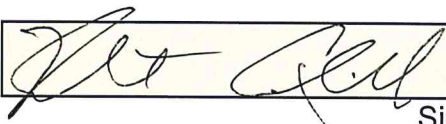


Applicant:	Goshen Irrigation District
Project Name:	Emergency Tunnel and Canal Repair
Date:	Monday, August 19, 2019
Address:	P.O. Box 717
City:	Torrington
State:	WY
Zip Code:	82240
Phone:	307.532.7031
E-Mail:	goshenirr@embargmail.com
Fax:	307.532.3919
Federal EIN:	830205378
DUNS No.:	
Contact Person:	Andrea Janes
Address:	P.O. Box 717
City:	Torrington
State:	WY
Zip Code:	82240
Phone:	307.532.7031
E-Mail:	goshenirr@embargmail.com
Fax:	307.532.3919
Engineer Contact:	Anderson Consulting Engineers, Inc.
Address:	375 East Horsetooth Rd, Building 5
City:	Ft. Collins
State:	Colorado
Zip Code:	80525
Phone:	970.226.0120
E-Mail:	brad.anderson@acewater.com
Fax:	
Other:	SAK Construction, LLC
Address:	864 Hoff Road
City:	O'Fallon
State:	Missouri
Zip Code:	63366
Phone:	636.385.1000
E-Mail:	jbyrd@sakcon.com
Fax:	636.385.1100

I certify that I am authorized to sign this application on behalf of our governing body, and the applicant will comply with all appropriate requirements if approved. To the best of my knowledge and belief, the information in and submitted with this application is true and correct. I understand the State may review any relevant documents or instrument relating to the analysis of this application.

	9/16/2019
Signature	Date

Robert Coxhill	President
Printed Name and Title	

Applicant: Goshen Irrigation District

Project Name: Emergency Tunnel #2 Repair and Canal Breach

Date: Wednesday, August 14, 2019

Address: PO BOX 717
City Torrington
State: WY
Zip Code: 82240
Phone: 307-532-7031
E-Mail: goshenirr@embargo.com
Fax: 307-532-3919
Federal EIN: 830205378
DUNS No.: N/A

Contact Person: Andrea Janes
Address: PO BOX 717
City: Torrington
State: WY
Zip Code: 82240
Phone: 307-532-7031
E-Mail: goshenirr@embargo.com
Fax: 307-532-3919

Engineer Contact: Anderson Consulting Engineers, INC
Address: 375 E. Horsetooth Road, Building 5
City: Fort Collins
State: Colorado
Zip Code: 80525
Phone: 970 226 0120
E-Mail: brad.anderson@acewater.com
Fax:

Other:
Address:
City:
State:
Zip Code:
Phone:
E-Mail:
Fax:

I certify that I am authorized to sign this application on behalf of our governing body, and the applicant will comply with all appropriate requirements if approved. To the best of my knowledge and belief, the information in and submitted with this application is true and correct. I understand the State may review any relevant documents or instrument relating to the analysis of this application.

/s - submitted electronically	8/14/19
Signature	Date

Andrea Janes, Cost Accounting
Printed Name and Title

Applicant:

Goshen Irrigation District

Project Name:

Emergency Tunnel and Canal Repair

Project ranking on Intended Use Plan:

108

Population served by project:

782

Annual Median Household income:

N/A

Engineer's estimate of useful life of project:

40

Applicant requested loan term:

30

Detailed Project Description: (If project is needed to meet Federal or State health and/or safety requirement, the applicant must provide the specific health or safety requirements the project will address). Districts must include a statement the District owns the Sewer/Water system in its entirety.

During the early morning of July 17, 2019, the GID irrigation tunnel partially collapsed, resulting in a complete blockage of the tunnel and two large sinkholes above the tunnel. The collapse of the tunnel plugged the tunnel with soil, rock and concrete. The plugged tunnel led to a breach of the upstream irrigation canal and damage to property owners located east of the canal.

The GID irrigation facilities provide water for over 100,000 acres of irrigated land. An emergency repair is required.

The proposed project includes the following:

1. Contact and backfill grouting in the tunnel;
2. Install temporary tunnel support; and,
3. Repair the canal in the location it was breached.

For additional project information, please see the attached Statement of Feasibility.

Questions 1-4 below are for Districts Only:

1. District formation documentation is attached:

☒ Yes

☐ No

2. Date District Formed:

11/24/1926

3. Geographical Area:

The Geographic Area spans south of the North Platte River to the Gering Fort Laramie Canal covering 52,484 ares in Goshen County to the Nebraska State Line.

4. Number and Types of Lots Served:

52,484 Acres of Irrigated Land in Goshen County, Wyoming. GID Services over 400 Accounts within its system and district.

If you answer yes to any of the following questions, your project is Not eligible for funding from the SRF Program.

Does the project include the construction or rehabilitation of a dam or dams? ☐ Yes ☒ No

Is the project needed mainly for fire protection? ☐ Yes ☒ No

Will the project finance the expansion of a drinking water system to attract future population growth? ☐ Yes ☒ No

Please describe what led you to conclude the proposed project is needed.

The project is part of an approved Master Plan for our system. ☐ Yes ☒ No

We prepared a formal Engineering Report to address specific problem with our system. The proposed project was deemed the best alternative. ☐ Yes ☒ No

This is an emergency project. No formal engineering investigation/review was conducted. ☒ Yes ☐ No

Is the project creating, enhancing, or in compliance with a regionalization plan? ☐ Yes ☒ No

Please explain below:

What percentage of your existing water/sewer system connections will benefit from this project? 100%

If the project results in additional water supply will more than 25% of the new water be devoted to commercial or industrial users? ☒ Yes ☐ No

If Yes, please provide details.

This project is needed to repair an irrigation system that provides water to ranchers and farmers.

Describe the extent to which private developers or subdividers will benefit from the project.

N/A - no developers or subdividers will benefit from the project. Just the members of the Goshen Irrigation District and the Gerring-Ft. Laramie Irrigation District will directly benefit from this project.

PROJECT TIMELINE

Task	Date	Actual/Estimate
Design Project	Currently	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimate
Contract documents submitted to SRF Staff for approval	Emergency	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimate
Apply for DEQ Permit to Construct	Emergency	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimate
All permits, easements, Right of Ways approved or finalized/signed	Have	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimate
Publish call for bids approved by SRF Staff	Emergency	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimate
Construction start date	07/17/19	<input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimate
Substantial completion date	??	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Estimate
Construction end date	??	<input type="checkbox"/> Actual <input type="checkbox"/> Estimate

Applicant: Goshen Irrigation District

Project Name: Emergency Tunnel and Canal Repair

Which program are funds being requested from? ☒ CWSRF ☐ DWSRF

SRF Loan (Core Program 2.5% Interest) amount requesting: \$0

SRF Loan (Green Project 0% Interest) amount requesting: \$4,000,000

Is Principal forgiveness being requested: ☒ Yes ☐ No

Amount of Principal Forgiveness will be determined by SRF staff based on the established criteria and available funds

If there is not any Principal Forgiveness available, do you still want to move forward with the loan? ☒ Yes ☐ No

List all other project funding sources individually. Supporting documents should be attached such as Award Letters.

Funding Source	Loan Amount	Grant Amount	Funding Status
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending
			<input type="checkbox"/> Awarded <input type="checkbox"/> Pending

Total SRF Funding Requested: \$4,000,000
Auto calculates

Other Source of Project Funding: \$0
Auto calculates

Total Project Funding: \$4,000,000
Auto calculates

Applicant: Goshen Irrigation District
Project Name: Emergency Tunnel and Canal Repair

Water/Sewer System Utilization:
 ☐ Water
 ☐ Sewer

	Annual Usage (Gallons)	% of Total Usage	Annual Revenue (\$)	% of Total Revenue
Residential				
Commercial				
Other				
Total	0	0	0	0

Number of Residential Connections:
 Number of Commercial Connections:
 Number of Other Connections:
 Total Number Current Connections:
 Water Meters in Use? ☐ Yes ☐ No
 Water/Sewer Rate Effective date:
 Are rates scheduled to be increased? ☐ Yes ☐ No
 If yes, date of expected rate increase

Residential Rate Structure:

Base Rate For up to: gallons
 Overage Block 1 per gallons
 Overage Block 2 per gallons
 Overage Block 3 per gallons
 Overage Block 4 per gallons
 Overage Block 5 per gallons

Commercial Rate Structure:

Base Rate For up to: gallons
 Overage Block 1 per gallons
 Overage Block 2 per gallons
 Overage Block 3 per gallons
 Overage Block 4 per gallons
 Overage Block 5 per gallons

Other Rate Structure:

Base Rate For up to: gallons
 Overage Block 1 per gallons
 Overage Block 2 per gallons
 Overage Block 3 per gallons
 Overage Block 4 per gallons
 Overage Block 5 per gallons

Applicable Engineer's rate study reports attached? ☐ Yes ☐ No

Applicant: Goshen Irrigation District

Project Name: Emergency Tunnel and Canal Repair

Financial Information

List Outstanding Debt/Lease/Bond (if any), being paid from the same revenue source associated with this proposed loan.

Lender	Current Balance	Payment Amount	Interest rate	Payment Frequency	Maturity date or Years remaining
No debt					

Is there actual or potential financial impact on the applicant from litigation? ☐ Yes ☒ No

If yes, please describe below:

At this time no, we are a special district and the potential for litigation is limited as we are covered by the governmental immunity.

Are there any contractual agreements with other entities, that may have an impact on the repayment of the loan? ☒ Yes ☐ No

If yes, please describe below and include copies of the agreements if applicable.

Yes, Gerring-Ft. Laramie Irrigation District. We will enter into an agreement with them which will require them to pay 51% of the annual payment.

Provide one copy of the last three years of financial statements; preferably prepared by an independent auditor/CPA.

These can be submitted on a thumb drive or as hard copies.

If the current year is not available, please explain why.

Detail in the table below the type of financial statement you are submitting, the fiscal year it covers as well as whether it is a hard copy or on a thumb drive.

Note: If an independent audit has not been performed, then the loan applicant should submit the last three years of Financial Forms used by the Wyoming Department of Audit (Survey of Local Government Finances F-32 and F-66WY4 for Special Districts, Annual City and Town Financial Report F-66WY2 for Cities and Towns).

Submitted (Audit, F-32.F- 66WT4, or F66WY2)	Year	Hard Copy	Thumb Drive
audit	2016	x	
audit	2017	x	
audit	2018	x	

If current year's financial statements are not available, explain below.

Submit one copy of the approved current annual budget and next year's budget when approved.

	Year	Hard Copy	Thumb Drive
Current Budget			
Next Budget			

Describe/list the repayment source(s) for the loan:

Assessments will be the source of repayment.

If property assessments will be the repayment source, complete the following table

Fiscal Year	2016	2017	2018
Property Assessments Collected	\$1,412,132.00	\$1,422,494.00	\$1,447,180.00
Property Assessments Levied	\$1,421,919.70	\$1,447,770.02	\$1,473,961.08

Provide a letter from the County Assessor with dollar amount of the assessment being collected and assessor's list of properties being assessed.

Supporting assessment documentation attached:

☒Yes

☐No

Applicants must provide a spreadsheet/schedule for the projected revenues and expenses for the dedicated source of repayment for the "term of the loan". Which may include: increased user fees/tap fees, new hookup fees, and/or tax levies etc. Adjust the spreadsheet as necessary to reflect the projected revenues and expenses for the term of the SRF loan.

Revenue:	Current year budget	Year 2 Projected	Year 3	Year 4	Year 5 etc
Beginning cash on hand	\$0.00	\$262,420.00	\$0.00	\$0.00	\$0.00
Assessments	\$1,762,888.00	\$1,951,229.00	\$1,980,138.00	\$2,009,624.00	\$2,039,700.00
Unmetered Sewer/Water Revenue					
Metered Sewer/Water Revenue					
Other Revenue	\$844,097.00	\$860,978.94	\$878,198.52	\$895,762.49	\$913,677.74
Total Revenue	\$2,606,985.00	\$3,074,627.94	\$2,858,336.52	\$2,905,386.49	\$2,953,377.74

Expenses:	Current year budget	Year 2 Projected	Year 3	Year 4	Year 5 etc
O & M expenses	\$1,271,565.00	\$1,296,996.30	\$1,322,936.23	\$1,349,394.95	\$1,376,382.85
Salaries and Wages	\$1,073,000.00	\$1,094,460.00	\$1,116,349.20	\$1,138,676.18	\$1,161,449.71
Purchased Water					
Purchased Power					
Current Debt payments					
New CW or DW debt payment		\$262,420.00	\$262,420.00	\$262,420.00	\$262,420.00
Total Expenses	\$2,344,565.00	\$2,653,876.30	\$2,701,705.43	\$2,750,491.13	\$2,800,252.56
Ending cash on hand	\$262,420.00	\$420,751.64	\$156,631.09	\$154,895.35	\$153,125.18

Estimated Project Budget Table By Funding Source

Completed By: GID Completed For: GID

Activity Costs:	Funding Source: CWSRF	Funding Source:	Funding Source:	Funding Source:	Total
Administration					\$0
Legal					\$0
Land Acquisition					\$0
Engineering- Basic					\$0
Engineering- Resident Project Rep. Services					\$0
Engineering- Additional Services					\$0
Construction	3,504,823				\$3,504,823
Contingency	482,000				\$482,000
Total Project Costs	\$3,986,823	\$0	\$0	\$0	\$3,986,823
Funding Source Percentage By Project Costs	100%	0%	0%	0%	100%

Applicant: Goshen Irrigation District

Project Name: Emergency Tunnel and Canal Repair

Environmental Review

Agency	Date Review Requested	Date Clearance Received
Archeological and Historic Preservation Act		
Protection of Wetlands		
Farmland Protection Policy Act		
Endangered Species Act		
Clean Air Act		
Greater Sage-Grouse Core Area Protection		
Other		
Other		

Submit the following items which are due 45 days prior to the SLIB meeting:

- 1) Environmental assessment report.
 - 2) Affidavit of Publication- Findings of No Significant Impact (FONSI)
- ** The FONSI notice must be pre-approved by DEQ prior to publication.**

OR:

- 1) Affidavit of Publication-Categorical Exclusion (CAT EX)
- ** The CAT EX notice must be pre-approved by DEQ prior to publication.**

Please use the space below to detail any issues or problems we should be aware of.

Applicant: 0

Project Name: 0

Public Meeting

Enter the date public hearing was held for local participation/review of proposed project which included presentation of project alternatives. **The public meeting notice must be pre-approved by DEQ prior to publication.**

Public meeting date:

- Submit a copy of the following items with your application
- 1) A copy of the mandatory public hearing publication notice.
 - 2) Signed copy of minutes from public hearing

If at the time of submitting this application you have not held a public meeting, please explain why you haven't and when you will have the required public meeting

Applicant Goshen Irrigation District

Project Name Emergency Tunnel and Canal Repair

Project Categories

Please provide the percentage or proportionate cost of the project for each project category below

	%	Dollars
Secondary Treatment	0%	
Advanced Treatment	0%	
Infiltra/Inflow Correction	0%	
Major Sewer Rehabilitation	0%	
New Collectors	0%	
New Interceptors	0%	
Corrections of Combined Sewer Overflows	0%	
Storm Sewers	0%	
Nonpoint Source	100%	\$4,000,000
Other	0%	

Total SRF Funding: \$

\$4,000,000

Auto Calculate

Emergency Tunnel 2 Repair/ Canal Breach

- At 1am on July 17th an alarm on the SCADA system alerted GID of a high water at 13.5 check on the Fort Laramie Canal.
- Manager Rob Posten responded and discovered that Tunnel 2 had collapsed and a 300-400 yard breach in the Fort Laramie Canal due to that collapse.
- The canal was shut down at Whalen Dam and calls went out to emergency agencies.
- The next several days were spent meeting with both board of GID and GFLID.
- Contractors were asked to come in and assess what the options they could give us for emergency repairs and long term.
- This catastrophic disaster affected over 104,000 acres of irrigated farm land in the Platte River Valley.
- The economic loss could reach over 80 million.
- The area was accessed by the BOR and many government agencies and officials, State of Wyoming Executive Department Executive Order issued a DECLARATION OF EMERGENCY
- The Districts crew and operator are working on site to prep and safeguard the area for construction to begin. Russell Excavation has been hired to head up the canal breach and SAK Construction, LLC for the Tunnel 2 repair.
- They are confident that the Tunnel and Canal Bank can be restored in three to four weeks. This area will have some crop loss, but we feel the benefits of emergency repair will be huge.

Resolution No. _____

Entitled: A RESOLUTION AUTHORIZING SUBMISSION OF AN APPLICATION TO THE STATE
LOAN AND INVESTMENT BOARD FOR A LOAN THROUGH THE STATE REVOLVING FUND ON
BEHALF OF THE GOVERNING BODY FOR THE

GOSHEN IRRIGATION DISTRICT

(NAME OF APPLICANT)

FOR THE PURPOSE OF

Emergency Tunnel 2 Repair/Canal Breach

(STATE TITLE AND PURPOSE OF PROJECT)

WITNESSETH

WHEREAS, the Governing Body for the

GOSHEN IRRIGATION DISTRICT

(Title)

desires to participate in the State Revolving Fund program to assist in financing this project; and

WHEREAS, the Governing Body for the

GOSHEN IRRIGATION DISTRICT

(Title)

recognized the need for the project; and

WHEREAS, the STATE REVOLVING FUND program required that certain criteria be met, as
described in the State Loan and Investment Board's Rules and Regulations governing the program,
and to the best of our knowledge this application meets those criteria; and

WHEREAS, the Governing Body of the

GOSHEN IRRIGATION DISTRICT

(Title)

plans to repay the requested STATE REVOLVING FUND LOAN from the following source(s)
(DESCRIBE THE SOURCE OF ALL REPAYMENT FUNDS):

Member Assessments, Grants and other revenue sources

and

NOW, THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE
GOSHEN IRRIGATION DISTRICT

that a loan application in the amount of **\$4,000,000**

State Loan and Investment Board for consideration at the State Loan and Investment Board meeting
to assist in funding

Emergency Tunnel #2 Repair & Canal

(Name of project)

BE IT FURTHER RESOLVED, that

Robert Coxbill, President

(Name and title of person(s))

are hereby designated as the authorized representatives of the

GOSHEN IRRIGATION DISTRICT

(Title)

to act on behalf of the Governing Body on all matters relating to this loan application

PASSED, APPROVED AND ADOPTED THIS

14th day of 2019.

Signature

Robert Coxbill

Printed

Robert Coxbill

(Name & Title)

Attest:

Signature

Rob Posten

Printed

Rob Posten, Manager

(Name & Title)

- Ta** **Arikaree Formation (lower Miocene/Oligocene)**—Light-gray to buff, fine-grained poorly bedded sandstone containing abundant magnetite grains; some siltstone, limestone, and tuff; lenticular conglomerate near base; thickness 0 to 705 feet (0 to 215 m)
- Qal** **Sand and loess (Holocene)**—Fine-grained residual sand and loess; thickness from 0 to 40 feet (0 to 12 m)
- Qt** **Terrace gravels (Holocene and Pleistocene)**—Pebble, cobble, and boulder deposits containing some silt, fine-grained sand, lenses of bentonitic clay, and locally some ash beds; thickness 0 to greater than 210 feet (64 m) on the highest terrace levels (Rapp and others, 1957)

While the cause of the collapse is currently unknown, it is possible that a void or voids behind the tunnel lining had been forming long before the collapse. Possible causes of void formation include piping from water leakage through the lining and over-excavation during the original construction. If caused by leakage from the tunnel, the voids would most likely have formed outside the timber supports near the bottom of the invert elevation of the tunnel. If caused by the original excavation, the voids most likely would have formed near the tunnel crown. In either case, voids tend to migrate upward over time as material falls out of the top of the voids and accumulates in the bottom. This process can be accelerated if the fallen material is regularly removed from the bottom of the voids by water flowing back into the tunnel.

Based on the size and shape of the penetration through the lining aligned with the north sinkhole, it appears that the collapses may have been caused by dynamic failure of the ground falling through a void and impacting the back of the concrete lining. The extent of damage associated with the southern sinkhole is unknown. The structural condition of the lining outside the sinkhole locations is also unknown. Furthermore, it is unknown if additional voids exist or if the collapse process completely filled all void spaces.

Probing/grouting

Tunnel linings support the ground around the tunnel by transferring ground loads in compression and flexure to the ground beside and below the opening. Voids behind the lining can result in loss of ground support, particularly in the side walls, causing lining deformation or collapse. Furthermore, voids typically cause uneven loading of ground support elements, making it is crucial to locate and mitigate any voids prior to exposing workers to unknown lining conditions. Probe hole drilling and grouting will be utilized to both discover and fill any existing voids. Starting 50 ft from either portal, a set of four to five small holes will be made through the existing concrete lining and timber supports. Core drilling may also be used to probe behind the timber lining. The holes will be at least two-inch diameter and created with coring methods. Although direct observation of void space through the core holes is possible, the main intent of the holes is to provide access to pump grout to fill any void space encountered.

At each grout/probe hole cellular, neat cement, or flyash grout will be pumped at up to 15 psi. Grout pressures are typically selected to overcome soil and groundwater pressure to push grout out into nearby voids. As a general rule of thumb, $\frac{1}{2}$ psi per foot of soil is used as a starting point. In this case, it is assumed that voids could be as high as 30 ft above the tunnel. Maximum grouting pressure may be reduced if necessary to prevent leaking into damaged areas of the concrete lining.

CONTACT & BACKFILL GROUTING

In order to provide a safe workspace for employees, Contact and/or Backfill grouting behind the cast-in-place concrete lining is required. The object is to ensure a minimum of unequal loading exists on the existing concrete tunnel.

- A. The work includes, but is not limited to, drilling grout/probe holes, installing packers, furnishing grout, injecting grout, repairing the cored holes, cleanup and disposal of excess grout.
- B. Grouting will be performed in a systematic manner at locations determined by the engineer.
 - 1. Generally, coring of 2.5" to 3.5" diameter holes will begin approximately 50 feet from the tunnel entrance and continue increments of 50 feet to 100 feet as existing conditions dictate.
 - 2. Core holes will fully penetrate the existing concrete tunnel liner and will be located near the 8, 11, 1, and 4 o'clock positions around the tunnel perimeter. Locations will be adjusted as required by conditions encountered and/or engineer's recommendation.
 - 3. The core holes may be used to further drill probe holes extending up to 5 feet above the tunnel in an effort to locate any existing voids above the crown of the tunnel.
- C. Steel packers with valves will be installed in the core holes.
- D. Grout will be supplied by ready mix trucks and pumped through the packers into any existing voids outside the concrete tunnel liner.
- E. Grout Pressure outside the concrete liner will be held to a maximum of 15 psi, unless conditions encountered and engineer dictate otherwise.
- F. Core holes in the existing concrete tunnel liner will be repaired by filling with a non-corrosive, non-shrink, quick set grout mix.
- G. Coring and Grouting Supervisor will have a minimum of 20 years of experience in all aspects of tunnel and shaft construction, including contact and backfill grouting.
- H. Contact and Backfill Grouting may be utilized in the collapsed area as steel tunnel supports are installed.
- I. Coring and grouting records will include:
 - 1. Personnel present during the work shift including name and role.
 - 2. Hours worked and general summary of activities.
 - 3. Drilling logs for each grout hole, including hole identification, depth of hole, water inflows, and depth of any voids encountered.
 - 4. Grout mix, volume of grout pumped and pressure gauge readings with respect to time.

**ENGINEER'S STATEMENT OF FEASIBILITY
TUNNEL #2 AND CANAL BREACH EMERGENCY REPAIR PROJECT
GOSHEN IRRIGATION DISTRICT, TORRINGTON, WYOMING**

Submitted To:

**Sheila Palmer
Mineral Royalty Grant
State of Wyoming
State Land and Investment**

Submitted By:

**Bradley A. Anderson, P.E.
Anderson Consulting Engineers, Inc.
375 E. Horsetooth Road, Building 5
Fort Collins, Colorado 80525**

July 24, 2019



I. Statement of the Existing Problem and Impacts

Information in this Engineer's Statement of Feasibility is intended to support a request for funding an emergency repair of irrigation facilities associated with the Goshen Irrigation District in Torrington, Wyoming. The damaged irrigation facilities include a tunnel (2000 feet in length and 14 feet in diameter) and a breach of the irrigation canal in close proximity to the tunnel.

During the early morning of July 17, 2019, the tunnel partially collapsed resulting in a complete blockage of the tunnel and two large sinkholes at the ground surface above the tunnel. The collapse of the tunnel resulted in the plugging of the tunnel with soil, rock and concrete. Plugging of the tunnel resulted in a breach of the upstream irrigation canal and impact to property owners east of the canal. At the time of the tunnel failure, the canal was conveying in excess of 1,300 cfs.

The damaged irrigation facilities provide water for over 100,000 acres of irrigated land. An emergency repair is required to salvage the remainder of the irrigation season and minimize the loss of crop production during the completion of the repairs. Assuming 3 weeks to complete the repairs, it is estimated that the impact to the landowners will be reflected in a loss of 30% to 40% in the value received from the crops irrigated by the canal. However, it is equally important to recognize the benefit of completion of the emergency repairs. These repairs will result in salvaging 60% to 70% of the crop value during this irrigation season. In addition, the late season water will benefit the landowners by providing water to increase soil moisture and the beginning of the 2020 irrigation season.

II. Summary of Emergency Repairs

Several alternatives have been identified and evaluated to mitigate the repair of the damages to the tunnel and the irrigation canal. Following the evaluation, the most feasible repairs were identified and are briefly described below.

1. **Contact and BackFill Grouting in the Tunnel:** This repair involves contact and/or backfill grouting behind the existing, cast-in-place concrete lining. The objective is to minimize the potential for unequal loading that presently exists on the existing concrete lining. This work will include, but not be limited to the following:

Drilling grout/probe holes, installing packers, furnishing grout, injecting grout, repairing the cored holes, and cleanup and disposal of excess grout. Grouting will be performed in a systematic manner at locations determined by the geotechnical engineer. Steel packers with valves will be installed in the core holes. Grout will be supplied by concrete trucks and pumped through the

packers into any existing voids outside the concrete tunnel liner. Grout pressure outside the concrete liner will be held to a maximum of 15 psi unless conditions encountered and/or the geotechnical engineer dictate otherwise. Core holes in the existing concrete tunnel liner will be repaired by filling with a non-corrosive, non-shrink, quick set grout mix. Contact and backfill grouting may also be utilized in the collapsed area as steel tunnel supports are installed. Installation of the steel tunnel supports are described below.

2. Temporary Tunnel Support: Steel ribs and wood lagging material will be installed within the existing, cast-in-place concrete lining as required. The objective is to ensure adequate ground support exists for safe excavation in the collapsed zone of the concrete tunnel. The work will include, but is not limited to the following:

Installing steel ribs, wood lagging, spiling and other support items. Steel support ribs will be installed in a systematic manner. Steel rib installation will begin near the location of the first collapse. Ribs will be installed on approximately 4-foot spacing unless encountered structural conditions dictate otherwise. Tie rods and spacers will be utilized to assist in assembly and erection of the next steel section. Wood lagging material will be installed between two steel ribs. The completed assembly is considered a "set" of ground support. Steel ribs will be welded, blocked, or otherwise supported off the existing concrete tunnel liner or previously installed steel sets. Mine straps, or other steel members, may be utilized for additional support in the tunnel as necessary. Excavation of collapsed material in the tunnel will include: (a) installation of wood or steel spiling above the steel sets for temporary support of loose ground above the tunnel; and (b) excavation of collapsed material in the tunnel until sufficient space is available to install the next set of steel ribs. This process will be repeated throughout the collapsed zone within the tunnel. Contact of backfill grouting may be utilized in the collapsed area as conditions dictate.

Illustrations of the typical tunnel support section and the tunnel support profile are provided in Figures T-1 and T-2.

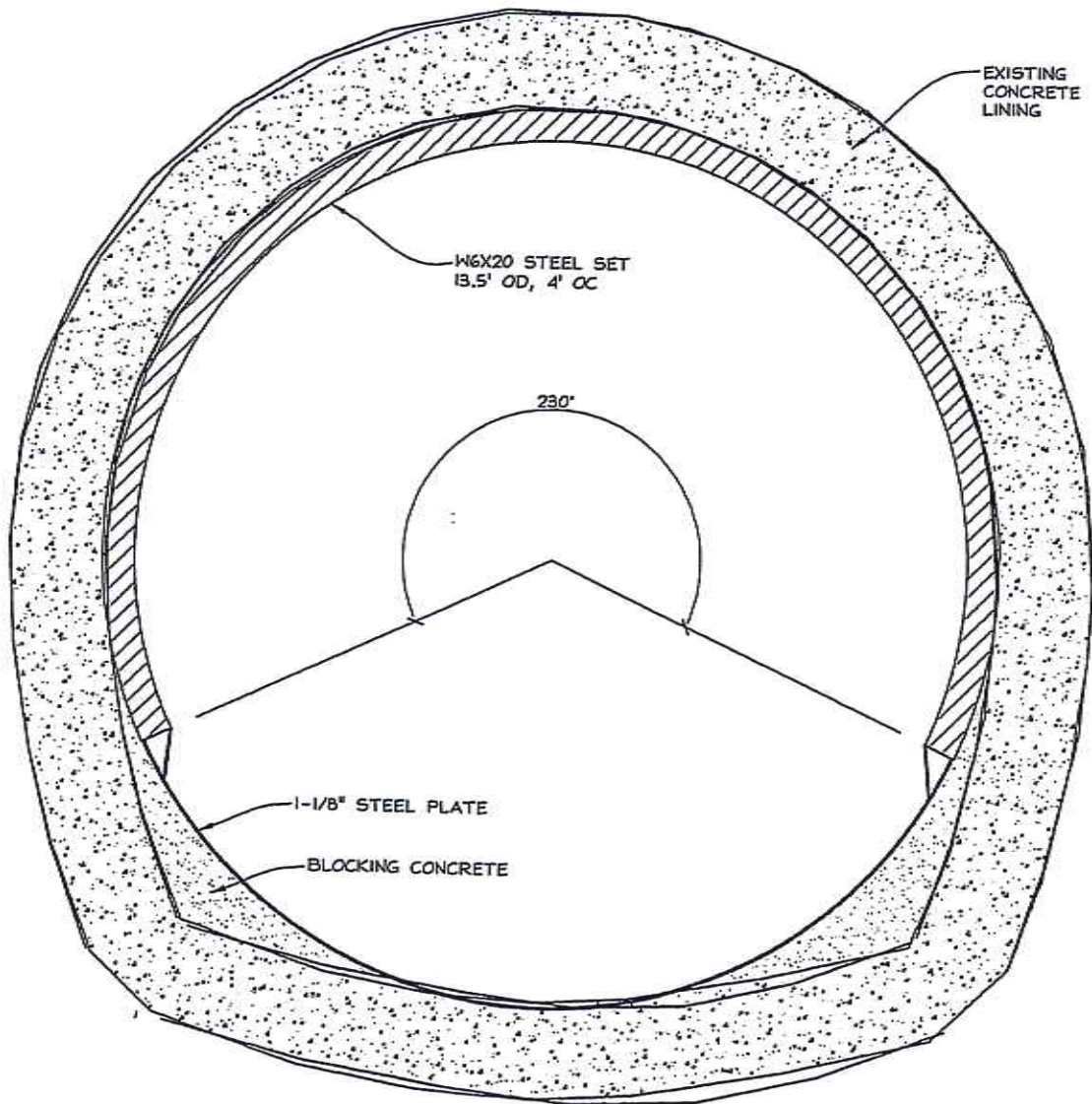
3. Repair of the Canal Breach: This work will involve clearing and grubbing of the canal bank in the location of the breach, additional excavation in the undisturbed canal bank to create a stable/compacted surface to the existing canal bank, placement of 6-inch lifts of material compacted to 95% of standard proctor, and required slope protection along the canal bank as required.

III. Summary of Estimated Costs for Emergency Repairs

The cost estimate for repair of the existing concrete tunnel was provided by SAK Construction, LLC. The project costs for this portion of the emergency repairs is estimated to be \$2,847,179. The cost estimate for repair of the canal breach upstream of the tunnel was provided by Russell's Excavation. The project costs for this portion of the emergency repairs is estimated to be \$350,000. Consequently, the total cost of the emergency repairs to the irrigation facilities become \$3,197,180.

IV. Statement of Feasibility

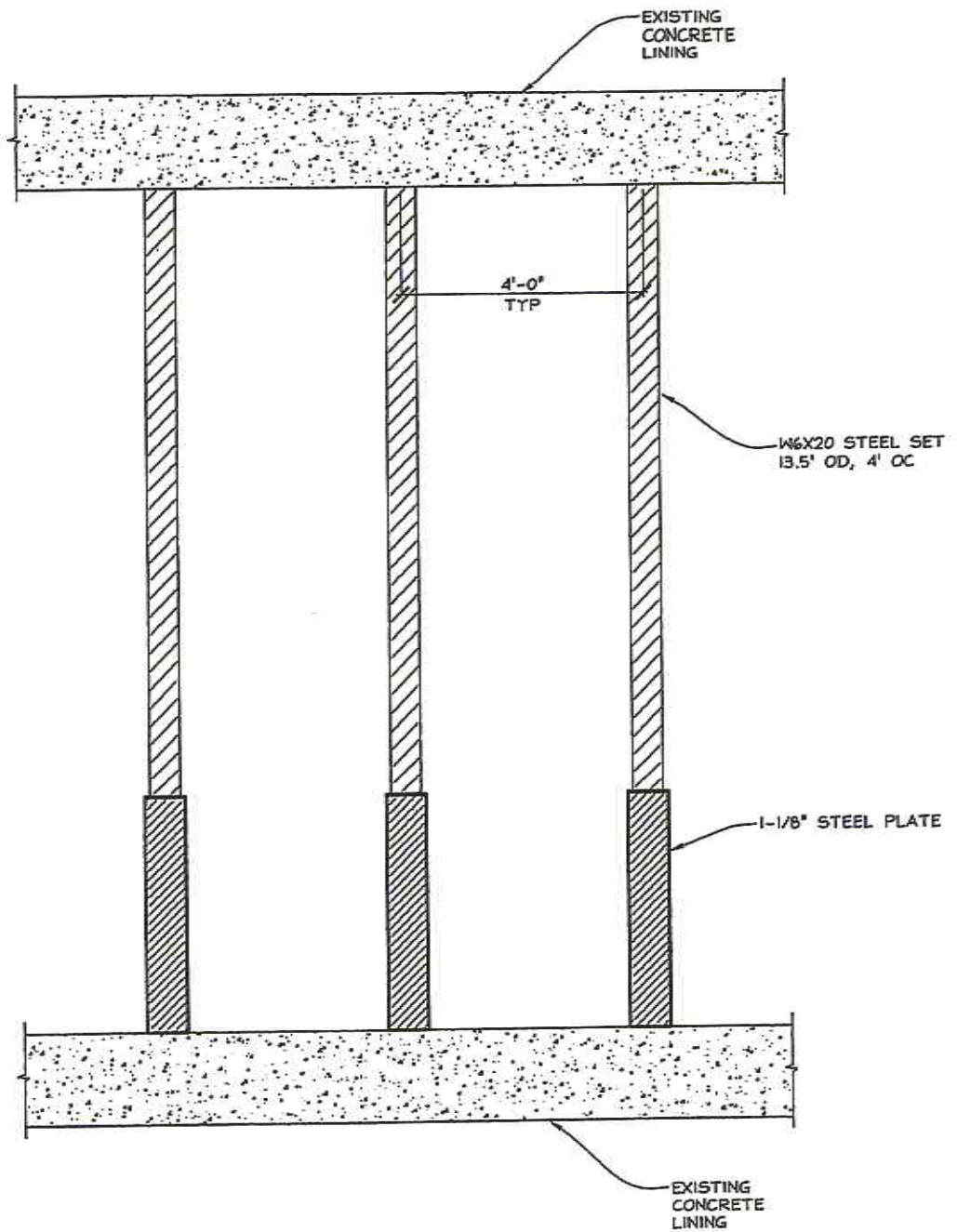
Based on meetings and discussion with representatives of the construction companies, irrigation district board members and staff, as well as addition review of pertinent information related to the repair alternative, the emergency repairs appear to be feasible and the associated cost estimates reasonable.



SCALE: 3/8" = 1'-0"

1' 0 1' 2'

SAK CONSTRUCTION	BRIERLEY ASSOCIATES <i>Creating Space Underground</i> 990 SOUTH BROADWAY, SUITE 222, DENVER, CO 80209 303.703.1405 FAX 303.703.1404			FT LARAMIE CANAL TUNNEL COLLAPSE MITIGATION TYP TUNNEL SUPPORT SECTION		SHEET T-1 DRAWING NO. 1_OF_2 REVISION R0
DESIGNED RB	CHECKED BZ	DRAWN BZ		DATE 7-24-19	PROJECT 519059-000	



SCALE: 3/8" = 1'-0"

CREDIT SAK CONSTRUCTION	BRIERLEY ASSOCIATES <i>Creating Space Underground</i> 990 SOUTH BROADWAY, SUITE 222, DENVER, CO 80209 303.703.1405 FAX 303.703.1404			FT LARAMIE CANAL TUNNEL COLLAPSE MITIGATION TYP TUNNEL SUPPORT PROFILE		SHEET T-2
						DRAWING NO. 2_OF_2 REVISION R0
	DESIGNED RB	CHECKED BZ	DRAWN BZ	DATE	7-24-19	PROJECT 519059-000

Russell's Excavation

PO Box 139
Morrill Ne. 69358
308-631-3171

July 23, 2019

To: Goshen Irrigation District/
Gering Ft. Laramie District

To Whom It May Concern:

This is a Summary of the estimated time & materials to repair the canal bank on the Fort Laramie Canal.

Labor	100,000.00
Equipment	150,000.00
Materials/Rentals,	65,000.00
Contingency	50,000.00
Estimated Project Costs	350,000.00

Sincerely



Russell Reisig



SAK™

Pipeline Infrastructure. Solved.™

636.385.1000 tel/
636.385.1100 fax
864 Hoff Road
O'Fallon, MO 63366
www.sakcon.com

July 24, 2019

To: Goshen Irrigation District/
Gering Ft. Laramie District

Re: Tunnel 2 Rehab., contract #1

To Whom it May Concern:

The following is a summary of the estimated Time & Material costs required to attempt to clean out and install tunnel shoring within the collapsed section of Tunnel 2 in order to restore irrigation flows to the downstream farmland. Based on the unknowns regarding the tunnel collapse, this is an estimate only and no guarantee is given that we will be successful in our restoration attempt. The costs cover the initial temporary fix and may change up or down depending on the severity of the collapse. Additional cost estimates will be forwarded to cover those costs required to make a final, long term repair to the subject tunnel.

Cost Summary: (Note: all costs include markups as discussed)

Labor	\$ 1,290,000
Equipment (includes operating expense)	\$ 280,000
Materials/subcontracts/consulting	\$ 398,000
Contingency	\$ 432,000
Estimated Project Costs	\$ 2,400,000

If you have any questions or concerns, please feel free to contact me at any time. We appreciate the opportunity to work for the Irrigation districts.

Regards,

James Byrd

Digitally signed by James Byrd
DN: cn=James Byrd, o=SAK
Construction, LLC, ou,
email=jbyrd@sakcon.com, c=US
Date: 2019.07.24 17:13:46 -05'00'

SAK Construction, LLC
James Byrd, Underground Operations Manager

TO:

Goshen Irrigation District
Gering Ft. Laramie District

SAK Construction, LLC

864 Hoff Road
O'Fallon, MO 63366
Phone 636-385-1000

ESTIMATE # 1
INVOICE # 19377
JOB # 19065
WORK COMPLETED THRU: 07/23/19
INVOICE DATE: 07/23/19

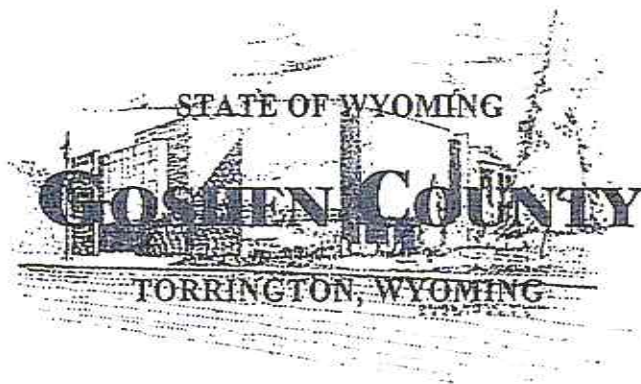
PROJECT: Tunnel 2 Rehab, Contract #1

ITEM NO	DESCRIPTION	CONTRACT		COMPLETED THIS PERIOD			COMPLETED-TO-DATE		
		QUANTITY	UNIT PRICE	QUANTITY	%	AMOUNT	QUANTITY	%	AMOUNT
01	Mobilization	1 EA	300,000.00 EA	1 EA		300,000.00	1 EA		300,000.00
02	100 LF of 126" Hobas pipe	100 LF	1,338.00 LF	100 LF		133,800.00	100 LF		133,800.00
03	Markup 10%	1 EA	13,380.00 EA	1 EA		13,380.00	1 EA		13,380.00
		EA	0.00 EA	EA		0.00	EA		0.00
		EA	0.00 EA	EA		0.00	EA		0.00

TOTAL CONTRACT:	\$447,180.00	EARNED THIS PERIOD:	\$447,180.00	EARNED TO DATE:	\$447,180.00
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WIRING INSTRUCTIONS:
BANK: BMO HARRIS
ACCOUNT: 3987559
ROUTING: 71000288

P.O. Box 160
Torrington, WY 82240



Phone (307) 532-4051
Fax (307) 532-7375

Wyoming State Loan and Investment Board
Herschler Building 1E
122 West 25th St.
Cheyenne, WY 82002

Dear Director Scoggin:

This letter accompanies the emergency grant application resubmitted by Goshen Irrigation District.

The state of emergency that exists in Goshen County will be far reaching. Irrigation Districts promote the public welfare by reclaiming and irrigating lands. The benefit is not only felt by the individuals within the district, but by our entire State. This disaster encompasses 53,000 acres of fertile and productive land. A great perspective of the space is to envision 82 square miles. Losses will be catastrophic in Goshen County.

The Goshen County Board of County Commissioners believe the Goshen Irrigation District (GID) project is a necessary undertaking. Governor Gordon has declared a state of emergency so Goshen County may more easily obtain aid. We hope federal partners will engage with the State and our County to provide resources for temporary and long term repairs.

This Commission is resolute in standing behind the efforts to repair the canal and tunnel. We understand this disaster is uniquely challenging to cure. The State, County, and Federal governments are involved. Goshen County will submit the grant application instead of GID if the Board so recommends.

We are thankful for the swift response and support of Governor Gordon and the State agencies.

Sincerely,


John Ellis, Chairman Goshen County BOCC





POINTS WEST

Community Bank

PO BOX 730 2234 MAIN STREET TORRINGTON, WY 82240 307.532.2173

August 5, 2019

State Land and Investment Board
Herschler Building, 1E
122 West 25th Street
Cheyenne, WY 82002

Members of the Board and Staff:

The situation with the Goshen Irrigation District's tunnel and canal that provide irrigation water to 102,000 acres in Wyoming and Nebraska is a disaster that affects almost every resident of our county. We pride ourselves on the fact that we are the number one agricultural producing county in the state and that production is what feeds us all.

I will give you my quick down and dirty of how this plays out for Goshen County. There are approximately 52,900 acres in Goshen County that are affected by this disaster. A very conservative estimate of the lost revenue per acre for the crops would be in the range of \$650 per acre. Again, that is a very conservative estimate with no water and a complete loss. With 52,900 acres losing that amount per acre, we would have a loss of \$34,385,000. Multiply that loss of revenue by 7 which is the economic factor for the loss of revenue to the whole county and we have an amount of \$240,695,000. For a small rural county that is a staggering loss and one that will be hard for everyone involved to bear. All the money has already been spent on the production of this year's crop, so there is really no money to be saved anywhere, just a huge loss to be dealt with. This is a worst case scenario and there will be some crops to salvage, if half is able to be salvaged, we would still have an economic effect of over \$120,000,000. Everyone will suffer from the lack of revenue that is normally passed around to all of the businesses involved or associated with agriculture and that is virtually everyone here.

The Goshen Irrigation District and the farmers affected by this disaster are all doing everything they can to find a solution that will somehow minimize the damage to the crops in the field. If they are successful in getting water down the canal this year, which will be a monumental feat, that will still come with great financial expenditure. A permanent solution will still need to be found.

On behalf of all the residents of Goshen County I urge you to find a way to help us avert this disaster and give these good people a chance to survive. They are a great group of people who have put everything they have on the line to pursue this lifestyle and feed our nation. Please give them the consideration they deserve.

Respectfully yours,

Cactus Covello
Regional President



SAK™

Pipeline Infrastructure. Solved.™

636.385.1000 tel
636.385.1100 fax
864 Hoff Road
O'Fallon, MO 63366
www.sakcon.com

July 24, 2019

To: Goshen Irrigation District/
Gering Ft. Laramie District

Re: Tunnel 2 Rehab., contract #1

To Whom it May Concern:

The following is a summary of the estimated Time & Material costs required to attempt to clean out and install tunnel shoring within the collapsed section of Tunnel 2 in order to restore irrigation flows to the downstream farmland. Based on the unknowns regarding the tunnel collapse, this is an estimate only and no guarantee is given that we will be successful in our restoration attempt. The costs cover the initial temporary fix and may change up or down depending on the severity of the collapse. Additional cost estimates will be forwarded to cover those costs required to make a final, long term repair to the subject tunnel.

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Equipment (Includes operating expense)	\$ 280,000
Materials/subcontracts/consulting	\$ 398,000
Contingency	\$ 432,000
Estimated Project Costs	\$ 2,400,000

If you have any questions or concerns, please feel free to contact me at any time. We appreciate the opportunity to work for the Irrigation districts.

Regards,

James Byrd

Digitally signed by James Byrd
DN: cn=James Byrd, o=SAK
Construction, LLC, ou,
email=jbyrd@sakcon.com, c=US
Date: 2019.07.24 17:13:46 -05'00'

SAK Construction, LLC
James Byrd, Underground Operations Manager

1 part of

SAK

Total 2,847,180.00
350,000.00
\$ 3,197,180.00

TO:

Goshen Irrigation District
Gering Ft. Laramie District

SAK Construction, LLC

864 Hoff Road
O'Fallon, MO 63366
Phone 636-385-1000

ESTIMATE # 1
INVOICE # 19377
JOB # 19065
WORK COMPLETED THRU: 07/23/19
INVOICE DATE: 07/23/19

PROJECT: Tunnel 2 Rehab, Contract #1

ITEM NO	DESCRIPTION	CONTRACT		COMPLETED THIS PERIOD			COMPLETED-TO-DATE		
		QUANTITY	UNIT PRICE	QUANTITY	%	AMOUNT	QUANTITY	%	AMOUNT
01	Mobilization	1 EA	300,000.00 EA	1 EA		300,000.00	1 EA		300,000.00
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		EA	0.00 EA	EA		0.00	EA		0.00
		EA	0.00 EA	EA		0.00	EA		0.00

TOTAL CONTRACT:	\$447,180.00	EARNED THIS PERIOD:	\$447,180.00	EARNED TO DATE:	\$447,180.00
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WIRING INSTRUCTIONS:

BANK: BMO HARRIS
ACCOUNT: 3987559
ROUTING: 71000288

2nd part of SAK

Current Payment Due	<u>\$ 770,262.57</u>
---------------------	----------------------

Russell's Excavation

PO Box 139
Morrill Ne. 69358
308-631-3171

July 23, 2019

To: Goshen Irrigation District/
Gering Ft. Laramie District

To Whom It May Concern:

This is a Summary of the estimated time & materials to repair the canal bank on the Fort Laramie Canal.

Labor	100,000.00
Equipment	150,000.00
Materials/Rentals,	65,000.00
Contingency	50,000.00
Estimated Project Costs	350,000.00

Sincerely

A handwritten signature in black ink, appearing to read "Russell Reisig", is written over a large purple oval that encircles the cost breakdown table.

Russell Reisig



149 Pollux Drive
Rock Springs, WY 82901
(307) 382-9664

Date: 08/14/2019

Goshen Irrigation District
Torrington, Wyoming

RE: Emergency Project

To Whom It May Concern:

Below is a cost estimate of work performed and work to be performed on the above-mentioned project.

• Work Performed August 07-13, 2019	\$105,835.00
• Estimate of Work to be Performed August 14-23, 2019	\$220,000.00
• Mobe and Demobe of Equipment	\$ 53,000.00
Estimated Total	\$378,835.00

We appreciate the opportunity to work with you on this project.

Thank you,

Kylie Vasa
Searle Brothers Construction

Searle Brothers Construction Pricing Disclaimer: If production is slowed due to rock, frost, mud, archaeology, or some other unforeseen problem the equipment will be hourly.

Send Payments to:
 David Cole
 P.O. Box 8
 325 S. Iowa Ave.
 Guernsey, WY 82214
 Office (307) 836-3293
 Cell (307) 534-6169
 Email: cole70@embarqmail.com

COLE LUMBER & CONSTRUCTION COMPANY, INC.

Received
 Aug. 9, 1988

Goshen Irrigation District
 2912 W B Street # E
 Torrington WY 82240

INVOICE NO. 1516

INV. DATE: 8-9-19

COUNTY & STATE Goshen	LOCATION Tunnel #2	WELL#
DATE SHIPPED	YOUR ORDER # Tunnel #2	ORDERED BY Gary

FIELD TICKETS	DESCRIPTION	AMOUNT
7-24-19	work on tunnel ends and Haul Gravel.	3870. ⁰⁰
7-25-19	Haul Gravel for Road's to Tunnel #2	5700. ⁰⁰
7-26-19	Haul Gravel for Road's to Tunnel #2	5700. ⁰⁰
7-27-19	Haul Gravel for Road's to tunnel #2	4590. ⁰⁰
7-29-19	Haul Gravel and Shape Road on Canal Bank	3620. ⁰⁰
7-30-19	Push dirt and Gravel Road to Tunnel #2	5960. ⁰⁰
7-31-19	Haul Gravel for Road work on tunnel #2	6575. ⁰⁰
8-1-19	Move dirt Haul Gravel on Tunnel #2	9785. ⁰⁰
8-2-19	Move dirt and Haul Gravel on tunnel #2	9645. ⁰⁰
8-3-19	move dirt out of Tunnel #2	6975. ⁰⁰
8-4-19	move dirt out of Tunnel #2	3725. ⁰⁰
8-5-19	move dirt out of tunnel #2	5250. ⁰⁰
8-6-19	move dirt out and Grade Gravel on Road	5180. ⁰⁰
8-7-19	Move dirt on tunnel #2	2340. ⁰⁰
8-8-19	Move dirt and Equipment back to Guernsey	3950. ⁰⁰
	total	82865. ⁰⁰
	Fuel Billed to GID.	- 10140. ⁰⁰
		<u>72725.⁰⁰</u>

TERMS: NET 30 DAYS

Total Due

NPS Project	Rank	Rank Points	Population	Owner	Description	Amount (\$1,000)	Est Max % Princ Forg	Est Max Princ Forg (\$1,000)	Green Type	Green Amt (\$1,000)
Riverton Stormwater	103	25	10615	Riverton, City of	Stormwater control, urban runoff. Master plan and stormwater system upgrades.	3,000	25%	750		
Laramie Spring Creek Improvements	104	25	30816	Laramie, City of	Flood control, stream stabilization, erosion control, and habitat improvements. Portions may be green eligible.	7,500	25%	1,875	GC	5,000
Laramie Storm Drainage Improvements	105	25	30816	Laramie, City of	Storm drainage improvement project for drainage collection and detention facilities, including water quality enhancements, addressing storm drainage deficiencies and urban runoff within the community.	10,000	25%	2,500	G B	3,000
Casper North Platte Restoration	106	25	55316	Casper, City of	Channel, bank, and floodplain improvements to restore sections of river within Casper to a more natural, stable, and healthy state, using natural channel design concepts.	2,000	25%	500	GC	2,000
Cheyenne Storm Sewers	107	25	59466	Cheyenne, City of	Storm sewer improvements. Alleviation of flooding.	1,500	0%	-		
Goshen County Irrigation Ditch Repairs	108	0	1600	Goshen Irrigation District	Repair collapsed tunnel and irrigation ditch.	30,000	25%	7,500		
Sheridan Emergency Hill Slides	109	0	17444	Sheridan, City of	Stabilize/repair failing slopes. Erosion control.	2,500	25%	625		
Non-point Source Project Totals:						310,765		75,779		15,250

Green Project Types

G = Green Infrastructure

E = Energy Efficiency III. Sewer System Rehabilitation

W = Water Efficiency IVA. New Collector Sewers and Appurtenances

I = Environmentally Innovative IVB. New Interceptor Sewers and Appurtenances

C = Categorically Green Eligible VIA. Storm water Conveyance

B = Business Case Required

**Wyoming CWSRF and DWSRF Programs
Affordability/Disadvantaged Community Criteria**

Entity: Goshen Irrigation District

Points Calculation

<u>Category</u>	<u>Points Awarded</u>
Population trend:	2
Income data:	3
Unemployment data:	1
Total Points	6

Eligible Principal Forgiveness Amount = 75%

**DWSRF Disadvantaged Community Criteria and
CWSRF Principal Forgiveness Eligibility:**

After adding the points for population, income, and unemployment awarded above, communities with 2 or more total points will be considered disadvantaged and will be eligible for principal forgiveness of a percentage of their loan as indicated below.

Total points	Maximum Principal Forgiveness
0 to 1	Not disadvantaged/no principal forgiveness
2 to 3	25%
4 to 5	50%
6 and up	75%

Note- CWSRF is automatically eligible for up to a 30 year loan term and loan term must not exceed the useful life of the project, whichever is less.

Population trend:

The normal trend in Wyoming is for each community to generally stay in the same broad population category defined below from year to year for many years. Points are awarded based on the category that the community was in as of the last decennial census (or other available population data if decennial census data is not available). If a community can show population trend data demonstrating that it has likely dropped to a smaller category since the last decennial census, its points will be adjusted up accordingly. Size categories are based on sizes used by EPA for regulating drinking water systems.

<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml> or

Population	Category	Points
0 to 500	Very Small	3
501 to 3,300	Small	2
3,301 to 10,000	Medium	1
10,001 or greater	Large	0

Entity's Population = 782 = 2 Points

Income data:

Points are awarded based on ratio of the local annual median household income (AMHI) to the State AMHI, using data from the most recently released American Community Survey 5-year estimates. If no data directly corresponding to the community is available, the county AMHI will be used as the default. The community can provide alternate data acceptable to the SRF program, such as an income survey.

<http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml> or

Ratio Local AMHI to State AMHI	Points
Less than 60%	5
Greater than 60% but less than 70%	4
Greater than 70% but less than 80%	3
Greater than 80% but less than 90%	2
Greater than 90% but less than 110%	1
Greater than 110%	0

Entity's AMHI to State's AMHI = 79.46% = 3 Points

Unemployment data:

Points are awarded based on relationship of the local unemployment rate to the state unemployment rate. Unemployment rates will be the average for the most recent year by county as published by the Wyoming Department of Workforce Services.

<http://www.wyomingworkforce.org/> or see below chart

Civilian Labor Force, Employment and Unemployment--by place of residence

County	Labor Force			Employment			Unemployed Number			Unemployment Rate		
	Jun 2019 (p)	May 2019 (r)	Jun 2018 (b)	Jun 2019 (p)	May 2019 (r)	Jun 2018 (b)	Jun 2019 (p)	May 2019 (r)	Jun 2018 (b)	Jun 2019 (p)	May 2019 (r)	Jun 2018 (b)
Albany	19,167	20,490	19,426	18,403	19,879	18,642	764	611	784	4.0	3.0	4.0
Big Horn	5,362	5,085	5,497	5,121	4,880	5,253	241	205	244	4.5	4.0	4.4
Campbell	22,939	22,673	22,844	22,086	21,943	21,871	853	730	973	3.7	3.2	4.3
Carbon	8,120	7,626	8,180	7,847	7,393	7,884	273	233	296	3.4	3.1	3.6
Converse	8,061	7,921	7,599	7,802	7,695	7,311	259	226	288	3.2	2.9	3.8
Crook	3,802	3,529	3,911	3,689	3,425	3,787	113	104	124	3.0	2.9	3.2
Fremont	18,523	18,247	18,993	17,647	17,559	17,993	876	688	1,000	4.7	3.8	5.3
Goshen	6,725	6,482	6,908	6,450	6,248	6,631	275	234	277	4.1	3.6	4.0
Hot Springs	2,277	2,189	2,295	2,193	2,118	2,203	84	71	92	3.7	3.2	4.0
Johnson	4,476	4,170	4,456	4,326	4,034	4,298	150	136	158	3.4	3.3	3.5
Laramie	47,648	47,215	47,609	45,863	45,696	45,691	1,785	1,519	1,918	3.7	3.2	4.0
Lincoln	9,168	8,662	9,279	8,852	8,392	8,942	316	270	337	3.4	3.1	3.6
Natrona	39,073	38,581	38,991	37,427	37,166	37,155	1,646	1,415	1,836	4.2	3.7	4.7
Niobrara	1,287	1,215	1,334	1,244	1,182	1,289	43	33	45	3.3	2.7	3.4
Park	16,646	15,147	17,106	16,042	14,611	16,459	604	536	647	3.6	3.5	3.8
Platte	4,701	4,680	4,951	4,526	4,539	4,768	175	141	183	3.7	3.0	3.7
Sheridan	15,962	15,419	16,070	15,384	14,937	15,452	578	482	618	3.6	3.1	3.8
Sublette	4,392	4,076	4,428	4,207	3,918	4,251	185	158	177	4.2	3.9	4.0
Sweetwater	20,958	20,955	21,046	20,088	20,218	20,113	870	737	933	4.2	3.5	4.4
Teton	16,761	14,460	16,822	16,376	14,029	16,417	385	431	405	2.3	3.0	2.4
Uinta	9,017	8,904	9,059	8,632	8,576	8,646	385	328	413	4.3	3.7	4.6
Washakie	3,997	3,860	4,141	3,825	3,721	3,958	172	139	183	4.3	3.6	4.4
Weston	3,757	3,729	3,760	3,640	3,622	3,621	117	107	139	3.1	2.9	3.7
Statewide	292,818	285,315	294,706	281,669	275,782	282,637	11,149	9,533	12,069	3.8	3.3	4.1
Statewide Seasonally Adjusted										3.5	3.5	4.1
U.S.										3.8	3.4	4.2
U.S. Seasonally Adjusted										3.7	3.6	4.0

(p) Preliminary, (r) Revised, (b) Benchmarked.
Data are not seasonally adjusted except where otherwise specified.
Labor Force = Employment + Unemployment Number
Unemployment Rate = Unemployment Number/Labor Force

Local Unemployment Rate	Points
Less than the state rate	0
Equal to or greater than the state rate	1

State’s Unemployment Rate = 3.5

Entity’s Unemployment Rate = 4.1 = 1 Points

**Preaward Compliance Review Report for
All Applicants and Recipients Requesting EPA Financial Assistance**

Note: Read Instructions before completing form.

I. A. Applicant/Recipient (Name, Address, City, State, Zip Code)

Name:

Address:

City:

State: Zip Code:

B. DUNS No. **II. Is the applicant currently receiving EPA Assistance?** ☐ Yes ☒ No**III. List all civil rights lawsuits and administrative complaints pending against the applicant/recipient that allege discrimination based on race, color, national origin, sex, age, or disability. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)****IV. List all civil rights lawsuits and administrative complaints decided against the applicant/recipient within the last year that allege discrimination based on race, color, national origin, sex, age, or disability and enclose a copy of all decisions. Please describe all corrective actions taken. (Do not include employment complaints not covered by 40 C.F.R. Parts 5 and 7.)****V. List all civil rights compliance reviews of the applicant/recipient conducted by any agency within the last two years and enclose a copy of the review and any decisions, orders, or agreements based on the review. Please describe any corrective action taken. (40 C.F.R. § 7.80(c)(3))****VI. Is the applicant requesting EPA assistance for new construction? If no, proceed to VII; if yes, answer (a) and/or (b) below.**☐ Yes ☒ No**a. If the grant is for new construction, will all new facilities or alterations to existing facilities be designed and constructed to be readily accessible to and usable by persons with disabilities? If yes, proceed to VII; if no, proceed to VI(b).**☐ Yes ☐ No**b. If the grant is for new construction and the new facilities or alterations to existing facilities will not be readily accessible to and usable by persons with disabilities, explain how a regulatory exception (40 C.F.R. 7.70) applies.****VII. Does the applicant/recipient provide initial and continuing notice that it does not discriminate on the basis of race, color, national origin, sex, age, or disability in its program or activities? (40 C.F.R. 5.140 and 7.95)**☒ Yes ☐ No**a. Do the methods of notice accommodate those with impaired vision or hearing?**☐ Yes ☒ No**b. Is the notice posted in a prominent place in the applicant's offices or facilities or, for education programs and activities, in appropriate periodicals and other written communications?**☒ Yes ☐ No**c. Does the notice identify a designated civil rights coordinator?**☐ Yes ☒ No**VIII. Does the applicant/recipient maintain demographic data on the race, color, national origin, sex, age, or handicap of the population it serves? (40 C.F.R. 7.85(a))**☐ Yes ☒ No**IX. Does the applicant/recipient have a policy/procedure for providing access to services for persons with limited English proficiency? (40 C.F.R. Part 7, E.O. 13166)**☐ Yes ☒ No

- X. If the applicant is an education program or activity, or has 15 or more employees, has it designated an employee to coordinate its compliance with 40 C.F.R. Parts 5 and 7? Provide the name, title, position, mailing address, e-mail address, fax number, and telephone number of the designated coordinator.

no

- XI. If the applicant is an education program or activity, or has 15 or more employees, has it adopted grievance procedures that assure the prompt and fair resolution of complaints that allege a violation of 40 C.F.R. Parts 5 and 7? Provide a legal citation or Internet Address for, or a copy of, the procedures.

no

For the Applicant/Recipient

I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law. I assure that I will fully comply with all applicable civil rights statutes and EPA regulations.

A. Signature of Authorized Official



B. Title of Authorized Official

President

C. Date

8/22/2019

For the U.S. Environmental Protection Agency

I have reviewed the information provided by the applicant/recipient and hereby certify that the applicant/recipient has submitted all preaward compliance information required by 40 C.F.R. Parts 5 and 7; that based on the information submitted, this application satisfies the preaward provisions of 40 C.F.R. Parts 5 and 7; and that the applicant has given assurance that it will fully comply with all applicable civil rights statutes and EPA regulations.

A. *Signature of Authorized EPA Official

B. Title of Authorized Official

C. Date



EPA Project Control Number

Washington, DC 20460
**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 judgement 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, forgery, 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 (1)(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 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Goshen Irrigation District by Robert Coxbill President

Typed Name & Title of Authorized Representative


Signature of Authorized Representative

08/22/19

Date

☐ I am unable to certify to the above statements. My explanation is attached.

Certification Statement W.S. 16-6-101 & W.S. 16-6-1001

W.S. § 16-6-101, et seq.

PREFERENCE FOR RESIDENT CONTRACTORS

If advertisement for bids is required, the Contract shall be let to the responsible certified resident making the lowest bid, if the certified resident's bid is not more than five percent (5%) higher than that of the lowest responsible nonresident bidder. "Resident" for this purpose means as defined by W.S. § 16-6-101. A successful resident bidder shall not subcontract more than thirty percent (30%) of the work covered by his contract to nonresident contractors. A resident bidder shall submit a copy of its certificate of residency with its bid.

W.S. § 16-6-1001(2011 Senate File 144)

PREFERENCE FOR RESIDENT DESIGN FIRMS

Applicants must comply with all aspects of W.S. § 16-6-1001, if applicable, including but not limited to submitting a plan that promotes the employment of responsible Wyoming resident design firms, including professional architectural and engineering services in the planning and design phases of facilities funded with monies subject to its provisions. Plans are to be submitted to Governor Matthew H. Mead, Capitol Building, Cheyenne, Wyoming 82002 and the Joint Appropriations Interim Committee, c/o Legislative Service Office, Capitol Building, Cheyenne, Wyoming 82002.

Any funds from the Office of State Lands and Investments for capital construction projects authorized for expenditure during the fiscal biennium ending June 30, 2012, which have not been obligated by contract or designed as of January 17, 2011 must provide the signed statement below to the Office of State Lands and Investments with funding applications and prior to reimbursement of expenditures.

I certify to the best of my knowledge and belief that the Goshen Irrigation District

(City, Town, District)

has complied with W.S. § 16-6-101 and W.S. § 16-6-1001 (2011 Senate File 144) unless otherwise noted below.

1. W.S. § 16-6-1001(a)

- ☒ Complied with W.S. § 16-6-1001(a)
☐ Requested a waiver; attach description and detailed reason
☒ Exempt; attach legal opinion and detailed reason

2. W.S. § 16-6-1001 (b)

- ☒ Plan submitted to Governor's Office (Date submitted: _____)
☒ Exempt; attach legal opinion and detailed reason

3. W.S. § 16-6-101

- ☐ Complied with W.S. § 16-6-101, et. seq
☒ Exempt; attach legal opinion and detailed reason
☐ Project has not been bid but will include standard contract language to comply with W.S. § 16-6-101

Date: 08/22/19



President
Signature

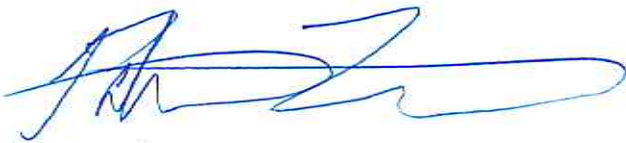
Title

To: SLIB Grant & Loan Division, Wyoming Office of State Land and Investments
From: Patrick Zimmerer, Legal Counsel for GID Board of Commissioners
RE: Certification Statement Exemption

August 27, 2019

Goshen Irrigation District is exempt from the Certification Requirements due to the use of SRF funds which require an open and fair bidding process. Therefore we are requesting an exemption of the requirements of W.S. 16-6-101, and 16-6-1001.

Thanks and let us know if you have any questions.

A handwritten signature in blue ink, appearing to read 'Patrick Zimmerer', with a long horizontal flourish extending to the right.

Patrick Zimmerer

Legal Counsel for Goshen Irrigation District
WY BAR # 6-3888

Items Goshen Irrigation District Will Need Do for Complete Application

1. Get the Districts Engineer to put the Cost and Effectiveness Statement provided on the engineer's letter head and sign. Then send to Bill Tillman and copy to Shawn or Beth for file.
– Signed and Sent to Bill Tillman, 8.27.2019. Scanned and emailed to both of you.
2. EPA and State Certification documents provided. Need to fill out and sign. Mail in the originals. (included with the email)
 - EPA Questions Completed and Sent to You – Via Email and Mailed to Your Office
 - Questions on the State Certification – Emergency Fix didn't allow for Instate certification – please advise.
3. Apply for a DUNS number <https://www.grants.gov/applicants/organization-registration/step-1-obtain-duns-number.html>
078345162
4. Application-On the Financial Information Tab
 - a. Fill Out and Mail- Current and Next Budget
 - * Attached is the 2019-2020 Budget Adopted by the Court. The Amended Budget Reflecting a Special Assessment will be sent upon approval. 2020-2021 Budget will not be completed or finalized until May of 2020.
 - b. Property Assessment Section- We filled out the Assessments collected for 2016, 2017, & 2018 from audited figures. Please fill out the "Property Assessments Levied" for each year. GID assesses the year before it is collected. i.e. 2016 assessments levied are then collected and reflected in the actual collected in 2017.
 - c. County Assessor Letter with dollar amount-Please provide the approved court document once approved with new assessment information in a couple of weeks once process complete. **Provided once we have the Court Approval for the Extra \$5**
 - d. Bottom Section with next 5 Years worth of projections.
We have filled this out – Note we are a cash basis entity, with no holdover or carryovers for each year. Attached at an excel sheet.



ANDERSON CONSULTING ENGINEERS, INC.
Civil • Water Resources • Environmental

August 21, 2019

William Tillman
Wyoming Department of Environmental Quality/Water Quality Division
SRF Project Engineer
DEQ Headquarters
200 West 17th Street
Cheyenne, WY 82002

Re: Cost and Effectiveness Analysis Certification for CWSRF Funding

Dear Mr. Tillman:

I certify that we have studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed Goshen Irrigation District Emergency Tunnel and Canal Repair project for which SRF assistance is sought and that we have selected, to the maximum extent practicable, a project that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account the cost of constructing the project, the cost of operating and maintaining the project over the life of the project, and the cost of replacing the project.

Do not hesitate to contact me if you have any questions.

Sincerely,
ANDERSON CONSULTING ENGINEERS, INC.

Bradley A. Anderson, P.E.
President

Goshen Irrigation District
P.O. Box 717
Torrington WY 82240

16-19

Tax Assessment Report

Date	Description	Rate	Total Acres	Total Assessment
8/28/2018	Operating & Maintenance	\$26.50	52474.00	\$1,390,561.08
8/28/2018	User Account	\$200.00	417.00	\$83,400.00
				<u>\$1,473,961.08</u>

Goshen Irrigation District
P.O. Box 717
Torrington WY 82240

Tax Assessment Report

2017-2018

Date	Description	Rate	Total Acres	Total Assessment
8/31/2017	Operating & Maintenance	\$26.00	52475.77	\$1,364,370.02
8/31/2017	User Account	\$0.00	2.00	\$200.00
8/31/2017	User Account	\$200.00	419.00	\$83,800.00
8/28/2018	WRITE OFF ACCOUNT FEE	\$0.00	1.00	(\$600.00)
				<u>\$1,447,770.02</u>

Goshen Irrigation District
P.O. Box 717
Torrington WY 82240

2017-2017

Tax Assessment Report

Date	Description	Rate	Total Acres	Total Assessment
8/30/2017	Billed in error	\$0.00		(\$258.65)
8/30/2016	Operating & Maintenance	\$25.50	52477.57	\$1,338,178.12
8/30/2016	User Account	\$200.00	420.00	\$84,000.00
				<u>\$1,421,919.47</u>

IN THE DISTRICT COURT OF THE EIGHTH JUDICIAL DISTRICT
OF THE STATE OF WYOMING IN AND FOR GOSHEN COUNTY

DOCKET NO. 3-631

IN THE MATTER OF THE)
)
GOSHEN IRRIGATION DISTRICT)

**ORDER CONFIRMING THE BUDGET OF THE
GOSHEN IRRIGATION DISTRICT
FOR THE FISCAL PERIOD
JULY 1, 2019 TO JUNE 30, 2020**

THIS MATTER having come before the Court being the day heretofore fixed by the Court for a hearing upon the proposed budget for the Goshen Irrigation District ("District") for the fiscal year commencing July 1, 2019, and the Commissioners appearing by Patrick Zimmerer, Esquire, Counsel for Goshen Irrigation District, and no person appearing to object thereto, and no written objections having been filed, and all matters presented in support of said budget appearing proper and necessary and the Court now being fully advised in the premises, finds as follows:

1. That the Commissioners have considered and made an estimate of money necessary to be raised by assessment within the District for maintenance and to meet the yearly current expenses of the District for the fiscal year commencing July 1, 2019, and that said budget aggregates \$2,344,565.00, itemized and listed as follows:

Administration, Water Distribution and Maintenance:

EXPENSES:

Administration, Water Distribution and Maintenance:

SALARIES	\$637,000.00
EMPLOYER FICA & MEDICARE	\$50,000.00
WY WORKERS' COMPENSATION FUND	\$5,000.00
UNEMPLOYMENT COMPENSATION FUND	\$3,000.00
WYOMING RETIREMENT FUND	\$126,000.00
HEALTH INSURANCE	\$250,000.00
EMPLOYEE ONBOARDING SERVICES	\$2,000.00
OFFICE EXPENSE	\$14,000.00
TAXES-SALES PAID OR COLLECTED	\$ 100.00
COMMUNICATION/RADIO TOWER EXPENSE	\$8,000.00
AUDIT EXPENSE	\$9,500.00
OFFICE & YARD MAINTENANCE (includes Utilities)	\$16,000.00
VEHICLE & EQUIPMENT MAINTENANCE	\$105,000.00
SHOP & TOOL EXPENSE	\$16,000.00
ADMINISTRATION EXPENSES	\$24,000.00
MEMBERSHIP FEES	\$525.00
MISCELLANEOUS EXPENSE	\$500.00
LEGAL EXPENSE	\$20,000.00
SYSTEM OPERATION & MAINTENANCE	\$100,000.00
REHAB #3 WWDC PROJECT EXPENDITURES	\$168,422.00
PROPERTY & LIABILITY INSURANCE	\$27,500.00
US BUREAU NP RESERVED WORKS BUDGET	\$58,018.00
WHALEN II OPERATIONS	\$5,000.00
WHALEN OPERATIONS	\$2,000.00
WATER AUTOMATION MAINTENANCE	\$2,000.00
DISTRICT BETTERMENT	\$2,000.00
OPERATION & MAINTENANCE INVENTORY	\$55,000.00
CAPITAL EQUIPMENT PURCHASES	\$110,000.00
BUREAU OF RECLAMATION STONEY GATE	\$528,000.00
<u>TOTAL EXPENDITURES:</u>	<u>\$2,344,565.00</u>

subject to the modification of line items necessary within the budget limits.

2. During the fiscal year commencing July 1, 2019 the District anticipates realizing the following revenue and credits, to-wit:

ORDER CONFIRMING THE BUDGET OF THE GOSHEN IRRIGATION DISTRICT
FOR THE FISCAL PERIOD JULY 1, 2019 to JUNE 30, 2020

INCOME:

ANTICIPATED CREDITS:

WWDC Grant for Rehab #3	\$ 443,232.00
Administrative Fees (\$200 per account)	83,400.00
Interest Income	20,000.00
Whalen Reimbursement	1,000.00
Whalen II Reimbursement GID/GFLID	5,000.00
U.S. Bureau Reserve Works Return	200,573.00
Miscellaneous Income	1,000.00
Reimbursement of Services	20,000.00
Sale of Capital Equipment	3,000.00
From Reserve Funds	146,410.00
Uncollected Taxes	3,882.00

TOTAL INCOME:

\$ 927,497.00

3. That the remainder of said budget, being \$1,417,068.00, must be raised by assessment upon the lands in the District, and in respect to the assessment the Court finds that there are 52,484 acres of irrigable lands in the District, Classes 1 to 4 inclusive, and the same quantity of water has been apportioned to each acre of irrigable land so that the assessments for the operation and maintenance will be uniform as respects each irrigable acre.

4. Said budget should be in all respects be ratified, confirmed and approved, and the funds for maintenance and to meet the current expense of the District should be kept and maintained in the manner and from the sources indicated above.

IT IS SO ORDERED:

- A. That the proposed budget of the Goshen Irrigation District for the fiscal year commencing July 1, 2019 be and the same is hereby in all things ratified, confirmed and approved, and the Commissioners of the Goshen Irrigation District, for and in behalf of the District, are authorized and empowered to issue

interest-bearing warrants of the District in payment of the costs and expenses for and to the several amounts indicated in said budget for said fiscal year.

- B. That the funds for maintenance and to meet yearly current expenses of the District shall be derived from the sum of \$1,417,068.00, to be raised by an assessment against each irrigable acre for:

Operation and Maintenance	\$ 27.00
Total Assessment per Acre	\$ 27.00

- C. That the Commissioners of the District may issue the interest-bearing warrants of the District in payment of costs and expenses incurred by them on behalf of the District to the extent of the amount of said budget, but nothing in this paragraph contained shall be in any manner construed as authority for making total expenditures, whether in case, or by warrant, to a greater extent or amount than the several amounts shown in said budget.

- D. That the Clerk of this Court enter this Order at length upon the Journal of the Court and that she send a certified copy thereof to the Commissioners of the Goshen Irrigation District at PO Box 717 Torrington, Wyoming 82240, as their authority for proceeding under this order.

DONE IN OPEN COURT, this 25th day of June, 2019.


DISTRICT COURT JUDGE

Goshen Irrigation District
P.O. Box 717
Torrington WY 82240

Tax Assessment Report

Date	Description	Rate	Total Acres	Total Assessment
8/28/2018	Operating & Maintenance	\$26.50	52474.00	\$1,390,561.08
8/28/2018	User Account	\$200.00	417.00	\$83,400.00
				<u>\$1,473,961.08</u>

Gering-Fort Laramie Irrigation District

Phone No. 308-436-7144 1011 Rundell Road, P O Box 541, Gering, Nebraska 69341

Fax: 308-436-5630

email: geringftlaramie@gmail.com

Web site: <http://www.gflirrigation.org>

Rick Preston, Manager

Scott Hort, Assistant Manager

Dawn Lemley, Secretary-Treasurer

Directors

Jerald Meisner President

Marion Hessler

Ethan Ford

Richard Groskopf, Vice-President

Robert L Busch

Mike Hort

August 19, 2019

Dear State Land and Investment Board,

I am the General Manager with the Gering Fort Laramie Irrigation District. The District covers an area of about 55,000 acres in the state of Nebraska. It also has 85 miles of the Ft Laramie canal that is shared with Goshen Irrigation District and 45 miles of Ft Laramie Canal in Nebraska along with 300 miles of laterals. The 55,000 acres represent 365 landowners.

Sincerely,

A handwritten signature in black ink, appearing to read 'Rick Preston', followed by a long horizontal line extending to the right.

Rick Preston
General Manager

RP/dl