active
Activation Date: 04/21/2015
Expiration Date: 04/20/2016

Exclusions

Active Exclusion Records? No

Note to all Users: This is a Federal Government computer system. Use of this system constitutes consent to monitoring at all times.



REPORT ON
WATER SYSTEM IMPROVEMENTS

AUGUST 2007

Prepared for: City of Canistota, South Dakota

Prepared by: Stockwell Engineers, Inc.

REPORT
ON
WATER SYSTEM IMPROVEMENTS

AUGUST 2007

CITY OF CANISTOTA, SOUTH DAKOTA

I hereby certify that this report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of South Dakota.

Jon R. Brown, P.E.
Registration No. 6853

REGISTERED PROFESSIONAL ENGINEER
REG. NO. 6853
JON R. BROWN
SOUTH DAKOTA

August 2007

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2	Statement of Purpose	7
3	Existing Water System	8 - 10
4	Design Basis	11 - 16
5	Summary of Existing Water System Analysis	17 - 19
6	Proposed Water System Improvements	20 - 25

Appendix	Title
A	TM Rural Water District – Water Supply Contract
B	Elevated Tank Report – March 2006
C	Future Land Use Map
D	Existing Water System Improvements Proposed Projects
	Project Estimates
	Water User Rate Impacts

LIST OF TABLES AND EXHIBITS

Title	Following Page No.
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Table 2 – Projected Water Consumption	10
Design Fire Flow Requirement	16
Existing Fire Flow Potential	19
Proposed Improvements	25
Water System Master Plan	25
Future Use Plan	Appendix C
Existing Water System Improvements Proposed Projects	Appendix D
Project Estimates	Appendix D
Table 3 – Water User Rate Impacts	Appendix D

SUMMARY – CONCLUSIONS – RECOMMENDATIONS

Summary

The purpose of this study was to investigate present and future water system needs for the City of Canistota, South Dakota. The study included the analysis of the water distribution system, projection of water consumption, estimation of fire flow requirements and the determination of required water storage.

It has been determined that by the end of Year 2025, the average daily demand will be approximately 82,500 gallons. The maximum daily demand will be approximately 185,500 gallons or 2.25 times the average day. The required water supply rate will be nearly 130 gallons per minute.

This report outlines the improvements which should be undertaken to the existing water system including pipeline improvements and a new water storage tank. The report also provides a Master Plan for future water system expansion as the City continues to grow and prosper.

Conclusions

The following conclusions have been reached as a result of this study.

1. The current TM Rural Water District water supply rate of not to exceed 95 gallons per minute is currently adequate but will likely not be sufficient by Year 2010.

2. The existing system lacks the water storage necessary to offset peak daily demands while maintaining sufficient reserves for emergencies such as disruption of water supply, water loss due to water main breaks and fire.

3. Many existing water mains are old cast iron pipe which are severely corroded and which are encrusted on the interior reducing the effective interior diameter to far less than desirable.

4. The existing water main system is not capable of delivering necessary fire flows to all areas of the City.

5. The existing water system lacks the valves to adequately isolate sections of the system. The system also lacks fire hydrants to protect all areas of the City.

Recommendations

1. Replace all existing cast iron water mains with new Polyvinyl Chloride, PVC, water mains of the sizes proposed. Install water valves and hydrants to improve the operation of the system.

2. Proceed with the installation of a new 150,000 gallon elevated water tank. The high water elevation of the tank should be elevation 1660.

3. Construct all water system improvements proposed in this report in conjunction with sanitary sewer improvements in the same area of the City. This report proposes five projects which corresponds with five sanitary sewer projects identified in a separate report. Joint construction of the water and sewer projects can result in an estimated savings of over $660,000.00 in today's dollars.

4. Maintain the existing 50,000 gallon ground storage tank as supplemental storage. Make necessary improvements or arrangements to have the capability to pump from the ground storage either with high service pumps or as additional fire protection through the use of tanker trucks.

5. Negotiate with TM Rural Water District to increase the water supply rate. The rate should be increased soon to satisfy the current need. The negotiated increase should be adequate to meet the needs of the design period or the rate increased incrementally as the need dictates. The City should share the projected needs with the District to determine the best plan available for the 20 year design period.

6. Use the "Proposed Water System Master Plan" presented in this report as a guide for future water system expansion.

STATEMENT OF PURPOSE

The purpose of this study was to analyze the existing water system and to investigate the present and future overall needs of the water system for the City of Canistota, South Dakota, and to prepare a Master Plan for future water system expansion. This report on that study includes the following:

1. Analysis of the existing water distribution system and its ability to accommodate maximum day water usage and fire flow demand for the present day and anticipated growth period through Year 2025.

2. Preparation of a Master Plan to be used as a guide for water system sizing in future development areas.

3. Determination of the ideal method for improving water pressures and minimizing pressure losses during periods of maximum consumption.

4. Determination of water storage needs.

5. Review of the rural water system supply agreement and analysis of present and future water supply requirements.

EXISTING WATER SYSTEM

The City of Canistota is a rural community located approximately 30 miles west of Sioux Falls, South Dakota south of Interstate Highway No. 90. The McCook County community includes significant service facilities and businesses including Ortman Clinic and hotel, K-12 school, nursing home and various stores and shops. The City's residential population has grown in recent years particularly along the eastern edge of the community where the ground elevation is higher than the original town adding not just capacity but delivery system strain on its water system.

The existing water system described and illustrated in the following paragraphs and pages, was used for analysis. Although the distribution system is in a constant state of change due to aging and improvements, the general water needs has remained largely constant for many years.

Water Supply

TM Rural Water District:

The daily municipal water needs are provided by TM Rural Water District through direct connection to the City's water main system. The District supplies potable treated water to the City through a connection located at the southeast corner of the City at the intersection of East Avenue and Ash Street. The water is supplied on an "as needed" basis controlled by a solenoid controlled valve recently located at the point of delivery. The District has contracted with the City to provide the treated water at a not to exceed rate of 95 gallons per minute or 115,000 gallons per day. A copy of the existing water supply contract is included in Appendix A of this report.

Water Distribution

The City's water distribution system consists of 4" through 8" water mains. The original water mains were constructed in the 1920's of unlined cast iron pipes, many of which remain today. The old cast iron mains show signs of severe corrosion and encrustation. The encrustation has been found to restrict the effective area of a 4 inch main to that of a 2 inch main or less.

The existing water main system is deficient in the number of operable valves on older mains to properly and effectively isolate sections of the distribution system. The system also lacks fire hydrants at many locations. Many of the valves and hydrants are old and should be replaced.

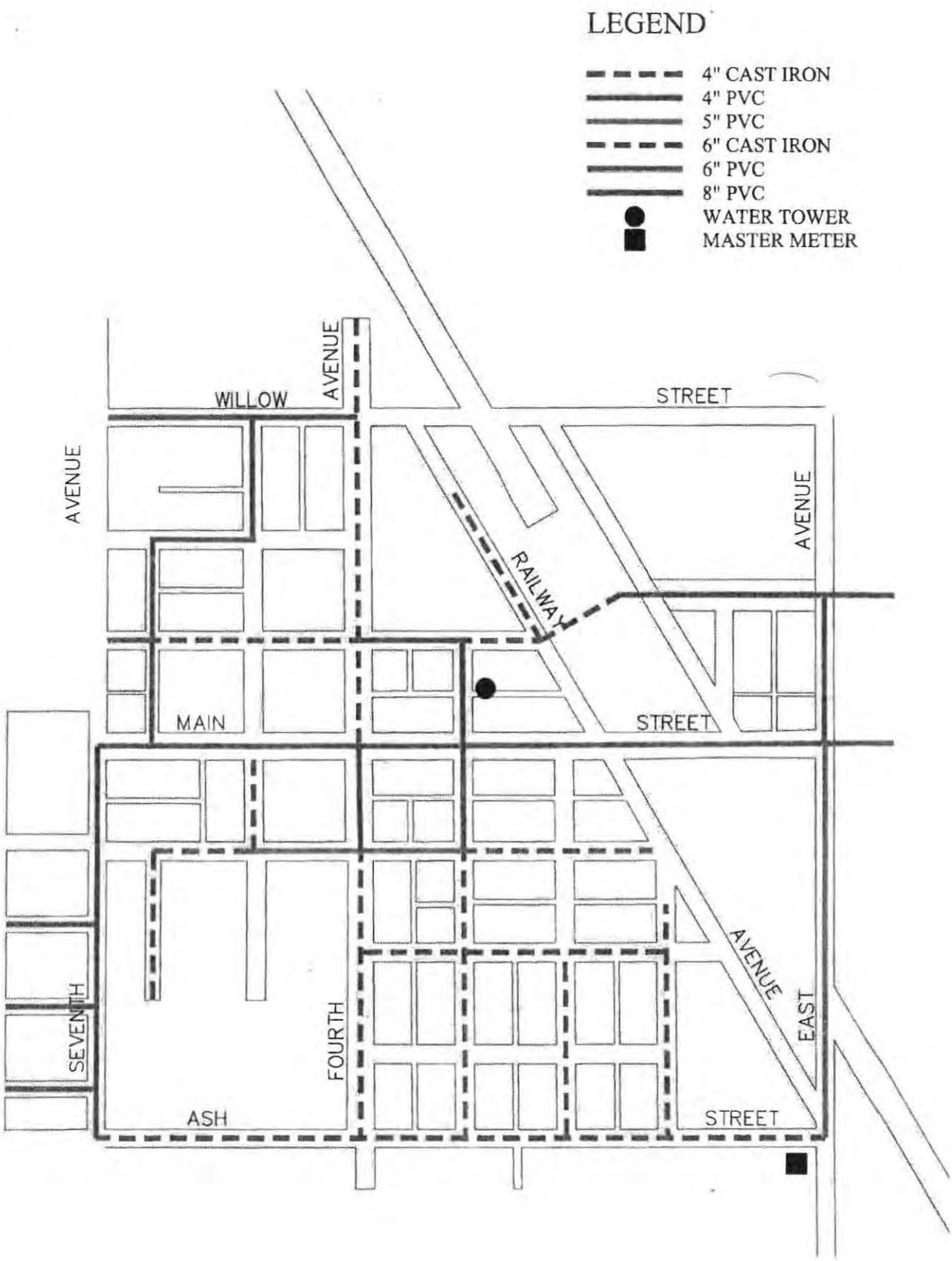
The City of Canistota has recognized the need to replace old mains with larger mains of non-corrosive material. The recent pipeline materials are Polyvinyl Chloride, PVC. Most of the replacement mains have been 8" in size resulting in considerable improvement to the efficiency of the water distribution system. The existing distribution system is illustrated on the following exhibit titled "Existing Water System".

Water Storage Facilities

The original 45,000 gallon elevated water storage tank, constructed over 80 years ago, is located near the center of the City and remains in service today. The overflow elevation of the tank is approximately 1648. Water is supplied to the tank by the water main system when ever the tank is below full and the City water consumption is less than the rural water systems ability to supply the water at the maximum rate of 95 gallons per minute.

A tank inspection was conducted in July 2005 and report prepared by H&H Contracting, Inc. in March 2006. The report outlines the necessary and desirable improvements to the tank to meet current OSHA and AWWA standards. The recommended improvements are significant. A copy of the report is included in the Appendix of this report.

A 50,000 gallon ground storage tank also exists. The water in this tank must be pumped to be at a useable pressure or pumped into a tank truck for fire fighting purposes.



EXISTING WATER SYSTEM

TABLE 1

HISTORIC WATER CONSUMPTION

YEAR	EST. POP.	ANNUAL METERED WATER (GAL.)	AVERAGE DAY (GAL.)	AVG. DAY CONSUMP. (GAL/CAP/DAY)	AVG. DAY 24 HR. RATE (GPM)
1995	630	18698000	51227	81	36
1996	630	21101000	57811	92	40
1997	632	21604000	59189	94	41
1998	639	21851000	59866	94	42
1999	646	21925000	60068	93	42
2000	653	24297000	66567	102	46
2001	660	23041667	63128	96	44
2002	667	21919000	60052	90	42
2003	674	19536000	53523	79	37
2004	681	18911000	51811	76	36
2005	689	19780000	54192	79	38

TABLE 2

PROJECTED WATER CONSUMPTION

YEAR	EST. POP.	ANNUAL METERED WATER (GAL.)	AVERAGE DAY (GAL.)	AVG. DAY CONSUMP. (GAL/CAP/DAY)	AVG. DAY 24 HR. RATE (GPM)	MAXIMUM DAY (GAL.)	MAX. DAY CONSUMP. (GAL/CAP/DAY)	MAX. DAY 24 HR. RATE (GPM)
1995	630	18698000	51227	81	36	115262	183	80
1996	630	21101000	57811	92	40	130075	206	90
1997	632	21604000	59189	94	41	133175	211	92
1998	639	21851000	59866	94	42	134698	211	94
1999	646	21925000	60068	93	42	135154	209	94
2000	653	24297000	66567	102	46	149776	229	104
2001	660	23041667	63128	96	44	142038	215	99
2002	667	21919000	60052	90	42	135117	203	94
2003	674	19536000	53523	79	37	120427	179	84
2004	681	18911000	51811	76	36	116575	171	81
2005	689	19780000	54192	79	38	121932	177	85
2006	696	20324024	55682	80	39	125285	180	87
2007	704	20748548	56845	81	39	127902	182	89
2008	711	21181939	58033	82	40	130574	184	91
2009	719	21624383	59245	82	41	133301	185	93
2010	727	22076069	60482	83	42	136085	187	95
2011	734	22537190	61746	84	43	138928	189	96
2012	742	23007942	63035	85	44	141830	191	98
2013	750	23488527	64352	86	45	144792	193	101
2014	758	23979151	65696	87	46	147817	195	103
2015	767	24480023	67069	87	47	150904	197	105
2016	775	24991356	68469	88	48	154056	199	107
2017	783	25513371	69900	89	49	157274	201	109
2018	792	26046289	71360	90	50	160559	203	111
2019	800	26590339	72850	91	51	163913	205	114
2020	809	27145752	74372	92	52	167337	207	116
2021	817	27712768	75925	93	53	170832	209	119
2022	826	28291626	77511	94	54	174400	211	121
2023	835	28882576	79130	95	55	178043	213	124
2024	844	29485870	80783	96	56	181762	215	126
2025	853	30101765	82471	97	57	185559	217	129

DESIGN BASIS

Design Period

Water system designs are commonly based on a design period of 20 years. A 20 year period provides a reasonable length of time for forecasting populations and corresponding water consumption, important factors in determining water system components. Although large unanticipated changes can and likely will take place, the resultant water distribution system is strengthened by construction of localized water mains through the development process so that adaptation of the system for unanticipated growth changes can generally be accommodated with ease.

Population

The City of Canistota Comprehensive Plan 1997 outlines historical population statistics and population projections. In an effort to not duplicate the time involved in making population projections and to leave the process of making population projects with those experienced with that process and familiar with the City of Canistota, the Comprehensive Plan projections were generally used for this water study as follows:

> Estimated population Year 2006 is 690. Of the four projection methods used in the Comprehensive Plan, the "Change in Portion of County" projection provides the only method which closely resembles the current estimated population. Consequently, this method is used for the population base of this study. The projected population for the design year of 2025 is therefore 844 persons.

The population projection was used in this study to estimate and project the water supply needs for the design period and to make comparison of those needs with the City water supply contract.

Land Use

The City of Canistota Comprehensive Plan 1997 also presents the Current and Future Land Uses as maps. The Future Land Use map provides for residential expansion of the City in all directions but particularly to the east, northwest and west. The commercial and industrial expansion is expected to occur as infill into the current zones of the City.

A replica of the Future Land Use map is contained in the Appendix of this report. The plan was used in this water study to forecast water distribution system expansion areas for preparation and analysis of a Master Plan pipeline system.

Water Consumption

The accuracy of water system analysis depends largely upon projections of water consumption for the design period. The water consumption projections are made utilizing past metered water records and estimated populations analyzed to determine consumption characteristics and trends. Trends are used to make projections. Data beginning in 1995 was used for purposes of this study.

Table 1 following this section of the report summarizes the historic water consumption statistics for the period from Year 1995 through Year 2005. Review of this data reveals:

1. The population increased slightly on an annual basis.

2. Water consumption increased significantly from 1995 to 1996, leveled off from 1996 through 1999, increased significantly from 1999 to 2000, then steadily dropped after 2000. Meanwhile, the per capita water consumption steadily increased through 2001 with a spike in 2000. After 2001, the per capita water consumption decreased significantly by 2005.

3. The average per capita water consumption rate of approximately 80 gallons per person per day experienced in Year 2005 is reasonable and expected in a rural community such as Canistota. The higher rates for years prior to 2003 were likely due to increases in unaccounted for water. Unaccounted for water includes all water which is not metered and billed and therefore not specifically monitored such as water used for fire fighting, street cleaning, park and other public property use and water system leaks. It also includes water inadvertently consumed but not metered due to meter problems and malfunctions. The amount of unaccounted water has likely been reducing due to water system and metering improvements.

The historic water consumption statistics was analyzed and used to project future water consumption for the design period. The assumptions used for the projections include:

Population will increase at an average rate of 1.08 percent per year per the Comprehensive Plan "Change in Portion of County" projection method.

Average per capita water consumption will increase from 80 to 97 gallons per person per day by Year 2025.

The ratio of maximum day consumption to average day consumption will be 2.25.

Table 2 following this section of the report outlines the projected water consumption through the design period.

Fire Protection/Demand

The item having the most profound effect on water system sizing is the volume and rate of water required to fight a significant fire. A city's water system must be designed to provide a reasonable estimate of fire flow at critical locations throughout the city. It must be assumed that this flow will be required during the day of maximum water need and consumption since the largest need generally corresponds with the warmest temperatures which also presents a period of heightened fire potential. The maximum rate of water demand, therefore, is the sum of the maximum day demand for consumption and the fire demand, both occurring simultaneously.

Several services and organizations have attempted to define the acceptable volume and rate of water needed to fight a specific fire. The widely accepted service company for this purpose is the Insurance Services Office, Inc. (ISO). ISO has published its calculated "Needed Fire Flow" (NFF) in a document titled Fire Suppression Rating Schedule wherein the NFF is calculated on a building based on its size, type of construction, occupancy, exposure and related factors.

It is necessary in the design of a municipal water system, to agree on reasonable fire flow rates which generally represent the overall need in an area of the city. Since a city has numerous types of development with varying sizes and types of buildings, it fits that a city should be capable of providing numerous fire flow demands depending on the location of the fire. Obviously, it is not possible, nor is it practical, for a municipality to be capable of providing the absolute maximum required fire flow for all buildings particularly when the characteristics of future buildings are unknown. The specific building owners are responsible for providing the additional protection, over and above that provided by the city, which they deem necessary.

For purposes of this study, based on the City of Canistota current and assumed development characteristics, the NFF by development type follows:

Residential (lower density)	1,000 gpm
Residential (higher density)	1,500 gpm
Commercial & Industrial	1,500 to 2,000 gpm

These districts and design flows are shown on the exhibit titled "Design Fire Flow Requirement" following this section of the report.

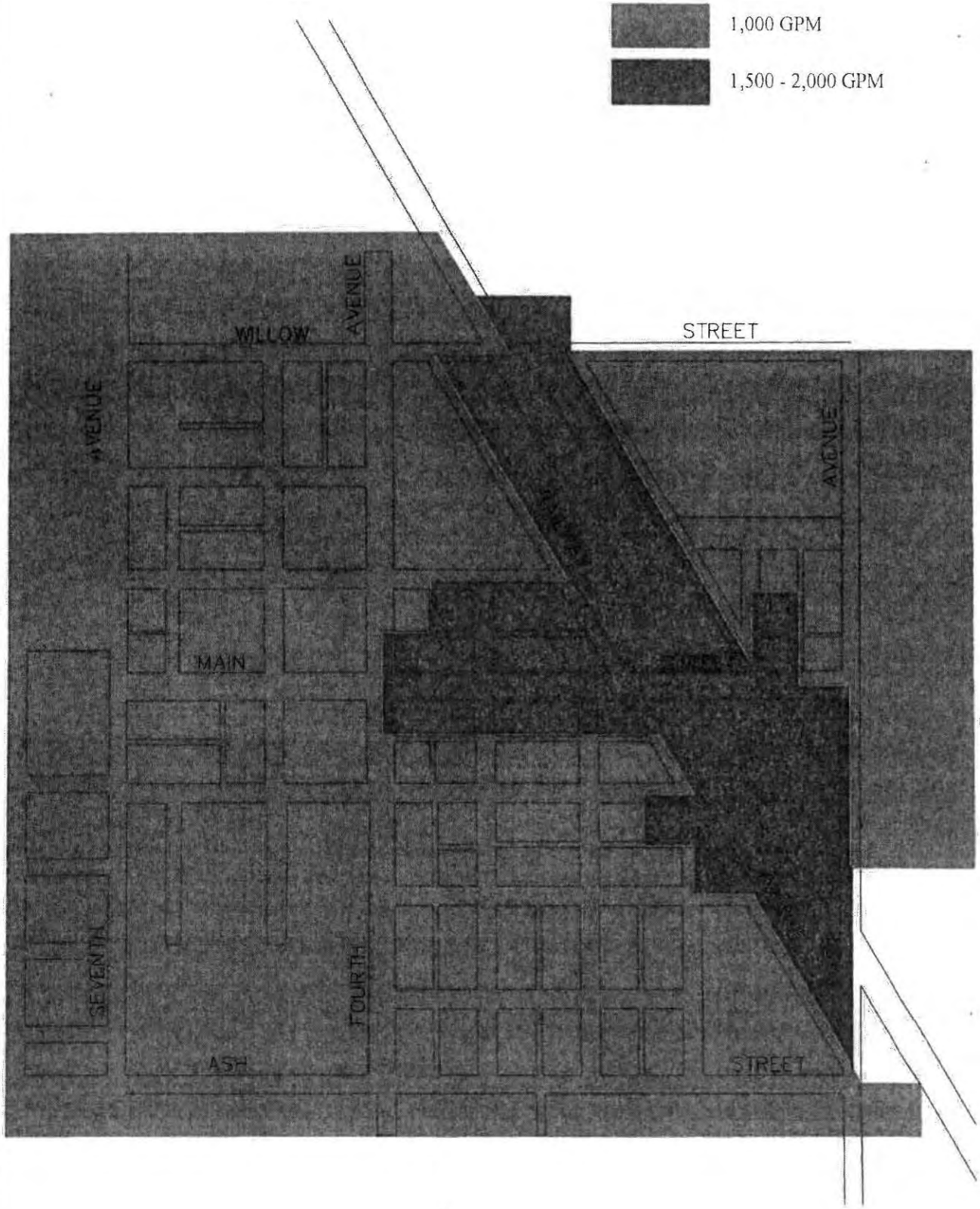
ISO also defines the duration water must be supplied to fight a fire. A city, ideally, should be capable of providing its largest design fire flow for the ISO defined duration, in this case 1.5 hours for a fire flow of 2,000 gallons per minute. The minimum water pressure at any point in the system shall be 20 pounds per square inch, preferably at the end of the fire duration when the water tanks are at their lowest water levels.

Design Procedure

A computerized model of the water system is developed. This model can be easily modified to try various pipeline combinations, supply points, tank locations and tank heights. Once the model is developed, flows can be incorporated to analyze theoretical conditions.

The water system is first analyzed under existing conditions utilizing existing maximum day consumption spread evenly throughout the system. The fire flow demand is added at specific locations and the resultant system pressures determined based on water tanks at their lowest levels. The pipeline pressure losses are reviewed, deficient pipelines replaced (beginning with older mains of undesirable material) and the system revised and reanalyzed until the ideal system is determined.

The existing pipeline system is then expanded to serve future growth areas. The expanded system is analyzed utilizing projected maximum day water consumption spread throughout the system plus fire flow demands added at specific locations. The review of computer analysis results and trial runs with system revisions, similar to the procedure used to analyze the existing system, continues until the ideal system is determined.



DESIGN FIRE FLOW REQUIREMENT

SUMMARY OF EXISTING SYSTEM ANALYSIS

Water Supply

The existing water supply rate of 95 gallons per minute from TM Rural Water District is at the verge of being inadequate. Review of the projected water consumption in Table 2 indicates that the required maximum day supply rate, based on a daily supply period of 24 hours, will exceed the supply contract rate of 95 gallons per minute by Year 2010. Providing a sufficient quantity of water should always be of utmost importance since the lack of supply deplenishes the stored water reserves for normal operation and emergency use. A sudden loss of water resulting in a depletion of stored water reserves or sudden disruption in water supply due to a water main break or similar occurrence could have serious and significant consequences.

Water Storage

Water must be stored in elevated tanks or ground storage tanks for normal operation to offset daily peak use periods when the water supply can not keep up and for emergencies such as power outages, water main breaks and fires. The quantity of storage must be the sum of the normal operational need for the normal peak use period during any 24 hour period plus the greater of:

Maximum design fire volume
Maximum day reserve volume for one day

The normal operational need is not easily measured and is not data normally available. It is assumed, however, that as much as 25,000 gallons should be in reserve, called "equalizing storage" assuming the water supply can easily and safely satisfy the overall maximum day demand. It can be safely assumed that the required equalizing storage will not change significantly over the design period as long as the

available water supply rate never falls short of the maximum day need.

The fire need is equal to the fire demand times its duration, in this case 2,000 gpm x 1.5 hrs. or 180,000 gallons. The fire demand should remain relatively constant assuming normal and expected development.

The minimum one day reserve for the current maximum demand day is 125,000 gallons. The projected minimum one day reserve for Year 2025, the end of the design period, is 185,000 gallons.

The reserves can be discounted, if desired, by any additional water supply which can be "turned on", if needed. No existing wells are assumed to be readily accessible as a supplemental supply for purposes of this study.

The existing storage total of 45,000 gallons elevated and 50,000 gallons ground, is far below the design need of 210,000 gallons (25,000 equalizing storage + 185,000 maximum day reserve).

Static pressure is the pressure established by the water in the elevated storage tank when full and no water is flowing in or out of the tank. The static pressure is, therefore, the pressure created by the difference in elevation between the water elevation in the tank and the elevation of the point in question. An ideal static pressure with a properly designed pipeline system should be in the range of 55 psi to 70 psi. Pressures in the range of 70 psi to 80 psi are considered somewhat high but are still within the accepted limit and do not generally require pressure controls. Pressures between 35 psi and 55 psi can be acceptable in many circumstances but often result in complaints particularly in multi-level homes and buildings. Static pressures below 35 psi should always be avoided.

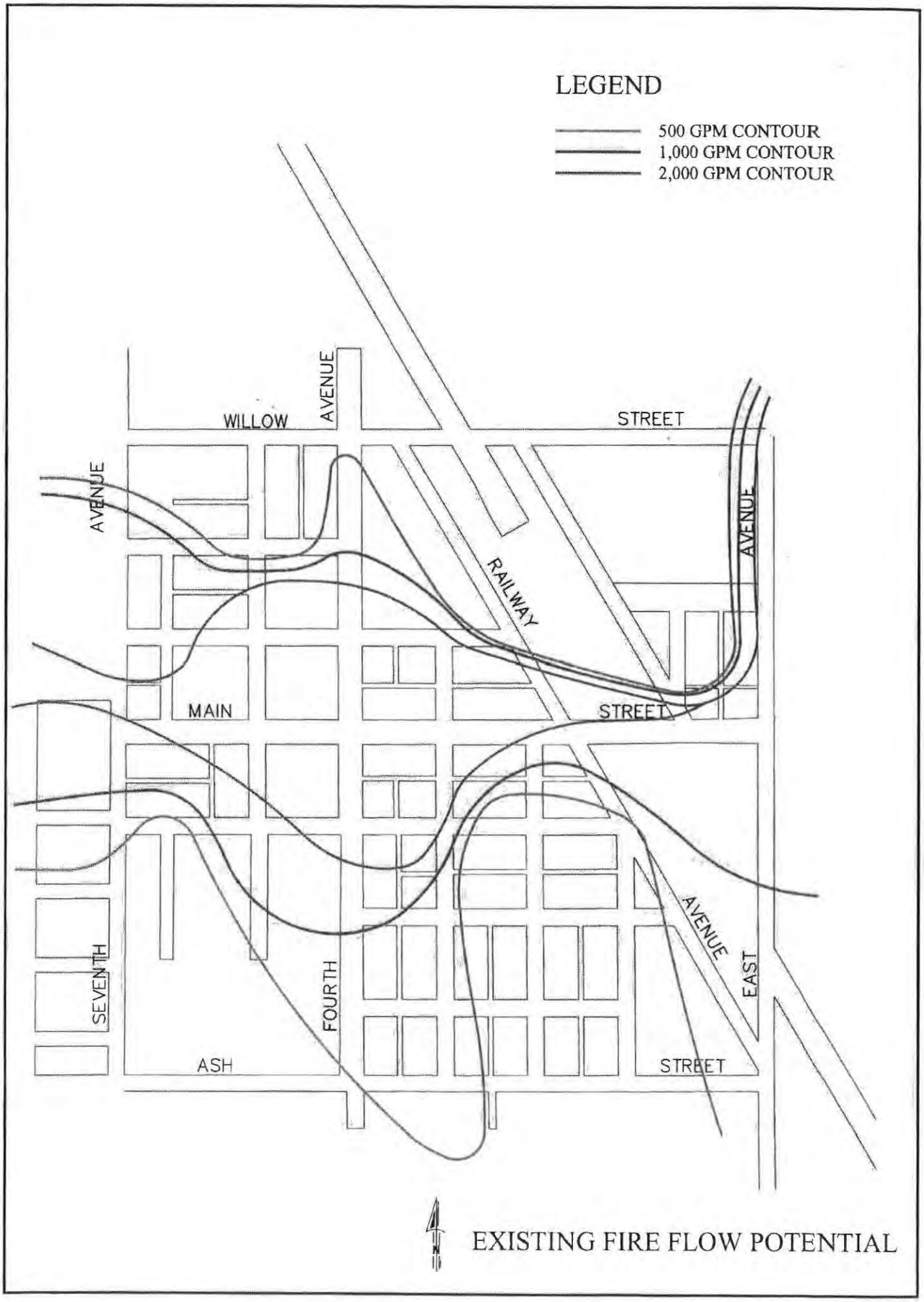
The static water pressures at various locations throughout the City are tabulated below. Generally the pressures are on the low side especially on the north and east sides of the city where the ground elevations are higher.

Location	Existing Static Pressure (psi)
Main Street and Third Avenue	42
Elm Street and East Avenue	39
Ash Street and First Avenue	43
Ash Street and Seventh Avenue	48
Main Street and Seventh Avenue	46
Willow Street and Fourth Avenue	42

Water Distribution

The existing water distribution system is reasonably strong with the newer additions since 1997. Many very old cast iron water mains remain, however, which are in very poor condition due to corrosion and encrustation. The encrustation is especially serious since the effective diameter of the pipelines is decreased significantly affecting both residual pressures and available flows. The corrosion and encrustation has resulted in numerous breaks in recent years.

Fire flows in the central portion of the City where the strength of the water main system is concentrated, are generally very good. The available fire flows in the perimeter areas of the City are not good since the perimeter areas are the locations where the water mains are generally old, small and unsupported by larger mains and looping. Pipelines, which are too small, restrict flow of water while loops of water mains improve flow of water by providing multiple routes to share the flow. The exhibit, "Existing Fire Flow Potential", following this section of the report shows existing fire flow contours. This exhibit clearly shows the reduced fire protection in the perimeter areas of the City.



EXISTING FIRE FLOW POTENTIAL

PROPOSED WATER SYSTEM IMPROVEMENTS

The proposed water system improvements must be presented in two parts including Proposed Improvements to the Existing System for current needs and Water System Master Plan to satisfy the design period needs. The best way to present these improvements is by illustration. The improvements proposed as a result of the study are shown on the exhibits following this section of the report titled:

Proposed Improvements
Water System Master Plan

A narrative of the proposed improvements to the existing system and the Master Plan follows.

Proposed Improvements to the Existing System

Water Supply:

The key to an adequate water supply rests with the City and its negotiations with TM Rural Water District. The City must assure a continued uninterrupted supply from the District as the City water needs increase. The increase in supply may involve improvements to the District system which may take significant time for implementation. The study forecasts that the current water supply rate of 95 gallons per minute may be insufficient by Year 2010. It's very possible that the need for additional supply may arise much earlier than 2010 since water consumption is affected by a number of factors including:

Type and extent of new development
Temperature and climate
Amount of rainfall
Increase in unaccounted for water

Water Storage:

New elevated water storage is proposed. A new 150,000 gallon elevated storage tank, in addition to the existing 50,000 gallon ground storage tank, is currently needed to maintain the volume of water needed for system operation with emergency reserves. The new tank must be constructed at a higher elevation to improve water pressures. The tanks high water elevation must be determined based on a number of factors:

1. The TM Rural Water District's ability to fill the tank at the agreed maximum flow rate contracted for by the City.

2. Avoid pressures in excess of 80 psi .

3. Balance tank elevation with pipeline sizes. The lower the tank elevation and corresponding pressures, the larger the pipeline sizes must be to deliver fire flows. The larger the pipelines, the more the distribution system costs to install and maintain.

4. Balance tank elevation with ground surface elevation. The higher the ground surface elevation, the shorter the tank needs to be. The shorter the tank, the less money that is required to construct the tank.

A high water elevation of 1660 would provide the minimum pressure needs for the City. The new tank can be located in the same vicinity as the existing tank provided sufficient property is available for the construction while maintaining the existing tank in service. Otherwise, the new tank ideally should be located somewhere in the north and east sections of the City where the ground surface elevations are higher. The tank must be located on a main water main loop of 8 inch size.

The existing ground storage tank provides 50,000 gallons of water for emergency use. To utilize the water, the City must be equipped to pump from the tank into the distribution system or into tanker trucks, which can then be pumped onto fires or into the distribution system. The water stored in the ground storage must be carefully monitored for acceptable chlorine residual if used in the distribution system.

The estimated cost to construct the new 150,000 gallon elevated storage tank, Project No. 2, is $817,020.66. A detailed cost estimate including all work related to construction of the tank is included in Appendix D of this report.

Distribution System:

Water main improvements include the replacement of all old cast iron pipelines and completion of loops. Also included is the addition of some water mains to strengthen the system. The minimum size water main should be 6 inch which should only be constructed where each end can be connected to a looped water main with a minimum diameter of 8 inches. The 6 inch water mains should not be used for long segments. The main water main loops shall be 8 inch diameter. This criterion complies with the Recommended Standards for Water Works of the Great Lakes Upper Mississippi River Board of State Public Health and Environmental Managers (Ten States Standards).

The replacement of existing water mains and the construction of new water mains identified as Existing Water System Improvements in this report, have been divided into projects which correspond with proposed sanitary sewer projects in the same area of the City. The estimated cost of water system improvements, Project Nos. 1,3,4 and 5 are:

Project No. 1	$ 435,730.69
Project No. 3	$ 316,308.94
Project No. 4	$ 541,993.56
Project No. 5	$ 595,568.04

Detailed cost estimates are included in Appendix D of this report.

A significant savings can be realized if the water main improvements are constructed in conjunction with proposed sanitary sewer improvements identified in a separate study. The savings results from reduced mobilization costs and the elimination of duplicated costs to remove and replace street surfaces. The estimated costs and savings for the water main portion of each project when constructed jointly with sanitary sewer are:

Project	Estimated Cost	Estimated Savings
1	$ 266,649.00	$ 169,081.69
3	$ 190,737.00	$ 125,571.94
4	$ 318,888.00	$ 223,105.56
5	$ 452,969.00	$ 142,599.04

Water System Master Plan

Water Supply:

The water supply rate available from TM Rural Water District must be continually monitored and increased to meet maximum day consumption. The City must negotiate uninterrupted increases in supply well in advance of the actual need.

Water Storage:

The proposed 150,000 gallon elevated storage tank together with the existing 50,000 gallon ground storage tank, should satisfy City storage needs for years to come. The existing 45,000 gallon tank could serve as backup, stored water in the event supply is lost for a prolonged period of time or if a very significant fire dictates the need for the extra water. Both scenarios are unlikely. Two problems using the tank in this way surface.

1. The water in the 45,000 gallon tank would have to be controlled with an altitude valve to avoid overfilling. The water in the tank would be unusable until the level in the new tank generally drops to the height of the water in the existing tank.

2. Water may become stagnant since there would be no movement or replacement of the water. The chlorine residual would be hard to maintain.

3. During the winter season, the water will freeze on the surface, along the walls of the tank and possibly in the supply and discharge lines due to the lack of water movement.

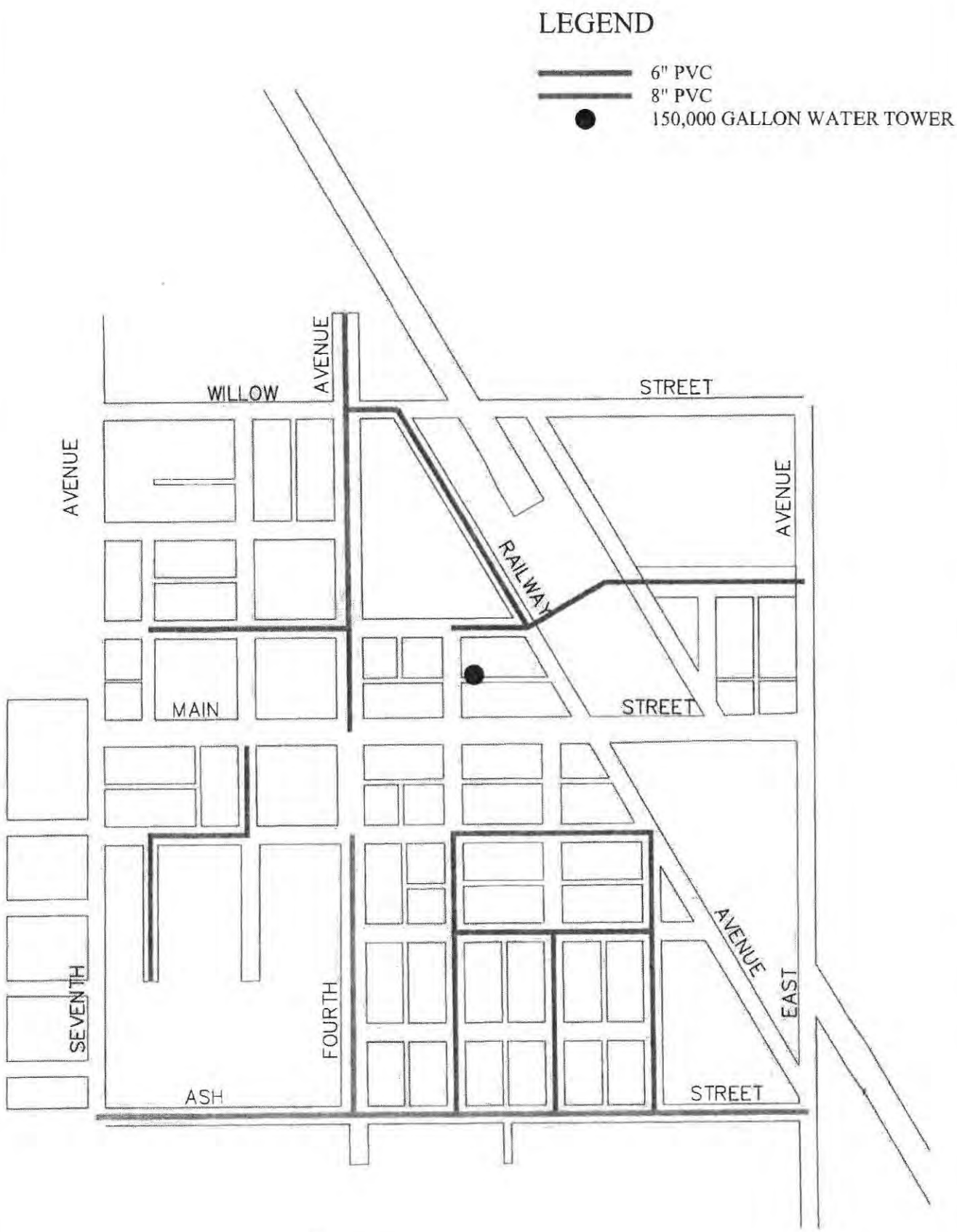
4. The currently required improvements to the tank would still have to be completed. The cost of maintaining the tank would continue.

The City may be better served by removing the existing tank and utilizing the property for another purpose.

Distribution System:

The proposed Master Plan illustrated on the exhibit titled "Water System Master Plan" includes 8 inch water mains in the anticipated growth areas. These mains can generally be constructed as part of land development by the developers. Many of the actual routes of these water mains can be determined through the development process. All water mains within the proposed 8 inch water main loops can be 6 inch diameter.

The Master Plan should be considered a model for water main sizing. As a planning document, flexibility to adapt to actual development needs is important.



EXISTING WATER SYSTEM IMPROVEMENTS

WATER SYSTEM MASTER PLAN

APPENDIX A

WATER SUPPLY CONTRACT

WATER SUPPLY CONTRACT

This Contract for the sale and purchase of water is entered into between TM Rural Water District hereinafter referred to as "District" and the City of Canistota, hereinafter referred to as "City".

WITNESSETH

Whereas, the District has been organized and established under the provisions of SDCL Chapter 46A-9 for the purpose of constructing and operating a rural water distribution system serving water users and municipalities in Turner, McCook and Minnehaha Counties, South Dakota.

Whereas, the City owns and operates a water distribution system and intends to purchase water from the District for distribution by the City to its customers, and

Whereas, on the 2nd day of May, 1983, the City did pass a resolution authorizing the City to enter into a Contract with TM Rural Water District for purchase of potable water; and

Whereas, it is the intention of the District to approve and ratify this Contract, and the terms contained herein, upon approval by the Farmers Home Administration, as stated in paragraph C.5, herein;

Now therefore, in consideration of the foregoing and the mutual agreements hereinafter set forth,

A. The District agrees:

1. (Quality and Quantity) To furnish the City, at the point of delivery hereinafter specified during the term of this contract or

any renewal or extension thereof, potable treated water meeting applicable water quality standards of the United States Environmental Protection Agency in such quantity as may be required by the City, not to exceed a rate of flow of 95 gallons per minute or 115,000 gallons per day at 44 pounds per square inch. Notwithstanding the foregoing limitations agreed to herein, in the event the District is capable of, and does in fact, furnish the City with quantities of water exceeding those limits contained herein, such action shall not be deemed to be a waiver of said limitations.

2. (Emergency Failures) Emergency failures of pressure or supply due to main supply line breaks, power failures, flood, fire, and use of water to fight fire, earthquakes or other catastrophes shall excuse the District from this provision for such reasonable period of time as may be necessary to restore service.

3. (Metering Equipment) To furnish, install, operate and maintain at its own expense at point of delivery, the necessary metering equipment, including a meter house or pit, and required devices of standard type for properly measuring the quantity of water delivered to City.

4. (Calibration and Adjustments)

(a) If City believes its meter reading to be in error, it shall present its claim, in writing, at the District's office before said bill is delinquent not later than the tenth (10th) day of the month. Such claim, if made after the bill has become delinquent, shall not be effective in

preventing discontinuance of service, as hereinafter provided. City must pay said bill under protest and said payment shall not prejudice its claim of error.

(b) Upon presenting its claim of error in a meter reading, the meter will be calibrated at City's request, upon payment to the District of the actual cost of the calibration, provided however, that if the meter is found to over-register beyond two percent (2%) of the correct volume, no charge to the City will be made.

(c) Any adjustments of the City's bill, in the event of overregistering of a meter, as shown by calibration, shall not affect payment by the City of any amounts as set forth in water rate agreements.

B. <u>City Agrees</u>:

1. (Minimum Bill) The City agrees to pay the District not later than the tenth (10th) day of each month, the sum of $2,000.00 for the purchase of 1,600,000 gallons of water.

2. (Water Rate) The City hereby agrees to pay the District not later than the tenth (10th) day of each month, the sum of $1.25 per thousand gallons for water delivered up to 1,600,000 gallons per month and the sum of $0.75 per thousand (1000) gallons for all water consumed during the preceeding month in excess of the minimum indicated in paragraph B. 1 above.

3. An annual accounting shall be completed by the District and made available to the City in order that the annual water rates

can be adjusted as necessary to reflect annual use and the monthly payments to be made by the City.

4. (Delinquent Bills) The sums due under paragraphs B. 1 and B. 2 above, if not paid on or before the tenth (10th) day of each month, shall be declared delinquent, and service may thereafter be discontinued by the District after service of one (1) written notice to the City. All bills not paid by the tenth (10th) day of each month shall be subject to a ten percent (10%) late charge.

C. <u>It is Further Mutually Agreed Between The District and City As Follows</u>:

1. That construction of the water supply distribution system by the District is being financed, in part, by a grant by the U.S. of America acting through the State of South Dakota Community Development Block Grant Program for the sole purpose of benefiting the users of the City of Canistota. Therefore, further adjustments in the bulk rate must be calculated without using interest or debt service costs in the rate adjustment formula. It is further agreed the rates herein stated may be changed by the District but that any future increase in rates affecting the City shall be based on changes in costs of production and delivery of water per the attached addendum.

2. The City understands and agrees and hereby holds harmless the District from any and all liability, express or implied, arising out of or in connection with personal or property damages or injuries occasioned by fire within the City's distribution system. In respect thereto, the City understands and agrees that the District does not

warrant or guarantee in any manner sufficient quantities of water to meet the City's fire fighting needs.

3. City understands and agrees that the City is responsible for all services, maintenance, and repair of the City's distribution system, extending from point of hookup with the District's system including the installation of a tee and isolation valve to facilitate the hookup of service between the City and the District. The City hereby holds the District harmless from any and all liability, express or implied, arising out of or occasioned from personal or property damage resulting from the operation, maintenance and repair of the City's distribution system.

4. (Failure to Deliver) That the District will, at all times, operate and maintain its system in an efficient manner and will take such action as may be necessary to furnish the City with quanitities of water required by the City. Temporary or partial failures to deliver water shall be remedied with all possible dispatch. In the event of an extended shortage of water, or if the supply of water available to the District is otherwise diminished over an extended period of time, the supply of water to the City shall be reduced or diminished in the same ratio or proportion as the supply to other District consumers is reduced or diminished.

5. (Regulatory Agencies) That this Contract is subject to such rules, regulations, or laws as may be applicable to similar agreements in the State of South Dakota, and the City and the District will collaborate in obtaining such permits, certificates, or the like,

as may be required to comply therewith.

6. (Miscellaneous) That the construction of the water supply distribution system by the District is being financed in part, by a loan from the United States of America, acting through the Farmers Home Administration of the United States Department of Agriculture, and the provisions contained herein are conditioned upon the approval, in writing, of the State Director for South Dakota, of the Farmers Home Administration. Similarly, any modification of the provisions of this Contract, including any change in the schedule of rates to be charged by the District, for the delivery of water shall be conditioned upon the prior approval, in writing, of the State Director for South Dakota, of the Farmers Home Administration.

7. That the interest of the District under this Contract may be assigned to the United States of America, acting through the Farmers Home Administration of the Department of Agriculture, as collateral security for any loan made to finance construction, extension, repair or maintenance of the District's water supply system.

8. (Modification of Contract) It is mutually agreed and understood by the parties hereto that this contract shall be self renewing subject only to the annual adjustments of water rates, if any, contained in the Addendum attached hereto and made a part hereof. In respect thereto, it is mutually understood and agreed that the provisions, terms and conditions as set forth in the Addendum relative to water rates are subject to modification, based upon a demonstrable increase or decrease in the costs of production.

9. (Successor to the District) That in the event of any occurrence rendering the District incapable of performing under this contract, any successor of the District, whether the result of legal process, assignment, or otherwise, shall succeed to the rights of the District hereunder.

10. (Term of Contract) That this Contract shall extend for a term of forty (40) years from the date of initial delivery of water as shown on the first bill submitted by the District to the City and, thereafter may be renewed or extended for such term, or terms, as may be agreed upon by the District and the City.

In Witness Whereof, the parties, hereto, acting under authority of their respective governing bodies, have caused this contract to be duly executed in three counterparts, each which shall constitute an original.

BY: Robert T Molbaum

DATE: 4-26-84

Attest:

Dennis M Johnson
Secretary of District

CITY OF CANISTOTA SOUTH DAKOTA

BY: Wayne H. Arends, Mayor
Mayor City of Canistota

DATE: April 24, 1984

Attest:

Alyce Merrill, City Auditor

This Contract is approved on behalf of the Farmers Home Administration on this ____ day of _____, 1984.

_____
State Director of South Dakota
Farmers Home Administration,
United States Department of
Agriculture

APPENDIX B

LETTER REPORT

ON EXISTING WATER TANK INSPECTION

H&H Contracting Inc.
North Pearl St.
P.O. Box 299 Tyndall, SD 57066-0299
605-589-3824

Minn. Office:
216 West Main St.
Sleepy Eye, MN 56085
507-794-3237
Fax 507-794-5026

Complete Water Tank Repair, Maintenance and Reconditioning

March 23, 2006

City of Canistota
PO Box 67
Canistota, SD 57012-0067

Dear Honorable Mayor and City Council Members,

In July of 2005 our firm completed an inspection of your local elevated water storage tank. As per request, we also prepared a report detailing and itemizing the investment necessary for the tower to meet current OSHA and AWWA standards. Upon city council request, both a video tape and still photos were provided at that time.

From previous contact with the City of Canistota, it is my understanding that the city was budgeting for necessary repairs/updates in fiscal 2006. As the repairs itemized in the report are much needed to meet current OSHA safety and AWWA Board of Health standards, I would highly recommend the following items to continue sanitary drinking water conditions and allow safe access to the tower deck area. Performing these necessary repairs prior to having a new exterior coating would also eliminate the need for repeated surface preparation and touch up of newly finished coatings.

1. Seal weld all gaps between roof and tank sidewall so as to not allow any foreign objects into the tower's interior, (dust, dirt, insects, and small birds). As shown by the previously submitted video, there are many openings between the roof and tank sidewall where small birds, insects, etc may gain access to the water holding area. All areas requiring welding would be cleaned and primed with a high quality rust inhibitive metal primer **(see photos attached)**.

2. Seal weld the roof overlap seams so as not to allow any foreign objects into the tower's interior, (dust, dirt, insects, bird feces, etc.). Currently there are many seams whereas buckling has occurred between the holding rivets, this allows contaminants to enter the tank's water holding area. All areas requiring welding would be cleaned and primed with a high quality rust inhibitive metal primer **(see photos attached)**.

3. Remove old and install new hub and rod assembly on interior of tank. The current system has been damaged due to ice buildup. In its current condition the spider rod system (i.e. hub and rods) had been at some point stressed with fluctuating water levels.

   For example, at some point in time the water level was at a height where it had frozen and attached itself directly to the hub and rod system, thereby as the water level decreased the spider rod system i.e. (hub and rods) were extended downward with the fluctuation of the water supply **(see photos attached)**.

4. Modify the existing tank balcony hand railing by raising the top hand railing to 42in height and adding a mid-rail and a 4in. toe-kick as per OSHA specification **(see photos attached)**.

5. Install OSHA approved leg and tank shell access ladders, as existing ladders do not currently meet OSHA safety regulations. Ladders require side rails no less than 2in. x 3/8 in., with a spacing between side rails of not less than 16in. and with rungs not less than 3/4 in. round, spaced 12in. apart on center). We are allowing a discount per the installation of the previously quoted tank shell ladder. The previous contract quoted $1025.00 installed. We are including this item in the previously quoted tank leg access ladder of $6100.00. This will allow us to expedite the necessary tank shell and roof repairs more safely and efficiently.

6. Install a new 4in. schedule 40 pvc overflow pipe from high water to within two feet off the ground. The end of the pipe shall be screened so as not to allow anything foreign to enter. The current system, as shown by the previously submitted video, has become detached from below the tank deck portion meanwhile, the remainder of the overflow system is merely wired in place to the ladder leg of the tank.

7. Install OSHA approved safety climb cable systems on the leg ladder and the tank roof access ladder **(see photos attached)**.

8. Install a vandalism guard door and aluminum vandalism guards on all tower legs. Many communities are implementing these items as required for **Homeland Security (see photos attached)**.

The repair and update items listed below are of slightly less importance, but should also be taken care of to bring the water tower structure up to present AWWA and OSHA standards.

1. Install a step-off platform at the walkway deck level for safer access from leg ladder to balcony **(see photos attached)**.

2. Install a sediment drain system, 4in. schedule 40 pvc drain pipe, including required fittings to attach to existing floor coupling. Drain pipe to be secured directly to the riser pipe system by stainless steel bands. Currently there is no system in place and the sludge and sediment build up as it exits the tank interior may descend directly onto buildings, cars and people. The sediment drain system also allows for safe, efficient removal of sandblast media, paint chips, rust, etc. during the tank interior repair and painting process. **(see photos attached)**.

Should you choose to implement any or all of these much needed OSHA and AWWA repairs and updates please initial by the space provided on the attached contracts. Once items are selected, please sign and return a copy to our Tyndall, SD office.

We thank you for the opportunity to quote this work for you and look forward to working with you this spring/summer.

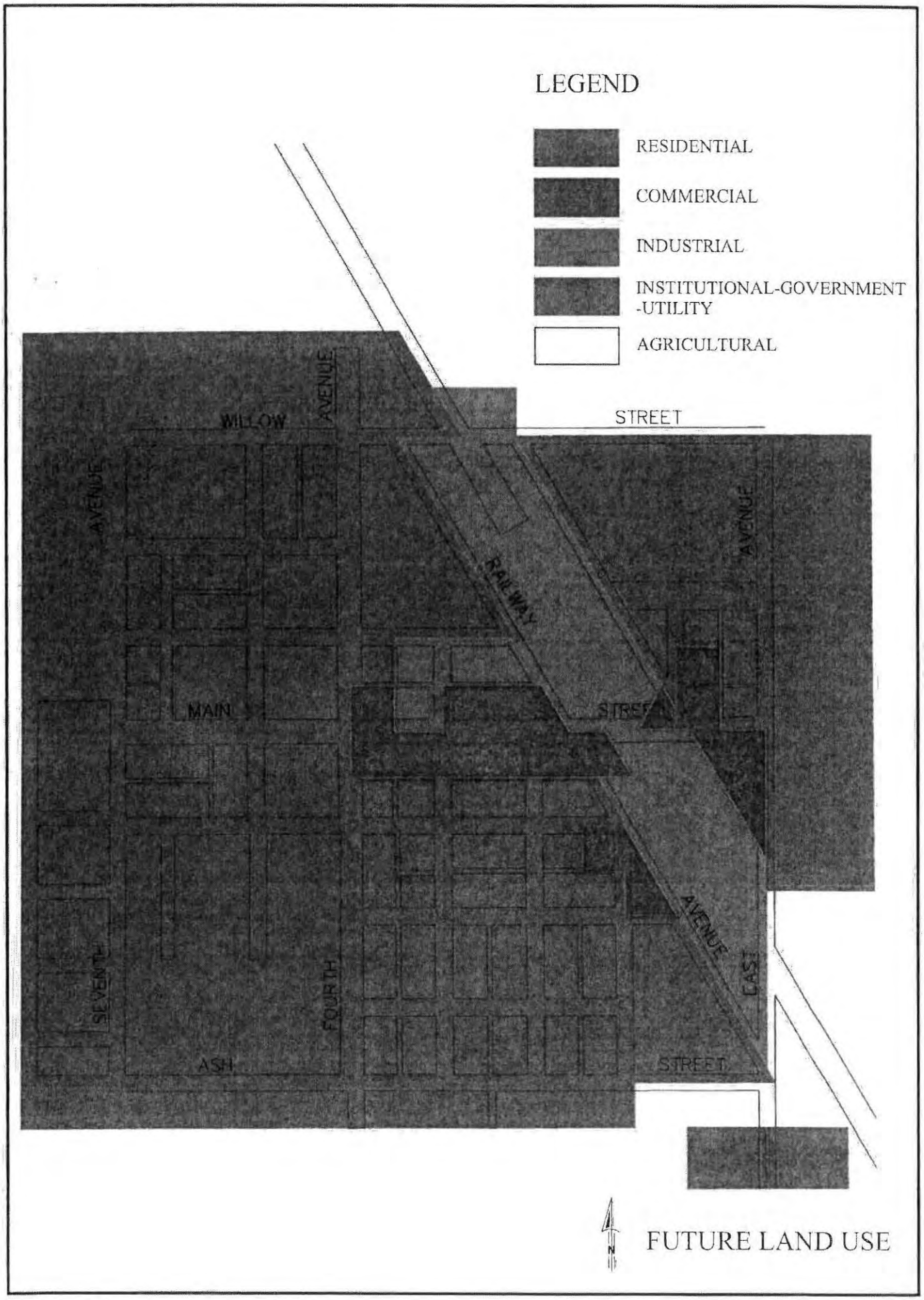
Thank you.

Sincerely,

Robert Hille
H&H Contracting, Inc.

APPENDIX C

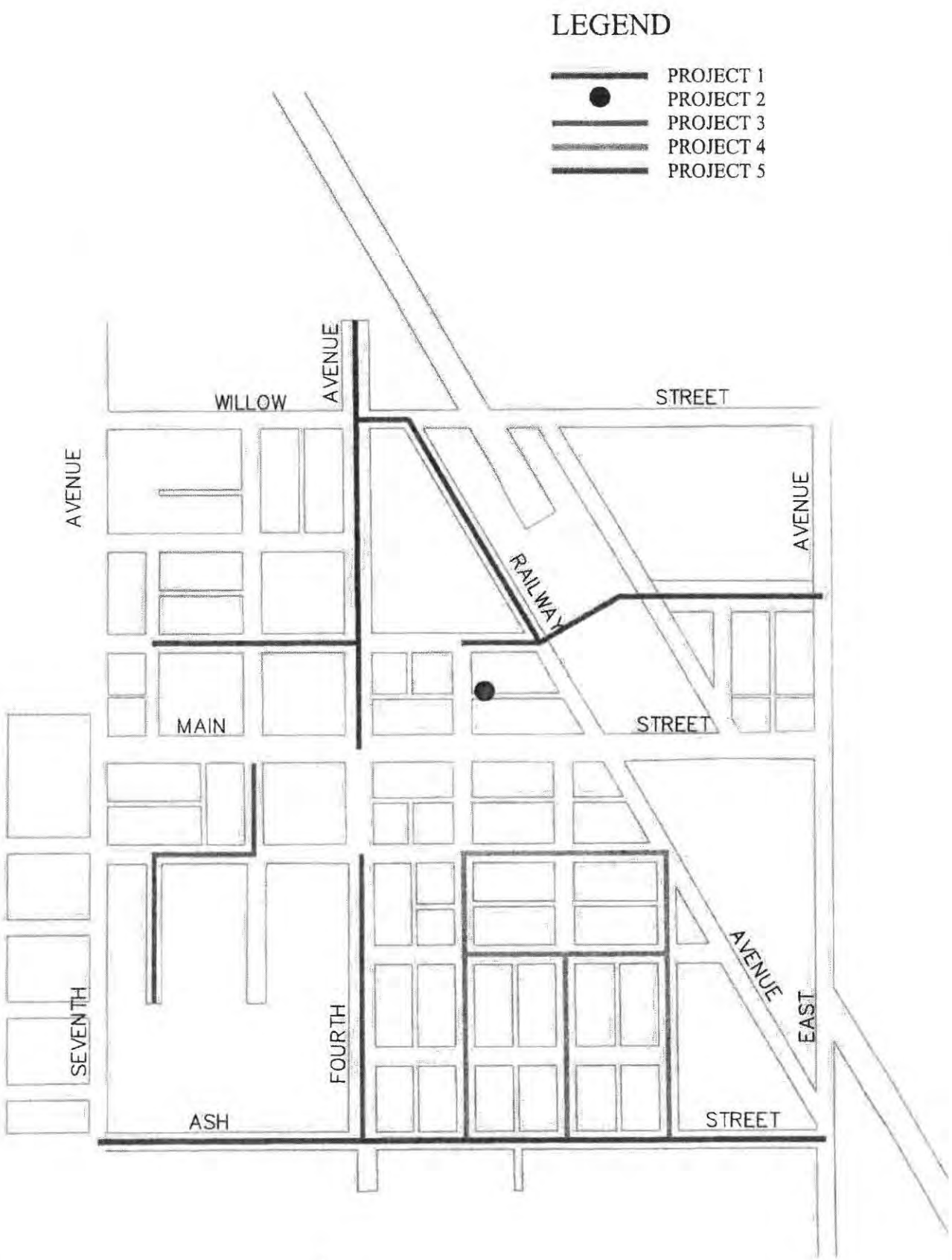
FUTURE LAND USE



FUTURE LAND USE

APPENDIX D

EXISTING WATER SYSTEM IMPROVEMENTS PROPOSED PROJECTS



EXISTING WATER SYSTEM IMPROVEMENTS
PROPOSED PROJECTS

PRELIMINARY COST ESTIMATE

PROJECT: Project 1
Water Main Improvements
Ash Street (7th Ave to East Ave)
Canistota, South Dakota

PROJECT NO.: 1406 DATE: July 9, 2007

ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1	$25,000.00	$25,000.00
2	REMOVAL OF ASPHALT CONCRETE	SY	5350	$3.00	$16,050.00
3	SALVAGE AND PLACE TOPSOIL	LS	1	$4,000.00	$4,000.00
4	INCIDENTAL WORK	LS	1	$5,000.00	$5,000.00
5	AGG. BASE COURSE	TON	2400	$12.00	$28,800.00
6	TRENCH STAB MTL	TON	150	$20.00	$3,000.00
7	WATERMAIN BEDDING MATERIAL	LF	3400	$4.50	$15,300.00
8	ASPHALT CONCRETE COMPOSITE	TON	900	$60.00	$54,000.00
9	STORM SEWER	LS	1	$7,500.00	$7,500.00
10	TRAFFIC CONTROL	LS	1	$4,000.00	$4,000.00
11	PERMANENT SEEDING	LS	1	$3,000.00	$3,000.00
12	6" C900 PVC WATERMAIN	LF	200	$17.00	$3,400.00
13	8" C900 PVC WATERMAIN	LF	3200	$19.00	$60,800.00
14	6" MJ GATE VALVE\BOX	EA	10	$850.00	$8,500.00
15	8" MJ GATE VALVE\BOX	EA	8	$1,200.00	$9,600.00
16	6" MJ BEND	EA	12	$225.00	$2,700.00
17	8" MJ BEND	EA	12	$250.00	$3,000.00
18	8X8" MJ TEES	EA	3	$350.00	$1,050.00
19	8X6" MJ TEES	EA	10	$325.00	$3,250.00
20	8X4" MJ REDUCERS	EA	3	$150.00	$450.00
21	8X6" MJ REDUCERS	EA	1	$175.00	$175.00
22	8X8" MJ CROSS	EA	1	$550.00	$550.00
23	8" MJ CAPS	EA	2	$125.00	$250.00
24	6" MJ LONG SLEEVE	EA	5	$125.00	$625.00
25	8" MJ LONG SLEEVE	EA	2	$150.00	$300.00
26	STANDARD FIRE HDY.	EA	7	$2,300.00	$16,100.00
27	REMOVE FIRE HYDRANT	EA	5	$250.00	$1,250.00
28	CUT & TIE TO EXIST WATERMAIN	EA	5	$750.00	$3,750.00
29	VALVE BOX ADJUSTMENT	EA	18	$150.00	$2,700.00
30	1" WATER SERVICE	EA	20	$2,000.00	$40,000.00
31	6" RESTRAINER DEVICES	EA	15	$100.00	$1,500.00
32	8" RESTRAINER DEVICES	EA	15	$125.00	$1,875.00
33	LOCATING UTILITIES	EA	10	$200.00	$2,000.00

SUBTOTAL ESTIMATED CONSTRUCTION COST: $329,475.00

15% CONTINGENCIES: $49,421.25

TOTAL ESTIMATED CONSTRUCTION COST: $378,896.25

ENGINEERING, ADMINISTRATION, TESTING: $56,834.44

TOTAL PROJECT ESTIMATE: $435,730.69

PRELIMINARY COST ESTIMATE

PROJECT: Project 2
Water Main Improvements
150,000 Gallon Water Tower
Canistota, South Dakota

PROJECT NO.: 1406

DATE: July 9, 2007

ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1	$40,000.00	$40,000.00
2	REMOVAL OF ASPHALT CONCRETE	SY	125	$7.00	$875.00
3	SALVAGE AND PLACE TOPSOIL	LS	1	$500.00	$500.00
4	INCIDENTAL WORK	LS	1	$2,000.00	$2,000.00
5	AGG. BASE COURSE	TON	75	$15.00	$1,125.00
6	WATERMAIN BEDDING MATERIAL	LF	110	$6.00	$660.00
7	ASPHALT CONC. FOR PATCHING	TON	40	$125.00	$5,000.00
8	TRAFFIC CONTROL	LS	1	$1,500.00	$1,500.00
9	PERMANENT SEEDING	LS	1	$1,000.00	$1,000.00
10	6" C900 PVC WATERMAIN	LF	10	$20.00	$200.00
11	8" C900 PVC WATERMAIN	LF	100	$25.00	$2,500.00
12	6" MJ GATE VALVE\BOX	EA	1	$850.00	$850.00
13	8" MJ GATE VALVE\BOX	EA	3	$1,200.00	$3,600.00
14	8X8" MJ TEES	EA	1	$350.00	$350.00
15	8X6" MJ TEES	EA	1	$325.00	$325.00
16	8" MJ LONG SLEEVE	EA	1	$200.00	$200.00
17	STANDARD FIRE HDY.	EA	1	$2,300.00	$2,300.00
18	REMOVE FIRE HYDRANT	EA	1	$500.00	$500.00
19	CUT & TIE TO EXIST WATERMAIN	EA	2	$750.00	$1,500.00
20	VALVE BOX ADJUSTMENT	EA	4	$150.00	$600.00
21	6" RESTRAINER DEVICES	EA	2	$100.00	$200.00
22	8" RESTRAINER DEVICES	EA	8	$125.00	$1,000.00
23	150,000 GALLON WATER TOWER	LS	1	$550,000.00	$550,000.00
24	LOCATING UTILITIES	EA	5	$200.00	$1,000.00

SUBTOTAL ESTIMATED CONSTRUCTION COST: $617,785.00

15% CONTINGENCIES: $92,667.75

TOTAL ESTIMATED CONSTRUCTION COST: $710,452.75

ENGINEERING, ADMINISTRATION, TESTING: $106,567.91

TOTAL PROJECT ESTIMATE: $817,020.66

PRELIMINARY COST ESTIMATE

PROJECT: Project 3
Water Main Improvements
4th Ave, 5th Ave, 6th Ave, and Pine St
Canistota, South Dakota

PROJECT NO.: 1406

DATE: July 9, 2007

ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1	$17,500.00	$17,500.00
2	REMOVAL OF ASPHALT CONCRETE	SY	3950	$3.00	$11,850.00
3	SALVAGE AND PLACE TOPSOIL	LS	1	$2,500.00	$2,500.00
4	INCIDENTAL WORK	LS	1	$3,000.00	$3,000.00
5	AGG. BASE COURSE	TON	1800	$12.00	$21,600.00
6	TRENCH STAB MTL	TON	150	$20.00	$3,000.00
7	WATERMAIN BEDDING MATERIAL	LF	2350	$4.50	$10,575.00
8	ASPHALT CONCRETE COMPOSITE	TON	700	$60.00	$42,000.00
9	STORM SEWER	LS	1	$3,000.00	$3,000.00
10	TRAFFIC CONTROL	LS	1	$2,000.00	$2,000.00
11	PERMANENT SEEDING	LS	1	$3,000.00	$3,000.00
12	6" C900 PVC WATERMAIN	LF	1300	$17.00	$22,100.00
13	8" C900 PVC WATERMAIN	LF	1050	$19.00	$19,950.00
14	6" MJ GATE VALVE\BOX	EA	7	$850.00	$5,950.00
15	8" MJ GATE VALVE\BOX	EA	3	$1,200.00	$3,600.00
16	6" MJ BEND	EA	4	$225.00	$900.00
17	8" MJ BEND	EA	4	$250.00	$1,000.00
18	6X6" MJ TEES	EA	3	$300.00	$900.00
19	8X8" MJ TEES	EA	2	$350.00	$700.00
20	8X6" MJ TEES	EA	3	$325.00	$975.00
21	6X4" MJ REDUCERS	EA	1	$100.00	$100.00
22	8X8" MJ CROSS	EA	1	$550.00	$550.00
23	6" MJ CAPS	EA	1	$100.00	$100.00
24	8" MJ CAPS	EA	1	$125.00	$125.00
25	6" MJ LONG SLEEVE	EA	2	$125.00	$250.00
26	8" MJ LONG SLEEVE	EA	2	$150.00	$300.00
27	STANDARD FIRE HDY.	EA	5	$2,300.00	$11,500.00
28	REMOVE FIRE HYDRANT	EA	3	$250.00	$750.00
29	CONNECT TO EXISTING WM	EA	1	$500.00	$500.00
30	CUT & TIE TO EXIST WATERMAIN	EA	5	$750.00	$3,750.00
31	VALVE BOX ADJUSTMENT	EA	10	$150.00	$1,500.00
32	1" WATER SERVICE	EA	20	$2,000.00	$40,000.00
33	6" RESTRAINER DEVICES	EA	10	$100.00	$1,000.00
34	8" RESTRAINER DEVICES	EA	10	$125.00	$1,250.00
35	LOCATING UTILITIES	EA	7	$200.00	$1,400.00

SUBTOTAL ESTIMATED CONSTRUCTION COST:	**$239,175.00**
15% CONTINGENCIES:	**$35,876.25**
TOTAL ESTIMATED CONSTRUCTION COST:	**$275,051.25**
ENGINEERING, ADMINISTRATION, TESTING:	**$41,257.69**
TOTAL PROJECT ESTIMATE:	**$316,308.94**

PRELIMINARY COST ESTIMATE

PROJECT: Project 4
Water Main Improvements
1st Ave, 2nd Ave, 3rd Ave, Oak St, and Pine St
Canistota, South Dakota

PROJECT NO.: 1406

DATE: July 9, 2007

ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1	$40,000.00	$40,000.00
2	REMOVAL OF ASPHALT CONCRETE	SY	7500	$3.00	$22,500.00
3	SALVAGE AND PLACE TOPSOIL	LS	1	$2,500.00	$2,500.00
4	INCIDENTAL WORK	LS	1	$3,000.00	$3,000.00
5	AGG. BASE COURSE	TON	3400	$12.00	$40,800.00
6	TRENCH STAB MTL	TON	250	$20.00	$5,000.00
7	WATERMAIN BEDDING MATERIAL	LF	4400	$4.50	$19,800.00
8	ASPHALT CONCRETE COMPOSITE	TON	1300	$60.00	$78,000.00
9	STORM SEWER	LS	1	$3,000.00	$3,000.00
10	TRAFFIC CONTROL	LS	1	$2,000.00	$2,000.00
11	PERMANENT SEEDING	LS	1	$3,000.00	$3,000.00
12	6" C900 PVC WATERMAIN	LF	4400	$17.00	$74,800.00
13	8" C900 PVC WATERMAIN	LF	100	$25.00	$2,500.00
14	6" MJ GATE VALVE\BOX	EA	12	$850.00	$10,200.00
15	8" MJ GATE VALVE\BOX	EA	2	$1,200.00	$2,400.00
16	6" MJ BEND	EA	15	$225.00	$3,375.00
17	6X6" MJ TEES	EA	8	$300.00	$2,400.00
18	8X6" MJ REDUCERS	EA	1	$100.00	$100.00
19	8X8" MJ CROSS	EA	1	$550.00	$550.00
20	6" MJ LONG SLEEVE	EA	2	$125.00	$250.00
21	8" MJ LONG SLEEVE	EA	2	$150.00	$300.00
22	STANDARD FIRE HDY.	EA	5	$2,300.00	$11,500.00
23	REMOVE FIRE HYDRANT	EA	3	$250.00	$750.00
24	CONNECT TO EXISTING WM	EA	3	$500.00	$1,500.00
25	CUT & TIE TO EXIST WATERMAIN	EA	2	$750.00	$1,500.00
26	VALVE BOX ADJUSTMENT	EA	14	$150.00	$2,100.00
27	1" WATER SERVICE	EA	35	$2,000.00	$70,000.00
28	6" RESTRAINER DEVICES	EA	15	$100.00	$1,500.00
29	8" RESTRAINER DEVICES	EA	4	$125.00	$500.00
30	LOCATING UTILITIES	EA	20	$200.00	$4,000.00

SUBTOTAL ESTIMATED CONSTRUCTION COST: $409,825.00

15% CONTINGENCIES: $61,473.75

TOTAL ESTIMATED CONSTRUCTION COST: $471,298.75

ENGINEERING, ADMINISTRATION, TESTING: $70,694.81

TOTAL PROJECT ESTIMATE: $541,993.56

PRELIMINARY COST ESTIMATE

PROJECT: Project 5
Water Main Improvements
4th Ave, Elm St, and Railway Ave
Canistota, South Dakota

PROJECT NO.: 1406 DATE: July 9, 2007

ITEM NO.	DESCRIPTION	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
1	MOBILIZATION	LS	1	$45,000.00	$45,000.00
2	REMOVAL OF ASPHALT CONCRETE	SY	7000	$3.00	$21,000.00
3	SALVAGE AND PLACE TOPSOIL	LS	1	$4,000.00	$4,000.00
4	INCIDENTAL WORK	LS	1	$5,000.00	$5,000.00
5	AGG. BASE COURSE	TON	3100	$12.00	$37,200.00
6	TRENCH STAB MTL	TON	200	$20.00	$4,000.00
7	WATERMAIN BEDDING MATERIAL	LF	4760	$4.50	$21,420.00
8	ASPHALT CONCRETE COMPOSITE	TON	1200	$60.00	$72,000.00
9	STORM SEWER	LS	1	$7,500.00	$7,500.00
10	TRAFFIC CONTROL	LS	1	$4,000.00	$4,000.00
11	PERMANENT SEEDING	LS	1	$3,000.00	$3,000.00
12	6" C900 PVC WATERMAIN	LF	3600	$17.00	$61,200.00
13	8" C900 PVC WATERMAIN	LF	1160	$19.00	$22,040.00
14	6" MJ GATE VALVE\BOX	EA	18	$850.00	$15,300.00
15	8" MJ GATE VALVE\BOX	EA	4	$1,200.00	$4,800.00
16	6" MJ BEND	EA	15	$225.00	$3,375.00
17	8" MJ BEND	EA	8	$250.00	$2,000.00
18	6X6" MJ TEES	EA	10	$350.00	$3,500.00
19	8X6" MJ TEES	EA	10	$325.00	$3,250.00
20	6X4" MJ REDUCERS	EA	3	$150.00	$450.00
21	8X6" MJ REDUCERS	EA	3	$175.00	$525.00
22	6X6" MJ CROSS	EA	1	$550.00	$550.00
23	6" MJ LONG SLEEVE	EA	5	$125.00	$625.00
24	8" MJ LONG SLEEVE	EA	5	$150.00	$750.00
25	STANDARD FIRE HDY.	EA	11	$2,300.00	$25,300.00
26	REMOVE FIRE HYDRANT	EA	7	$250.00	$1,750.00
27	CUT & TIE TO EXIST WATERMAIN	EA	15	$750.00	$11,250.00
28	VALVE BOX ADJUSTMENT	EA	22	$150.00	$3,300.00
29	1" WATER SERVICE	EA	30	$2,000.00	$60,000.00
30	6" RESTRAINER DEVICES	EA	20	$100.00	$2,000.00
31	8" RESTRAINER DEVICES	EA	10	$125.00	$1,250.00
32	LOCATING UTILITIES	EA	15	$200.00	$3,000.00

SUBTOTAL ESTIMATED CONSTRUCTION COST: $450,335.00

15% CONTINGENCIES: $67,550.25

TOTAL ESTIMATED CONSTRUCTION COST: $517,885.25

ENGINEERING, ADMINISTRATION, TESTING: $77,682.79

TOTAL PROJECT ESTIMATE: $595,568.04

TABLE 3

WATER USER RATE IMPACT

STAND ALONE WATER PROJECT

Project No.	Total Project Estimate	Precentage of Project Cost Borrowed				Payment per User per Month at Loan Levels			
		20%	40%	60%	80%	20%	40%	60%	80%
1	$ 435,730.69	$ 87,146.14	$ 174,292.28	$ 261,438.41	$ 348,584.55	$1.73	$3.46	$5.19	$6.92
2	$ 817,020.66	$ 163,404.13	$ 326,808.26	$ 490,212.40	$ 653,616.53	$3.24	$6.49	$9.73	$12.97
3	$ 316,308.94	$ 63,261.79	$ 126,523.58	$ 189,785.36	$ 253,047.15	$1.26	$2.51	$3.77	$5.02
4	$ 541,993.56	$ 108,398.71	$ 216,797.42	$ 325,196.14	$ 433,594.85	$2.15	$4.30	$6.46	$8.61
5	$ 595,568.04	$ 119,113.61	$ 238,227.22	$ 357,340.82	$ 476,454.43	$2.36	$4.73	$7.09	$9.46

JOINT WATER AND SEWER PROJECT

Project No.	Total Project Estimate	Precentage of Project Cost Borrowed				Payment per User per Month at Loan Levels			
		20%	40%	60%	80%	20%	40%	60%	80%
1	$ 266,649.00	$ 53,329.80	$ 106,659.60	$ 159,989.40	$ 213,319.20	$1.06	$2.12	$3.18	$4.23
2	$ 817,020.66	$ 163,404.13	$ 326,808.26	$ 490,212.40	$ 653,616.53	$3.24	$6.49	$9.73	$12.97
3	$ 190,737.00	$ 38,147.40	$ 76,294.80	$ 114,442.20	$ 152,589.60	$0.76	$1.51	$2.27	$3.03
4	$ 318,888.00	$ 63,777.60	$ 127,555.20	$ 191,332.80	$ 255,110.40	$1.27	$2.53	$3.80	$5.06
5	$ 452,969.00	$ 90,593.80	$ 181,187.60	$ 271,781.40	$ 362,375.20	$1.80	$3.60	$5.40	$7.19

Table uses a 20-year loan at 3.25% paid quarterly and then divided among the 285 users on a monthly basis

INTRODUCTION

BACKGROUND INFORMATION

The City of Canistota needs to make improvements to the business district on Main Street. The surfacing was originally constructed in 1952. In 2001 the City completed a utility project that replaced the water and sewer main but did not replace the service lines. The surfacing is showing extreme signs of deterioration and is in drastic need of replacement. There are several panels that have settled causing joints to be offset. Cracks are predominant throughout the section and aggregate is exposed. There are several handicap ramps that are not compliant with ADA standards.

SCOPE OF WORK

The scope of this work includes reconstructing 1,000' of Main Street from 4th Avenue to Railway Street. The City would like to replace the existing water and sewer services lines and then reconstruct the entire street. In addition, the City needs to replace an existing storm sewer and inlet and install a new block of storm sewer.

EXISTING AND FUTURE CONDITIONS

PROJECTED NEED AND PLANNING AREA IDENTIFICATION

The water service lines are believed to be original from when the buildings were built along Main Street. The water mains that were replaced in 2001 date back to the 1920's. The sewer service lines are also believed to be original from when the buildings were built along Main Street. The sewer mains that were replaced in 2001 date back to 1929.

DEVELOPMENT OF ALTERNATIVES

DEVELOPMENT OF ALTERNATIVES

The following alternatives were development to correct the deficiencies that were identified. Each alternative includes a description of the project, location map and cost estimate. The cost estimates include construction, contingencies, engineering, testing, legal and financing.

ALTERNATIVE #1 - NO ACTION

The "No Action" alternative would consist of no improvements at this time and would not correct any of the deficiencies with the existing service lines and storm sewer. Therefore, this alternative is not recommended.

ALTERNATIVE #2 – REPLACE SERVICE LINES AND INSTALL STORM SEWER

Due to their age, the City would like to replace the existing water and sewer services lines before a new street is reconstructed over them. The new storm sewer will connect to the existing storm sewer on Pine Street. This storm sewer will pick up the surface flows before they exceed industry standards for the width of spread. This will also help route storm flows around the west end of Main Street and reduce the risk for flooding the intersection of Main Street and 7th Avenue. This alternative is recommended because it will replace the service lines and storm sewer that are outdated before the street is resurfaced. A map showing the proposed improvements and cost estimate are shown on the following pages.

Plot Date: 1/25/2016 8:14:06 AM

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DGR ENGINEERING	Project Manager: GGL Designer: GGL Project Number: 665660 Phone: (605) 339-4157	MAIN STREET IMPROVEMENTS CANISTOTA, SD	CONCEPT LAYOUT	SHEET 1

Cost Estimate for Alternative #2

Item	Description	Qty	Unit	Unit Cost	Total Cost	SRF CW	SRF DW	SRF Non-Eligible
1	Mobilization	1	LS	$120,000.00	$120,000.00	$26,400.00	$7,200.00	$86,400.00
2	Clearing	1	LS	$1,000.00	$1,000.00	$220.00	$60.00	$720.00
3	Traffic Control	1	LS	$10,000.00	$10,000.00	$2,200.00	$600.00	$7,200.00
4	Temporary Access	1	LS	$3,000.00	$3,000.00	$0.00	$0.00	$3,000.00
5	Remove Asphalt Concrete Pavement	3,100	SY	$4.00	$12,400.00	$3,040.00	$0.00	$9,360.00
6	Remove Concrete Pavement	9,000	SY	$5.00	$45,000.00	$7,666.67	$2,533.33	$34,800.00
7	Remove Curb and Gutter	2,800	FT	$6.00	$16,800.00	$1,380.00	$300.00	$15,120.00
8	Remove Concrete Sidewalk	2,300	SY	$4.00	$9,200.00	$817.78	$177.78	$8,204.44
9	Remove and Reset Signs	15	EA	$100.00	$1,500.00	$0.00	$0.00	$1,500.00
10	Relocate Fire Hydrant	2	EA	$1,500.00	$3,000.00	$0.00	$3,000.00	$0.00
11	Remove Pipe Culvert	100	FT	$11.00	$1,100.00	$1,100.00	$0.00	$0.00
12	Saw Existing Surfacing	870	FT	$6.00	$5,220.00	$0.00	$0.00	$5,220.00
13	Contractor Furnished Topsoil	200	CY	$20.00	$4,000.00	$0.00	$0.00	$4,000.00
14	Unclassified Excavation	5,200	CY	$10.00	$52,000.00	$10,192.59	$2,251.85	$39,555.56
15	Scarify & Recompact Subgrade	11,100	CY	$1.00	$11,100.00	$2,293.33	$506.67	$8,300.00
16	6" HDPE		FT	$40.00	$0.00	$0.00	$0.00	$0.00
17	15" RCP	150	FT	$55.00	$8,250.00	$8,250.00	$0.00	$0.00
18	18" RCP	420	FT	$60.00	$25,200.00	$25,200.00	$0.00	$0.00
19	Class M6 Concrete	12	CY	$1,000.00	$12,000.00	$12,000.00	$0.00	$0.00
20	Reinforcing Steel	1,600	LBS	$2.00	$3,200.00	$3,200.00	$0.00	$0.00
21	Manhole Casting	4	EA	$400.00	$1,600.00	$1,600.00	$0.00	$0.00
22	Connect Sump Pump	2	EA	$750.00	$1,500.00	$1,500.00	$0.00	$0.00
23	Sanitary Sewer Service	1,150	FT	$28.00	$32,200.00	$32,200.00	$0.00	$0.00
24	Reconnect Sanitary Sewer Service	23	EA	$350.00	$8,050.00	$8,050.00	$0.00	$0.00
25	Water Service	380	FT	$30.00	$11,400.00	$0.00	$11,400.00	$0.00
26	Curb Stop & Box	5	EA	$450.00	$2,250.00	$0.00	$2,250.00	$0.00
27	Reconnect Water Service	5	EA	$350.00	$1,750.00	$0.00	$1,750.00	$0.00
28	Aggregate Base Course (12")	7,500	TN	$14.00	$105,000.00	$20,949.60	$4,628.40	$79,422.00
29	9" Nonreinforced Concrete Surfacing	7,200	SY	$45.00	$324,000.00	$69,000.00	$22,800.00	$232,200.00
30	Dowel Bars	5,370	EA	$10.00	$53,700.00	$0.00	$0.00	$53,700.00
31	Asphalt Concrete Composite	700	TN	$78.00	$54,600.00	$13,782.60	$0.00	$40,817.40
32	Valve Box & Manhole Adjustment	12	EA	$300.00	$3,600.00	$1,800.00	$1,800.00	$0.00
33	Concrete Curb & Gutter	2,800	FT	$15.00	$42,000.00	$3,450.00	$750.00	$37,800.00
34	Geotextile Fabric	11,100	SY	$2.50	$27,750.00	$3,833.33	$1,266.67	$22,650.00
35	Pavement Markings 6"	3,100	LF	$1.00	$3,100.00	$0.00	$0.00	$3,100.00
36	Pavement Markings 24"	1,720	LF	$5.00	$8,600.00	$0.00	$0.00	$8,600.00
37	6" Concrete Fillet Section	210	SY	$75.00	$15,750.00	$0.00	$0.00	$15,750.00
38	6" Concrete Valley Gutter	200	SY	$70.00	$14,000.00	$0.00	$0.00	$14,000.00
39	6" Concrete Approach	460	SY	$50.00	$23,000.00	$0.00	$0.00	$23,000.00
40	4" Concrete Sidewalk	23,800	SF	$5.50	$130,900.00	$10,120.00	$2,200.00	$118,580.00
41	6" Concrete Sidewalk	3,200	SF	$6.50	$20,800.00	$0.00	$0.00	$20,800.00
42	Detectable Warning Surface	248	SF	$60.00	$14,880.00	$0.00	$0.00	$14,880.00
43	Seed, Fertilize & Mulch	400	SY	$3.00	$1,200.00	$0.00	$0.00	$1,200.00
44	Erosion Control	1	LS	$5,000.00	$5,000.00	$1,100.00	$300.00	$3,600.00
45	Historic Lights	8	EA	$7,500.00	$60,000.00	$0.00	$0.00	$60,000.00
46	Planting Soil		CY	$28.00	$0.00	$0.00	$0.00	$0.00
47	Cedar Mulch		SY	$11.00	$0.00	$0.00	$0.00	$0.00
48	Plants & Trees		LS	$10,000.00	$0.00	$0.00	$0.00	$0.00
49	Add for Stamped & Colored Concrete		SF	$5.00	$0.00	$0.00	$0.00	$0.00
50	Add for Colored Concrete		SF	$2.00	$0.00	$0.00	$0.00	$0.00
51	Planter Curb		LF	$35.00	$0.00	$0.00	$0.00	$0.00
52	Seat Wall		EA	$3,500.00	$0.00	$0.00	$0.00	$0.00
53	Trash Receptacle		EA	$1,500.00	$0.00	$0.00	$0.00	$0.00
54	Bike Rack		EA	$1,000.00	$0.00	$0.00	$0.00	$0.00
55	Bench		EA	$2,100.00	$0.00	$0.00	$0.00	$0.00
56	Irrigation System		LS	$20,000.00	$0.00	$0.00	$0.00	$0.00
				Subtotal:	$1,310,600.00	$271,345.90	$65,774.70	$973,479.40
				Contingencies (13%):	$171,000.00	$37,620.00	$10,260.00	$123,120.00
				Total Construction Cost:	$1,481,600.00	$308,965.90	$76,034.70	$1,096,599.40
				Engineering:	$222,000.00	$48,840.00	$13,320.00	$159,840.00
				Legal, Admin & Testing (4%)	$60,000.00	$13,200.00	$3,600.00	$43,200.00
				Total Project Cost:	**$1,763,600.00**	**$371,005.90**	**$92,954.70**	**$1,299,639.40**

DGR ENGINEERING

IMPLEMENTATION SCHEDULE

Funding Package Announced:	June 2016
Final Plans Complete:	November 2016
Bid Letting:	January 2017
Start Construction:	April 2017
Finish Construction:	August 2017