

GARRISON DIVERSION CONSERVANCY DISTRICT

Executive Committee
Carrington, North Dakota

December 14, 2023

A G E N D A

- 11:00 a.m. I. Roll Call
- 11:01 a.m. II. **>Consideration of Minutes** – Alan Walter
- 11:02 a.m. III. Financial Report – Merri Mooridian
- A. **>*Financial Statements**
- B. **>*Budget Revisions**
- C. >Budget Timeline
- 11:20 a.m. IV. Garney Construction Report – Jarrod Weber & Keith Lemaster
- 11:40 a.m. V. Red River Valley Water Supply Project Update
- A. Construction Update – Kip Kovar
- B. >Work Plan Update – Kip Kovar
1. Task Orders ENDAWS
- a. **>*2250 – McClusky Canal Intake Preliminary Design Services**
- b. **>*3210 – BWT Plant & Main Pumping Station Preliminary Design**
- c. **>*4250 – Hydraulic Break Tanks Preliminary Design**
2. Task Orders RRVWSP
- a. **>*1520 – Operational Planning, Phase 3**
- b. **>*5340 – Transmission Pipeline East, Contract 4, Final Design Services**
- C. >Program Schedule – Merri Mooridian
- D. >Planning Level Budget – Merri Mooridian
- 12:30 p.m. ***Lunch Break***
- 1:00 p.m. VI. >O&M Update – Ryan Anderson
- 1:05 p.m. VII. >Irrigation Update – Ryan Anderson
- 1:10 p.m. VIII. >Bureau of Reclamation Report – Scott Hettinger
- 1:15 p.m. IX. Department of Water Resources Report – John Paczkowski
- 1:20 p.m. X. >MR&I Construction Report – Duane DeKrey
- 1:25 p.m. XI. **>*General Manager’s Spending Authority** – Alan Walter
- 1:35 p.m. XII. >2023 Accomplishments – Duane DeKrey
- 1:45 p.m. XIII. **>2024 GDCD Work Plan** – Duane DeKrey
- 1:55 p.m. XIV. ***2024 Salary Increases** – Alan Walter

- 2:10 p.m. XV. >Executive Committee Election – Alan Walter
- 2:15 p.m. XVI. General Manager’s Report – Duane DeKrey
- A. Board Email Addresses
- 2:30 p.m. XVII. Upcoming Events – Alan Walter
- A. >Garrison Diversion Meetings
- B. LAWA Board Meeting – January 16, Fargo
- C. >Red River Basin Commission Conference – January 16-18, West Fargo
- D. Groundwater Management Assoc. Conf. – January 23-25, Nashville
- E. Rural Water EXPO – February 6-8, Fargo
- F. State Water Commission Meeting – February 8, Bismarck
- F. Family Farm Alliance Conference – February 22-23, Reno, NV
- G. NWRA Federal Water Issues Conf. – April 9-11, Washington, DC
- 2:35 p.m. XVIII. Other
- 2:45 p.m. XIX. Adjourn

Bold is an Action Item

*** is a Roll Call Vote**

The following minutes are in draft form subject to review and approval by the Executive Committee at its next meeting

23-79

GARRISON DIVERSION CONSERVANCY DISTRICT

EXECUTIVE COMMITTEE

**Garrison Diversion Conservancy District
Carrington, North Dakota
September 14, 2023**

A meeting of the Garrison Diversion Conservancy District Executive Committee was held on September 14, 2023, at the Garrison Diversion headquarters in Carrington, North Dakota. The meeting was called to order by Chairman Walter at 11:10 a.m.

MEMBERS PRESENT

Chairman Alan Walter
First Vice Chairman Jay Anderson
Second Vice Chairman Greg Bischoff
Director Dave Anderson
Director Geneva Kaiser
Director Bruce Klein
Director Bill Ongstad
Director Mike Tweed
Director Ken Vein
Secretary Duane DeKrey

MEMBERS ABSENT

Director Mark Cook

OTHERS PRESENT

Garrison Diversion staff members and others were present. A copy of the registration sheet is attached to these minutes as Annex I.

The meeting was recorded to assist with compilation of the minutes.

READING OF THE MINUTES

Motion by Second Vice Chairman Bischoff to dispense with a reading of the June 14, 2023, Executive Committee minutes and approve them as distributed. Second by Director D. Anderson. Upon voice vote, motion carried.

FINANCIAL REPORT

Financial Statements - - Merri Mooridian, Administrative Officer, Garrison Diversion, reviewed the financial statements for the period of January 1 to August 31, 2023. Copies of the financial statements are attached to these minutes as Annex II.

Revenues through August 31 are broken out as follows: General Fund \$4,714,957; MR&I \$12,692,715; Operations and Maintenance \$3,566,610; Red River Valley Water Supply Project \$17,336,691 and Irrigation Fund \$247,591.

Expenditures were: General Fund \$2,653,514; MR&I \$12,681,393; Operations and Maintenance \$2,927,241; Red River Valley Water Supply Project \$16,500,986 and Irrigation Fund \$235,992.

Ms. Mooridian commented the transfers in and out are indirects. There is a net change in assets of **(\$1,993,988)**. This is due to \$2 million put into certificates of deposit.

Total income received through August for all funds is \$38,558,564 with total expenditures and transfers out of \$35,441,224.

Ms. Mooridian pointed out the overage in the General Fund, Capital Purchases, Land and Buildings, is due to the road project on Garrison Diversion land near Stump Lake. She also referred to the overage in the GDU O&M Fund, Supplies, which is due to increased fuel prices and items at the major slide repair project.

Garrison Diversion reserve accounts total \$7,845,995.

The balance of funds held at Bank of North Dakota is \$5,592,963; First International Bank & Trust \$13,184,761; and \$7,152,966 at Bremer Bank.

Motion by Director Klein to accept the Garrison Diversion financial statements for the period of January 1 through August 31, 2023. Second by Director Tweed. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

Budget Timeline - - Ms. Mooridian referred to the budget timeline, which is an item of reference used in the budget preparation process.

OPERATION & MAINTENANCE (O&M) UPDATE

Ryan Anderson, Engineer, Garrison Diversion, provided an update on O&M activities.

This year, approximately 70,000 yards of material has been hauled at the McClusky Canal major slide repair project.

O&M crews have also been working on the road project at Stump Lake and removing liquid bituminous material from the New Rockford field office yard.

Other routine operation and maintenance activities have included mowing and blading.

Mr. Anderson also reported two new O&M employees were recently hired.

IRRIGATION UPDATE

Reference Map - - Mr. Anderson referred to the irrigation reference map, which shows the current water service contracts for irrigated acres, along with additional features in the area.

2023 Irrigation Map - - Mr. Anderson next referred to the 2023 irrigation map. The map shows the potential new irrigation projects, which total approximately 7,000 acres. The interest remains, but no new irrigation acres have been added this year.

ND WATER USERS AND IRRIGATION ASSOCIATION REPORT

Dani Quissell, North Dakota Water Users/Irrigation Association, referred to the August 25, 2023, Policy Update, which summarizes the status of important state water issues.

Ms. Quissell provided an update on the Interim Taxation Committee and the issue regarding how to assess privately owned commodity storage previously commercially owned. The Water Users Association is following this since the property tax issue affects irrigators. The Interim Tax Committee is working on a resolution to bring to the next legislative session.

Ms. Quissell said the North Dakota Irrigation Association (NDIA) has a request before the State Water Commission (SWC) in an attempt to get programs updated to provide additional funding assistance for irrigation districts and individual irrigators. There is a pre-meeting of the SWC this afternoon with this item on the agenda. The NDIA is hopeful there will be a favorable recommendation to the full SWC. Currently, irrigation districts receive 50% cost share from the state for their share of the off-farm works. The request is to raise this to 75%. On the individual irrigators' side, a joint program with the SWC and the Bank of North Dakota (BND) provides interest rate buydowns for irrigators who would like to put up new irrigation systems. The cap on that program at this time is \$40,000. The request is to raise the limit to \$100,000.

Ms. Quissell said the director of the Department of Water Resources has had several meetings with the Agriculture Commissioner's office, as well as the BND, about these requests. An update regarding the requests before the SWC will be provided at Garrison Diversion's October board meeting.

BUREAU OF RECLAMATION REPORT

Scott Hettinger, Bureau of Reclamation (Reclamation), referred to Reclamation's September 2023 written report and provided highlights. A copy of the report is attached to these minutes as Annex III.

MR&I

Mr. Hettinger stated it was previously reported a determination had been made indicating a waiver of the Build America, Buy America (BABA) Act requirement associated with the Northwest Area Water Supply (NAWS) Biota Water Treatment Plant Phase I construction was not needed. Reclamation's Dakotas Area Office was recently notified the interpretation on the waiver has changed. A waiver for Phase I is now needed, and until a waiver is received for this contract, Fiscal Year (FY) 2023 appropriated funds for the project cannot be expended. The Dakotas Area Office is seeking additional explanation for this change, as well as asking for the status of the waiver submitted for this project months ago.

MR&I REPORT

Construction Report - - Duane DeKrey, Secretary, reported 2023 MR&I expenditures as of August 31 are \$12,591,771. Total MR&I expenditures are \$61,284,904. Remaining approved federal MR&I funds are \$19,156,138.

Mr. DeKrey also referred to the MR&I Bipartisan Infrastructure Law (BIL) Construction Report. No funding has been expended under this program because of BABA and the required waivers. Copies of the two construction reports are attached to these minutes as Annex IV.

Water Supply Assistance Grant Program - - Director Kaiser, who chairs the MR&I Committee, reported the committee met on August 24 to review and consider grant applications for funding through the Water Supply Assistance Grant Program (WSAGP). Eighteen applicants were awarded funding for their rural water projects. The total amount of program funds awarded was \$113,438.

Director Kaiser stated the MR&I Committee decided to allow applicants to install their rural water lines prior to funding consideration as long as they realize upfront there is a chance the project may not receive reimbursement. The application deadlines remain May 1 and August 1. The MR&I Committee may meet in between depending on how many and when applications arrive.

MR&I Cost Ceiling - - Ms. Mooridian informed the committee an increase to the MR&I cost ceiling is being sought because there is roughly \$14 million remaining of the \$200 million authorized in the Dakota Water Resources Act (DWRA) for the MR&I Program. Meetings have been taking place with Department of Water Resources (DWR) officials and staff from Senator Hoeven's office to develop a plan for Senator Hoeven to obtain an increased MR&I authorization at the congressional level.

Ms. Mooridian said the request will be for approximately \$1.5 billion, which will include state and tribal funding.

RED RIVER VALLEY WATER SUPPLY PROJECT (RRVWSP)

Construction Update

Contract 5B, Transmission Pipeline East

Kip Kovar, District Engineer/Deputy Program Manager for RRVWSP Engineering, Garrison Diversion, shared photos from the Contract 5B construction site.

Missouri River Intake Screen Structure and Tunnel

Change Order No. 6

Mr. Kovar referred to Change Order No. 6 included with the meeting materials, which is for closing out the Missouri River Intake project. The change order shows adjustment for the final completion date, as well as adjustment of unit price item quantities to correspond with actual work completed, which results in a \$1,455,450 reduction in the total contract price. He asked for the committee's approval on Change Order No. 6.

Mr. Kovar added the original contract price was \$18,896,900. There have been six change orders approved over the last two years, ending with a contract price of \$19,444,165.

Motion by Director Vein to approve RRVWSP Missouri River Intake Screen Structure and Tunnel, Contract 2, Change Order No. 6, resulting in a decrease of (\$1,466,450) to the contract price. Second by Director Tweed. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

Transmission Pipeline East, Contract 5D

Bid Tabulation Summary - - Mr. Kovar informed the board the bid opening for RRVWSP Transmission Pipeline East, Contract 5D, took place on September 7, 2023. A total of four bids were received: 1) Carstensen Contracting, Inc., 2) Oscar Renda Contracting, Inc., 3) Harper Brothers Construction, LLC and 4) Thalle Construction, Co., Inc.

Mr. Kovar stated the engineer's estimate was \$68,986,800. Carstensen Contracting, Inc. was the apparent low bidder at \$61,677,275. A copy of the bid tabulation summary is attached to these minutes as Annex V.

Engineer's Recommendation - - Mr. Kovar referred to the engineer's recommendation letter. Given Black & Veatch's review of the bids and prequalification of Carstensen Contracting, Inc., they are recommending Garrison Diversion award the project to Carstensen Contracting, Inc. A copy of the recommendation letter is attached to these minutes as Annex VI.

Mr. Kovar said this information will now go to the Lake Agassiz Water Authority (LAWA) Board for their approval. Once LAWA has approved awarding the contract, the notice to proceed can be completed and forwarded to the contractor.

Mr. Kovar added the plan is to finalize the RRVWSP Interim Financing Agreement Series D by October 21. It is important to stay on track with this timeline because the bids for Contract 5D can only be held for 45 days.

Ms. Mooridian stated Fargo, Grand Forks, Garrison Diversion and LAWA have all approved the Series D agreement. Bond documents will be prepared and ready for approval at Garrison Diversion's board meeting on October 20.

Notice of Award

Motion by Second Vice Chairman Bischoff to award the base bid for RRVWSP Transmission Pipeline East, Contract 5D to Carstensen Contracting, Inc. in the amount of \$61,677,275 based on the engineer's recommendation and contingent upon Series D bond funding approval. Second by Director Kaiser. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

Notice to Proceed

Motion by Director Anderson authorizing the general manager to move forward with the Notice to Proceed on RRVWSP Transmission Pipeline East, Contract 5D, pending submittal of the contractor's documentation. Second by Director Vein. Upon roll call vote,

the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

Contractor's Agreement - - Mr. Kovar referred to the contractor's agreement, provided for the board's information. This agreement verifies the contractor will adhere to the items of the bid as well as verifying the plans and specifications. It also certifies and acknowledges the required documentation.

Land Acquisition Update - - Mr. Kovar reported letters were mailed the second week of August to landowners located in the ENDAWS section of the RRVWSP. KLJ began contacting these landowners last week.

Work Plan Update - - Mr. Kovar referred to the September 8, 2023, RRVWSP Work Plan Update, a copy which is attached to these minutes as Annex VII.

Task Order Modification/Closeout

Mr. Kovar referred to a letter from Black & Veatch regarding the modification and closeout of previously executed task orders between Garrison Diversion and Black & Veatch. The purpose of the letter is to formalize both reductions of and additions to task orders funded in the 2017-19, 2019-21 and 2021-23 biennia budgets.

Mr. Kovar reviewed each of the requested changes by biennium. When considered in the aggregate, the changes represent a \$16,330 reduction for Garrison Diversion. A copy of the letter is attached to these minutes as Annex VIII.

Motion by Director Tweed to approve modification to and closeout of 2017-2019, 2019-2021 and 2021-2023 biennia task orders representing a (\$16,330) reduction for Garrison Diversion. Second by Director Anderson. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

Program Schedule - - Ms. Mooridian reviewed the program schedule dated September 6, 2023, which tracks the start, finish and percent of completion for each of the RRVWSP construction projects.

Planning Level Budget - - Ms. Mooridian referred to the RRVWSP Planning Level Budget dated August 31, 2023, stating the total combined program budget is estimated at \$138.7 million. Actual program expenses are \$93.9 million with total outstanding expenses of \$44.8 million. Total program efforts are 68 percent complete. A copy of the budget is attached to these minutes as Annex IX.

Bond Attorney Fees - - Ms. Mooridian referred to the bond attorney engagement letter received from Fryberger Law Firm, explaining this is for the services of Mia Thibodeau, who will serve as bond counsel for Garrison Diversion and assist with the issuance of a \$60 million revenue bond for the RRVWSP. A copy of the letter is attached to these minutes as Annex X.

Ms. Thibodeau's primary responsibility is to render an objective legal opinion with respect to the authorization and issuance of bonds. The estimated bond counsel fees are approximately \$24,000.

Ms. Mooridian added in July, the board approved fees of \$5,000 for Ms. Thibodeau to review the Series D Interim Financing Agreement between the issuers and the users of the RRWSP. At that time, it was an oversight not to also approve the bond counsel fees. She asked for the committee's approval on the \$24,000 today.

Motion by Director Klein to approve an additional \$24,000 for bond attorney fees with Fryberger Law Firm. Second by Director Kaiser. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

User Meetings - - Mr. DeKrey reported work has been ongoing to prepare user packets and schedule meetings with each of the system users; however, the meetings are being delayed in order to re-evaluate the tiers. User meetings will move forward once the tiers are reviewed and any necessary changes have been incorporated.

SNAKE CREEK DAM SAFETY MODIFICATION STUDY

Mr. Kovar said the Snake Creek Dam Safety Modification Study (DSMS) contains four alternatives for the Snake Creek embankment issue. Two are structural, and two are operational. The Corps of Engineers (COE) shows an operational fix, meaning they would eliminate the 43-foot differential operational issue and replace it with a monitoring system.

Mr. Kovar stated in Garrison Diversion's opinion, there is no change. Once it gets to the 43-foot differential, the COE will more than likely request the level of Lake Audubon be dropped, which affects the McClusky Canal and could impact the RRWSP.

Garrison Diversion has sent comments, along with the DWR, to the COE over the last few years requesting a structural fix to the problem. At their most recent meeting, the COE indicated they are going to stand by their chosen alternative of an operational fix.

Mr. Kovar said holes were discovered in the COE's study taking the benefit cost ratio of a structural fix over one, which is why the COE is saying they cannot pursue that idea. Garrison Diversion and the DWR have provided the COE with ideas, and they continue to object. During the last meeting, the COE did say the Omaha office is requesting funds through the WRDA Bill in the amount of \$400,000 to conduct a conceptual 30 percent design on the structural fix.

Mr. Kovar added Garrison Diversion is adamant with all of its comments, and another letter is being prepared restating its disagreement with the operational fix. We believe North Dakota is owed this project that counts on Lake Audubon and should accept nothing less than a structural fix.

Director Vein said he does not consider it an operational a fix. The Corps of Engineers is not fixing anything.

GENERAL MANAGER'S REPORT

Draft Conflict of Interest Policy and Waiver - - Mr. DeKrey referred to the draft Conflict of Interest Policy and Waiver regarding consultants included with the meeting materials. These documents were provided to the board in July seeking comments with no comments being received. The documents are also included in the Executive Committee meeting materials.

Mr. DeKrey stated we are at the point where the policy and the waiver need to be voted on.

Director Vein said he thought action on this topic was going to be put on hold until after the RRVWSP leadership group held its partnering session.

Garrison Diversion staff said they did not recall that being discussed.

Chairman Walter added the motion will be a recommendation to the full board so it will be revisited at the October board meeting for full board consideration. If something develops in the meantime, it can be discussed at the board meeting.

Motion by Vice Chairman Anderson to recommend approval of the proposed Garrison Diversion Conservancy District Conflict of Interest Policy and Waiver. Second by Director Kaiser.

Director Vein said one of the concerns he recalls was to look at all the known, potential or even appearance of conflicts of interest, and he is trying to determine how each would be defined. It is in the eye of the beholder. What might appear to one may not appear to another.

Tami Norgard, Vogel Law, said she believes there are definitions included in the policy indicating the kinds of things to be made aware of. She emphasized this policy is not telling anyone they cannot work on the project or they are getting fired. Most of what is included in the document is already in the Engineering Code of Ethics requirements under state statute and the rules from the American Society of Civil of Engineers Code of Conduct. It all pertains to disclosure.

Vice Chairman J. Anderson stated the Conflict of Interest Policy puts the world on notice that certain firms are working together and everyone knows that issue is there.

Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed and Walter. Directors voting nay: Vein. Absent and not voting: Cook. Motion carried.

Missouri River Recovery Implementation Committee - - Mr. DeKrey informed the committee Garrison Diversion has funded the Missouri River Recovery Implementation Committee (MRRIC) in the past. Cost-share support has provided funding for Terry Fleck or his designated alternate to participate in MRRIC meetings as a representative of upper-basin recreation stakeholder interests. MRRIC has requested funding be renewed for Mr. Fleck's efforts.

Mr. DeKrey added the Missouri River Joint Board provided funding in the past for MRRIC but will no longer do so; however, they will continue to provide administrative work for MRRIC.

Mr. DeKrey referred to the DWR's memorandum recommending a contract extension, which will be funded 50/50 between Garrison Diversion and the DWR at \$47,700 each. A copy of the memo is attached to these minutes as Annex XI.

Motion by Director Ongstad to approve continued funding assistance for the Missouri River Recovery Implementation Committee in an amount not to exceed \$47,700 for the 2023-2025 biennium. Second by Second Vice Chairman Bischoff. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Kaiser, Klein, Ongstad, Tweed, Vein and Walter. Directors voting nay: none. Absent and not voting: Cook. Motion carried.

International Red River Watershed Board - - Mr. DeKrey reported on the International Red River Watershed Conference he attended in Detroit Lakes, Minnesota.

Accounting Position Update - - Mr. DeKrey reported staff has begun the process of setting up interviews for an open accounting position in the office due to the resignation of Cindy Hewitt. Ashley Reisenauer is moving up from her current position in the accounting department.

2024 GDCD Meeting Dates - - Mr. DeKrey referred to the proposed list of 2024 Board of Directors and Executive Committee meeting dates included with the meeting materials. If the board concurs, he suggested a motion be made to set the meeting dates.

Motion by Director Tweed to approve the 2024 Garrison Diversion Board of Directors and Executive Committee meeting dates as follows:

Board Meetings

January 11 & 12
April 18 & 19
July 11 & 12
October 10 & 11

Executive Committee Meetings

March 14
June 13
September 26
December 12

Second by Director Klein. Upon voice vote, motion carried.

UPCOMING EVENTS

Chairman Walter reviewed a list of upcoming water-related meetings and events.

OTHER

The meeting adjourned at 1:40 p.m.

(SEAL)

Alan Walter, Chairman

Duane DeKrey, Secretary

REGISTRATION

EXECUTIVE COMMITTEE
Garrison Diversion Conservancy District
September 14, 2023

NAME	ADDRESS
Kimberly Cook	GDCD
Dani Quisen	NDWA
Marti Monik	GDCD
Ashley Reisenauer	GDCD
Brent Erickson	AER S
Ryan Anderson	GDCD
Lisa Schaefer	GDCD
Steve McHugh	GDCD - Foster Co.
Kenny Rogers	GDCD
Mike Weed	GDCD
Bill Crystal	GDCD Wells County
Oge Bischer	GDCD
Paul Chabern	GDCD -
Alan M. Walter	GDCD - WARD CTY
Oran DeFrey	GDCD
By Video Conference:	
Ken Vein	Garrison Diversion
Jeff LeDoux	Garrison Diversion
Shawn Gaddie	Advanced Engineering
Scott Hettinger	Bureau of Reclamation
Kurt Ronnekamp	Black & Veatch

Garrison Diversion Conservancy District Combined Statement of Revenues and Expenses For the Eight Months Ended August 31, 2023						
	General Fund	Municipal Rural, and Industrial Fund	Operations Maintenance Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
Beginning Bank Balance	\$8,320,277	\$4,595	\$380,008	\$249,723	\$172,668	\$9,127,271
Revenues:						
Irrigation Admin	974					974
Lease Income						-
Revenue from Sale of Fixed Assets			173,167			173,167
Miscellaneous Income	1,808				364	2,172
Interest Income	177,711	572	1,027		2,478	181,788
Tax Levy	4,170,103					4,170,103
State Aid Distribution	190,281					190,281
Contract Revenue	30,499	12,692,143	2,941,200	17,336,691	244,749	33,245,282
Non-Project Income	143,581		451,216			594,797
Total Revenues	\$4,714,957	\$12,692,715	\$3,566,610	\$17,336,691	\$247,591	\$38,558,564
Expenditures:						
Director Expense	155,535					155,535
Employee Expense	826,707	54,915	1,534,231			2,415,853
Administrative Expense	129,792	34,706	54,790			219,288
Public Education	69,827					69,827
Professional Services	309,472		201,405	209,950		720,827
Irrigation Development	239,813					239,813
Water Supply Projects	84,638					84,638
GDCD Recreation Project	470,386					470,386
DWRA Recreation Project	2,803					2,803
Maintenance & Repairs	27,634		759,707		160,895	948,236
Capital Purchases	336,907		377,108	9,198		723,213
Construction in Progress				15,950,347		15,950,347
MR&I Project Expenses		12,591,772				12,591,772
Principal Debt Payments				278,935	55,892	334,827
Interest Payments				52,556	19,205	71,761
Total Expenditures *	\$ 2,653,514	\$ 12,681,393	\$ 2,927,241	\$ 16,500,986	\$ 235,992	\$ 34,999,126
Transfer In/Out	357,450	(10,751)	(431,347)	-	-	\$ (84,648)
Revenues Over Expenditures	\$ 2,418,893	\$ 571	\$ 208,022	\$ 835,705	\$ 11,599	\$ 3,474,790
Net Change in Assets	(1,991,482)		1,476	121	(4,103)	\$ (1,993,988)
Ending Bank Balance	\$ 8,747,688	\$ 5,166	\$ 589,506	\$ 1,085,549	\$ 180,164	\$ 10,608,073

GARRISON DIVERSION CONSERVANCY DISTRICT				
INCOME BUDGET ANALYSIS STATEMENT				
For Eight Months Ended August 31, 2023				
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2023	Income Received to August 31, 2023	Percentage of Amount Budgeted	Balance of 2023 Budget
Irrigation Admin	\$ 950	\$ 974	102.5%	\$ (24)
Lease Income	\$ -	\$ -	0.0%	\$ -
Miscellaneous Income	\$ -	\$ 2,172	0.0%	\$ (2,172)
Revenue Sale of Fixed Assets	\$ -	\$ 173,167	0.0%	\$ (173,167)
Interest Income	\$ 33,120	\$ 181,788	548.9%	\$ (148,668)
Tax Levy	\$ 3,650,000	\$ 4,170,103	114.2%	\$ (520,103)
State Aid	\$ 180,000	\$ 190,281	105.7%	\$ (10,281)
General Fund Contract Revenue	\$ 70,000	\$ 30,499	43.6%	\$ 39,501
O&M Contract Revenue	\$ 4,890,000	\$ 2,941,200	60.1%	\$ 1,948,800
MR&I Contract Revenue	\$ 20,257,975	\$ 12,692,143	62.7%	\$ 7,565,832
RRVWSP Contract Revenue	\$ 25,400,000	\$ 17,336,691	68.3%	\$ 8,063,309
Irrigation Fund Revenue	\$ 828,005	\$ 244,749	29.6%	\$ 583,256
Project Revenue	\$ -	\$ -	0.0%	\$ -
Non-Project Revenue	\$ 217,000	\$ 594,797	274.1%	\$ (377,797)
Total Revenues	\$55,527,050	\$38,558,564	69.4%	\$16,968,486

GARRISON DIVERSION CONSERVANCY DISTRICT						
Expense Budget Analysis Statement						
For Eight Months Ended August 31, 2023						
General, O&M MR&I, RRVWSP, and Irrigation Funds	Expenditures		Expenditures		Percentage	Balance of Budget
	Budget for 2022	Charged to 2022 Budget	Budget for 2023	Expenditures to Aug 31, 2023	Spent Amount Budgeted	
Expenses						
Director Expenses	\$ 270,000	\$ 235,483	\$ 221,000	155,535	70.4%	\$ 65,465
Employee Expenses	\$ 3,746,366	\$ 3,350,365	\$ 3,508,000	2,415,853	68.9%	\$ 1,092,147
Administrative Expenses	\$ 431,335	\$ 317,442	\$ 452,500	219,288	48.5%	\$ 233,212
Public Education	\$ 151,840	\$ 135,407	\$ 157,000	69,827	44.5%	\$ 87,173
Professional Services	\$ 3,515,225	\$ 2,902,288	\$ 2,637,000	720,827	27.3%	\$ 1,916,173
Irrigation Development	\$ 911,200	\$ 881,346	\$ 260,875	239,813	91.9%	\$ 21,062
Water Supply Program	\$ 300,000	\$ 98,614	\$ 300,000	84,638	28.2%	\$ 215,362
GDCD Recreation Grant Program	\$ 600,000	\$ 541,988	\$ 850,000	470,386	55.3%	\$ 379,614
DWRA Recreation Program	\$ 10,000	\$ 4,512	\$ 10,000	2,803	28.0%	\$ 7,197
Irrigation District Expense	\$ 2,000	\$ -	\$ 2,000	-	0.0%	\$ 2,000
Maintenance & Repairs	\$ 1,611,040	\$ 1,187,210	\$ 1,794,100	948,236	52.9%	\$ 845,864
Capital Purchases	\$ 1,056,000	\$ 963,831	\$ 495,000	723,213	146.1%	\$ (228,213)
Construction in Progress	\$ 27,950,000	\$ 27,977,251	\$ 24,000,000	15,950,347	66.5%	\$ 8,049,653
MR&I Fund	\$ 27,000,000	\$ 25,292,604	\$ 20,000,000	12,591,772	63.0%	\$ 7,408,228
Principal on Debt Repayment	\$ 479,831	\$ 479,483	\$ 315,000	334,827	106.3%	\$ (19,827)
Interest on Debt Repayment	\$ 68,660	\$ 68,656	\$ 67,000	71,761	107.1%	\$ (4,761)
Total Expenses	\$ 68,103,497	\$ 64,436,480	\$ 55,069,475	34,999,126	63.6%	\$ 20,070,349
Transfers In/Out						
MR&I	\$ 22,000	\$ 20,311	\$ 23,000	10,751	46.7%	\$ 12,249
O&M	\$ 972,340	\$ 886,658	\$ 920,000	431,347	46.9%	\$ 488,653
Irrigation	\$ -	\$ -	\$ -	-	0.0%	\$ -
RRVWSP	\$ (1,451,491)	\$ (1,368,042)	\$ -	-	0.0%	\$ -
Total Transfers Out	\$ (457,151)	\$ (461,073)	\$ 943,000	442,098	46.9%	\$ 500,902
Total Expenses & Transfers Out	\$ 67,646,346	\$ 63,975,407	\$ 56,012,475	35,441,224	63.3%	\$ 20,571,251

**GARRISON DIVERSION CONSERVANCY DISTRICT
EXPENSE BUDGET ANALYSIS STATEMENT
For Eight Months Ended August 31, 2023**

	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 08/31/2023	Balance of Budget as of 08/31/2023	Percentage of Budget Spent
GENERAL FUND						
Directors Expense						
Directors Per Diem	\$ 130,000	\$ 120,037	\$ 133,000	\$ 73,140	\$ 59,860	55.0%
Directors Expense	\$ 140,000	\$ 115,445	\$ 88,000	\$ 82,395	\$ 5,605	93.6%
Total Directors Expense	\$ 270,000	\$ 235,482	\$ 221,000	\$ 155,535	\$ 65,465	70.4%
Employee Expense						
Employee Salaries	\$ 822,000	\$ 780,874	\$ 908,000	\$ 541,765	\$ 366,235	59.7%
General Manager Exp	\$ 35,000	\$ 15,160	\$ 21,000	\$ 6,016	\$ 14,984	28.6%
Travel	\$ 61,000	\$ 33,344	\$ 61,000	\$ 21,905	\$ 39,095	35.9%
Admn Officer - Merri Mooridian	\$ 25,000	\$ 17,711	\$ 25,000	\$ 14,153	\$ 10,847	56.6%
Dist. Engr - Kip Kovar	\$ 10,000	\$ 6,490	\$ 10,000	\$ 2,548	\$ 7,452	25.5%
Engineer - Ryan Anderson	\$ 5,000	\$ 1,901	\$ 5,000	\$ 1,474	\$ 3,526	29.5%
Dir. Comm. - Kim Cook	\$ 6,000	\$ 1,363	\$ 6,000	\$ 431	\$ 5,569	7.2%
Emp Exp Other	\$ 15,000	\$ 5,879	\$ 15,000	\$ 3,299	\$ 11,701	22.0%
Professional Development	\$ 17,000	\$ 5,500	\$ 17,000	\$ 1,411	\$ 15,589	8.3%
Employee Training	\$ 15,000	\$ 5,500	\$ 15,000	\$ 1,411	\$ 13,589	9.4%
Wellness Program	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ 2,000	0.0%
Benefits	\$ 406,000	\$ 332,717	\$ 427,000	\$ 255,610	\$ 171,390	59.9%
GDCD FICA	\$ 72,000	\$ 64,927	\$ 79,000	\$ 47,620	\$ 31,380	60.3%
Retirement	\$ 117,000	\$ 111,743	\$ 129,000	\$ 77,618	\$ 51,382	60.2%
Hospital & Life Insurance	\$ 177,000	\$ 136,698	\$ 175,000	\$ 95,234	\$ 79,766	54.4%
Unemployment Comp	\$ 1,000	\$ 307	\$ 1,000	\$ 3,546	\$ (2,546)	354.6%
Dental / Vision Ins.	\$ 14,000	\$ 11,637	\$ 14,000	\$ 7,435	\$ 6,565	53.1%
Work Force Safety	\$ 1,000	\$ 307	\$ 1,000	\$ 388	\$ 612	38.8%
Long-Term Disability Ins	\$ 9,000	\$ 7,098	\$ 10,000	\$ 4,834	\$ 5,166	48.3%
Vacation/Sick Leave Liability	\$ 15,000	\$ -	\$ 18,000	\$ 18,935	\$ (935)	105.2%
Total Employee Expense	\$ 1,341,000	\$ 1,167,595	\$ 1,434,000	\$ 826,707	\$ 607,293	57.7%
Administration						
Postage	\$ 7,000	\$ 3,057	\$ 6,000	\$ 3,266	\$ 2,734	54.4%
Communications	\$ 31,000	\$ 14,124	\$ 16,000	\$ 8,767	\$ 7,233	54.8%
Utilities	\$ 34,000	\$ 31,989	\$ 33,000	\$ 24,741	\$ 8,259	75.0%
Meetings & Events	\$ 10,000	\$ 8,602	\$ 5,000	\$ 6,087	\$ (1,087)	121.7%
Subscriptions/Publications	\$ 6,000	\$ 5,850	\$ 6,000	\$ 3,452	\$ 2,548	57.5%
Miscellaneous	\$ 6,000	\$ 2,916	\$ 4,000	\$ 1,133	\$ 2,867	28.3%
Data Processing	\$ 23,000	\$ 20,270	\$ 20,000	\$ 26,471	\$ (6,471)	132.4%
Employee Recruiting	\$ 5,000	\$ -	\$ 5,000	\$ -	\$ 5,000	0.0%
Supplies	\$ 18,000	\$ 10,135	\$ 14,000	\$ 7,291	\$ 6,709	52.1%
Small Office Equipment	\$ 14,200	\$ 10,886	\$ 20,000	\$ 114	\$ 19,886	0.6%
Dues	\$ 15,000	\$ 11,528	\$ 14,000	\$ 11,132	\$ 2,868	79.5%
Insurance	\$ 15,800	\$ 15,509	\$ 14,000	\$ 6,688	\$ 7,312	47.8%
Annual Independent Audit	\$ 33,500	\$ 31,118	\$ 36,500	\$ 30,650	\$ 5,850	84.0%
Total Administration	\$ 218,500	\$ 165,984	\$ 193,500	\$ 129,792	\$ 63,708	67.1%
Public Education						
GDCD Tours	\$ 10,000	\$ 5,000	\$ 10,000	\$ 3,000	\$ 7,000	30.0%
ND Water Users Ass'n Dues	\$ 20,000	\$ -	\$ 20,000	\$ 20,000	\$ -	100.0%
ND Water Coalition Dues	\$ 14,000	\$ 20,000	\$ 14,000	\$ 14,000	\$ -	100.0%
ND Water Magazine	\$ 18,000	\$ 14,000	\$ 18,000	\$ 10,000	\$ 8,000	55.6%
Missouri River Joint Board	\$ 71,090	\$ 18,000	\$ 15,000	\$ 15,981	\$ (981)	106.5%
Upper Sheyenne	\$ -	\$ 71,061	\$ 50,000	\$ -	\$ 50,000	0.0%
Conference Booth Fees, Sponsorships	\$ 9,750	\$ 6,940	\$ 20,000	\$ 5,432	\$ 14,568	27.2%
Miscellaneous	\$ 9,000	\$ 406	\$ 10,000	\$ 1,414	\$ 8,586	14.1%
Total Public Education	\$ 151,840	\$ 135,407	\$ 157,000	\$ 69,827	\$ 87,173	44.5%

**GARRISON DIVERSION CONSERVANCY DISTRICT
EXPENSE BUDGET ANALYSIS STATEMENT
For Eight Months Ended August 31, 2023**

	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 08/31/2023	Balance of Budget as of 08/31/2023	Percentage of Budget Spent
Professional Services						
Communications	\$ 160,000	\$ 109,375	\$ 140,000	\$ 70,366	\$ 69,634	50.3%
Engineering	\$ 125,000	\$ 43,248	\$ 125,000	\$ 9,730	\$ 115,270	7.8%
RRVWSP Development	\$ 309,000	\$ 65,640	\$ 316,000	\$ 84,547	\$ 231,453	26.8%
Technical Support for LAWA	\$ -	\$ -	\$ 15,000	\$ -	\$ 15,000	0.0%
Engineering	\$ 100,000	\$ 7,494	\$ 100,000	\$ 1,274	\$ 98,726	1.3%
Legal	\$ 133,000	\$ 51,674	\$ 125,000	\$ 35,645	\$ 89,355	28.5%
Financial	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 10,000	0.0%
Consultants	\$ 50,000	\$ -	\$ 50,000	\$ 44,139	\$ 5,861	88.3%
Meeting, Misc. Exp	\$ 16,000	\$ 6,472	\$ 16,000	\$ 3,489	\$ 12,511	21.8%
Prof Services Other	\$ 30,000	\$ 22,793	\$ 45,000	\$ 10,864	\$ 34,136	24.1%
Legal Services	\$ 215,000	\$ 142,762	\$ 188,000	\$ 133,965	\$ 54,035	71.3%
Total Professional Services	\$ 839,000	\$ 383,818	\$ 814,000	\$ 309,472	\$ 504,528	38.0%
Irrigation Development						
ND Irrigation Association	\$ 50,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ 25,000	50.0%
NDSU Oakes Irrigation Site	\$ 202,575	\$ 174,680	\$ 167,875	\$ 195,933	\$ (28,058)	116.7%
Robert Titus Lease	\$ 16,625	\$ 16,484	\$ 17,000	\$ 16,083	\$ 917	94.6%
Irrigation Development	\$ 642,000	\$ 640,183	\$ 26,000	\$ 2,797	\$ 23,203	10.8%
Total Irrigation Development	\$ 911,200	\$ 881,347	\$ 260,875	\$ 239,813	\$ 21,062	91.9%
Recreation						
GDCD Recreation Grant Program	\$ 600,000	\$ 541,988	\$ 850,000	\$ 470,386	\$ 379,614	55.3%
DWRA Recreation Program	\$ 10,000	\$ 4,512	\$ 10,000	\$ 2,803	\$ 7,197	28.0%
Total Recreation	\$ 610,000	\$ 546,500	\$ 860,000	\$ 473,189	\$ 386,811	55.0%
Water Supply Grant Program	\$ 300,000	\$ 98,614	\$ 300,000	\$ 84,638	\$ 215,362	28.2%
Irrigation Districts Expense						
Irrigation Districts	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ 2,000	0.0%
Total Irrigation Districts Expense	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ 2,000	0.0%
Maintenance & Repair						
Equipment Maintenance	\$ 31,000	\$ 30,543	\$ 27,000	\$ 11,259	\$ 15,741	41.7%
Small Yard Equipment Purchases	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	0.0%
Land & Bldg Maintenance	\$ 40,000	\$ 39,476	\$ 35,000	\$ 8,764	\$ 26,236	25.0%
Auto Expense	\$ 15,000	\$ 13,462	\$ 15,000	\$ 7,611	\$ 7,389	50.7%
Total Maintenance & Repair	\$ 86,000	\$ 83,481	\$ 82,000	\$ 27,634	\$ 54,366	33.7%
Capital Purchases						
Office Equip & Furniture	\$ 181,000	\$ 177,157	\$ 20,000	\$ 5,450	\$ 14,550	27.3%
Yard Equipment	\$ 30,000	\$ 29,899	\$ 20,000	\$ -	\$ 20,000	0.0%
Vehicle	\$ 60,000	\$ 57,786	\$ 40,000	\$ -	\$ 40,000	0.0%
Land and Buildings	\$ 110,000	\$ 106,399	\$ 15,000	\$ 331,457	\$ (316,457)	2209.7%
Total Capital Purchases	\$ 381,000	\$ 371,241	\$ 95,000	\$ 336,907	\$ (241,907)	354.6%
Total General Fund	\$ 5,110,540	\$ 4,069,469	\$ 4,419,375	\$ 2,653,514	\$ 1,765,861	60.0%

**GARRISON DIVERSION CONSERVANCY DISTRICT
EXPENSE BUDGET ANALYSIS STATEMENT
For Eight Months Ended August 31, 2023**

	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 08/31/2023	Balance of Budget as of 08/31/2023	Percentage of Budget Spent
IRRIGATION FUND						
McClusky Canal Irrigation:	\$ 722,800	\$ 536,062	\$ 446,100	\$ 160,895	\$ 285,205	36.1%
Construction	\$ 290,000	\$ 261,007	\$ -	\$ -	\$ -	0.0%
Operations	\$ 432,800	\$ 275,055	\$ 446,100	\$ 160,895	\$ 285,205	36.1%
Debt Payments	\$ 217,000	\$ 216,648	\$ 382,000	\$ 75,097	\$ 306,903	19.7%
Principal	\$ 171,630	\$ 171,282	\$ 315,000	\$ 55,892	\$ 259,108	17.7%
Interest	\$ 45,370	\$ 45,366	\$ 67,000	\$ 19,205	\$ 47,795	28.7%
Total Irrigation Fund	\$ 939,800	\$ 752,710	\$ 828,100	\$ 235,992	\$ 592,108	28.5%
GDU O & M						
Salaries and Benefits	\$ 2,247,266	\$ 2,070,155	\$ 1,921,000	\$ 1,458,943	\$ 462,057	75.9%
Salaries	\$ 1,446,050	\$ 1,366,860	\$ 1,183,000	\$ 971,675	\$ 211,325	82.1%
Benefits	\$ 801,216	\$ 703,295	\$ 738,000	\$ 487,268	\$ 250,732	66.0%
Travel	\$ 17,115	\$ 7,099	\$ 14,000	\$ 19,010	\$ (5,010)	135.8%
Training	\$ 9,000	\$ -	\$ 4,000	\$ 3,239	\$ 761	81.0%
Utilities	\$ 87,000	\$ 79,965	\$ 93,000	\$ 51,772	\$ 41,228	55.7%
Contractual Services	\$ 2,066,225	\$ 2,004,988	\$ 423,000	\$ 201,405	\$ 221,595	47.6%
Supplies	\$ 624,000	\$ 552,792	\$ 225,000	\$ 339,849	\$ (114,849)	151.0%
Capital Purchases	\$ 385,000	\$ 296,614	\$ 400,000	\$ 377,108	\$ 22,892	94.3%
Small Equipment Purchases	\$ -	\$ -	\$ 11,000	\$ -	\$ 11,000	0.0%
Equipment Rental	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000	0.0%
Equipment Maintenance	\$ 236,240	\$ 196,809	\$ 505,000	\$ 129,744	\$ 375,256	25.7%
Safety	\$ 58,985	\$ 33,676	\$ 53,000	\$ 53,039	\$ (39)	100.1%
Miscellaneous	\$ 22,000	\$ 14,435	\$ 13,000	\$ 3,018	\$ 9,982	23.2%
Materials	\$ 232,000	\$ 79,073	\$ 475,000	\$ 290,114	\$ 184,886	61.1%
Total GDU O & M	\$ 5,984,831	\$ 5,335,606	\$ 4,187,000	\$ 2,927,241	\$ 1,259,759	69.9%
MR&I Fund						
Salaries & Benefits	\$ 73,000	\$ 71,839	\$ 82,000	\$ 54,915	\$ 27,085	67.0%
State Administration	\$ 103,835	\$ 57,058	\$ 153,000	\$ 34,706	\$ 118,294	22.7%
MR&I Project Expenditures	\$ 27,000,000	\$ 25,292,604	\$ 20,000,000	\$ 12,591,772	\$ 7,408,228	63.0%
Total MR&I Fund	\$ 27,176,835	\$ 25,421,501	\$ 20,235,000	\$ 12,681,393	\$ 7,553,607	62.7%
RRV Water Supply Project						
Right of Way	\$ 90,000	\$ 88,594	\$ 1,000,000	\$ 205,745	\$ 794,255	20.6%
Design/Construction in Progress	\$ 27,950,000	\$ 27,923,627	\$ 24,000,000	\$ 15,753,800	\$ 8,246,200	65.6%
Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Professional Services	\$ 520,000	\$ 513,483	\$ 400,000	\$ 209,950	\$ 190,050	52%
Financing/Legal/Administration	\$ 505,000	\$ 500,349	\$ 400,000	\$ 209,950	\$ 190,050	52.5%
Other Engineering	\$ 15,000	\$ 13,134	\$ -	\$ -	\$ -	0.0%
Debt Payments	\$ 331,491	\$ 331,491	\$ -	\$ 331,491	\$ (331,491)	0%
Principal	\$ 308,201	\$ 308,201	\$ -	\$ 278,935	\$ (278,935)	0.0%
Interest	\$ 23,290	\$ 23,290	\$ -	\$ 52,556	\$ (52,556)	0.0%
Total RRVWSP	\$ 28,891,491	\$ 28,857,195	\$ 25,400,000	\$ 16,500,986	\$ 8,899,014	65.0%
TOTAL ALL FUNDS	\$ 68,103,497	\$ 64,436,481	\$ 55,069,475	\$ 34,999,126	\$ 20,070,349	63.6%

GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES STATEMENT August 31, 2023	
OPERATING RESERVE	
Operating Reserve authorized to be established in the amount of \$300,000.00 per resolution of the Board dated January 15, 1970. Limit changed to \$330,000 by Board action on January 6, 1995. Reserve cap removed by Board action July 2, 1997.	\$5,430,402.32
O&M EMERGENCY RESERVE	
O&M Emergency Reserve to be established in the amount of \$500,000.00 by Article 13 (a) of the Master Contract and by action taken by the Board dated January 16, 1970. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$822,817.55 by Board action July 2, 1997.	750,000.00
DEFICIENCY RESERVE	
Deficiency Reserve to be established in the amount of \$750,000.00 by Article 13 (b) of the Master Contract. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$802,287.54 by Board action July 2, 1997.	750,000.00
PROJECT DEVELOPMENT RESERVE	
Project Development Reserve to be established in the amount of \$750,000.00 by resolution of the Board dated July 17, 1969. Limit changed to \$1,000,000.00 July 1982. Reserve capped at \$915,592.98 by Board action July 2, 1997.	915,592.98
TOTAL GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES	\$7,845,995.30

Garrison Diversion Conservancy District Funds in Bank of North Dakota August 31, 2023				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	Checking Account	0.60%		\$ 47,302.69
General	Water Assistance Grant Matching	0.60%		\$ 231,501.00
General	Oakes Building Fund	0.60%		\$ 43,620.44
General	Money Market Deposit Account	0.60%		\$ 4,549,065.13
General	Water Assistance Grant Reserve	0.60%		\$ 541,914.70
General	Accrued Leave-Operating Reserve	0.60%		\$ 179,559.71
Total Deposits				\$ 5,592,963.67

Garrison Diversion Conservancy District Funds in First International Bank & Trust August 31, 2023				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	CD 119210	2.00%	09/09/23	\$ 2,500,000.00
General	CD 80120161	2.25%	09/19/23	\$ 1,000,000.00
General	CD 119245	2.25%	09/30/23	\$ 1,000,000.00
General	CD 118955-Project Development	4.05%	10/19/23	\$ 350,000.00
General	CD 119434-Deficiency Reserve	0.50%	11/30/23	\$ 175,854.00
General	CD 118849-Deficiency Reserve	0.40%	01/29/24	\$ 200,000.00
General	CD 119130	4.00%	02/18/24	\$ 1,000,000.00
General	CD 80120162	2.35%	03/19/24	\$ 1,000,000.00
General	CD 118850-Operating Reserve	4.00%	04/24/24	\$ 50,500.00
General	CD 118848-O&M Emergency Res.	4.10%	04/29/24	\$ 350,000.00
General	CD 119561-O&M Emergency Reserve	4.10%	05/01/24	\$ 83,682.45
General	CD 119070-Operating Reserve	4.10%	05/17/24	\$ 820,000.00
General	CD 118954	4.10%	05/19/24	\$ 500,000.00
General	CD 80120163	2.50%	09/19/24	\$ 1,000,000.00
Total Investments				\$ 10,030,036.45
General	Recreation Matching-Operating Reserve	2.00%		\$ 1,684,469.55
General	Money Market Funds	2.00%		\$ 137,798.15
General	Recreation Reserve-Operating Reserve	2.00%		\$ 1,332,457.36
Total Money Market Funds				\$ 3,154,725.06
Total Deposits				\$ 13,184,761.51
Pledging	Total Deposits			\$ 13,184,761.51
	Less: FDIC Coverage			(250,000.00)
	Deposit Balance to Secure			12,934,761.51
	Less: Pledging			16,624,375.05
Pledging Excess				\$ 3,689,613.54

BREMER BANK DEPOSIT AND PLEDGING SUMMARY August 31, 2023					
<i>Account Type</i>	<i>Balance</i>	<i>Interest Rate</i>	<i>Maturity Date</i>	<i>Deposit Insurance / Pledging Status</i>	
<i>Demand Deposit Accounts</i>					
Non-Interest Bearing Checking Accounts					
				Total Demand Deposits	\$1,675,055.02
				Less: FDIC Insurance Coverage	250,000.00
xxxx61	Operations & Maintenance Fund	589,505.98	0.00%	Demand Deposit Balance to Secure	\$1,425,055.02
xxxx52	Red River Valley Water Supply	1,085,549.04	0.00%	x 110%	1.10
Total Demand Deposits				Pledging Required on Demand Deposits	\$1,567,560.52
<i>Time and Savings Deposits</i>					
Interest Bearing Checking					
xxxx34	Irrigation Fund	180,164.47	0.45%		
xxxx62	M R & I Working Fund	5,166.23	0.45%		
Total Interest Bearing Checking Balance		<u>185,330.70</u>			
Savings Accounts					
xxxx41	O&M - Accrued Leave Reserve	154,826.09	1.00%		
xxxx63	Irrigation - Debt Service Reserve	292,697.81	1.00%		
Total Savings Balance		<u>447,523.90</u>			
Certificates of Deposit					
xxxx0394	Certificate of Deposit-Operating Reserve	47,000.00	0.65%	2/20/2024	
xxxx8862	Certificate of Deposit-Project Dev Reserve	252,054.00	0.65%	2/24/2024	
xxxx1061	Certificate of Deposit-Deficiency Reserve	124,146.00	0.65%	2/24/2024	
xxx907-1	Certificate of Deposit-Operating Reserve	542,000.00	4.00%	3/1/2024	
xxx906-1	Certificate of Deposit-Deficiency Reserve	250,000.00	4.00%	3/1/2024	
xxxxx803-1	Certificate of Deposit	1,000,000.00	4.05%	4/11/2024	
xxx591-1	Certificate of Deposit-OM Emergency Res.	210,000.00	4.15%	4/24/2024	
xxxxx106	Certificate of Deposit-OM Emergency Res.	106,317.55	4.15%	5/22/2024	
xxxxx30-1	Certificate of Deposit	2,000,000.00	4.15%	5/24/2024	Total Time & Savings Deposit Account Balance
xxxxx933-1	Certificate of Deposit-Project Dev Reserve	313,538.98	5.00%	8/30/2024	Less: FDIC Insurance Coverage
Total CD Balance		<u>4,845,056.53</u>			250,000.00
				Time & Savings Deposit Balance to Secure	\$5,477,877.13
				x 110%	1.10
Total Time & Savings Deposit Account Balance				Pledging Required on Time & Savings Deposits	\$6,025,664.84
Total Deposits				Total Pledging Required on all Deposits	\$7,593,225.37
				Pledged Security/Letter of Credit	\$11,684,857.00
				Pledging Excess	\$4,091,631.64

GARRISON DIVERSION CONSERVANCY DISTRICT
GDCD RECREATION GRANT PROGRAM
OUTSTANDING PROJECTS
July 1, 1990 to August 31, 2023

23-98

COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 04-23-15 to 12-31-2022	EXPENDITURES 1-1-23 to 08-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 08-31-23
Barnes	Sheyenne River Water Trail	04-29-21	\$ 51,005.00					\$ 51,005.00
Barnes	City Wimbledon-Bathroom/Park Upgrade	03-30-23		\$ 12,999.00		\$ 12,999.00		\$ -
Bottineau	Kramer City Park	09-28-22	\$ 21,250.00					\$ 21,250.00
Bottineau	T-Bar Lift at Winter Park	09-28-22	\$ 75,000.00			\$ 75,000.00		\$ -
Bottineau	Turtle Mountain Pickle Ball	03-30-23		\$ 4,750.00		\$ 3,488.82	\$ (1,261.18)	\$ -
Burleigh	Steckel Boat Landing Picnic Shelter	04-29-21	\$ 6,000.00					\$ 6,000.00
Burleigh	4H Arena Play Area	09-23-21	\$ 31,291.00					\$ 31,291.00
Burleigh	Sibley Campground Electrical Updates	09-23-21	\$ 36,746.00			\$ 36,746.00		\$ -
Burleigh	American Legion Splash Pad	09-28-22	\$ 30,000.00			\$ 17,232.25		\$ 12,767.75
Burleigh	Wilton North Park Pickle Ball Court	09-28-22	\$ 2,395.00			\$ 958.10		\$ 1,436.90
Cass	RRV Fair Campground Phase I	05-06-20	\$ 4,721.00				\$ (4,721.00)	\$ -
Cass	Casselton Parks Revitalization	10-01-20	\$ 1,995.00		\$ 605.00			\$ 1,390.00
Cass	Casselton Shared Use Path	09-23-21	\$ 50,000.00					\$ 50,000.00
Cass	Mapleton Shared Use Path	09-23-21	\$ 50,000.00			\$ 50,000.00		\$ -
Cass	Brewer Lake Water Hook-ups	03-30-22	\$ 638.00					\$ 638.00
Cass	Tinta Tawa Park Restroom	03-30-22	\$ 9,575.00					\$ 9,575.00
Cass	West Fargo Park District Playground Imp	09-28-22	\$ 16,145.00					\$ 16,145.00
Cass	Harwood-Splash Pad	03-30-23		\$ 27,204.00				\$ 27,204.00
Cass	North Elmwood Park Restoration	03-30-23		\$ 24,323.00				\$ 24,323.00
Cass	Tower City Pickle Courts	03-30-23		\$ 4,700.00				\$ 4,700.00
Dickey	West Side Park Playground	04-29-21	\$ 7,520.00					\$ 7,520.00
Dickey	Ellendale Baseball Grandstand Reno	09-28-22	\$ 20,000.00					\$ 20,000.00
Dickey	Wilson Dam Picnic Shelter Renovation	09-28-22	\$ 1,778.00					\$ 1,778.00
Eddy	Warming House/Boat Rental Building	04-29-21	\$ 5,750.00					\$ 5,750.00
Foster	Foster County Fairgrounds Picnic Shelter	09-23-21	\$ 5,191.00					\$ 5,191.00
Foster	Baseball/Softball Diamond Renovations	03-30-22	\$ 75,000.00		\$ 12,507.93	\$ 24,797.50		\$ 37,694.57
Foster	Carrington West Park Renovation	03-30-22	\$ 61,202.00		\$ 22,500.00	\$ 16,006.00		\$ 22,696.00
Grand Forks	Bringewatt Park Water Station	09-23-21	\$ 10,000.00					\$ 10,000.00
Grand Forks	Kraft Field Grandstand Replacement	09-28-22	\$ 75,000.00					\$ 75,000.00
Grand Forks	Manvel Community Park Improvement	09-28-22	\$ 12,699.00					\$ 12,699.00
Grand Forks	Lincoln Drive Park Family Games Area	03-30-23		\$ 10,000.00				\$ 10,000.00
Griggs	Binford Park Playground Update	03-30-22	\$ 2,950.00			\$ 1,249.50		\$ 1,700.50
Griggs	Binford Rodeo Ass. Community Centre	09-28-22	\$ 75,000.00					\$ 75,000.00
LaMoure	Sunset Park Revitalization Phase II	05-06-20	\$ 45,000.00		\$ 27,025.23			\$ 17,974.77
McHenry	Upham Park Improvement	04-29-21	\$ 9,125.00		\$ 8,627.75			\$ 497.25
McHenry	Splash Pad	09-23-21	\$ 19,838.00		\$ 1,725.00			\$ 18,113.00
McHenry	City of Upham-Park Restrooms	03-30-23		\$ 12,500.00				\$ 12,500.00
McKenzie	Tobacco Garden Shower/Bathroom	03-30-23		\$ 40,071.00				\$ 40,071.00
McLean	Walking/Bike Path Underwood	05-06-20	\$ 15,668.00				\$ (15,668.00)	\$ -
McLean	Lakeside Park Gazebo/Riverdale	04-29-21	\$ 1,500.00					\$ 1,500.00
McLean	Playground Equipment-Coleharbor	09-23-21	\$ 23,460.00			\$ 5,865.00		\$ 17,595.00
McLean	Garrison Softball Field Renovation	09-28-22	\$ 75,000.00					\$ 75,000.00
McLean	City of Butte-City Park	03-30-23		\$ 874.00				\$ 874.00
McLean	Arena Announcer Office & Concessions	03-30-23		\$ 6,946.00				\$ 6,946.00
McLean	Nelson Park & Community Garden	03-30-23		\$ 12,750.00				\$ 12,750.00
McLean	Sportsmen's Centennial Park Boat Ramp	03-30-23		\$ 6,250.00		\$ 4,480.04	\$ (1,769.96)	\$ -
Nelson	Toina City Park Restrooms	10-03-18	\$ 21,933.00					\$ 21,933.00
Nelson	Stump Lake Playground	03-30-22	\$ 13,869.00			\$ 11,833.89	\$ (2,035.11)	\$ -
Nelson	Lakota Wading Pool	09-28-22	\$ 51,030.00					\$ 51,030.00
Pierce	Buffalo Lake Camp Site	04-29-21	\$ 3,250.00		\$ 1,930.06			\$ 1,319.94
Pierce	Barton Park Picnic Tables/Play Gym	09-23-21	\$ 1,250.00					\$ 1,250.00
Pierce	Rugby-Jaycee's Splashpad	03-30-23		\$ 40,202.00				\$ 40,202.00
Ramsey	Roosevelt Park Activity Building	09-28-22	\$ 75,000.00					\$ 75,000.00
Ransom	Dead Colt Walkway	04-29-21	\$ 23,750.00					\$ 23,750.00
Ransom	Sheldon Pickle Ball/BB Courts	03-30-22	\$ 5,262.00					\$ 5,262.00
Renville	Mouse River Park Campground Electrical	09-23-21	\$ 3,750.00			\$ 3,750.00		\$ -
Renville	Mohall Splash Pad	09-28-22	\$ 20,000.00			\$ 17,280.63		\$ 2,719.37
Renville	Mohall Splash Pad Phase II	03-30-23		\$ 6,875.00		\$ 6,875.00		\$ -
Richland	City Park Improvement-Abercrombie	04-29-21	\$ 34,682.00					\$ 34,682.00
Richland	Campground-Hankinson Park Board	04-29-21	\$ 29,984.00					\$ 29,984.00
Richland	Chaninkapa Park Multipurpose Shelter	03-30-22	\$ 42,000.00					\$ 42,000.00
Richland	Manatador Park Softball Dugouts	03-30-22	\$ 2,000.00					\$ 2,000.00
Richland	Wyndmere Park Board	03-30-22	\$ 10,728.00					\$ 10,728.00
Richland	Fairmount-Park Playground Equipment	03-30-23		\$ 9,750.00				\$ 9,750.00
Sargent	Silver Lake Bath House	05-06-20	\$ 6,377.00			\$ 6,377.00		\$ -
Sargent	North View Playground Milnor	03-30-22	\$ 14,210.00					\$ 14,210.00
Sargent	Gwinner Aquatic Center	09-28-22	\$ 75,000.00			\$ 19,962.50		\$ 55,037.50
Sargent	Forman-Main Street Pocket Park	03-30-23		\$ 2,213.00			\$ (2,213.00)	\$ -
Sheridan	Hoffer Lake Beach & Swimming Develop.	09-23-21	\$ 4,093.00					\$ 4,093.00
Steele	City Park Development-Colgate	04-29-21	\$ 6,250.00					\$ 6,250.00
Steele	Finley-Park Playground Equipment	03-30-23		\$ 13,750.00				\$ 13,750.00
Stutsman	Park Bench Project-Stutsman County	04-29-21	\$ 3,113.00					\$ 3,113.00
Stutsman	Electrical Upgrades for Campers	09-23-21	\$ 1,750.00					\$ 1,750.00
Stutsman	Field Renovation Phase I	09-28-22	\$ 75,000.00					\$ 75,000.00
Stutsman	Jamestown Reservoir Vault Toilet	09-28-22	\$ 6,204.00					\$ 6,204.00
Stutsman	4-H Horse Arena Improvement	03-30-23		\$ 8,843.00				\$ 8,843.00
Stutsman	Pedestrian Bridge Replacement	03-30-23		\$ 75,000.00				\$ 75,000.00
Stutsman	Lakeside Campground Improvements	03-30-23		\$ 5,574.00				\$ 5,574.00
Stutsman	Lawrence Trapper Softball Lighting	03-30-23		\$ 35,072.00				\$ 35,072.00
Trail	Riverwalk Park & Trail System	05-06-20	\$ 89,973.00			\$ 42,149.05	\$ (47,823.95)	\$ -
Trail	Galesburg Playground	03-30-22	\$ 22,595.00		\$ 21,880.00			\$ 715.00
Trail	Hillsboro Park District	03-30-22	\$ 31,500.00			\$ 31,500.00		\$ -
Ward	West Park-State Fair	05-06-20	\$ 26,450.00		\$ 21,861.60	\$ 4,588.40		\$ 0

**GARRISON DIVERSION CONSERVANCY DISTRICT
GDCD RECREATION GRANT PROGRAM
OUTSTANDING PROJECTS
July 1, 1990 to August 31, 2023**

23-99

COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 04-23-15 to 12-31-2022	EXPENDITURES 1-1-23 to 08-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 08-31-23
Ward	Rice Lake Pavilion	05-06-20	\$ 26,950.00					\$ 26,950.00
Ward	Ward County Parks 2022	03-30-22	\$ 10,632.00					\$ 10,632.00
Ward	11th & 11th Park Playground	09-28-22	\$ 21,875.00					\$ 21,875.00
Ward	Swimming Pool & Bathhouse	09-28-22	\$ 75,000.00					\$ 75,000.00
Ward	ND State Fair-Full Service Camping Hook-ups	03-30-23		\$ 21,375.00		\$ 21,375.00		\$ -
Ward	Talbot Court Disc Golf	03-30-23		\$ 2,465.00				\$ 2,465.00
Williams	Confluence Beautification	05-06-20	\$ 3,675.00				\$ (3,675.00)	\$ -
Williams	McGregor Dam Vault Toilet	04-29-21	\$ 17,500.00					\$ 17,500.00
Williams	Confluence Ramp	04-29-21	\$ 4,750.00					\$ 4,750.00
Williams	Coyote Clay Target League Range	03-30-22	\$ 55,872.00			\$ 55,872.00		\$ -
Williams	Wildrose Community Garden	03-30-22	\$ 1,000.00					\$ 1,000.00
Williams	BlackTail Beach Trail	09-28-22	\$ 22,500.00					\$ 22,500.00
Williams	Tioga Dam Trail & Park	09-28-22	\$ 24,000.00					\$ 24,000.00
Williams	Williston Water World	03-30-23		\$ 75,000.00				\$ 75,000.00
TOTALS			\$1,893,199.00	\$459,486.00	\$118,662.57	\$470,385.68	(\$79,167.20)	\$ 1,684,469.55

GARRISON DIVERSION CONSERVANCY DISTRICT						
Tax Collections Statement						
For Eight Months Ending August 31, 2023						
County	2023 Tax Levy Budget	2023 Tax Collections	Balance of Tax Levy Budget	2023 State Aid Budget	2023 State Aid	Balance State Aid Budget
Barnes	\$77,000	\$86,360	(9,360)	\$4,000	\$4,081	(\$81)
Benson	32,000	35,407	(3,407)	3,000	2,794	206
Bottineau	55,000	61,769	(6,769)	3,000	2,916	84
Burleigh	490,000	581,427	(91,427)	22,000	23,670	(1,670)
Cass	904,000	1,060,454	(156,454)	42,000	45,866	(3,866)
Dickey	41,000	45,037	(4,037)	3,000	3,305	(305)
Eddy	13,000	15,526	(2,526)	2,000	1,838	162
Foster	27,000	29,365	(2,365)	5,000	4,746	254
Grand Forks	290,000	324,133	(34,133)	9,000	9,545	(545)
Griggs	19,000	20,373	(1,373)	2,000	1,836	164
LaMoure	40,000	42,362	(2,362)	3,000	3,319	(319)
McHenry	46,000	50,495	(4,495)	2,000	1,913	87
McKenzie	321,000	373,923	(52,923)	23,000	24,534	(1,534)
McLean	75,000	81,778	(6,778)	6,000	6,421	(421)
Nelson	24,000	26,648	(2,648)	2,000	1,784	216
Pierce	31,000	33,211	(2,211)	2,000	2,395	(395)
Ramsey	57,000	63,524	(6,524)	4,000	4,412	(412)
Ransom	36,000	39,717	(3,717)	-	-	-
Renville	22,000	24,608	(2,608)	2,000	2,135	(135)
Richland	95,000	107,628	(12,628)	-	-	-
Sargeant	34,000	39,413	(5,413)	2,000	2,247	(247)
Sheridan	14,000	15,904	(1,904)	3,000	3,171	(171)
Steele	28,000	30,832	(2,832)	2,000	1,537	463
Stutsman	120,000	133,976	(13,976)	6,000	6,662	(662)
Traill	53,000	60,647	(7,647)	3,000	3,056	(56)
Ward	302,000	337,259	(35,259)	15,000	15,991	(991)
Wells	40,000	43,562	(3,562)	3,000	2,938	62
Williams	364,000	404,765	(40,765)	7,000	7,169	(169)
Totals	\$ 3,650,000	\$4,170,103	\$ (520,103)	\$ 180,000	\$ 190,281	\$ (10,281)

GARRISON DIVERSION CONSERVANCY DISTRICT WATER ASSISTANCE GRANT PROGRAM OUTSTANDING PROJECTS June 1, 2021 to August 31, 2023										
COUNTY	Sponsor	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 1-1-21 to 12-31-22	EXPENDITURES 1-1-23 to 08-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 08-31-23	
Barnes	BRWD	Finger, Blake	08-24-23		\$ 9,775.00				\$ 9,775.00	
Bureigh	SCRWD	Leier, Tavi	08-15-22	\$ 1,351.00				\$ 1,351.00	\$ -	
Benson	ASWUD	Sten, Tiffany	08-24-23		\$ 10,000.00		\$ 10,000.00		\$ -	
Benson	CPWD	Foss, Scott	08-24-23		\$ 10,000.00				\$ 10,000.00	
Cass	CRWD	Link, Steve	05-10-23		\$ 10,000.00				\$ 10,000.00	
Cass	CRWD	Nudell, Riggs	05-10-23		\$ 10,000.00				\$ 10,000.00	
Cass	CRWD	Pfeifer, Alex	05-10-23		\$ 10,000.00				\$ 10,000.00	
Cass	CRWD	Richard, Leroy	05-10-23		\$ 10,000.00				\$ 10,000.00	
Cass	CRWD	Claus, Dylan	08-24-23		\$ 9,025.00				\$ 9,025.00	
Cass	CRWD	Korthof, Jack	08-24-23		\$ 8,413.00				\$ 8,413.00	
Eddy	GRWD	Harding, Logan	05-10-23		\$ 2,825.00		\$ 2,300.00		\$ 525.00	
Eddy	GRWD	Snyder, Dale	05-10-23		\$ 7,150.00				\$ 7,150.00	
Eddy	GRWD	Topp, Ryan	05-10-23		\$ 10,000.00				\$ 10,000.00	
McKenzie	MCWRD	Heiser, Lynn	08-15-22	\$ 6,188.00			\$ 6,188.00		\$ -	
McKenzie	MCWRD	Linseth, Elyce & Tyler	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -	
McLean	NPRWD	Andes, Hunter	08-24-23		\$ 8,463.00				\$ 8,463.00	
Nelson	TCRWD	Reinhart, Marlin	08-11-21	\$ 10,000.00				\$ 10,000.00	\$ -	
Ramsey	GRWD	Klemetsrud, Scott	05-18-22	\$ 1,650.00			\$ 1,650.00		\$ -	
Ramsey	GRWD	Lacina, Tane	08-15-22	\$ 5,550.00		\$ 4,125.00			\$ 1,425.00	
Ramsey	GRWD	Newgard, Brent	05-10-23		\$ 10,000.00				\$ 10,000.00	
Ramsey	GRWD	Shoenfish, Evan	05-10-23		\$ 10,000.00				\$ 10,000.00	
Ransom	BRWD	Smith, Wyatt	08-24-23		\$ 4,000.00				\$ 4,000.00	
Ransom	SEWUD	Johanneson, Deb	08-24-23		\$ 10,000.00				\$ 10,000.00	
Renville	USWD	Frame, Jane	05-18-22	\$ 6,550.00					\$ 6,550.00	
Richland	SEWUD	Andvik, Bruce & April	08-11-21	\$ 10,000.00			\$ 10,000.00		\$ -	
Richland	SEWUD	Wolters, Andy	08-15-22	\$ 8,475.00					\$ 8,475.00	
Sargent	SEWUD	Schmidt, Anthony	08-24-23		\$ 6,287.00				\$ 6,287.00	
Sargent	SEWUD	Storhaug, Travers & Brittany	08-24-23		\$ 2,035.00				\$ 2,035.00	
Stutsman	SRWD	Carlson, Layne	06-01-21	\$ 9,000.00				\$ 9,000.00	\$ -	
Stutsman	SRWD	Carlson, Ryan	06-01-21	\$ 9,000.00				\$ 9,000.00	\$ -	
Stutsman	SRWD	Christenson, Gordon	06-01-21	\$ 1,500.00				\$ 1,500.00	\$ -	
Stutsman	SRWD	Dunwoody, Clint	06-01-21	\$ 10,000.00				\$ 10,000.00	\$ -	
Stutsman	SRWD	Sabinash, Mike	06-01-21	\$ 10,000.00				\$ 10,000.00	\$ -	
Stutsman	SRWD	Reich, Becky	08-11-21	\$ 4,500.00			\$ 4,500.00		\$ -	
Stutsman	SRWD	Wahl, John	05-18-22	\$ 1,630.00					\$ 1,630.00	
Stutsman	SRWD	Dick, Lee	05-10-23		\$ 10,000.00				\$ 10,000.00	
Stutsman	SRWD	Haas, Eric	05-10-23		\$ 580.00				\$ 580.00	
Stutsman	SRWD	Kleven, Allen	05-10-23		\$ 1,120.00				\$ 1,120.00	
Stutsman	SRWD	Sortland, Brady	05-10-23		\$ 10,000.00				\$ 10,000.00	
Stutsman	BRWD	Peterson, Matt	08-24-23		\$ 10,000.00				\$ 10,000.00	
Stutsman	SRWD	Collins, Cecelia	08-24-23		\$ 2,565.00				\$ 2,565.00	
Stutsman	SRWD	Kamletz, Richard	08-24-23		\$ 1,950.00				\$ 1,950.00	
Stutsman	SRWD	Kienzle, Linda	08-24-23		\$ 2,250.00				\$ 2,250.00	
Stutsman	SRWD	Michel, Cody	08-24-23		\$ 3,210.00				\$ 3,210.00	
Stutsman	SRWD	Zillmer, Jordan & Erica	08-24-23		\$ 10,000.00				\$ 10,000.00	
Ward	NPRWD	Hendrickson, Joann & Duwayne	08-15-22	\$ 2,197.00					\$ 2,197.00	
Ward	NPRWD	Keller, Dean	08-15-22	\$ 1,182.00					\$ 1,182.00	
Ward	NPRWD	Wing, Michael & Crystal	08-15-22	\$ 2,469.00					\$ 2,469.00	
Ward	NPRWD	Clark, Wade	08-24-23		\$ 10,000.00				\$ 10,000.00	
Wells	CPWD	Erdman, Kyle	05-10-23		\$ 10,000.00				\$ 10,000.00	
Wells	CPWD	Radamacher, Delaine	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -	
Wells	CPWD	Schmaltz, Jeremy	10-06-22	\$ 10,000.00			\$ 10,000.00		\$ -	
		City of Hannaford	2/10/2023	\$ 20,000.00			\$ 20,000.00		\$ -	
TOTALS					\$ 131,242.00	\$ 239,873.00	\$ 4,125.00	\$ 84,638.00	\$ 50,851.00	\$ 231,501.00

Bureau of Reclamation Activities

Garrison Diversion Executive Board of Directors Meeting
September 14, 2023

Municipal, Rural, and Industrial Program

Rural Water Budgets:

Rural Water Budgets	Final FY 2022*	FY2023*
GDU	81.357	38,425
State	51.177	15.450
Tribe	30.180	22.975
Lewis & Clark	97.414	78.600
Fort Peck	24.191	15.000
Rocky Boys	76.004	97.321
Musselshell- Judith	37.000	27.600
E NM	177.400	96.140
Total	493.366	353.086

*Includes BIL funding and additional earmarked funding

State Municipal Rural and Industrial Program

Northwest Area Water Supply (NAWS)

Construction activities are substantially complete or complete on the following projects: the distribution pipeline to Westhope (Contract 2-4D); the Lansford Reservoir and Pipeline (Contract 4-3A/5-3A); Westhope to Souris pipeline (Contract 2-4B); and Minot Water Treatment Plant (WTP) Improvements Phase II (Contract 7-1B).

Construction is ongoing for the Biota Water Treatment Plant Phase I (Contract 7-2A/4-1A), Snake Creek Pumping Plant Intake Modification (Contract 6-1A), and the South Prairie Reservoir and Hydraulic Control Structure (Contract 5-1A/B). Contract 4-4B/5-4B Bottineau Reservoir and Pump Station has been awarded and had a preconstruction meeting. Construction should begin this summer. Contract 2-1E Snake Creek Pumping Plant Discharge Pipeline was advertised and a contract awarded. A preconstruction meeting is being scheduled. The Minot WTP Phase III (Contract 7-1C), the Souris Reservoir & Pump Station (Contract 4-4A/5-4A) and the Biota WTP Phase II (Contract 7-2B/4-1B) projects are in the design phase.

Contract 4-4B/5-4B Bottineau Reservoir and Pump Station and Contract 2-1E, Snake Creek Pumping Plant Discharge Pipeline project will be funded with Bipartisan Infrastructure Law (BIL) funds (65 percent) State funds (35 percent). Reclamation is processing a modification request to add these two projects to the scope of work of the newest cooperative agreement.

Until these projects are added to the scope of work to the new cooperative agreement being established for BIL funded projects, Federal funds cannot be used to pay project expenses.

Reclamation has drafted an Operations & Maintenance agreement for the NAWS Biota Water Treatment Plant. The State Water Commission and the City of Minot will be parties to this agreement. A second meeting to discuss this was held on July 11, 2023. Reclamation shared a draft Memorandum of Agreement to the Department and the City for review and they have provided comment. Reclamation is considering these comments, along with internal review comments and will share a revised draft with the group. The goal is to have an agreement executed by October 1st. A subsequent cooperative agreement between Reclamation and the State Water Commission will be the funding mechanism by which Reclamation can provide Federal funds for the Operations and Maintenance of the Biota Water Treatment Plant.

In May 2023, Reclamation hosted a meeting of the NAWS Biota WTP Adaptive Management Team and shared a revised draft of the Adaptive Management Plan to the team for their review and comment. Comments were requested by July 1, 2023, and a couple team members requested an extension. Comments have been received by the Department of Water Resources and the Environmental Protection Agency (EPA). Reclamation will review the comments received and revise the draft Plan as appropriate and share it with team members. Another team meeting will be scheduled this fall.

Eastern North Dakota Alternate Water Supply (ENDAWS)

Reclamation, Garrison staff, and Garrison's consultant met to discuss proposed reroutes of the ENDAWS pipeline based on input from the U.S. Fish & Wildlife Service. Reclamation concurred with the reroutes and will coordinate sharing this information with the U.S. Fish & Wildlife Service at Audubon refuge. Discussions on this topic continue to ensure compliance with National Environmental Policy Act (NEPA) commitments. The purchase of easements for this project has been included in the cooperative agreement (R17AC00049) as an approved activity.

Southwest Pipeline Project

Contract 1-2A, Supplementary Raw Water Intake – The marine and pipe contractors encountered some unanticipated issues with the horizontal drilling. Additional geotechnical assessments are almost complete, and the Department of Water Resources is working with the contractor on a claim filed.

Cooperative Agreement

Reclamation and Garrison Diversion's working relationship for the State Municipal, Rural, and Industrial (MR&I) Program is defined by the terms of a Cooperative Agreement (R17AC00049). Seventeen modifications have been completed for this agreement for the purposes of adding construction projects, engineering projects, and/or obligating funds to the agreement. Reclamation issued a modification to obligate the FY2023 appropriations to this agreement in June 2023.

A new cooperative agreement (R23AC00093) was executed in June to obligate FY2022 BIL funds (\$33,545,000) and included design and construction tasks associated with Phase II of the

NAWS Biota Water Treatment Plant in the scope of work. A modification to this agreement is in process to obligate the FY2023 BIL funding (\$5,000,000) and add the Bottineau Reservoir and Pump Station contract and the Snake Creek Pumping Plant Discharge Pipeline contract to the scope of work of the agreement. This modification is anticipated by the end of the Federal fiscal year which is September 30, 2023.

CLARIFICATION from previous quarterly report:

Last quarter the Dakotas Area Office reported that it had received clarification on the request for a waiver of the Buy American requirement associated with the Biota WTP Phase I construction contract. It had been determined that a waiver for this Phase I contract was not needed and Dakotas Area Office had verbally communicated this to the State and Garrison. Dakotas Area Office has recently been notified that this interpretation on a waiver has changed. **A waiver for Phase I is needed**, and until a waiver is received for this contract, FY 2023 appropriated funds available for the project cannot be expended. Dakotas Area Office is seeking additional explanation for this change, as well as asking for the status of the waiver that was submitted for this project months ago. Updates will be provided as Dakotas Area Office learns more.

Buy American Waiver: Reclamation is also pursuing a Rural Water Program waiver that would exempt all Reclamation's authorized rural water programs from the Buy America requirements. Dakotas Area Office will keep Garrison and the Department of Water Resources updated on this waiver request as well.

Indian MR&I Program

Standing Rock MR&I System

The Tribe has awarded the Standing Rock Water Treatment Plant Membrane Equipment Procurement project to WesTech Engineering, Inc., from Salt Lake City, Utah, in the amount of \$1,033,556.51. These ceramic membranes will be used to increase the water treatment capacity of the Standing Rock Water Treatment Plant from 3 MGD to 5 MGD. Bartlett & West is the engineer for this project. Change Order No. 1 has been processed, upgrading clean in place (CIP) and backwash pumps and increased the contract by \$117,391.78 for a total contract price of \$1,150,948.29. Bartlett & West has designed and prepared plans and specifications for the installation of the procured membranes. The installation contract was bid on February 11, 2021, with no bidders. The Installation Contract was readvertised with a bid opening of March 16, 2021. The Installation Contract received three bids with the low bid coming from American General Contractors, Inc. of Valley City, North Dakota in the amount of \$2,021,350.87. Notice to Proceed was issued on August 5, 2021. The Substantial Completion Date is March 31, 2022. Due to several of the construction supplies having long lead times, the Substantial Completion date will not be met. The ceramic membranes were delivered to the Standing Rock Water Treatment Plant on November 16, 2021. The latest update to the construction schedule indicates a completion in December 2023.

The demolition of the Fort Yates Water Treatment Plant and intake was advertised on October 29, 2021, with a bid opening held on November 30, 2021. There was one bid received in the amount of \$2,961,634.91 from Wagner Construction. This bid is \$1,471,928.36 below the Technical Service Center engineer's estimate of \$4,433,563.27. Wagner Construction is

currently in the process of submitting the submittals required by the contract specifications. The work includes the demolition of the Water Treatment Plant and associated features, the demolition of the intake site, and the reclamation of the lagoons and ponds. These features have been decommissioned from the Standing Rock Rural Water System and no longer serve a purpose. The Technical Service Center completed the 100 percent plans and specifications, and the Tribe's engineer, Bartlett & West, is administering the contract. The award of the Fort Yates Demolition project to Wagner Construction was approved at the February 2022 Tribal Council meeting and contract documents have been executed. A pre-construction conference was held on March 30, 2022. Construction began with reclamation of the lagoons and ponds in late October 2022 and continued into December when Wagner shut down due to adverse weather conditions. Wagner's construction crew was back on site in May 2023 working on the pond/lagoon area. Demolition of the WTP building started in August 2023.

Construction Contract 4-1 Schedule 1 was bid on July 7, 2022, with two bidders. The low bidder was Carstensen Contracting with a bid of \$4,147,931.08. This project includes installation of approximately 126,420 lineal feet of 2 inch through 4 inch diameter ASTM D2241 gasketed joint PVC pipe, connection of 24 services, an 8 inch water line relocation, wet tap tie-ins, road and stream crossings and all other related appurtenances. The final completion date is July 31, 2023. Carstensen Contracting started construction in late October 2022 and worked into December when they had to shut down due to adverse weather conditions. Carstensen started construction again June 5, 2023.

Construction Contract Kenel to State Line project was bid on April 22, 2022, with Storms Construction as the only bidder. Storms Construction's bid of \$5,330,759.91 was \$253,080.09 lower than the engineer's estimate. Reclamation has a cost share in this project of \$144,500. The remaining funding was a U.S. Department of Agriculture (USDA) grant. This project includes installation of 54,013 feet of 6 inch PVC SDR 17 water main, 1,458 feet of 12 inch yellow directional drilled casing, 4,845 feet of 6 inch HDPE directionally drilled piping, 36 air release valve pits with 560 feet of 1 inch PE 250 psi piping, 1 inch corporation stops and 1 inch curb stops, 2 pressure reducing valve vaults, 18 - 6 inch gate valves, 13 - 1 inch stainless steel saddle with 1 inch corporation stop, 14 - 1 inch curb stops, 1,294 feet of 1 inch HDPE 250 psi, 1,120 feet of 1 inch HDPE 200 psi, 1 - 1 ½ inch stainless steel saddle with corporation stop, 1 - 1 ½ inch curb stop, 940 feet 1 ½ inch PVC SDR 17, 15 meter pits, 6 - 2 inch flush hydrants, 100 feet of 1 inch HDPE non cased directional drilling, 1,000 feet of 2 inch HDPE non cased directional drilling, 7,200 feet of 4 inch PVC SDR 17, 4 inch gate valve, 4 inch flush hydrant, 85 feet of 8 inch yellow bored casing, 388 feet of 4 inch yellow bored casing and related materials and appurtenances. The pre-construction conference was held on August 4, 2022, and the notice to proceed was issued on August 10, 2022. The contract documents indicate the final completion date shall be no later than 250 calendar days after the notice to proceed. Storms Construction began installing the pipeline in August 2022. Storms Construction mobilized the first week of May 2023 and has continued installation of the rural water line through the summer.

Spirit Lake MR&I System

Preliminary design and right-of-way acquisitions continued on several projects including: Tokio Service Area, Service to Warwick School, and Warwick Service Area.

Fort Totten Community Upgrades' design has been completed by Indian Health Service (IHS). The project was bid in May, after the Grant of Right of Way was received from the Bureau of Indian Affairs (BIA). The low bidder was Storms Construction with a bid of \$3,106,992.07. The pre-construction conference was held on October 21, 2022. Storms Construction began construction on May 8, 2023, fusing pipe for directional drilling. The final completion date for this contract is October 31, 2023.

Reclamation staff has continued to work with the Tribe's operators to help resolve operation and maintenance issues with the B6 Booster Station, the St. Michael control vault, the Water Treatment Plant and most recently are working with Spirit Lake to set up pressure recorders in the Fort Totten community to help resolve low pressures within the community and at the IHS Clinic.

Fort Berthold Rural Water System (FBRWS)

The Tribe-FBRW has a growing need for temporary MR&I raw water intakes throughout the reservation. Reclamation will submit permit applications to the U.S. Army Corps of Engineers for the temporary intakes as the sites become known and adequate information is available to do so.

The Tribe-FBRW was awarded \$54.38 million of Infrastructure Investment and Jobs Act (IIJA) - Bipartisan Infrastructure Law (BIL) Aging Infrastructure funds. TAT passed a resolution to enter into a P.L. 93-638 Operations and Maintenance (O&M) contract with Reclamation for those funds. It is anticipated the Tribe will formally send a letter to Reclamation soon that requests a 638 contract. A Management Standards Review was conducted in July, which Reclamation requires before entering into a new contract. IHS anticipates awarding BIL funds to the Tribe, including for some projects received BIL funds from Reclamation. The Tribe passed resolutions to fund some projects, using non-Federal funds.

Each of the six Segment Representatives have plans for significant development in their Segments. When funds from Reclamation are not available, then other sources (Tribal dollars) would be used to cover the costs. Projects using non-Federal Tribal funds are anticipated to be conducted in a manner that meet Federal requirements, making the costs reimbursable if a new Dakota Water Resources Act construction ceiling is authorized.

A programmatic Environmental Assessment is being prepared for the Fort Berthold Rural Water System. It is anticipated to be completed in October/November 2023.

Turtle Mountain Rural Water System

Contract 3-2 Membrane Treatment Improvements - The membrane treatment project will address the formation of disinfection by-products caused by an organic component in the source ground water. Project re-advertised in September 2019, with two responsible bidders submitting bids, with apparent low bidder being approximately \$1 million over. Consultant negotiated with low bidder, and project was awarded in July 2020. Construction began fall 2020 with the project approaching substantial completion.

Contract 2-4 Thorne Reservoir and Booster Station – This project includes the construction of a 500,000-gallon raw water reservoir and booster pumping station, which will help to meet pressure and quantity demands on the system and will increase the efficiencies of the well field pumps. This project was advertised spring 2020, with all bids being \$3 million plus above engineer’s estimate. Consultant amended the Plans & Specs, and re-advertised fall 2020. Negotiations with contractor took place with the project being awarded spring 2021. Construction has begun with the foundation and walls of pump station being completed. Interior work continued through the winter with excavation of reservoir currently taking place with substantial completion scheduled for this fall.

Contract 1-10 Highway 43 Corridor Phase 3 – This project continues to add main line and service connections along Highway 43 west of the Lake Upsilon area (Phase 2). This project will complete a loop in the system to ensure reliable service to the community. Design is complete. Turtle Mountain worked with Rollet County as a project sponsor to secure North Dakota state grant funding. Project was advertised and awarded on August 10, 2022, with construction taking place this summer and construction being approximately 50 percent complete before winter shut down. Construction has restarted this spring with substantial completion scheduled for later summer 2023.

Contract 4-2 Belcourt Sewer and Water Phase 4 – This project will replace aging existing water and sewer lines within Belcourt. It does not have any Bureau of Reclamation funding. It was awarded and began construction in May 2022. Construction began summer 2022 and is approximately 85 percent complete.

Contract GP-20-J85 San Haven Water Main Replacement – Replacement of water main in the vicinity of San Haven. Plans and Specs were delivered to Reclamation for review, and comments were provided. The project was advertised and awarded in July 2022 with construction in progress.

Trenton Indian Service Area

The Hilltop Water and Sewer Replacement and Pressure Reducing Valve (PRV) Vault project was awarded to Teraflex Group, LLC for \$495,835 and construction work was started summer 2018. The project installed 2539 LF of water line and will replace the existing Booster Station B with a PRV to connect to the existing Western Area Water Supply mainline. User agreement with Western Area Water Supply is still being negotiated, with work on the PRV to be completed when agreement is finalized.

Principal Supply Works

Repayment Contract

Reclamation continues to collaborate with Garrison Diversion on the Municipal and Industrial (M&I) pricing for the capital repayment of the Garrison Diversion Unit Project. On June 29, 2022, Regional Director presented Garrison Diversion with a repayment cost of \$47,501 per cubic feet per second. Garrison Diversion did not accept the repayment cost presented and will be coordinating with North Dakota congressional staff for protentional legislation.

Snake Creek Pumping Plant (SCPP)

Reclamation continues discussion with the U.S. Army Corps of Engineers on the Snake Creek embankment foundation concerns. Reclamation has signed to be a cooperating agency with the Corps of Engineers in preparing their Dam Safety Modification Study and National Environmental Policy Act (NEPA) review. The preferred alternative removes the 43 feet reservoir restriction and focuses any future reservoir restrictions to be based on embankment performance data at the time. Reclamation and Garrison Diversion continue to prepare a feasibility design and cost estimate to provide water to Snake Creek Pumping Plant and the McClusky Canal should a Lake Audubon restriction be implemented.

McClusky and New Rockford Canals

Hazardous material investigations and clean-up were completed at the New Rockford office and shop complex. Bridge inspections are scheduled for October 2-6 for Reclamation owned bridge along McClusky and New Rockford Canals.

Irrigation

Jamestown Dam

Jamestown Dam Periodic Facility Review was rescheduled to September 13, 2023.

Turtle Lake and McClusky Canal Irrigation Areas

Reclamation and Garrison Diversion executed the irrigation repayment contract to increase the 2023 irrigated acres by 595 acres, to a total of 7,842.6. Reclamation will be modifying the project use power contract to include these acres for the 2024 irrigation season.

Standing Rock Irrigation Project

Tribe's FY23 Aging Infrastructure application through the Bipartisan Infrastructure Law funding for embankment stabilization geotechnical study at Eagle Unit was awarded. Tribe decided to modify existing 638 contract and started contract modification process. Data collected will be used for evaluating permanent repair options of the embankment in the future. Cannonball unit pump replacement and intake modification and inspection has been completed. At Eagle Unit a pipeline inspection of the 30" pipe to determine the integrity of it is in the schedule, since it has not been inspected since installation in 1985. Reclamation has worked with the Tribe and their irrigator to develop a long-term plan that addresses the future of their three irrigation units. This plan is being used to explore the availability of funds to complete their efforts.

Recreation Development

Chain of Lakes

User satisfaction surveys were conducted by campground hosts and they were able to collect 110. The data will be used as part of a government-wide reporting metric for recreation user satisfaction. Only one campground host is currently still active at East Park Lake and plans to be done around mid-September. The interagency agreement for law enforcement from National Park Service (NPS) was not completed this year, but we will try again next season.

Hoffer Lake completed their septic system repairs, and construction on the 4H building will soon be underway under a Title 28 cost share agreement.

North Dakota Natural Resources Trust

Andrea Gue attended the Natural Resource Trust Board Meeting on August 22, 2023. Marlena Lanini, the WaterSmart Coordinator from the Reclamation Regional Office, gave a virtual presentation of WaterSmart programs the Trust may be interested in applying for in the future.

Wildlife Program

Lonetree

New agreement for FY 23 is with the Regional Office.

Audubon

Reclamation and Fish and Wildlife Service staff will conduct the annual joint review of the Audubon Refuge mitigation features on August 31, 2023. New agreement for FY 23 is with the Regional Office.

Arrowwood

Reclamation and Fish and Wildlife Service staff conducted the annual joint review of the Arrowwood Refuge mitigation features on August 24, 2023.

Scattered Tracts

The fall semi-annual coordination meeting will occur at 10 a.m. on September 19, 2023, at Lonetree. The final Memorandum of Agreement (MOA) to modify the 1986 agreement is going through the finalization process within Reclamation. Each signatory will get a fully executed copy of the document in the upcoming weeks.

GARRISON DIVERSION CONSERVANCY DISTRICT						
MR&I Project Construction Report						
08/31/2023						
Project	Current Funding			2023		
	Federal MR&I Funding	Prior MR&I Fund Expenditures	MR&I Fund Expenditures	Total Expenditures	MR&I Funding Remaining	Federal MR&I Funding Remaining
ENDAWS	\$ 3,870,000.00	\$ 240,772.30	\$ 240,416.46	\$ 481,188.76	3,388,811.24	3,388,811.24
NAWS-Biota Treatment Plant	\$ 60,261,678.15	\$ 35,750,453.72	\$ 10,806,586.74	\$ 46,557,040.46	13,704,637.69	13,704,637.69
Biota WTP Ultra Violet Reactor	\$ 707,125.00	\$ 362,659.00	\$ 269,518.30	\$ 632,177.30	74,947.70	74,947.70
Biota WTP Dissolved Air Flotation Equip	\$ 1,843,870.00	\$ 80,500.00	\$ 1,275,250.00	\$ 1,355,750.00	488,120.00	488,120.00
NAWS-Westhope All Seasons III	\$ 4,186,000.00	\$ 3,415,729.46	\$	\$ 3,415,729.46	770,270.54	770,270.54
NAWS-Glenburn to Renville	\$ 3,058,343.00	\$ 2,689,518.18	\$	\$ 2,689,518.18	368,824.82	368,824.82
NAWS-Westhope to Souris River	\$ 3,514,026.00	\$ 3,210,130.47	\$	\$ 3,210,130.47	303,895.53	303,895.53
NAWS-Souris Corner to Bottineau	\$ 3,000,000.00	\$ 2,943,369.46	\$	\$ 2,943,369.46	56,630.54	56,630.54
Totals	\$ 80,441,042.15	\$ 48,693,132.59	\$ 12,591,771.50	\$ 61,284,904.09	\$ 19,156,138.06	\$ 19,156,138.06

GARRISON DIVERSION CONSERVANCY DISTRICT MR&I BIL Agreement Project Construction Report August 31, 2023						
Current Funding						
Project	Federal		2023		Total	Federal
	MR&I Funding	MR&I Fund Expenditures	MR&I Fund Expenditures	MR&I Funding Remaining		
NAWS	\$ 33,545,000.00	\$ -	\$ -	\$ -	-	33,545,000.00
Totals	\$ 33,545,000.00	\$ -	\$ -	\$ -	-	\$ 33,545,000.00



RED RIVER VALLEY WATER SUPPLY PROJECT

BID TABULATION SUMMARY



Red River Valley Water Supply Project
 Transmisson Pipeline East
 Sykeston to Carrington, Wells and Foster Counties, ND
 Contract 5D, Task Order 5534

Bid Opening 2:00 p.m. CST, Thursday, September 7, 2023

No.	Bidder	Env 1							Env 2					Bid Total	
		Attended Pre-bid Conference	Bid Bond Included in the Amount of 5 percent of Bid	Contractor's License or Certificate of Renewal Included	Non-Collusion Affidavit Included and Completed	EJCDC C-451 Qualifications Statement Completed	Meets General Contractor Qualification Requirements	Meets Tunneling Contractor Qualification Requirements	Proposed Subcontractors, Suppliers, and Manufacturers Questionnaire Included and Completed	Acknowledged Addendum No. 1	Acknowledged Addendum No. 2	Acknowledged Addendum No. 3	Acknowledged Addendum No. 4		Acknowledged Addendum No. 5
1	Thalle Construction	X	X	X	X	X	X	X	X	X	X	X	X	X	\$82,977,440.00
2	Oscar Renda	X	X	X	X	X	X	X	X	X	X	X	X	X	\$79,893,740.00
3	Carstensen Contracting	X	X	X	X	X	X	X	X	X	X	X	X	X	\$61,677,275.00
4	Harper Brothers Construction	X	X	X	X	X	X	X	X	X	X	X	X	X	\$88,095,345.00*
5															* read as \$88,286,505.00
6															
7															
8															
9															
	Engineer's Estimate														\$68,986,800.00
Garrison Diversion Conservancy District PO Box 140 Carrington, ND 58421 701-652-3194		District Engineer / Deputy Director of RRVWSP for Engineering Kip Kovar, PE September 7, 2023													



Black & Veatch Corporation
8400 Ward Parkway, Kansas City, MO 64114
P +1 913-458-3571 E RonnekampKA@bv.com

September 13, 2023

Garrison Diversion Conservancy District
Red River Valley Water Supply Project
Transmission Pipeline East
Task Order 5534, Contract 5D

BV Project 188972/409653

BV File 55.5534.3

Mr. Duane DeKrey
General Manager
PO Box 140
Carrington, ND 58421

Dear Mr. DeKrey:

This letter provides the bid results and a recommendation of award for the Transmission Pipeline East, Contract 5D project (the Project) to Carstensen Contracting, Inc. (Carstensen). Garrison Diversion Conservancy District held a bid opening at its Carrington Office on September 7, 2023, at 2 p.m. local time. A total of four bids were received; all bids were opened and read aloud. The bid results are as follows:

Table 1 – Bid Tabulation Summary

Contractor	Address	Bid Price (~10 miles of 72" pipe)	Delta Between Bidder and Apparent Low Bidder
Carstensen Contracting, Inc.	Dell Rapids, SD	\$61,677,275	--
Oscar Renda Contracting, Inc.	Grapevine, TX	\$79,893,740	\$18,216,465 or 29.5%
Harper Brothers Construction, LLC	Houston, TX	\$88,095,345	\$26,418,070 or 42.8%
Thalle Construction Co., Inc.	Hillsborough, NC	\$82,977,440	21,300,165 or 34.5%
Engineer's Estimate	Kansas City, MO	\$68,986,800	\$7,309,525 or 11.9%

Carstensen of Dell Rapids, South Dakota submitted the apparent low bid. Oscar Renda Contracting, Inc. of Grapevine, Texas submitted the apparent second low bid.

EVALUATION OF THE APPARENT LOW BIDDER'S BID

The engineer's opinion of probable construction cost (cost opinion) for the Project prepared by Black & Veatch (the Engineer) was \$68,986,800. One bidder had a lower Bid and three bidders had higher Bids than the Engineer's cost opinion. There was a \$7,309,525 or 11.9 percent difference between the apparent low bid and the Engineer's cost opinion. The Engineer's cost opinion was \$9,174,150 or 14.9 percent lower than the average of the four bids received.

A comparison of the Bids shows a difference of \$18,216,456 or 29.5 percent between the low Bid and the second low Bid. Because of this significant difference, the Engineer contacted the apparent low bidder to verify there were no errors made in preparation of Carstensen's bid. Carstensen, the apparent low bidder, confirmed it did not have any errors in its bid and it is standing by its bid of \$61,677,275. Bidders were given 24 hours to withdrawal a bid due to a substantiated error, with return of the bid security. Garrison Diversion nor the Engineer received such notice.

Based on discussions with the apparent low bidder following the bid opening, it is the Engineer's opinion that Carstensen has a good understanding of the Project and the key elements thereof. A review of their unit prices indicates a distribution like other bidders. The spread between the low



and second low came down to Carstensen's estimated efficiency and rate of pipe installation. The approximate \$18 million difference between the low and the second low is captured entirely in the installed price of the 72-inch transmission pipeline, Bid Item No. 2.

EVALUATION OF THE APPARENT LOW BIDDER'S QUALIFICATIONS

Garrison Diversion undertook a general contractor Prequalification Process earlier this year, which concluded on July 24, 2023. Through this process, seven general contractors were prequalified for the Owner's pipeline projects. Carstensen was among those firms prequalified having successfully demonstrated their qualifications and experience. Hence, a general contractor qualification submittal was not required of Carstensen for the Bid.

As you know, a critical part of the Project is the tunneling work, including installation of two 96-inch casing pipes under wetlands. Due to this fact, a Tunneling Contractor Qualifications Form was included in the specifications requiring the tunneling contractor or subcontractor to have minimum qualifications. Carstensen listed Minger Construction Companies, Inc. (Minger) as its tunneling subcontractor. Minger demonstrated through completion of the required Tunneling Contractor Qualifications Form that it meets minimum specified requirements. This is consistent with past determinations of Minger's qualifications; they were approved as a qualified tunneling contractor on both the Transmission Pipeline East Contract 5A and 5B projects. Minger has successfully completed the 5A tunnel for Garrison Diversion. Minger is currently constructing the 5B tunnel under the Canadian Pacific Railway a mile south and three miles east of Carrington. That work is progressing satisfactorily.

SUMMARY AND RECOMMENDATION

Given the Engineer's review of the bids, the prequalification of Carstensen as a pipeline general contractor for the Red River Valley Water Supply Project, and the Engineer's review of Minger's qualifications as a tunneling subcontractor, Black & Veatch recommends Garrison Diversion award the Project to the low bidder, Carstensen Contracting, Inc. for its Bid of \$61,677,275. The Bid is within the Project's biennium budget allocation and below the Engineer's cost opinion. Should you concur with Black & Veatch's recommendation, a Notice of Award will be prepared and forwarded to Garrison Diversion for signature. In addition, conformed copies of the Contract Documents, including the Agreement and required bonds, will be prepared and forwarded to Carstensen for execution.

If you have any questions concerning this Recommendation of Award for the subject project, please contact us.

Sincerely,
BLACK & VEATCH CORPORATION

Paul Boersma
Associate Vice President

BLACK & VEATCH CORPORATION

Kurt A. Ronnekamp
Sr. Project Manager

Enclosures

cc: Ms. Merri Mooridian, GDCD
Mr. Kip Kovar, GDCD
File

**RRVWSP Work Plan Update
September 8, 2023**

CONSTRUCTION

Wet Well Construction Contract 1

The project is closed, original contract price \$4,989,405.88 with change order 1 and 2 making the final contract price \$4,721,446.47.

Pipeline Construction

Contract 5A

The project is closed, original contract price \$8,366,201.00, with change order 1 and 2 making the final contract price of \$8,393,395.44.

Reclaimed Property



Typical Air Release Manhole



Contract 5B

The original pipe delivery of June 15, 2021, was delayed due to a surface blemish in the steel coil. To date, 6,741 feet have been installed out of the nine miles. High groundwater slowed the pipe installation progress.

For year 2023, contractor has been mobilizing, stripping topsoil, performing a significant amount of dewatering and prepping site for tunneling crew. The first pipe is expected to be installed on June 9.

To date, \$14,972,231.08 has been paid on the original contract amount of \$45,961,700.00. Change Order No. 1, 2 and 3 has been approved, leaving the current contract price at \$44,932,678.24.



Discharge Structure Construction

Final payment has been made. Original contract amount was \$1,516,955 plus Change Order No. 1 for \$4,929 for a final contract price of \$1,521,884.

Missouri River Intake Tunnel and Screen Final Design Contract 2

As the apparent low bidder at \$18,896,900, Michels was issued notice of award on June 9, 2021. A subcontractor is currently restoring the property, with seeding occurring this week. To date, \$18,198,634.82 has been paid on the original contract amount of \$18,896,000.00. Five change orders have been approved for a current contract price \$20,910,615.60.



Site Under Construction



Completed Missouri River Intake

DESIGN

The design team is also working with Reclamation and USFWS routing the ENDAWS pipeline through wetland and other various existing easements.

Contract 5D bid opening was held September 7, Contract 5C bid opening September 21 and Contract 6A will be scheduled for 2024.


BLACK & VEATCH
Black & Veatch Corporation

111 E Wisconsin Ave, Ste 1770

Milwaukee, WI 53202

P +1 414-455-1606 E BoersmaPM@bv.com

September 11, 2023

 Mr. Duane DeKrey, General Manager
 Garrison Diversion Conservancy District
 PO Box 140
 Carrington, ND 58421

 Red River Valley Water Supply Project
 BV Project Number 188972
 BV File Number 11.4221

 Subject: Modification to and Closeout of Previously Executed Task Orders
 2017-19, 2019-21, and 2021-23 Biennia Task Orders

Dear Mr. DeKrey,

The purpose of this document is to formalize adjustments to task orders, which are funded under Garrison Diversion's 2017-19, 2019-21, and 2021-23 biennia budgets, between Garrison Diversion and Black & Veatch. Modifications include both reductions of, and additions to previously executed task orders. The changes when considered in the aggregate represent a **(\$16,330)** net refund to Garrison Diversion. The revised aggregate upper limit of all 2017-19 biennium-funded task orders is reduced **(\$16,330)** to a revised upper limit of \$11,586,325. While some individual task orders in the 2019-21 and 2021-23 biennia require reallocation of funding, the aggregate upper limit of all 2019-21 and 2021-23 biennia-funded task orders remain unchanged.

Task order upper limit fee changes requested are as follow:

Status at Executed Amend	Task Order Number - Description	Current Upper Limit	Amount of Requested Change	Proposed Revised Upper Limit
2017 to 2019 Biennium				
Complete	TO 1312 Project Information Management System Selection	\$113,100	(\$7,666)	\$105,434
Complete	TO 8320 2019-21 Biennium Financial Planning Support	\$380,000	(\$4,669)	\$375,331
Complete	TO 9310 User Engagement Round 2	\$398,830	(\$3,995)	\$394,835
Complete	All other Unmodified 2017-19 Biennium Task Orders	\$10,710,725	\$0	\$10,710,725
Complete	Fee Subtotal 2017-19 Biennium	\$11,602,655	(\$16,330)	\$11,586,325

2019 to 2021 Biennium				
Complete	TO 1330 2019-2021 Biennium Program Management Services	\$166,191	\$0	\$166,191
Complete	TO 1340 Strategic Project Development and Communication Services	\$150,307	\$0	\$150,307

Status at Executed Amend	Task Order Number - Description	Current Upper Limit	Amount of Requested Change	Proposed Revised Upper Limit
Complete	TO 2620 MRIPS Ct 1 Wet Well and Site Development Construction Phase Services	\$612,000	\$0	\$612,000
Active	TO 2330 MRI Ct 2 Final Design and Bidding Assistance Services	\$1,444,000	\$68,129	\$1,512,129
Complete	TO 5630 TPE Ct 5A Construction Phase Services	\$868,145	(\$39,047)	\$829,098
Complete	TO 6610 SRO Ct 1 Discharge Structure and Site Development Construction Phase Services	\$193,000	(\$29,082)	\$163,918
Complete	All other Unmodified 2019-21 Biennium Task Orders	\$695,592	\$0	\$695,592
Active	Fee Total 2019-21 Biennium	\$4,129,235	\$0	\$4,129,235

2021 to 2023 Biennium				
Complete	TO 1410 Operations / Asset Management	\$106,000	\$0	106,000
Active	TO 2630 MRI Ct 2 Screen Structure and Tunnel Construction Phase Services	\$2,585,000	\$60,000	\$2,645,000
Complete	TO 5270 Pipeline Extensions Conceptual Design Update Phase 1	\$436,000	(\$104,270)	\$331,730
Complete	TO 5332 TPE Ct 5b Design and Bidding Assistance	\$545,000	\$0	\$545,000
Active	TO 7410 2021-23 Biennium Land Services Phase 1	\$649,000	\$58,054	\$707,054
Complete	TO 8410 2021 to 2023 Biennium Financial Planning Support	\$528,000	(\$13,784)	\$514,216
Complete	All other Unmodified 2021-23 Biennium Task Orders	\$12,453,584	\$0	\$12,453,584
Active	Fee Total 2021-23 Biennium	\$17,302,584	\$0	\$17,302,584

The additional fee shown above for TO 2330 (\$68,129) will compensate Black & Veatch and its consultants to complete the Washburn raw water transmission main alignment study and other design items as the need arises. The proposed transmission main will begin at the Missouri River Intake and extend to the Washburn Water Treatment Plant. We will build upon our planning work that was undertaken earlier this year to further define the route through on-the-ground reviews of the three planning-level alignments. Total funds available to complete the alignment study and other design items are about \$75,000 when unspent funds remaining under TO 2330 are considered. A more detailed scope of work will be provided prior to initiation of the study and other work.

The reallocation of funds outlined above for TO 2630 (\$60,000) will compensate Black & Veatch and its consultants for additional resident project representation provided to observe intake construction and to assist with project closeout activities. It will also cover the cost of additional

whooping crane and piping plover monitoring that was completed in the Spring of 2024. These additional efforts were necessary due to Michels Corporation’s schedule extensions via change order. Their schedule was extended a total of 60 calendar days beyond what was contemplated in the first reallocation request.

The credit offered back to Garrison Diversion under TO 5270 ((\$104,270)) is for deletion of Black & Veatch’s scope of work to provide preliminary design services for branch pipeline extensions under TO 5270. This work is now being completed under the new TO 9510, which is to provide outreach to the end users. TO 9510 will also allow us to assist end users with some branch pipeline preliminary design efforts to better define infrastructure necessary to get raw water from the main RRVWSP pipeline to the end users.

Finally, the additional fee shown above for TO 7410 (\$58,054) will compensate Black & Veatch and its consultants to provide eminent domain support to Garrison Diversion on an as-requested basis. Due to the unknown nature of this support, it was not included in the original land services scope of work under TO 7410. These additional funds would be used on an as-needed basis with an undefined scope of work. If the level of effort necessary to support Garrison Diversion with eminent domain proceedings exhausts these funds, an amendment to an existing task order or a new task order would be necessary. This is likely as the process is just starting and may extend for another two years.

If this information satisfactorily addresses and sufficiently justifies Black & Veatch’s request to reallocate funds within the two biennia shown above, please sign below and return an executed original for our records.

By: _____
Duane DeKrey, General Manager
Garrison Diversion Conservancy District

By: _____
Paul Boersma, Associate Vice President
Black & Veatch Corporation

Dated: _____

Dated: _____

cc: Ms. Merri Mooridian, Garrison Diversion
Mr. Kip Kovar, Garrison Diversion
Mr. Kurt Ronnekamp, BV
File

**Red River Valley Water Supply Project
Planning Level Budget**

August 31, 2023	Percent Complete	Current Estimate	Actual Expenses	Outstanding Expenses
Conceptual Design Subtotal		\$ 5,302,130	\$ 5,302,130	\$ -
Preliminary Design Subtotal		\$ 10,217,606	\$ 10,217,606	\$ -
Final Design Completed Subtotal		\$ 10,198,949	\$ 10,198,949	\$ -
Financial, Administration, Legal, Completed		\$ 1,397,474	\$ 1,397,474	\$ -
Land Acquisition Completed		\$ 1,593,004	\$ 1,593,004	\$ -
Subtotal Completed		\$ 28,709,162	\$ 28,709,162	\$ -
Financial Modeling/Cost Allocation	90%	\$ 1,521,047	\$ 1,371,997	\$ 149,050
Program Management Information System	93%	\$ 113,100	\$ 105,001	\$ 8,099
Stakeholder Support	80%	\$ 398,830	\$ 318,469	\$ 80,361
Subtotal	88%	\$ 2,032,977	\$ 1,795,466	\$ 237,511
Engineering/Land Acquisitions				
Missouri River Intake - Screen Structure Design	99%	\$ 1,444,000	\$ 1,436,627	\$ 7,373
Land Acquisition 2019/2021	94%	\$ 650,000	\$ 609,411	\$ 40,589
2019 to 2021 Biennium Program Management Services	100%	\$ 166,191	\$ 166,191	\$ (0)
Project Planning, Finance, Admin, etc.	56%	\$ 433,809	\$ 244,512	\$ 189,297
Final Design Transmission Pipeline - 5b	100%	\$ 545,000	\$ 545,000	\$ (0)
Final Design Transmission Pipeline - 5c & 5d	84%	\$ 970,000	\$ 819,650	\$ 150,350
Final Design Transmission Pipeline - 6	77%	\$ 4,000,000	\$ 3,071,609	\$ 928,391
Geotech Transmission Pipeline - 7	53%	\$ 397,000	\$ 209,070	\$ 187,930
Acquire Easements	16%	\$ 2,919,000	\$ 470,939	\$ 2,448,061
Admin/Finance/Legal	55%	\$ 2,739,677	\$ 1,514,341	\$ 1,225,336
Financial Modeling/Cost Allocation	97%	\$ 528,000	\$ 511,551	\$ 16,449
Pipeline Extensions	68%	\$ 436,000	\$ 295,809	\$ 140,191
Financial/Legal/Stakeholder	0%	\$ 583,093		\$ 583,093
Operational Plan Phase 1	100%	\$ 106,000	\$ 106,000	\$ -
Operational Plan Phase 2	59%	\$ 430,584	\$ 253,060	\$ 177,524
PMIS Procurement & Implementation	56%	\$ 498,000	\$ 276,634	\$ 221,366
Contractor Qualifications	45%	\$ 158,000	\$ 71,286	\$ 86,714
ENDAWS Land Services	21%	\$ 181,750	\$ 37,497	\$ 144,253
ENDAWS-Local Portion	109%	\$ 136,250	\$ 149,069	\$ (12,819)
Engineering & Land Acquisition Subtotal		\$ 14,582,677	\$ 9,273,915	\$ 5,308,762
Construction				
Pipeline 5A & Trenchless	93%	\$ 10,155,978	\$ 9,418,636	\$ 737,342
Construction Contract	100%	\$ 8,393,396	\$ 8,393,396	\$ (0)
Bidding Services	100%	\$ 75,621	\$ 75,621	\$ 0
Construction Phase Services	109%	\$ 868,145	\$ 949,618	\$ (81,473)
Contingency	<i>if needed</i>	\$ 818,816	\$ -	\$ 818,816
Discharge Structure	72%	\$ 2,436,800	\$ 1,750,168	\$ 686,632
Construction Contract	100%	\$ 1,521,884	\$ 1,521,884	\$ 0
Bidding Services	100%	\$ 40,736	\$ 40,736	\$ 0
Construction Phase Services	97%	\$ 193,000	\$ 187,549	\$ 5,451
Contingency	<i>if needed</i>	\$ 681,180	\$ -	\$ 681,180
Missouri River Intake Wetwell	94%	\$ 5,690,495	\$ 5,328,784	\$ 361,711
Construction Contract	95%	\$ 4,950,907	\$ 4,721,446	\$ 229,461
Bidding Services	100%	\$ 36,662	\$ 36,662	\$ (0)
Construction Phase Services	93%	\$ 612,000	\$ 570,676	\$ 41,324
Contingency	<i>if needed</i>	\$ 90,926	\$ -	\$ 90,926
Missouri River Intake Screen Structure & Tunnel	89%	\$ 23,495,616	\$ 20,953,594	\$ 2,542,022
Construction Contract	88%	\$ 20,910,616	\$ 18,398,635	\$ 2,511,981
Construction Phase Services	99%	\$ 2,585,000	\$ 2,554,959	\$ 30,041
Contingency	<i>if needed</i>	\$ -	\$ -	\$ -
Pipeline 5B	32%	\$ 51,600,000	\$ 16,649,820	\$ 34,950,180
Construction Contract	33%	\$ 44,644,077	\$ 14,843,464	\$ 29,800,613
Construction Phase Services	40%	\$ 4,486,000	\$ 1,806,356	\$ 2,679,644
Contingency	<i>if needed</i>	\$ 2,469,923	\$ -	\$ 2,469,923
Pipeline 5C				
Pre-Construction Services		\$ 26,825	\$ 26,825	\$ -
Construction Subtotal	58%	\$ 93,405,714	\$ 54,127,828	\$ 39,277,886
Total Program Budget	68%	\$ 138,730,530	\$ 93,906,372	\$ 44,824,159

FRYBERGER

— LAW FIRM —

MIA E. THIBODEAU
Duluth Office
mthibodeau@fryberger.com
218.725.6873

June 26, 2023

VIA EMAIL ONLY

Garrison Diversion Conservancy District
ATTN: Merri Mooridian, Administrative Officer
P.O. Box 140
Carrington, ND 58421

**Re: *Garrison Diversion Conservancy District
Approximately \$60,000,000 Taxable Revenue Bond***

Dear Ms. Mooridian:

The purpose of this letter is to set forth the role we propose to serve and responsibilities we propose to assume as bond counsel in connection with the issuance of the above-referenced obligation (the "Bonds") by the Garrison Diversion Conservancy District (the "Issuer").

Bond counsel is engaged as a recognized expert whose primary responsibility is to render an objective legal opinion with respect to the authorization and issuance of Bonds.

As bond counsel, we will: examine applicable law; prepare the resolution authorizing and securing the Bonds (the "Resolution") and other authorizing documents; consult with the parties to the transaction prior to the issuance of the Bonds; review certified proceedings; and undertake such additional duties as we deem necessary to render the opinion.

You have also asked that we undertake to review the Series D Interim Financing Agreement between the Issuers and users of the RRVWSP as it relates to matters relevant to the issuance of obligations, including tax exempt bonds of the Issuer.

Based on our discussions, the Issuer plans to finance a portion of the improvements for the Red River Valley Water Supply Project ("RRVWSP"), including completion of 43 miles of pipeline construction and the design of an additional 72 miles of pipeline, through a revolving

FRYBERGER, BUCHANAN, SMITH & FREDERICK, P.A.

CLOQUET
813 Cloquet Ave.
Cloquet, MN 55720
p: (218) 879-6830

DULUTH
302 West Superior St.
Ste 700
Duluth, MN 55802
p: (218) 722-0861

SUPERIOR
1409 Hammond Ave., Suite 330
Superior, WI 54880
p: (715)392-7405

ST. PAUL
c/o 302 West Superior St.
Ste 700
Duluth, MN 55802
p: (651)221-1044

fryberger.com

FRYBERGER, BUCHANAN, SMITH & FREDERICK, P.A.

June 26, 2023

Page 2

loan from the Bank of North Dakota (the "Lender"). The Bonds issued to evidence the loan from the Lender will be taxable obligations.

Subject to the completion of proceedings to our satisfaction relating to the Bonds and review of due diligence we determine necessary, we will render our opinion as to the authorization and issuance of the Bonds and as to the taxable status of the Bonds.

The opinion will be executed and delivered by us in written form on the date the Bonds are exchanged for its purchase price (or initial advance on the Bonds) (the "Closing") and will be based on facts and law existing as of the date the opinion is delivered. Upon delivery of the opinion, our responsibilities as bond counsel will be concluded with respect to this financing.

In rendering the opinion, we will rely upon the certified proceedings and other certifications of public officials and other persons furnished to us without undertaking to verify the same by independent investigation. We do not review the financial condition of the Issuer, the feasibility of the project to be financed with proceeds of the Bonds, or the adequacy of the security provided to owners of the Bonds, and we will express no opinion relating thereto.

In performing our services as bond counsel, our client will be the Issuer and we will represent its interests. We assume that other parties to the transaction will retain such counsel as they deem necessary and appropriate to represent their interests in this transaction. Our representation of the Issuer does not alter our responsibility to render an objective opinion as bond counsel.

As bond counsel, we will not assume or undertake responsibility for the preparation of an Official Statement or any other disclosure document with respect to the Bonds nor are we responsible for performing an independent investigation to determine the accuracy, completeness or sufficiency of any such documents. However, if a disclosure document will be adopted or approved by the Issuer, our responsibility will include the preparation or review of any description therein of: (i) North Dakota and federal law pertinent to the validity of the Bonds and the tax treatment of interest paid thereon; (ii) the terms of the Bonds, and (iii) our opinion.

Based upon (i) our current understanding of the terms, structure, size and schedule of the financing, (ii) the duties we will undertake pursuant to this letter, (iii) the time we anticipate devoting to the financing, and (iv) the responsibilities we assume, we estimate that our fees as bond counsel for the issuance of the Bonds would be approximately \$24,000, depending on the time involved. We estimate that our fees for review of the Series D Interim Financing Agreement between the Issuers and users of the RRVWSP as it relates to matters relevant to

FRYBERGER, BUCHANAN, SMITH & FREDERICK, P.A.

June 26, 2023

Page 3


the issuance of obligations, including tax exempt bonds of the Issuer would be approximately \$4,000-\$5,000. Such fees may vary: (i) if the principal amount of the Bonds actually issued differs significantly from the amount stated above, (ii) if material changes in the structure of the financing occur, or (iii) if unusual or unforeseen circumstances arise which require a significant increase in our time or responsibility. If at any time we believe that circumstances require an adjustment of our original fee estimate, we will consult with you. In addition, we will expect to be reimbursed for all out-of-pocket expenses, including travel costs, photocopying, deliveries, long distance telephone charges, filing fees, and other necessary office disbursements. We estimate that such out-of-pocket expenses will be in the range of \$150 to \$250.

If for any reason the financing is not consummated or is completed without the rendition of our opinion as bond counsel, we will expect to be compensated at our normal hourly rates (currently ranging from \$125 to \$350 depending on personnel) for time actually spent, plus out-of-pocket expenses. We will send a monthly invoice detailing all fees and costs.

If the foregoing terms of this engagement are acceptable to you, please so indicate by returning the enclosed copy of this letter signed by an appropriate officer, retaining the original for your files. We look forward to working with you.

Respectfully submitted,

FRYBERGER, BUCHANAN, SMITH
& FREDERICK, P.A.

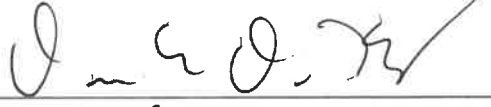
By 
Mia E. Thibodeau

FRYBERGER, BUCHANAN, SMITH & FREDERICK, P.A.

June 26, 2023
Page 4

Accepted and Approved:

GARRISON DIVERSION CONSERVANCY DISTRICT

By 
Its GM

Date: 28 June 23, 2023

INTEROFFICE MEMORANDUM

TO: Andrea Travnicek, Ph.D., Secretary
Patrick Fridgen, Planning and Education Division Director
Sarah Felchle, Accountant, Administrative Services

FROM: Julie Prescott, Cost-Share Manager

SUBJECT: NDSWC Cost-Share Request – Missouri River Joint Water Board
Missouri River Recovery Implementation Committee

DATE: August 14, 2023

Background & Description

The Missouri River Joint Water Board is requesting continued funding assistance for the 2023-2025 biennium. Cost-share support will provide funding for Terry Fleck or his designated alternative to participate in Missouri River Recovery Implementation Committee (MRRIC) meetings as a representative of upper-basin recreation stakeholder interests. MRRIC provides a forum for stakeholders, tribes, states, and federal agencies within the Missouri River Basin representing a diverse array of interests to collaborate on recommendations for addressing the needs of groups affected by river management actions.

Supplemental Information

Water Development Plan / Priority	-
Benefit-Cost Ratio	NR

(NR) Not Required

Schedule

Task	Dates
Begin	Jul. 2023
Completion	Jun. 2025

Cost-Share Funding Summary

	Project Funding	Approve	Recommend
Department of Water Resources	\$47,700		
Garrison Diversion Conservancy District	\$47,700		
Missouri River Joint Water Board	In-Kind Admin.		
Total	\$95,400		
Cost-Share 50% (Requested)	\$47,700		\$47,700

I recommend approval of this request by the Missouri River Joint Water Board for continued funding for the Missouri River Recovery Implementation Committee in an amount not to exceed \$47,700 for the 2023-2025 biennium. This approval is contingent on available funding.

Approval Signature and Date



8/17/2023

AT:jsp/PS/WRD/MRJ

**Agreement for Cost-Share Reimbursement
Missouri River Joint Water Board
Missouri River Recovery Implementation Committee**

1. PARTIES. This Agreement is between the Garrison Diversion Conservancy District (Garrison Diversion) and the Missouri River Joint Water Board (Sponsor).

2. GARRISON DIVERSION'S RESPONSIBILITY AND INTENT. Garrison Diversion will provide Sponsor with cost-share not to exceed \$47,700, as approved by the Garrison Diversion General Manager, to reimburse 50 percent of the actual eligible costs incurred by Terry Fleck or his designated alternate (Fleck) to attend Missouri River Recovery Implementation Committee (MRRIC) meetings as a representative of Sponsor during the 2023-2025 biennium, contingent on availability of funds and conditions of this Agreement. Garrison Diversion's intent in providing this funding to Sponsor is to help Sponsor financially afford the assistance of Fleck (Project). Sponsor retains sole and absolute discretion in the manner and means of carrying out the Project, except to the extent specified in this Agreement. Garrison Diversion is not a party to or obligated in any manner by contracts, agreements, or arrangements between Sponsor and Fleck, regardless of the source of funding used by Sponsor in said contracts. Fleck is not an employee, independent contractor, or agent of Garrison Diversion.

3. SPONSOR'S RESPONSIBILITIES. Sponsor must:

- a. Develop and maintain an agreement with Fleck that outlines Fleck's expected duties and obligations.
- b. Provide Garrison Diversion with MRRIC updates developed by Fleck following Fleck's attendance at MRRIC meetings.
- c. Request periodic payments from Garrison Diversion in writing, which must include the following:
 - i. Fleck's expenses for the period and a description of those expenses, including copies of actual invoices and receipts.
 - ii. Fleck's expenses for the period that were paid or that will be paid by anyone other than Garrison Diversion and a description of the specific amounts paid or that will be paid by others.
 - iii. Garrison Diversion's share of Fleck's expenses for the period.
- d. Keep an accounting of expenses incurred relative to Fleck's efforts concerning MRRIC and provide a final accounting to Garrison Diversion within 30 days of expiration of this Agreement.
- e. Prior to signature, inform Garrison Diversion and any other relevant party regarding Project of any errors, misinterpretations, changes,

modifications, miscalculations, incorrect Project descriptions, or any other information stated herein that is inaccurate.

4. **TERM.** The term of this Agreement is July 1, 2023 through June 30, 2025.

5. **ELIGIBLE COSTS.** Garrison Diversion will only reimburse what is deemed by the Department of Water Resources to be eligible costs. Garrison Diversion's obligations herein depend on the availability of Garrison Diversion funds. Garrison Diversion will not be obligated to pay any more than the equivalent of what the Department of Water Resources pays regarding this Project. Garrison Diversion will not cost-share in litigation costs unless there has been a separate authorization.

6. **INDEMNIFICATION.** Sponsor must require all subcontractors, other than state employed subcontractors, before commencement of an agreement between Sponsor and the subcontractor, to defend, indemnify, and hold harmless Garrison Diversion, from and against claims based on the vicarious liability of Garrison Diversion or its agents, but not against claims based on Garrison Diversion's negligent or intentional misconduct. This obligation to defend, indemnify, and hold harmless does not extend to professional liability claims arising from professional errors and omissions. The legal defense provided by subcontractor to Garrison Diversion under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for Garrison Diversion is necessary. Subcontractor also agrees to reimburse Garrison Diversion for all costs, expenses, and attorneys' fees incurred if Garrison Diversion prevails in an action against subcontractor in establishing and litigating the indemnification coverage required herein. This obligation continues after the termination of this Agreement.

7. **INSURANCE.** Garrison Diversion and Sponsor each must secure and keep in force during the term of this Agreement, from an insurance company, government self-insurance pool, or government self-retention fund authorized to do business in North Dakota, commercial general liability with minimum limits of liability of \$500,000 per person and \$2,000,000 per occurrence.

In addition, Sponsor must require all subcontractors, other than state employed subcontractors, before commencement of an agreement between Sponsor and the subcontractor, to secure and keep in force during the term of this Agreement, from insurance companies authorized to do business in North Dakota, the following insurance coverages:

- a. Commercial general liability, including premises or operations, contractual, and products or completed operations coverages (if applicable), with minimum liability limits of \$2,000,000 per occurrence.
- b. Automobile liability, including Owned (if any), Hired, and Non-owned automobiles, with minimum liability limits of \$500,000 per person and \$2,000,000 per occurrence.
- c. Workers' compensation coverage meeting all statutory requirements. The policy must provide coverage for all states of operation that apply to the performance of this contract.

- d. If subcontractor is domiciled outside State, employer's liability or "stop gap" insurance of not less than \$2,000,000 as an endorsement on the workers' compensation or commercial general liability insurance.

The insurance coverages listed above must meet the following additional requirements:

- e. Any deductible or other similar obligation under the policies is the sole responsibility of the subcontractor. The amount of any deductible is subject to approval by Garrison Diversion.
- f. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and must be placed with insurers rated "A-" or better by A.M. Best Company, Inc., provided any excess policy follows form for coverage. Less than an "A-" rating must be approved by Garrison Diversion. The policies must be in form and terms approved by the Garrison Diversion.
- g. Garrison Diversion will be defended, indemnified, and held harmless to the full extent of any coverage actually secured by the subcontractor in excess of the minimum requirements set forth above. The duty to defend, indemnify, and hold harmless Garrison Diversion under this Agreement is not limited by the insurance required in this Agreement.
- h. Garrison Diversion must be endorsed on the commercial general liability policy, including any excess policies, as additional insured. Garrison Diversion must have all the benefits, rights, and coverages of an additional insured under these policies that are not limited to the minimum limits of insurance required by this Agreement or by the contractual indemnity obligations of Sponsor.
- i. The insurance required in this Agreement, through a policy or endorsement, must include:
 - (1) A "Waiver of Subrogation" waiving any right to recovery the insurance company may have against Garrison Diversion;
 - (2) A provision that subcontractor's insurance coverage is primary (i.e., pay first) as respects any insurance, self-insurance, or self-retention maintained by Garrison Diversion and that any insurance, self-insurance, or self-retention maintained by Garrison Diversion must be in excess of the subcontractor's insurance and must not contribute with it;
 - (3) Cross liability/severability of interest for all policies and endorsements;
 - (4) The legal defense provided to Garrison Diversion under the policy and any endorsements must be free of any conflicts of interest, even if retention of separate legal counsel for Garrison Diversion is necessary;
 - (5) The insolvency or bankruptcy of the insured subcontractor must not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the

insured subcontractor from meeting the retention limit under the policy.

- j. Failure to provide insurance as required in this Agreement is a material breach of contract entitling Garrison Diversion to terminate this Agreement immediately.

8. BREACH. Violation of any provision of this Agreement by Sponsor constitutes breach of this Agreement. A breach obligates Sponsor to reimburse Garrison Diversion for all funds paid to Sponsor and relieves Garrison Diversion of all obligations under this Agreement.

9. AGREEMENT BECOMES VOID. This Agreement is void if not signed and returned by Sponsor within 60 days of Garrison Diversion's signature.

10. TERMINATION.

- a. Garrison Diversion may terminate this Agreement effective upon delivery of written notice to Sponsor, or a later date as may be stated in the notice, under any of the following conditions:
 - (1) If Garrison Diversion determines an emergency exists.
 - (2) If funding from federal, state, or other sources is not obtained and continued at levels sufficient to provide the funds necessary to comply with this Agreement. The parties may modify this Agreement to accommodate a reduction in funds.
 - (3) If federal or state laws or rules are modified or interpreted in a way that the services are no longer allowable or appropriate for purchase under this Agreement or are no longer eligible for the funding proposed for payments authorized by this Agreement.
 - (4) If any license, permit, or certificate required by law, rule, or this Agreement is denied, revoked, suspended, or not renewed.
 - (5) If Garrison Diversion determines that continuing this Agreement is no longer necessary or would not produce beneficial results commensurate with the further expenditure of public funds.
- b. Any termination of this Agreement is without prejudice to any obligations or liabilities of either Party already accrued prior to termination.
- c. The rights and remedies of any party provided in this Agreement are not exclusive.

11. APPLICABLE LAW AND VENUE. This Agreement is governed by and construed under the laws of the state of North Dakota. Any action to enforce this Agreement must be adjudicated exclusively in the District Court of Burleigh County, North Dakota.

12. SEVERABILITY. If any term of this Agreement is declared by a court having

jurisdiction to be illegal or unenforceable, the validity of the remaining terms is unaffected, and if possible, the rights and obligations of the parties are to be construed and enforced as if the Agreement did not contain that term.

13. SPOILIATION – PRESERVATION OF EVIDENCE. Sponsor agrees to promptly notify Garrison Diversion of all potential claims that arise or result from this Agreement. Sponsor must also take all reasonable steps to preserve all physical evidence and information that may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and grants to Garrison Diversion the opportunity to review and inspect the evidence, including the scene of an accident.

14. MERGER AND MODIFICATION. This Agreement constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified within this Agreement. This Agreement may not be modified, supplemented, or amended in any manner, except by written agreement signed by both parties.

**GARRISON DIVERSION
CONSERVANCY DISTRICT**

By:

DUANE DEKREY
General Manager

Date: _____

**MISSOURI RIVER JOINT
WATER BOARD**

By:

WADE BACHMEIER
Chairman

Date: _____

Garrison Diversion Conservancy District Combined Statement of Revenues and Expenses For the Eleven Months Ended November 30, 2023						
	General Fund	Municipal Rural, and Industrial Fund	Operations Maintenance Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
Beginning Bank Balance	\$8,320,277	\$4,595	\$380,008	\$249,723	\$172,668	\$9,127,271
Revenues:						
Irrigation Admin	974					974
Lease Income						-
Revenue from Sale of Fixed Assets			173,167			173,167
Miscellaneous Income	3,458				364	3,822
Interest Income	310,756	807	1,413		3,354	316,330
Tax Levy	4,264,453					4,264,453
State Aid Distribution	272,511					272,511
Contract Revenue	63,356	17,780,474	3,647,636	30,781,580	246,120	52,519,166
Non-Project Income	143,695		532,684			676,379
Total Revenues	\$5,059,203	\$17,781,281	\$4,354,900	\$30,781,580	\$249,838	\$58,226,802
Expenditures:						
Director Expense	230,500					230,500
Employee Expense	1,099,007	74,548	2,110,086			3,283,641
Administrative Expense	194,551	34,706	90,346			319,603
Public Education	70,323					70,323
Professional Services	437,502		222,698	296,912		957,112
Irrigation Development	241,018					241,018
Water Supply Projects	187,609					187,609
GDCD Recreation Project	708,685					708,685
DWRA Recreation Project	3,913					3,913
Maintenance & Repairs	41,848		977,559		203,826	1,223,233
Capital Purchases	673,086		402,188	30,810	18,769	1,124,853
Construction in Progress				29,933,783		29,933,783
MR&I Project Expenses		17,658,455				17,658,455
Principal Debt Payments				534,127	55,892	590,019
Interest Payments				128,856	19,205	148,061
Total Expenditures *	\$ 3,888,042	\$ 17,767,709	\$ 3,802,877	\$ 30,924,488	\$ 297,692	\$ 56,680,808
Transfer In/Out	430,306	(12,765)	(417,541)	-	-	\$ -
Revenues Over Expenditures	\$ 1,601,467	\$ 807	\$ 134,482	\$ (142,908)	\$ (47,854)	\$ 1,545,994
Net Change in Assets	(3,488,517)		1,246	1,500,121	(76)	\$ (1,987,226)
Ending Bank Balance	\$ 6,433,227	\$ 5,402	\$ 515,736	\$ 1,606,936	\$ 124,738	\$ 8,686,039

GARRISON DIVERSION CONSERVANCY DISTRICT				
INCOME BUDGET ANALYSIS STATEMENT				
For Eleven Months Ended November 30, 2023				
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2023	Income Received to November 30, 2023	Percentage of Amount Budgeted	Balance of 2023 Budget
Irrigation Admin	\$ 950	\$ 974	102.5%	\$ (24)
Lease Income	\$ -	\$ -		\$ -
Miscellaneous Income	\$ -	\$ 3,822	0.0%	\$ (3,822)
Revenue Sale of Fixed Assets	\$ -	\$ 173,167	0.0%	\$ (173,167)
Interest Income	\$ 33,120	\$ 316,330	955.1%	\$ (283,210)
Tax Levy	\$ 3,650,000	\$ 4,264,453	116.8%	\$ (614,453)
State Aid	\$ 180,000	\$ 272,511	151.4%	\$ (92,511)
General Fund Contract Revenue	\$ 70,000	\$ 63,356	90.5%	\$ 6,644
O&M Contract Revenue	\$ 4,890,000	\$ 3,647,636	74.6%	\$ 1,242,364
MR&I Contract Revenue	\$ 20,257,975	\$ 17,780,474	87.8%	\$ 2,477,501
RRVWSP Contract Revenue	\$ 25,400,000	\$ 30,781,580	121.2%	\$ (5,381,580)
Irrigation Fund Revenue	\$ 828,005	\$ 246,120	29.7%	\$ 581,885
Project Revenue	\$ -	\$ -	0.0%	\$ -
Non-Project Revenue	\$ 217,000	\$ 676,379	311.7%	\$ (459,379)
Total Revenues	\$55,527,050	\$58,226,802	104.9%	(\$2,699,752)

GARRISON DIVERSION CONSERVANCY DISTRICT						
Expense Budget Analysis Statement						
For Eleven Months Ended Nov 30, 2023						
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2022	Expenditures Charged to 2022 Budget	Budget for 2023	Expenditures to Nov 30, 2023	Percentage Spent Amount Budgeted	Balance of Budget
Expenses						
Director Expenses	\$ 270,000	\$ 235,483	\$ 221,000	230,500	104.3%	\$ (9,500)
Employee Expenses	\$ 3,746,366	\$ 3,350,365	\$ 3,508,000	3,283,641	93.6%	\$ 224,359
Administrative Expenses	\$ 431,335	\$ 317,442	\$ 452,500	319,603	70.6%	\$ 132,897
Public Education	\$ 151,840	\$ 135,407	\$ 157,000	70,323	44.8%	\$ 86,677
Professional Services	\$ 3,515,225	\$ 2,902,288	\$ 2,637,000	957,112	36.3%	\$ 1,679,888
Irrigation Development	\$ 911,200	\$ 881,346	\$ 260,875	241,018	92.4%	\$ 19,857
Water Supply Program	\$ 300,000	\$ 98,614	\$ 300,000	187,609	62.5%	\$ 112,391
GDCD Recreation Grant Program	\$ 600,000	\$ 541,988	\$ 850,000	708,685	83.4%	\$ 141,315
DWRA Recreation Program	\$ 10,000	\$ 4,512	\$ 10,000	3,913	39.1%	\$ 6,087
Irrigation District Expense	\$ 2,000	\$ -	\$ 2,000	-	0.0%	\$ 2,000
Maintenance & Repairs	\$ 1,611,040	\$ 1,187,210	\$ 1,794,100	1,223,233	68.2%	\$ 570,867
Capital Purchases	\$ 1,056,000	\$ 963,831	\$ 495,000	1,124,853	227.2%	\$ (629,853)
Construction in Progress	\$ 27,950,000	\$ 27,977,251	\$ 24,000,000	29,933,783	124.7%	\$ (5,933,783)
MR&I Fund	\$ 27,000,000	\$ 25,292,604	\$ 20,000,000	17,658,455	88.3%	\$ 2,341,545
Principal on Debt Repayment	\$ 479,831	\$ 479,483	\$ 315,000	590,019	187.3%	\$ (275,019)
Interest on Debt Repayment	\$ 68,660	\$ 68,656	\$ 67,000	148,061	221.0%	\$ (81,061)
Total Expenses	\$ 68,103,497	\$ 64,436,480	\$ 55,069,475	56,680,808	102.9%	\$ (1,611,333)
Transfers In/Out						
MR&I	\$ 22,000	\$ 20,311	\$ 23,000	12,765	55.5%	\$ 10,235
O&M	\$ 972,340	\$ 886,658	\$ 920,000	417,541	45.4%	\$ 502,459
Irrigation	\$ -	\$ -	\$ -	-	0.0%	\$ -
RRVWSP	\$ (1,451,491)	\$ (1,368,042)	\$ -	-	0.0%	\$ -
Total Transfers Out	\$ (457,151)	\$ (461,073)	\$ 943,000	430,306	45.6%	\$ 512,694
Total Expenses & Transfers Out	\$ 67,646,346	\$ 63,975,407	\$ 56,012,475	57,111,114	102.0%	\$ (1,098,639)

**GARRISON DIVERSION CONSERVANCY DISTRICT
EXPENSE BUDGET ANALYSIS STATEMENT
For Eleven Months Ended November 30, 2023**

	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 11/30/2023	Balance of Budget as of 11/30/2023	Percentage of Budget Spent
GENERAL FUND						
Directors Expense						
Directors Per Diem	\$ 130,000	\$ 120,037	\$ 133,000	\$ 110,260	\$ 22,740	82.9%
Directors Expense	\$ 140,000	\$ 115,445	\$ 88,000	\$ 120,240	\$ (32,240)	136.6%
Total Directors Expense	\$ 270,000	\$ 235,482	\$ 221,000	\$ 230,500	\$ (9,500)	104.3%
Employee Expense						
Employee Salaries	\$ 822,000	\$ 780,874	\$ 908,000	\$ 720,612	\$ 187,388	79.4%
General Manager Exp	\$ 35,000	\$ 15,160	\$ 21,000	\$ 10,798	\$ 10,202	51.4%
Travel	\$ 61,000	\$ 33,344	\$ 61,000	\$ 30,118	\$ 30,883	49.4%
Admn Officer - Merri Mooridian	\$ 25,000	\$ 17,711	\$ 25,000	\$ 17,939	\$ 7,062	71.8%
Dist. Engr - Kip Kovar	\$ 10,000	\$ 6,490	\$ 10,000	\$ 3,218	\$ 6,782	32.2%
Engineer - Ryan Anderson	\$ 5,000	\$ 1,901	\$ 5,000	\$ 2,067	\$ 2,933	41.3%
Dir. Comm. - Kim Cook	\$ 6,000	\$ 1,363	\$ 6,000	\$ 843	\$ 5,157	14.1%
Emp Exp Other	\$ 15,000	\$ 5,879	\$ 15,000	\$ 6,051	\$ 8,949	40.3%
Professional Development	\$ 17,000	\$ 5,500	\$ 17,000	\$ 1,411	\$ 15,589	8.3%
Employee Training	\$ 15,000	\$ 5,500	\$ 15,000	\$ 1,411	\$ 13,589	9.4%
Wellness Program	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ 2,000	0.0%
Benefits	\$ 406,000	\$ 332,717	\$ 427,000	\$ 336,068	\$ 90,932	78.7%
GDCD FICA	\$ 72,000	\$ 64,927	\$ 79,000	\$ 62,604	\$ 16,396	79.2%
Retirement	\$ 117,000	\$ 111,743	\$ 129,000	\$ 103,278	\$ 25,722	80.1%
Hospital & Life Insurance	\$ 177,000	\$ 136,698	\$ 175,000	\$ 131,092	\$ 43,908	74.9%
Unemployment Comp	\$ 1,000	\$ 307	\$ 1,000	\$ 3,621	\$ (2,621)	362.1%
Dental / Vision Ins.	\$ 14,000	\$ 11,637	\$ 14,000	\$ 9,815	\$ 4,185	70.1%
Work Force Safety	\$ 1,000	\$ 307	\$ 1,000	\$ 380	\$ 620	38.0%
Long-Term Disability Ins	\$ 9,000	\$ 7,098	\$ 10,000	\$ 6,343	\$ 3,657	63.4%
Vacation/Sick Leave Liability	\$ 15,000	\$ -	\$ 18,000	\$ 18,935	\$ (935)	105.2%
Total Employee Expense	\$ 1,341,000	\$ 1,167,595	\$ 1,434,000	\$ 1,099,007	\$ 334,994	76.6%
Administration						
Postage	\$ 7,000	\$ 3,057	\$ 6,000	\$ 3,977	\$ 2,023	66.3%
Communications	\$ 31,000	\$ 14,124	\$ 16,000	\$ 11,933	\$ 4,067	74.6%
Utilities	\$ 34,000	\$ 31,989	\$ 33,000	\$ 32,563	\$ 437	98.7%
Meetings & Events	\$ 10,000	\$ 8,602	\$ 5,000	\$ 25,084	\$ (20,084)	501.7%
Subscriptions/Publications	\$ 6,000	\$ 5,850	\$ 6,000	\$ 4,694	\$ 1,306	78.2%
Miscellaneous	\$ 6,000	\$ 2,916	\$ 4,000	\$ 1,340	\$ 2,660	33.5%
Data Processing	\$ 23,000	\$ 20,270	\$ 20,000	\$ 42,454	\$ (22,454)	212.3%
Employee Recruiting	\$ 5,000	\$ -	\$ 5,000	\$ -	\$ 5,000	0.0%
Supplies	\$ 18,000	\$ 10,135	\$ 14,000	\$ 10,479	\$ 3,521	74.9%
Small Office Equipment	\$ 14,200	\$ 10,886	\$ 20,000	\$ 1,308	\$ 18,692	6.5%
Dues	\$ 15,000	\$ 11,528	\$ 14,000	\$ 12,837	\$ 1,163	91.7%
Insurance	\$ 15,800	\$ 15,509	\$ 14,000	\$ 17,232	\$ (3,232)	123.1%
Annual Independent Audit	\$ 33,500	\$ 31,118	\$ 36,500	\$ 30,650	\$ 5,850	84.0%
Total Administration	\$ 218,500	\$ 165,984	\$ 193,500	\$ 194,551	\$ (1,051)	100.5%
Public Education						
GDCD Tours	\$ 10,000	\$ 5,000	\$ 10,000	\$ 3,000	\$ 7,000	30.0%
ND Water Users Ass'n Dues	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ -	100.0%
ND Water Coalition Dues	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ -	100.0%
ND Water Magazine	\$ 18,000	\$ 18,000	\$ 18,000	\$ 10,000	\$ 8,000	55.6%
Missouri River Joint Board	\$ 71,090	\$ 71,061	\$ 15,000	\$ 15,981	\$ (981)	106.5%
Upper Sheyenne	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000	0.0%
Conference Booth Fees, Sponsorships	\$ 9,750	\$ 6,940	\$ 20,000	\$ 7,342	\$ 12,658	36.7%
Miscellaneous	\$ 9,000	\$ 406	\$ 10,000	\$ -	\$ 10,000	0.0%
Total Public Education	\$ 151,840	\$ 135,407	\$ 157,000	\$ 70,323	\$ 86,677	44.8%

**GARRISON DIVERSION CONSERVANCY DISTRICT
EXPENSE BUDGET ANALYSIS STATEMENT
For Eleven Months Ended November 30, 2023**

	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 11/30/2023	Balance of Budget as of 11/30/2023	Percentage of Budget Spent
Professional Services						
Communications	\$ 160,000	\$ 109,375	\$ 140,000	\$ 127,379	\$ 12,621	91.0%
Engineering	\$ 125,000	\$ 43,248	\$ 125,000	\$ 18,452	\$ 106,548	14.8%
RRVWSP Development	\$ 469,000	\$ 65,640	\$ 456,000	\$ 110,099	\$ 345,901	24.1%
Technical Support for LAWA	\$ -	\$ -	\$ 15,000	\$ -	\$ 15,000	0.0%
Engineering	\$ 260,000	\$ 7,494	\$ 240,000	\$ 2,564	\$ 237,436	1.1%
Legal	\$ 133,000	\$ 51,674	\$ 125,000	\$ 57,582	\$ 67,418	46.1%
Financial	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ 10,000	0.0%
Consultants	\$ 50,000	\$ -	\$ 50,000	\$ 45,824	\$ 4,176	91.6%
Meeting, Misc. Exp	\$ 16,000	\$ 6,472	\$ 16,000	\$ 4,129	\$ 11,871	25.8%
Prof Services Other	\$ 30,000	\$ 22,793	\$ 45,000	\$ 16,524	\$ 28,476	36.7%
Legal Services	\$ 215,000	\$ 142,762	\$ 188,000	\$ 165,048	\$ 22,952	87.8%
Total Professional Services	\$ 999,000	\$ 383,818	\$ 954,000	\$ 437,502	\$ 516,498	45.9%
Irrigation Development						
ND Irrigation Association	\$ 50,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ 25,000	50.0%
NDSU Oakes Irrigation Site	\$ 202,575	\$ 174,680	\$ 167,875	\$ 196,308	\$ (28,433)	116.9%
Robert Titus Lease	\$ 16,625	\$ 16,484	\$ 17,000	\$ 16,083	\$ 917	94.6%
Irrigation Development	\$ 642,000	\$ 640,183	\$ 26,000	\$ 3,627	\$ 22,373	14.0%
Total Irrigation Development	\$ 911,200	\$ 881,347	\$ 260,875	\$ 241,018	\$ 19,857	92.4%
Recreation						
GDCD Recreation Grant Program	\$ 600,000	\$ 541,988	\$ 850,000	\$ 708,685	\$ 141,315	83.4%
DWRA Recreation Program	\$ 10,000	\$ 4,512	\$ 10,000	\$ 3,913	\$ 6,087	39.1%
Total Recreation	\$ 610,000	\$ 546,500	\$ 860,000	\$ 712,598	\$ 147,402	82.9%
Water Supply Grant Program	\$ 300,000	\$ 98,614	\$ 300,000	\$ 187,609	\$ 112,391	62.5%
Irrigation Districts Expense						
Irrigation Districts	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ 2,000	0.0%
Total Irrigation Districts Expense	\$ 2,000	\$ -	\$ 2,000	\$ -	\$ 2,000	0.0%
Maintenance & Repair						
Equipment Maintenance	\$ 31,000	\$ 30,543	\$ 27,000	\$ 19,079	\$ 7,921	70.7%
Small Yard Equipment Purchases	\$ -	\$ -	\$ 5,000	\$ -	\$ 5,000	0.0%
Land & Bldg Maintenance	\$ 40,000	\$ 39,476	\$ 35,000	\$ 9,876	\$ 25,125	28.2%
Auto Expense	\$ 15,000	\$ 13,462	\$ 15,000	\$ 12,893	\$ 2,107	86.0%
Total Maintenance & Repair	\$ 86,000	\$ 83,481	\$ 82,000	\$ 41,848	\$ 40,153	51.0%
Capital Purchases						
Office Equip & Furniture	\$ 181,000	\$ 177,157	\$ 20,000	\$ 5,450	\$ 14,550	27.3%
Yard Equipment	\$ 30,000	\$ 29,899	\$ 20,000	\$ -	\$ 20,000	0.0%
Vehicle	\$ 60,000	\$ 57,786	\$ 40,000	\$ -	\$ 40,000	0.0%
Land and Buildings	\$ 110,000	\$ 106,399	\$ 15,000	\$ 667,636	\$ (652,636)	4450.9%
Total Capital Purchases	\$ 381,000	\$ 371,241	\$ 95,000	\$ 673,086	\$ (578,086)	708.5%
Total General Fund	\$ 5,270,540	\$ 4,069,469	\$ 4,559,375	\$ 3,888,042	\$ 671,335	85.3%

**GARRISON DIVERSION CONSERVANCY DISTRICT
EXPENSE BUDGET ANALYSIS STATEMENT
For Eleven Months Ended November 30, 2023**

	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 11/30/2023	Balance of Budget as of 11/30/2023	Percentage of Budget Spent
IRRIGATION FUND						
McClusky Canal Irrigation:	\$ 722,800	\$ 536,062	\$ 446,100	\$ 222,595	\$ 223,505	49.9%
Construction	\$ 290,000	\$ 261,007	\$ -	\$ 18,769	\$ (18,769)	0.0%
Operations	\$ 432,800	\$ 275,055	\$ 446,100	\$ 203,826	\$ 242,274	45.7%
Debt Payments	\$ 217,000	\$ 216,648	\$ 382,000	\$ 75,097	\$ 306,903	19.7%
Principal	\$ 171,630	\$ 171,282	\$ 315,000	\$ 55,892	\$ 259,108	17.7%
Interest	\$ 45,370	\$ 45,366	\$ 67,000	\$ 19,205	\$ 47,795	28.7%
Total Irrigation Fund	\$ 939,800	\$ 752,710	\$ 828,100	\$ 297,692	\$ 530,408	35.9%
GDU O & M						
Salaries and Benefits	\$ 2,247,266	\$ 2,070,155	\$ 1,921,000	\$ 2,024,022	\$ (103,022)	105.4%
Salaries	\$ 1,446,050	\$ 1,366,860	\$ 1,183,000	\$ 1,346,799	\$ (163,799)	113.8%
Benefits	\$ 801,216	\$ 703,295	\$ 738,000	\$ 677,223	\$ 60,777	91.8%
Travel	\$ 17,115	\$ 7,099	\$ 14,000	\$ 26,323	\$ (12,323)	188.0%
Training	\$ 9,000	\$ -	\$ 4,000	\$ 3,238	\$ 761	81.0%
Utilities	\$ 87,000	\$ 79,965	\$ 93,000	\$ 72,186	\$ 20,814	77.6%
Contractual Services	\$ 2,066,225	\$ 2,004,988	\$ 423,000	\$ 222,698	\$ 200,302	52.6%
Supplies	\$ 624,000	\$ 552,792	\$ 225,000	\$ 437,538	\$ (212,538)	194.5%
Capital Purchases	\$ 385,000	\$ 296,614	\$ 400,000	\$ 402,188	\$ (2,188)	100.5%
Small Equipment Purchases	\$ -	\$ -	\$ 11,000	\$ -	\$ 11,000	0.0%
Equipment Rental	\$ -	\$ -	\$ 50,000	\$ -	\$ 50,000	0.0%
Equipment Maintenance	\$ 236,240	\$ 196,809	\$ 505,000	\$ 232,979	\$ 272,021	46.1%
Safety	\$ 58,985	\$ 33,676	\$ 53,000	\$ 56,503	\$ (3,503)	106.6%
Miscellaneous	\$ 22,000	\$ 14,435	\$ 13,000	\$ 18,160	\$ (5,160)	139.7%
Materials	\$ 232,000	\$ 79,073	\$ 475,000	\$ 307,042	\$ 167,958	64.6%
Total GDU O & M	\$ 5,984,831	\$ 5,335,606	\$ 4,187,000	\$ 3,802,877	\$ 384,122	90.8%
MR&I Fund						
Salaries & Benefits	\$ 73,000	\$ 71,839	\$ 82,000	\$ 74,548	\$ 7,452	90.9%
State Administration	\$ 103,835	\$ 57,058	\$ 153,000	\$ 34,706	\$ 118,294	22.7%
MR&I Project Expenditures	\$ 27,000,000	\$ 25,292,604	\$ 20,000,000	\$ 17,658,455	\$ 2,341,545	88.3%
Total MR&I Fund	\$ 27,176,835	\$ 25,421,501	\$ 20,235,000	\$ 17,767,709	\$ 2,467,291	87.8%
RRV Water Supply Project						
Right of Way	\$ 90,000	\$ 88,594	\$ 1,000,000	\$ 1,377,000	\$ (377,000)	137.7%
Design/Construction in Progress	\$ 27,950,000	\$ 27,923,627	\$ 24,000,000	\$ 28,587,593	\$ (4,587,593)	119.1%
Salaries & Benefits	\$ -	\$ -	\$ -	\$ -	\$ -	0.0%
Professional Services	\$ 520,000	\$ 513,482	\$ 400,000	\$ 296,912	\$ 103,088	72%
Financing/Legal/Administration	\$ 520,000	\$ 505,982	\$ 400,000	\$ 288,662	\$ 111,338	72.2%
Other Engineering	\$ -	\$ 7,500	\$ -	\$ 8,250	\$ (8,250)	0.0%
Debt Payments	\$ 331,491	\$ 331,491	\$ -	\$ 662,983	\$ (662,983)	0%
Principal	\$ 308,201	\$ 308,201	\$ -	\$ 534,127	\$ (534,127)	0.0%
Interest	\$ 23,290	\$ 23,290	\$ -	\$ 128,856	\$ (128,856)	0.0%
Total RRVWSP	\$ 28,891,491	\$ 28,857,194	\$ 25,400,000	\$ 30,924,488	\$ (5,524,488)	121.7%
TOTAL ALL FUNDS	\$ 68,263,497	\$ 64,436,480	\$ 55,209,475	\$ 56,680,808	\$ (1,471,332)	102.7%

GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES STATEMENT November 30, 2023	
OPERATING RESERVE	
Operating Reserve authorized to be established in the amount of \$300,000.00 per resolution of the Board dated January 15, 1970. Limit changed to \$330,000 by Board action on January 6, 1995. Reserve cap removed by Board action July 2, 1997.	\$4,990,933.99
O&M EMERGENCY RESERVE	
O&M Emergency Reserve to be established in the amount of \$500,000.00 by Article 13 (a) of the Master Contract and by action taken by the Board dated January 16, 1970. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$822,817.55 by Board action July 2, 1997.	750,000.00
DEFICIENCY RESERVE	
Deficiency Reserve to be established in the amount of \$750,000.00 by Article 13 (b) of the Master Contract. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$802,287.54 by Board action July 2, 1997.	750,000.00
PROJECT DEVELOPMENT RESERVE	
Project Development Reserve to be established in the amount of \$750,000.00 by resolution of the Board dated July 17, 1969. Limit changed to \$1,000,000.00 July 1982. Reserve capped at \$915,592.98 by Board action July 2, 1997.	915,592.98
TOTAL GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES	\$7,406,526.97

Garrison Diversion Conservancy District Funds in Bank of North Dakota November 30, 2023				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	Checking Account	0.60%		\$ (242,714.95)
General	Water Assistance Grant Matching	0.60%		\$ 178,288.00
General	Oakes Building Fund	0.60%		\$ -
General	Money Market Deposit Account	0.60%		\$ 2,881,118.20
General	Water Assistance Grant Reserve	0.60%		\$ 393,958.36
General	Accrued Leave-Operating Reserve	0.60%		\$ 179,559.71
Total Deposits				\$ 3,390,209.32

Garrison Diversion Conservancy District Funds in First International Bank & Trust November 30, 2023				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	CD 119434-Deficiency Reserve	0.50%	11/30/23	\$ 175,854.00
General	CD 118849-Deficiency Reserve	0.40%	01/29/24	\$ 200,000.00
General	CD 119130	4.00%	02/18/24	\$ 1,000,000.00
General	CD 80120161	5.50%	03/19/24	\$ 1,000,000.00
General	CD 80120162	2.35%	03/19/24	\$ 1,000,000.00
General	CD 80123425	5.50%	03/22/24	\$ 2,500,000.00
General	CD 119245	5.50%	03/30/24	\$ 1,000,000.00
General	CD 118850-Operating Reserve	4.00%	04/24/24	\$ 50,500.00
General	CD 118848-O&M Emergency Res.	4.10%	04/29/24	\$ 350,000.00
General	CD 119561-O&M Emergency Reserve	4.10%	05/01/24	\$ 83,682.45
General	CD 119070-Operating Reserve	4.10%	05/17/24	\$ 820,000.00
General	CD 118954	4.10%	05/19/24	\$ 500,000.00
General	CD 118955-Project Development	5.50%	07/19/24	\$ 353,362.19
General	CD 80120163	2.50%	09/19/24	\$ 1,000,000.00
Total Investments				\$ 10,033,398.64
General	Recreation Matching-Operating Reserve	2.00%		\$ 2,106,787.40
General	Money Market Funds	2.00%		\$ 264,388.82
General	Recreation Reserve-Operating Reserve	2.00%		\$ 671,840.52
Total Money Market Funds				\$ 3,043,016.74
Total Deposits				\$ 13,076,415.38
Pledging	Total Deposits			\$ 13,076,415.38
	Less:FDIC Coverage			(250,000.00)
	Deposit Balance to Secure			12,826,415.38
	Less: Pledging			16,624,375.05
Pledging Excess				\$ 3,797,959.67

BREMER BANK DEPOSIT AND PLEDGING SUMMARY November 30, 2023					
<i>Account Type</i>	<i>Balance</i>	<i>Interest Rate</i>	<i>Maturity Date</i>	<i>Deposit Insurance / Pledging Status</i>	
<i>Demand Deposit Accounts</i>					
Non-Interest Bearing Checking Accounts				Total Demand Deposits	\$2,122,672.28
				Less: FDIC Insurance Coverage	250,000.00
xxxx61	Operations & Maintenance Fund	515,734.72	0.00%	Demand Deposit Balance to Secure	\$1,872,672.28
xxxx52	Red River Valley Water Supply	1,606,937.56	0.00%	x 110%	1.10
Total Demand Deposits				Pledging Required on Demand Deposits	\$2,059,939.51
<i>Time and Savings Deposits</i>					
Interest Bearing Checking					
xxxx34	Irrigation Fund	124,738.50	0.45%		
xxxxx62	M R & I Working Fund	5,401.16	0.45%		
Total Interest Bearing Checking Balance				130,139.66	
Savings Accounts					
xxxx41	O&M - Accrued Leave Reserve	155,212.41	1.00%		
xxxxx63	Irrigation - Debt Service Reserve	255,741.55	1.00%		
Total Savings Balance				410,953.96	
Certificates of Deposit					
xxxx0394	Certificate of Deposit-Operating Reserve	47,000.00	0.65%	2/20/2024	
xxxx8862	Certificate of Deposit-Project Dev Reserve	252,054.00	0.65%	2/24/2024	
xxxx1061	Certificate of Deposit-Deficiency Reserve	124,146.00	0.65%	2/24/2024	
xxx907-1	Certificate of Deposit-Operating Reserve	542,000.00	4.00%	3/1/2024	
xxx906-1	Certificate of Deposit-Deficiency Reserve	250,000.00	4.00%	3/1/2024	
xxxxx803-1	Certificate of Deposit	1,000,000.00	4.05%	4/11/2024	
xxx591-1	Certificate of Deposit-OM Emergency Res.	210,000.00	4.15%	4/24/2024	
xxxxx106	Certificate of Deposit-OM Emergency Res.	106,317.55	4.15%	5/22/2024	
xxxxx30-1	Certificate of Deposit	2,000,000.00	4.15%	5/24/2024	Total Time & Savings Deposit Account Balance
xxxxx933-1	Certificate of Deposit-Project Dev Reserve	313,538.98	5.00%	8/30/2024	Less: FDIC Insurance Coverage
Total CD Balance					4,845,056.53
Total Time & Savings Deposit Account Balance					\$5,386,150.15
				Time & Savings Deposit Balance to Secure	\$5,386,116.15
				x 110%	1.10
Total Time & Savings Deposit Account Balance				Pledging Required on Time & Savings Deposits	\$5,924,727.77
Total Deposits				Total Pledging Required on all Deposits	\$7,984,667.27
				Pledged Security/Letter of Credit	\$11,238,962.00
				Pledging Excess	\$3,254,294.73

GARRISON DIVERSION CONSERVANCY DISTRICT
GDCD RECREATION GRANT PROGRAM
OUTSTANDING PROJECTS
July 1, 1990 to November 30, 2023

COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 04-23-15 to 12-31-2022	EXPENDITURES 1-1-23 to 11-30-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 11-30-23
Barnes	Sheyenne River Water Trail	04-29-21	\$ 51,005.00					\$ 51,005.00
Barnes	City Wimbledon-Bathroom/Park Upgrade	03-30-23		\$ 12,999.00		\$ 12,999.00		\$ -
Barnes	Valley City Parks-Hi-Line Pickleball Court	09-20-23		\$ 75,000.00				\$ 75,000.00
Bottineau	Kramer City Park	09-28-22	\$ 21,250.00					\$ 21,250.00
Bottineau	T-Bar Lift at Winter Park	09-28-22	\$ 75,000.00			\$ 75,000.00		\$ -
Bottineau	Turtle Mountain Pickle Ball	03-30-23		\$ 4,750.00		\$ 3,488.82	\$ (1,261.18)	\$ -
Bottineau	City of Landa-Restroom Facilitites	09-20-23		\$ 6,250.00				\$ 6,250.00
Burleigh	Steckel Boat Landing Picnic Shelter	04-29-21	\$ 6,000.00					\$ 6,000.00
Burleigh	4H Arena Play Area	09-23-21	\$ 31,291.00			\$ 31,291.00		\$ -
Burleigh	Sibley Campground Electrical Updates	09-23-21	\$ 36,746.00			\$ 36,746.00		\$ -
Burleigh	American Legion Splash Pad	09-28-22	\$ 30,000.00			\$ 17,232.25		\$ 12,767.75
Burleigh	Wilton North Park Pickle Ball Court	09-28-22	\$ 2,395.00			\$ 958.10		\$ 1,436.90
Cass	RRV Fair Campground Phase I	05-06-20	\$ 4,721.00				\$ (4,721.00)	\$ -
Cass	Casselton Parks Revitalization	10-01-20	\$ 1,995.00		\$ 605.00	\$ 655.00	\$ (735.00)	\$ -
Cass	Casselton Shared Use Path	09-23-21	\$ 50,000.00			\$ 50,000.00		\$ -
Cass	Mapleton Shared Use Path	09-23-21	\$ 50,000.00			\$ 50,000.00		\$ -
Cass	Brewer Lake Water Hook-ups	03-30-22	\$ 638.00					\$ 638.00
Cass	Tinta Tawa Park Restroom	03-30-22	\$ 9,575.00					\$ 9,575.00
Cass	West Fargo Park District Playground Imp	09-28-22	\$ 16,145.00					\$ 16,145.00
Cass	Harwood-Splash Pad	03-30-23		\$ 27,204.00				\$ 27,204.00
Cass	North Elmwood Park Restoration	03-30-23		\$ 24,323.00				\$ 24,323.00
Cass	Tower City Pickle Courts	03-30-23		\$ 4,700.00		\$ 4,666.75		\$ 33.25
Cass	Casselton-Governor's Share Use Path	09-20-23		\$ 75,000.00				\$ 75,000.00
Cass	Fargo Park-Pepsi Soccer Playground	09-20-23		\$ 62,500.00				\$ 62,500.00
Dickey	West Side Park Playground	04-29-21	\$ 7,520.00					\$ 7,520.00
Dickey	Ellendale Baseball Grandstand Reno	09-28-22	\$ 20,000.00					\$ 20,000.00
Dickey	Wilson Dam Picnic Shelter Renovation	09-28-22	\$ 1,778.00					\$ 1,778.00
Dickey	Ellendale-Ice Skating Rink Expansion	09-20-23		\$ 4,500.00				\$ 4,500.00
Dickey	Oakes -Main Street Park	09-20-23		\$ 26,125.00				\$ 26,125.00
Eddy	Warming House/Boat Rental Building	04-29-21	\$ 5,750.00					\$ 5,750.00
Foster	Foster County Fairgrounds Picnic Shelter	09-23-21	\$ 5,191.00					\$ 5,191.00
Foster	Baseball/Softball Diamond Renovations	03-30-22	\$ 75,000.00		\$ 12,507.93	\$ 24,797.50		\$ 37,694.57
Foster	Carrington West Park Renovation	03-30-22	\$ 61,202.00		\$ 22,500.00	\$ 16,006.00		\$ 22,696.00
Foster	Carrington -Baseball Diamond	09-20-23		\$ 26,906.00				\$ 26,906.00
Grand Forks	Bringewatt Park Water Station	09-23-21	\$ 10,000.00			\$ 10,000.00		\$ -
Grand Forks	Kraft Field Grandstand Replacement	09-28-22	\$ 75,000.00					\$ 75,000.00
Grand Forks	Manvel Community Park Improvement	09-28-22	\$ 12,699.00					\$ 12,699.00
Grand Forks	Lincoln Drive Park Family Games Area	03-30-23		\$ 10,000.00		\$ 10,000.00		\$ -
Grand Forks	Grand Forks -Kraft Field Turf Resurfacing	09-20-23		\$ 56,250.00				\$ 56,250.00
Griggs	Binford Park Playground Update	03-30-22	\$ 2,950.00			\$ 1,249.50		\$ 1,700.50
Griggs	Binford Rodeo Ass. Community Centre	09-28-22	\$ 75,000.00					\$ 75,000.00
LaMoure	Sunset Park Revitalization Phase II	05-06-20	\$ 45,000.00		\$ 27,025.23	\$ 1,000.00	\$ (16,974.77)	\$ -
LaMoure	LaMoure Park-Sunset Park Swim Center	09-20-23		\$ 75,000.00				\$ 75,000.00
McHenry	Upham Park Improvement	04-29-21	\$ 9,125.00		\$ 8,627.75			\$ 497.25
McHenry	Splash Pad	09-23-21	\$ 19,838.00		\$ 1,725.00			\$ 18,113.00
McHenry	City of Upham-Park Restrooms	03-30-23		\$ 12,500.00				\$ 12,500.00
McHenry	Towner -Baseball Field Renovation	09-20-23		\$ 3,750.00				\$ 3,750.00
McKenzie	Tobacco Garden Shower/Bathroom	03-30-23		\$ 40,071.00				\$ 40,071.00
McLean	Walking/Bike Path Underwood	05-06-20	\$ 15,668.00				\$ (15,668.00)	\$ -
McLean	Lakeside Park Gazebo/Riverdale	04-29-21	\$ 1,500.00					\$ 1,500.00
McLean	Playground Equipment-Coleharbor	09-23-21	\$ 23,460.00			\$ 7,709.63		\$ 15,750.37
McLean	Garrison Softball Field Renovation	09-28-22	\$ 75,000.00					\$ 75,000.00
McLean	City of Butte-City Park	03-30-23		\$ 874.00				\$ 874.00
McLean	Arena Announcer Office & Concessions	03-30-23		\$ 6,946.00				\$ 6,946.00
McLean	Nelson Park & Community Garden	03-30-23		\$ 12,750.00				\$ 12,750.00
McLean	Sportsmen's Centennial Park Boat Ramp	03-30-23		\$ 6,250.00		\$ 4,480.04	\$ (1,769.96)	\$ -
McLean	McLean-Dynamite Bay Public Stairs	09-20-23		\$ 1,618.00				\$ 1,618.00
Nelson	Tozna City Park Restrooms	10-03-18	\$ 21,933.00					\$ 21,933.00
Nelson	Stump Lake Playground	03-30-22	\$ 13,869.00			\$ 11,833.89	\$ (2,035.11)	\$ -
Nelson	Lakota Wading Pool	09-28-22	\$ 51,030.00			\$ 51,030.00		\$ -
Pierce	Buffalo Lake Camp Site	04-29-21	\$ 3,250.00		\$ 1,930.06			\$ 1,319.94
Pierce	Barton Park Picnic Tables/Play Gym	09-23-21	\$ 1,250.00					\$ 1,250.00
Pierce	Rugby-Jaycee's Splashpad	03-30-23		\$ 40,202.00				\$ 40,202.00
Ramsey	Roosevelt Park Activity Building	09-28-22	\$ 75,000.00					\$ 75,000.00
Ramsey	Devils Lake-Indoor Playground	09-20-23		\$ 37,500.00				\$ 37,500.00
Ramsey	Ramsey County-Multi-Purpose Event Center	09-20-23		\$ 75,000.00				\$ 75,000.00
Ransom	Dead Colt Walkway	04-29-21	\$ 23,750.00					\$ 23,750.00
Ransom	Sheldon Pickle Ball/BB Courts	03-30-22	\$ 5,262.00					\$ 5,262.00
Renville	Mouse River Park Campground Electrical	09-23-21	\$ 3,750.00			\$ 3,750.00		\$ -
Renville	Mohall Splash Pad	09-28-22	\$ 20,000.00			\$ 17,280.63		\$ 2,719.37
Renville	Mohall Splash Pad Phase II	03-30-23		\$ 6,875.00		\$ 6,875.00		\$ -
Richland	City Park Improvement-Abercrombie	04-29-21	\$ 34,682.00					\$ 34,682.00
Richland	Campground-Hankinson Park Board	04-29-21	\$ 29,984.00			\$ 15,789.61	\$ (14,194.39)	\$ -
Richland	Chaninkapa Park Multipurpose Shelter	03-30-22	\$ 42,000.00					\$ 42,000.00
Richland	Manatador Park Softball Dugouts	03-30-22	\$ 2,000.00					\$ 2,000.00
Richland	Wyndmere Park Board	03-30-22	\$ 10,728.00					\$ 10,728.00
Richland	Fairmount-Park Playground Equipment	03-30-23		\$ 9,750.00				\$ 9,750.00
Sargent	Silver Lake Bath House	05-06-20	\$ 6,377.00			\$ 6,377.00		\$ -
Sargent	North View Playground Milnor	03-30-22	\$ 14,210.00					\$ 14,210.00

GARRISON DIVERSION CONSERVANCY DISTRICT
GD CD RECREATION GRANT PROGRAM
OUTSTANDING PROJECTS
July 1, 1990 to November 30, 2023

COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 04-23-15 to 12-31-2022	EXPENDITURES 1-1-23 to 11-30-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 11-30-23
Sargent	Gwinner Aquatic Center	09-28-22	\$ 75,000.00			\$ 19,962.50		\$ 55,037.50
Sargent	Forman-Main Street Pocket Park	03-30-23		\$ 2,213.00			\$ (2,213.00)	\$ -
Sargent	Forman-Central Park Community Gardens	09-20-23		\$ 1,375.00				\$ 1,375.00
Sheridan	Hoffer Lake Beach & Swimming Develop.	09-23-21	\$ 4,093.00					\$ 4,093.00
Sheridan	Sheridan County-Hoffer Lake Rec Area	09-20-23		\$ 2,850.00				\$ 2,850.00
Steele	City Park Development-Colgate	04-29-21	\$ 6,250.00					\$ 6,250.00
Steele	Finley-Park Playground Equipment	03-30-23		\$ 13,750.00				\$ 13,750.00
Stutsman	Park Bench Project-Stutsman County	04-29-21	\$ 3,113.00					\$ 3,113.00
Stutsman	Electrical Upgrades for Campers	09-23-21	\$ 1,750.00					\$ 1,750.00
Stutsman	Field Renovation Phase I	09-28-22	\$ 75,000.00					\$ 75,000.00
Stutsman	Jamestown Reservoir Vault Toilet	09-28-22	\$ 6,204.00					\$ 6,204.00
Stutsman	4-H Horse Arena Improvement	03-30-23		\$ 8,843.00				\$ 8,843.00
Stutsman	Pedestrian Bridge Replacement	03-30-23		\$ 75,000.00				\$ 75,000.00
Stutsman	Lakeside Campground Improvements	03-30-23		\$ 5,574.00				\$ 5,574.00
Stutsman	Lawrence Trapper Softball Lighting	03-30-23		\$ 35,072.00		\$ 35,072.00		\$ -
Trail	Riverwalk Park & Trail System	05-06-20	\$ 89,973.00			\$ 42,149.05	\$ (47,823.95)	\$ -
Trail	Galesburg Playground	03-30-22	\$ 22,595.00		\$ 21,880.00			\$ 715.00
Trail	Hillsboro Park District	03-30-22	\$ 31,500.00			\$ 31,500.00		\$ -
Trail	Mayville-Basketball Courts	09-20-23		\$ 2,000.00				\$ 2,000.00
Trail	Mayville-Cometville Park Landscape	09-20-23		\$ 21,887.00				\$ 21,887.00
Trail	Mayville-Funbrella Shade	09-20-23		\$ 6,689.00				\$ 6,689.00
Ward	West Park-State Fair	05-06-20	\$ 26,450.00		\$ 21,861.60	\$ 4,588.40		\$ 0.00
Ward	Rice Lake Pavilion	05-06-20	\$ 26,950.00			\$ 26,950.00		\$ -
Ward	Ward County Parks 2022	03-30-22	\$ 10,632.00					\$ 10,632.00
Ward	11th & 11th Park Playground	09-28-22	\$ 21,875.00					\$ 21,875.00
Ward	Swimming Pool & Bathhouse	09-28-22	\$ 75,000.00					\$ 75,000.00
Ward	ND State Fair-Full Service Camping Hook-ups	03-30-23		\$ 21,375.00		\$ 21,375.00		\$ -
Ward	Talbott Court Disc Golf	03-30-23		\$ 2,465.00				\$ 2,465.00
Ward	Ward County-2024 Ward Co Park Improv	09-20-23		\$ 8,071.00				\$ 8,071.00
Ward	Minot-Pump Track	09-20-23		\$ 75,000.00				\$ 75,000.00
Wells	Fessenden-Splash Pad	09-20-23		\$ 49,250.00				\$ 49,250.00
Williams	Confluence Beautification	05-06-20	\$ 3,675.00				\$ (3,675.00)	\$ -
Williams	McGregor Dam Vault Toilet	04-29-21	\$ 17,500.00					\$ 17,500.00
Williams	Confluence Ramp	04-29-21	\$ 4,750.00					\$ 4,750.00
Williams	Coyote Clay Target League Range	03-30-22	\$ 55,872.00			\$ 55,872.00		\$ -
Williams	Wildrose Community Garden	03-30-22	\$ 1,000.00					\$ 1,000.00
Williams	BlackTail Beach Trail	09-28-22	\$ 22,500.00					\$ 22,500.00
Williams	Tioga Dam Trail & Park	09-28-22	\$ 24,000.00					\$ 24,000.00
Williams	Williston Water World	03-30-23		\$ 75,000.00				\$ 75,000.00
								\$ -
TOTALS			\$1,893,199.00	\$1,152,007.00	\$118,662.57	\$708,684.67	(\$111,071.36)	\$ 2,106,787.40

GARRISON DIVERSION CONSERVANCY DISTRICT						
Tax Collections Statement						
For Eleven Months Ending November 30, 2023						
County	2023 Tax Levy Budget	2023 Tax Collections	Balance of Tax Levy Budget	2023 State Aid Budget	2023 State Aid	Balance State Aid Budget
Barnes	\$77,000	\$88,432	(11,432)	\$4,000	\$5,811	(\$1,811)
Benson	32,000	36,209	(4,209)	3,000	3,984	(984)
Bottineau	55,000	62,997	(7,997)	3,000	4,815	(1,815)
Burleigh	490,000	590,365	(100,365)	22,000	33,715	(11,715)
Cass	904,000	1,090,699	(186,699)	42,000	65,847	(23,847)
Dickey	41,000	45,621	(4,621)	3,000	4,724	(1,724)
Eddy	13,000	15,757	(2,757)	2,000	2,619	(619)
Foster	27,000	30,130	(3,130)	5,000	7,110	(2,110)
Grand Forks	290,000	333,397	(43,397)	9,000	13,572	(4,572)
Griggs	19,000	20,653	(1,653)	2,000	2,616	(616)
LaMoure	40,000	43,167	(3,167)	3,000	4,745	(1,745)
McHenry	46,000	51,266	(5,266)	2,000	2,647	(647)
McKenzie	321,000	376,268	(55,268)	23,000	34,976	(11,976)
McLean	75,000	83,544	(8,544)	6,000	9,150	(3,150)
Nelson	24,000	27,419	(3,419)	2,000	2,540	(540)
Pierce	31,000	34,566	(3,566)	2,000	3,417	(1,417)
Ramsey	57,000	64,964	(7,964)	4,000	6,282	(2,282)
Ransom	36,000	40,662	(4,662)	-	-	-
Renville	22,000	24,817	(2,817)	2,000	3,037	(1,037)
Richland	95,000	110,257	(15,257)	-	-	-
Sargeant	34,000	40,248	(6,248)	2,000	3,296	(1,296)
Sheridan	14,000	16,124	(2,124)	3,000	4,544	(1,544)
Steele	28,000	31,405	(3,405)	2,000	2,190	(190)
Stutsman	120,000	137,314	(17,314)	6,000	9,480	(3,480)
Traill	53,000	61,982	(8,982)	3,000	4,358	(1,358)
Ward	302,000	346,691	(44,691)	15,000	22,745	(7,745)
Wells	40,000	44,622	(4,622)	3,000	4,107	(1,107)
Williams	364,000	414,877	(50,877)	7,000	10,184	(3,184)
Totals	\$ 3,650,000	\$4,264,453	\$ (614,453)	\$ 180,000	\$ 272,511	\$ (92,511)

GARRISON DIVERSION CONSERVANCY DISTRICT WATER ASSISTANCE GRANT PROGRAM OUTSTANDING PROJECTS June 1, 2021 to November 30, 2023									
COUNTY	Sponsor	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 1-1-21 to 12-31-22	EXPENDITURES 1-1-23 to 11-30-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 11-30-23
Barnes	BRWD	Finger, Blake	08-24-23		\$ 9,775.00		\$ 8,278.02	\$ 1,496.98	\$ -
Bureigh	SCRWD	Leier, Tavi	08-15-22	\$ 1,351.00				\$ 1,351.00	\$ -
Benson	ASWUD	Sten, Tiffany	08-24-23		\$ 10,000.00		\$ 10,000.00		\$ -
Benson	CPWD	Foss, Scott	08-24-23		\$ 10,000.00				\$ 10,000.00
Cass	CRWD	Link, Steve	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
Cass	CRWD	Nudell, Riggs	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
Cass	CRWD	Pfeifer, Alex	05-10-23		\$ 10,000.00				\$ 10,000.00
Cass	CRWD	Richard, Leroy	05-10-23		\$ 10,000.00				\$ 10,000.00
Cass	CRWD	Claus, Dylan	08-24-23		\$ 9,025.00				\$ 9,025.00
Cass	CRWD	Korthof, Jack	08-24-23		\$ 8,413.00				\$ 8,413.00
Dickey	SEWUD	City of Ludden	10-19-23		\$ 7,550.00				\$ 7,550.00
Eddy	GRWD	Harding, Logan	05-10-23		\$ 2,825.00		\$ 2,300.00		\$ 525.00
Eddy	GRWD	Snyder, Dale	05-10-23		\$ 7,150.00				\$ 7,150.00
Eddy	GRWD	Topp, Ryan	05-10-23		\$ 10,000.00				\$ 10,000.00
McKenzie	MCWRD	Heiser, Lynn	08-15-22	\$ 6,188.00			\$ 6,188.00		\$ -
McKenzie	MCWRD	Linseth, Elyce & Tyler	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
McLean	NPRWD	Andes, Hunter	08-24-23		\$ 8,463.00		\$ 7,496.21	\$ 966.79	\$ -
Nelson	TCRWD	Reinhart, Marlin	08-11-21	\$ 10,000.00				\$ 10,000.00	\$ -
Ramsey	GRWD	Klemetsrud, Scott	05-18-22	\$ 1,650.00			\$ 1,650.00		\$ -
Ramsey	GRWD	Lacina, Tane	08-15-22	\$ 5,550.00		\$ 4,125.00			\$ 1,425.00
Ramsey	GRWD	Newgard, Brent	05-10-23		\$ 10,000.00				\$ 10,000.00
Ramsey	GRWD	Shoenfish, Evan	05-10-23		\$ 10,000.00				\$ 10,000.00
Ramsey	GRWD	Wood, Steve	10-19-23		\$ 2,150.00		\$ 1,973.00	\$ 177.00	\$ -
Ransom	BRWD	Smith, Wyatt	08-24-23		\$ 4,000.00		\$ 3,022.76	\$ 977.24	\$ -
Ransom	SEWUD	Johanneson, Deb	08-24-23		\$ 10,000.00				\$ 10,000.00
Renville	USWD	Frame, Jane	05-18-22	\$ 6,550.00					\$ 6,550.00
Richland	SEWUD	Andvik, Bruce & April	08-11-21	\$ 10,000.00			\$ 10,000.00		\$ -
Richland	SEWUD	Wolters, Andy	08-15-22	\$ 8,475.00					\$ 8,475.00
Richland	SEWUD	Steffens, Darrin & Alissa	10-19-23		\$ 7,625.00				\$ 7,625.00
Sargent	SEWUD	Schmidt, Anthony	08-24-23		\$ 6,287.00				\$ 6,287.00
Sargent	SEWUD	Storhaug, Travers & Brittany	08-24-23		\$ 2,035.00				\$ 2,035.00
Stutsman	SRWD	Carlson, Layne	06-01-21	\$ 9,000.00				\$ 9,000.00	\$ -
Stutsman	SRWD	Carlson, Ryan	06-01-21	\$ 9,000.00				\$ 9,000.00	\$ -
Stutsman	SRWD	Christenson, Gordon	06-01-21	\$ 1,500.00				\$ 1,500.00	\$ -
Stutsman	SRWD	Dunwoody, Clint	06-01-21	\$ 10,000.00				\$ 10,000.00	\$ -
Stutsman	SRWD	Sabinash, Mike	06-01-21	\$ 10,000.00				\$ 10,000.00	\$ -
Stutsman	SRWD	Reich, Becky	08-11-21	\$ 4,500.00			\$ 4,500.00		\$ -
Stutsman	SRWD	Wahl, John	05-18-22	\$ 1,630.00					\$ 1,630.00
Stutsman	SRWD	Dick, Lee	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
Stutsman	SRWD	Haas, Eric	05-10-23		\$ 580.00		\$ 580.00		\$ -
Stutsman	SRWD	Kleven, Allen	05-10-23		\$ 1,120.00		\$ 1,120.00		\$ -
Stutsman	SRWD	Sortland, Brady	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
Stutsman	BRWD	Peterson, Matt	08-24-23		\$ 10,000.00		\$ 10,000.00		\$ -
Stutsman	SRWD	Collins, Cecelia	08-24-23		\$ 2,565.00		\$ 2,427.85	\$ 137.15	\$ -
Stutsman	SRWD	Kamletz, Richard	08-24-23		\$ 1,950.00		\$ 732.20	\$ 1,217.80	\$ -
Stutsman	SRWD	Kienzle, Linda	08-24-23		\$ 2,250.00		\$ 2,197.51	\$ 52.49	\$ (0.00)
Stutsman	SRWD	Michel, Cody	08-24-23		\$ 3,210.00		\$ 3,210.00		\$ -
Stutsman	SRWD	Milo Trucking	08-24-23		\$ 3,500.00				\$ 3,500.00
Stutsman	SRWD	Zillmer, Jordan & Erica	08-24-23		\$ 1,965.00		\$ 1,933.79	\$ 31.21	\$ 0.00
Stutsman	SRWD	Browning, Zac	10-19-23		\$ 8,250.00				\$ 8,250.00
Stutsman	SRWD	Jessen, Gene	10-19-23		\$ 10,000.00				\$ 10,000.00
Stutsman	SRWD	Stebner, Dennis & Tammera	10-19-23		\$ 4,000.00				\$ 4,000.00
Traill	ECRWD	Smith, Michael	10-19-23		\$ 10,000.00				\$ 10,000.00
Ward	NPRWD	Hendrickson, Joann & Duwayne	08-15-22	\$ 2,197.00					\$ 2,197.00
Ward	NPRWD	Keller, Dean	08-15-22	\$ 1,182.00					\$ 1,182.00
Ward	NPRWD	Wing, Michael & Crystal	08-15-22	\$ 2,469.00					\$ 2,469.00
Ward	NPRWD	Clark, Wade	08-24-23		\$ 10,000.00		\$ 10,000.00		\$ -
Wells	CPWD	Erdman, Kyle	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
Wells	CPWD	Radamacher, Delaine	05-10-23		\$ 10,000.00		\$ 10,000.00		\$ -
Wells	CPWD	Schmaltz, Jeremy	10-06-22	\$ 10,000.00			\$ 10,000.00		\$ -
Wells	CPWD	City of Hannaford	02-10-23		\$ 20,000.00		\$ 20,000.00		\$ -
TOTALS				\$ 111,242.00	\$ 314,688.00	\$ 4,125.00	\$ 187,609.34	\$ 55,907.66	\$ 178,288.00

**GARRISON DIVERSION CONSERVANCY DISTRICT
BUDGET OF REVENUES AND EXPENDITURES Rv1
January 1, 2023 to December 31, 2023**

	General Fund	Operations & Maintenance Fund	Municipal, Rural, and Industrial Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
REVENUES:						
Irrigation Admin	\$ 950					\$ 950
Project Income						\$ -
Lease Income						\$ -
Miscellaneous Income	\$ -					\$ -
Interest Income	\$ 33,000		\$ 25		\$ 95	\$ 33,120
Tax Levy/State Aid	\$ 4,430,000					\$ 4,430,000
O&M Non-project Income		\$ 532,684				\$ 532,684
Contract Revenue	\$ 70,000	\$ 4,890,000	\$ 20,257,975	\$ 30,800,000	\$ 828,005	\$ 56,845,980
Total Revenues	\$ 4,533,950	\$ 5,422,684	\$ 20,258,000	\$ 30,800,000	\$ 828,100	\$ 61,842,734
EXPENDITURES:						
Directors Expense	\$ 261,000					\$ 261,000
Employee Expenses	\$ 1,434,000	\$ 2,262,799	\$ 82,000	\$ -		\$ 3,778,799
Administrative Expenses	\$ 247,500	\$ 103,000	\$ 153,000			\$ 503,500
Public Education	\$ 157,000					\$ 157,000
Professional Services	\$ 711,000	\$ 233,000		\$ -		\$ 944,000
Irrigation Development	\$ 269,875					\$ 269,875
Recreation Matching	\$ 860,000					\$ 860,000
Water Assistance Grant	\$ 300,000					\$ 300,000
Irrigation Districts Expenses	\$ 2,000					\$ 2,000
Maintenance & Repairs	\$ 82,000	\$ 1,336,000			\$ 427,100	\$ 1,845,100
Capital Purchases	\$ 750,000	\$ 402,188		\$ 32,462,983	\$ 19,000	\$ 33,634,171
MR&I Project Expenditures			\$ 20,000,000			\$ 20,000,000
Debt Service Payments					\$ 315,000	\$ 315,000
Interest on Debt Service					\$ 67,000	\$ 67,000
Total Expenditures	\$ 5,074,375	\$ 4,336,987	\$ 20,235,000	\$ 32,462,983	\$ 828,100	\$ 62,937,445
Revenues Over (Under) Expenditures*	\$ (540,425)	\$ 1,085,697	\$ 23,000	\$ (1,662,983)	\$ -	\$ (1,094,711)
Transfers In (Out)	\$ 943,000	\$ (920,000)	\$ (23,000)	\$ -	\$ -	\$ -
Net Change in Fund Balance	\$ 402,575	\$ 165,697	\$ -	\$ (1,662,983)	\$ -	\$ (1,094,711)

\$4,336,987
\$0

GARRISON DIVERSION CONSERVANCY DISTRICT
Income Budget
2023 Rv1

	2023 Budget	Revision	Revised 2023 Budget
REVENUES:			
Irrigation Admin	\$ 950		\$ 950
Project Income	\$ -		\$ -
Lease Income	\$ -		\$ -
Miscellaneous Income			\$ -
Interest Income	\$ 33,120		\$ 33,120
Tax Levy	\$ 3,650,000	\$ 600,000	\$ 4,250,000
State Aid Distribution	\$ 180,000		\$ 180,000
O&M Non-project Income	\$ 217,000	\$ 315,684	\$ 532,684
Contract Revenue-General Fund	\$ 70,000		\$ 70,000
Contract Revenue-O&M	\$ 4,890,000		\$ 4,890,000
Contract Revenue-MR&I	\$ 20,257,975		\$ 20,257,975
Contract Revenue-RRVWSP	\$ 25,400,000	\$ 5,400,000	\$ 30,800,000
Contract Revenue-Irrigation	\$ 828,005		\$ 828,005
Total Revenues	\$ 55,527,050	\$ 6,315,684	\$ 61,842,734

\$ -
check sum

GARRISON DIVERSION CONSERVANCY DISTRICT
Expense Budget
2023 Rv1

	Budget 2023	Revision	Revised Budget 2023
Directors Expense			
Directors Per Diem	\$133,000		\$133,000
Directors Exp	\$88,000	\$ 40,000	\$128,000
Total Directors Expense	\$221,000	\$ 40,000	\$261,000
Employee Expense			
Employee Salaries	\$908,000		\$908,000
General Managers Expense	\$21,000		\$21,000
Travel	\$61,000		\$57,444
Administrative Officer	\$25,000		\$25,000
District Engineer	\$10,000		\$10,000
Engineer	\$5,000		\$5,000
Communications Director	\$6,000		\$6,000
Emp Exp Other	\$15,000	\$ (3,556)	\$11,444
Professional Development	\$17,000		\$17,000
Employee Training	\$15,000		\$15,000
Wellness Program	\$2,000		\$2,000
Benefits	\$427,000		\$430,556
GDCD FICA	\$79,000		\$79,000
Retirement	\$129,000		\$129,000
Hospital & Life Insurance	\$175,000		\$175,000
Unemployment Comp	\$1,000	\$ 2,621	\$3,621
Vision / Dental	\$14,000		\$14,000
Workforce Safety Insurance	\$1,000		\$1,000
Long Term Disability Ins	\$10,000		\$10,000
Vacation/Sick Leave Liability	\$18,000	\$ 935	\$18,935
Total Employee Expense	\$1,434,000	\$0	\$1,434,000
Administration			
Postage	\$6,000		\$6,000
Communications	\$16,000		\$16,000
Utilities	\$33,000		\$33,000
Meetings & Events	\$5,000	\$ 25,000	\$30,000
Subscriptions	\$6,000		\$6,000
Miscellaneous	\$4,000		\$4,000
Data Processing	\$20,000	\$ 25,000	\$45,000
Employee Recruiting	\$5,000		\$5,000
Supplies	\$14,000		\$14,000
Small Office Equipment	\$20,000		\$20,000
Dues	\$14,000		\$14,000
Insurance	\$14,000	\$ 4,000	\$18,000
Annual Independent Audit	\$36,500		\$36,500
Total Administration	\$193,500	\$54,000	\$247,500
Public Education			
GDCD Tours	\$10,000	\$ (981)	\$ 9,019
ND Water Users	\$20,000		\$ 20,000
ND Water Coalition	\$14,000		\$ 14,000
ND Water Magazine	\$18,000		\$ 18,000
Missouri River Joint Board	\$15,000	\$ 981	\$ 15,981
Upper Sheyenne	\$50,000		\$ 50,000
Conferences/Sponsorships	\$20,000		\$ 20,000
Miscellaneous	\$10,000		\$ 10,000
Total Public Education	\$157,000	\$0	\$ 157,000

GARRISON DIVERSION CONSERVANCY DISTRICT
Expense Budget
2023 Rv1

	Budget 2023	Revision	Revised Budget 2023
Professional Services			
Communications	\$140,000		\$140,000
Engineering	\$125,000	\$ (78,000)	\$47,000
RRVWSP Development	\$316,000		\$316,000
Technical Support for LAWA	\$15,000		\$15,000
Engineering	\$100,000		\$100,000
Legal	\$125,000		\$125,000
Financial	\$10,000		\$10,000
Consultants	\$50,000		\$50,000
Meeting, Misc. Exp	\$16,000		\$16,000
Prof Services Other	\$45,000	\$ (25,000)	\$20,000
Legal Services	\$188,000		\$188,000
Total Professional Services	\$814,000	-\$103,000	\$711,000
Irrigation Development			
ND Irrigation Association	\$50,000		\$50,000
NDSU Oakes Irrigation Site	\$167,875	\$ 29,000	\$196,875
Bob Titus Lease	\$17,000		\$17,000
Irrigation Development	\$26,000	\$ (20,000)	\$6,000
Total Irrigation Development	\$260,875	\$9,000	\$269,875
Recreation			
Recreation Matching	\$850,000		\$850,000
DWRA Recreation Program	\$10,000		\$10,000
Total Recreation	\$860,000	\$0	\$860,000
Water Assistance			
Water Assistance Grant	\$300,000	\$0	\$300,000
Irrigation District Expense			
Irrigation District Expenses	\$2,000		\$2,000
OTA Title Transfer	\$0		\$0
Technical Support	\$0		\$0
Legal	\$0		\$0
Total Irrigation District Expense	\$2,000	\$0	\$2,000
Maintenance & Repair			
Equipment Maintenance	\$27,000		\$27,000
Small Yard Equipment Purchases	\$5,000		\$5,000
Land & Bldg Maintenance	\$35,000		\$35,000
Auto Expense	\$15,000		\$15,000
Total Maintenance & Repair	\$82,000	\$0	\$82,000
Capital Purchases			
Office Equip & Furniture	\$20,000		\$ 20,000
Yard Equipment	\$20,000		\$ 20,000
Vehicle	\$40,000		\$ 40,000
Land & Buildings	\$15,000	\$ 655,000	\$ 670,000
Total Capital Purchases	\$95,000	\$655,000	\$ 750,000
General Fund Subtotal	\$4,419,375	\$655,000	\$5,074,375

GARRISON DIVERSION CONSERVANCY DISTRICT
Expense Budget
2023 Rv1

	Budget 2023	Revision	Revised Budget 2023
Irrigation Fund			
McClusky Canal Irrigation	\$446,100	\$0	\$446,100
Construction	\$0	\$ 19,000	\$19,000
Operations	\$446,100	\$ (19,000)	\$427,100
Debt Payments	\$382,000	\$0	\$382,000
Principal	\$315,000		\$315,000
Interest	\$67,000		\$67,000
Total Irrigation Fund	\$828,100	\$0	\$828,100
GDU O & M			
Salaries & Benefits	\$1,921,000	\$251,799	\$2,172,799
Salaries	\$1,183,000	\$ 251,799	\$1,434,799
Benefits	\$738,000		\$738,000
Travel	\$14,000	\$ 15,000	\$29,000
Training	\$4,000		\$4,000
Utilities	\$93,000	\$ (9,000)	\$84,000
Contracted Services (Eng / Survey)	\$423,000	\$ (190,000)	\$233,000
Supplies	\$225,000	\$ 220,000	\$445,000
Equipment Purchases	\$400,000	\$ 2,188	\$402,188
Small Equipment Purchases	\$11,000		\$11,000
Equipment Rental	\$50,000		\$50,000
Equipment Maintenance	\$505,000		\$505,000
Safety	\$53,000	\$ 4,000	\$57,000
Miscellaneous	\$13,000	\$ 6,000	\$19,000
Materials	\$475,000	\$ (150,000)	\$325,000
Total GDU O & M	\$4,187,000	\$149,987	\$4,336,987
MR&I Fund			
Salaries & Benefits	\$82,000		\$82,000
State Administration	\$153,000		\$153,000
MR&I Project Expenditures	\$20,000,000		\$20,000,000
Total MR&I Fund	\$20,235,000	\$0	\$20,235,000
RRV Water Supply Project			
ROW	\$1,000,000	\$ 400,000	\$ 1,400,000
Design/Construction in Progress	\$24,000,000	\$ 6,000,000	\$ 30,000,000
Salaries & Benefits	\$0		\$ -
Professional Services	\$400,000	\$0	\$400,000
Financing/Legal/Administration	\$400,000	\$ (9,000)	\$ 391,000
Other Engineering	\$0	\$ 9,000	\$ 9,000
Debt Payments	\$0	\$662,983	\$ 662,983
Principal		\$ 534,127	\$ 534,127
Interest		\$ 128,856	\$ 128,856
Total RRVWSP	\$25,400,000	\$7,062,983	\$ 32,462,983
TOTAL ALL FUNDS	\$55,069,475	\$7,867,970	\$ 62,937,445

Budget Preparation Timeline

January 2023	Present 2022 budget revisions to Board of Directors for approval
February 2023	Submission of preliminary 2024 budget (version 1) requests from staff
March 2023	Present 2024 draft budget (version 2) to Executive Committee Present 2023 budget revisions to Executive Committee for approval Present 2022 budget final revisions to Executive Committee for approval
April 2023	Present 2024 draft budget (version 3) to Board of Directors Present 2022 budget final revisions to Board of Directors for approval
June 2023	Present 2024 draft budget (version 3) to Executive Committee Present 2023 budget revisions to Executive Committee for approval
July 2023	Present 2024 budget (version 4) to Board of Directors
September 2023	Present 2023 budget revisions to Executive Committee for approval 2024 budget public hearing at Board of Director Meeting Final 2024 budget approval by the Board of Directors
October 2023	2024 budget and tax levy due to member counties
December 2023	Present 2023 budget revisions to Executive Committee for approval
January 2024	Present 2023 budget revisions to Board of Directors for approval
February 2024	Submission of preliminary 2025 budget (version 1) requests from staff
March 2024	Present 2025 draft budget (version 2) to Executive Committee Present 2024 budget revisions to Executive Committee for approval Present 2023 budget final revisions to Executive Committee for approval

RRVWSP Work Plan Update
December 5, 2023

CONSTRUCTION

Wet Well Construction Contract 1

The project is closed, original contract price \$4,989,405.88 with change order 1 and 2 making the final contract price \$4,721,446.47.

Pipeline Construction

Contract 5A

The project is closed, original contract price \$8,366,201.00, with change order 1 and 2 making the final contract price of \$8,393,395.44.

Reclaimed Property



Typical Air Release Manhole



Contract 5B

The original pipe delivery of June 15, 2021, was delayed due to a surface blemish in the steel coil. Year one 2022, 7,761 feet were installed out of the nine miles. High groundwater slowed the pipe installation progress.

For the second year 2023, 21,120 feet were installed for a total contract 5B pipe install to date 28,881 feet (5.5 miles).

To date, \$18,939,066.56 has been paid on the original contract amount of \$45,961,700.00. Change Order No. 1, 2 and 3 has been approved, leaving the current contract price at \$44,932,678.24.



Discharge Structure Construction

Final payment has been made. Original contract amount was \$1,516,955 plus Change Order No. 1 for \$4,929 for a final contract price of \$1,521,884.

Missouri River Intake Tunnel and Screen Final Design Contract 2

The project is closed, original contract price \$18,896,900 with change 5 change orders making the final contract price \$19,444,165.60.



Site Under Construction



Completed Missouri River Intake

DESIGN

The design team is also working with Reclamation and USFWS routing the ENDAWS pipeline through wetland and other various existing easements.

Contract 5D bid opening was held September 7 awarded to Carstensen Contracting, Contract 5C bid opening September 21 awarded to Oscar Renda. Contract 6A will be scheduled for bid in 2024.

**ENDAWS Task Order 2250 – Eastern North Dakota Alternate Water Supply
 Preliminary Design Services**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a preliminary design task order in the amount of \$751,031 for preliminary design associated with the McClusky Canal Intake and Pumping Station as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The Task Order advances the appraisal-level design completed under the Bureau of Reclamation’s ENDAWS Environmental Impact Statement and Record of Decision. Services will begin in February 2024 and finish by October 2025. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services: The estimated hourly fee and expenses for standard and customary preliminary design, surveying, and environmental services are as follows for a future construction project with an estimated cost of \$36 million:

	Fee	% of Const
1) Task Order Management and Administration	\$93,294	0.26%
2) Special Project and Third-Party Meetings	\$31,710	0.09%
3) Final Site Selection, Site Reconnaissance and Landowner Communication Support Services	\$20,523	0.06%
4) Coordination of Land Acquisition, Geotechnical Investigation, and Environmental/Cultural Surveys	\$12,213	0.03%
5) Preliminary Design Services	\$592,432	01.65%
Totals	\$751,031	2.08%

Special Services: There are no unique or specialized services required under this task order.

PROJECT OVERVIEW

A map showing the location of the project is included in the background information of the attached Task Order. This project will be located adjacent to the McClusky Canal, and adjacent to the Biota Water Treatment Plant site near McClusky, North Dakota. Elements of this preliminary design Task Order are:

- Development of a Project Management Plan specific to the Work to keep the Task Order on schedule and on budget,
- Leading Special Project and Third-Party meetings to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input,
- Review the final site location for the intake and pumping station, including development of a final site selection technical memorandum,
- Coordination between this task order and the Task Order 3210 – Biota Water Treatment Plant & Main Pumping Station Task Order, including
 - Property acquisition and preliminary geotechnical investigation support
 - Environmental/cultural/threatened and endangered species surveys and reports
 - Topographic site plans, and routing necessary utilities to the site

**ENDAWS Task Order 2250 – Eastern North Dakota Alternate Water Supply
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

- Preliminary Design to complete permitting, a refinement of system hydraulics, utility coordination, a geotechnical investigation, and modeling such that the spatial location and size of the intake, pumping station size, and necessary utilities are fully defined, and
- Development of an ENDAWS preliminary design report, associated preliminary design drawings, and preliminary Opinion of Probable Construction Cost as the key deliverables.



Black & Veatch Corporation

Professional Services for the Red River Valley Water Supply Project
Under General Agreement dated January 17, 2008

ENDAWS Task Order 2250 – McClusky Canal Intake and Pumping Station Preliminary Design

Effective Date – February 1, 2024

Content of this Task Order is as follows:

I. PROJECT BACKGROUND.....	1
II. TASK ORDER OBJECTIVES.....	2
III. GENERAL REQUIREMENTS.....	6
IV. BASIC SERVICES.....	6
V. DELIVERABLES (not updated).....	10
VI. ADDITIONAL SERVICES.....	11
VII. SPECIAL RESPONSIBILITIES OF OWNER.....	11
VIII. FEE.....	11
IX. PERFORMANCE SCHEDULE.....	12
X. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS.....	12
XI. ACCEPTANCE.....	12

I. PROJECT BACKGROUND

1. The Red River Valley Water Supply Project (RRVWSP, the Project) will provide a supplemental water supply to eastern and central North Dakota (ND) in the event of drought conditions in the Red River watershed. The Project as envisioned by the Garrison Diversion Conservancy District (Garrison Diversion, the Owner) will also supply additional water to support industrial development as well as provide an environmental benefit to local rivers during drought conditions by augmenting natural stream flows. The source water will be withdrawn from the Missouri River or the McClusky Canal and conveyed to a new water plant. A multi-county pipeline will then convey flows from the plant to the Sheyenne River. Lake Ashtabula located downstream will provide storage for controlled releases to the Red River Valley. The current focus of the project is to construct the intake at the McClusky Canal and the completion of the pipeline from the McClusky Canal to the Sheyenne River.
2. Professional services for design of the Project will be accomplished through the execution of multiple task orders for design and associated activities as well as for engineering services during construction. This Task Order will be executed under two foundation documents:

- A. A Preliminary Design Report (PDR) prepared by Engineer and authorized by Owner under previously executed Task Order.
- B. The Eastern North Dakota Alternate Water Supply (ENDAWS) Environmental Impact Statement (EIS).

II. TASK ORDER OBJECTIVES

1. The objective of this task order is to complete a preliminary design for the McClusky Canal Intake and Pumping Station, which will be an approximately 2,400 HP pump station designed to convey 165 cfs of flow. **Figure 1** shows the approximate location and layout of the McClusky Canal Intake and Pumping Station and its relation to the Biota Water Treatment Plant. **Figure 2** shows a conceptual layout drawing of the intake and pump station from the ENDAWS EIS.
2. The U.S. Department of the Interior, Bureau of Reclamation (Reclamation) completed the Eastern North Dakota Alternate Water Supply EIS which resulted in the Record of Decision being signed for the ENDAWS portion of this project. As such, Reclamation is a stakeholder for this project and coordination with them is presumed throughout the effort.
3. Specific objectives for this Task Order are to:
 - A. Finalize a site location for the facility. A preliminary evaluation of sites was completed as part of the Reclamation EIS and under Task Order 5280. The presumed site has been identified but the final site selection needs to be determined with Garrison Diversion and the U.S. Bureau of Reclamation. While the EIS shows the McClusky Canal Intake Pumping Station as a standalone facility, a design goal is to integrate the pumping station into the overall site plan of the Biota Water Treatment Plant.
 - B. Support Garrison Diversion with the required survey and easements so it can complete land acquisition of the required property.
 - C. Complete a preliminary geotechnical investigation to support the preliminary design.
 - D. Complete environmental, cultural, threatened and endangered species, and raptor surveys of the property.
 - E. Develop topographic site plans from currently available LIDAR information.
 - F. Develop a plan for bringing required utilities to the selected property locations.
 - G. Develop a Basis of Design Report and the preliminary design drawings outlined in **Attachment A**.
 - H. Provide an updated Opinion of Probable Construction Cost (OPCC).
4. Items B, C, D, E, and F listed above will be performed under the ENDAWS TO 3210 Biota WTP & Main Pumping Station Preliminary Design but will be coordinated with this task. Specifically,
 - A. Land acquisition assistance to Garrison Diversion through property appraisals, property boundary surveys, landowner contacts, offer/counteroffer(s), and landowner negotiations. Normal property acquisition activities are assumed.

- B. A preliminary geotechnical investigation and reporting of the in-situ soil conditions for land-side borings and borings in the McClusky Canal and pump station wet well site.
- C. A detailed assessment of the land expected to be acquired for environmental and cultural features as well as the potential for contamination.
- D. A site map showing topography that will form the basis for the site layout.

DRAFT

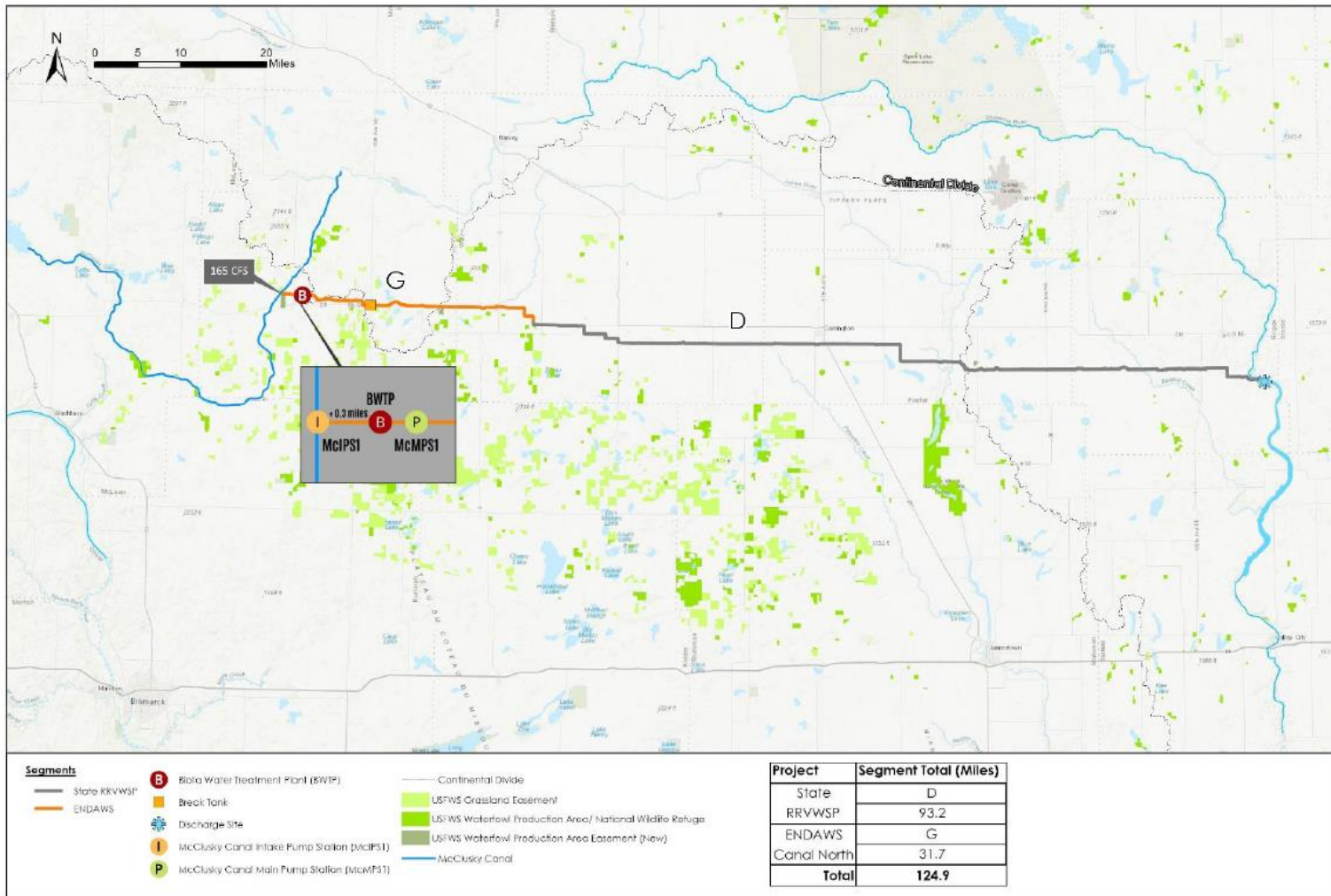


Figure 1 - McClusky Canal Intake and Pumping Station Location

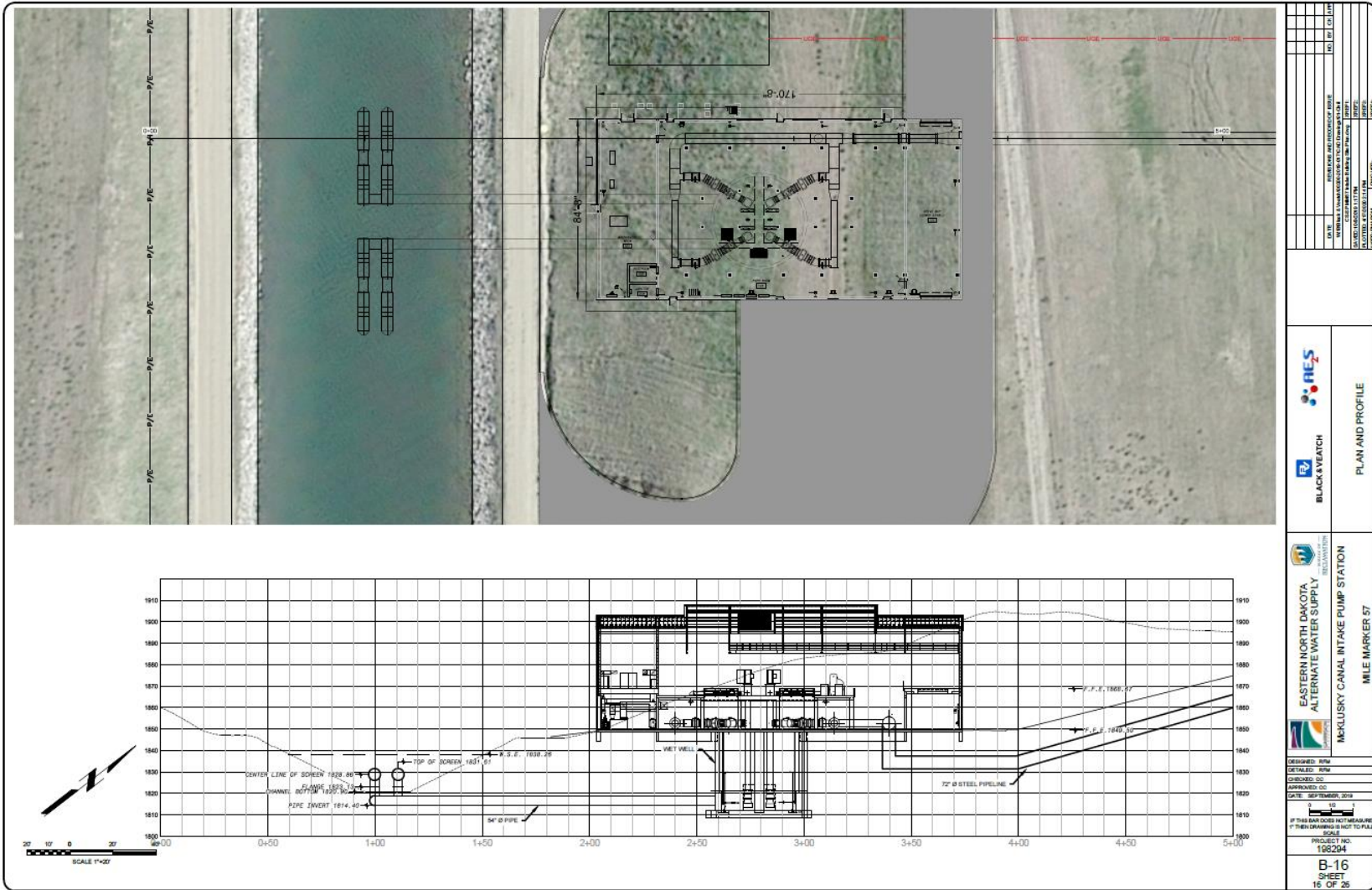


Figure 2 – McClusky Canal Intake and Pumping Station Conceptual Layout

III. GENERAL REQUIREMENTS

1. Under this Task Order, Engineer will provide services in accordance with the Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 (Agreement).
2. General Description of Activities. The Basic Services to be performed by Engineer consist of professional design services associated with development of CDs for construction of a conventional intake wetwell adjacent to the McClusky Canal and associated site improvements and access road(s).
3. Work outside Basic and Special Services. Engineer agrees to provide the Basic Services and Special Services identified herein. Work not specifically discussed herein as part of Basic Services or Special Services is considered Additional Services. Additional Services will only be performed with proper separate authorization such as an amendment to this Task Order or a new separate Task Order.
4. Capital Cost Opinions. All opinions of probable construction cost developed will generally follow the recommendations of the Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 18R with regard to methodology and accuracy. The cost opinions' level of accuracy presented by Engineer for the various deliverables will be as noted in subsequent paragraphs of this Task Order under Basic Services.

IV. BASIC SERVICES

Basic Services of this Task Order are organized into major tasks as follows:

- Task 1 – Task Order Management and Administration
- Task 2 – Special Project and Third-Party Meetings
- Task 3 – Final Site Selection and Landowner Communication Support
- Task 4 – Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey
- Task 5 – Preliminary Design and OPCC

1. Task 1 – Task Order Management and Administration

This task includes overall management and development of a Project Management Plan specific to the Work. The overall objective of this task is to keep the Task Order on schedule and on budget.

- A. Project Management. Engineer will provide management services necessary for execution of the Task Order, including efforts required for proper resource allocation, schedule development and monitoring, budget review and control, Owner coordination, and other standard and customary activities required for timely completion of the Work. Owner coordination will occur through regular project meetings as described in Task 5A.

- B. Administration. Perform general administrative duties associated with the Task Order, including general correspondence, day-to-day contact and coordination, administration, and monthly invoicing in a form that is acceptable to the Owner.
- C. Management of Subconsultants. Engineer will monitor subcontractor progress, review and approve invoices, oversee adherence to the approved quality assurance/quality control (QA/QC) plan, monitor adherence to document preparation standards, and generally oversee Subconsultants' performance.

2. Task 2 – Special Project and Third-Party Meetings

The overall objective of this task is to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input. Engineer will prepare an agenda and provide meeting notes documenting discussions and action items. The following meetings are anticipated:

A. Special Project Meetings

- i. Task Order Initiation Meeting. Engineer will conduct a Task Order Initiation Meeting with the Owner and Subconsultants to review the overall approach to the Work, the schedule by which the work will be prosecuted, and other relevant coordination and management items necessary for a successful outcome. Another objective of this meeting will be to finalize the approach to right(s) of entry and to reach an agreement on an approach to obtaining the necessary right(s) of entry.

B. Third-Party Meetings

- i. Stakeholder Meetings. Engineer will attend and present Project information for one meeting with the Lake Agassiz Water Authority (LAWA) Technical Advisory Committee (TAC).
- ii. Design Coordination Meetings. Engineer will schedule and meet with the following agencies. Engineer will provide summary notes of meetings.
 - (a) Two meetings with the Reclamation in regard to final pump station location.
 - (b) Two meetings with the local electric utility regarding providing power service.
 - (c) Meetings with landowners, the Township and the County will be completed under Task Order 3210.

3. Task 3 – Final Site Selection, Site Reconnaissance and Landowner Communication Support

As shown in Figure 1, a general location on the McClusky Canal has been selected for the McClusky Canal Intake and Pump Station. This task includes a site walk with Garrison Diversion and Reclamation to review the final site location for the intake. The site walk will include an environmental professional to identify potential environmental (wetlands, critical habitat) cultural features or pollution liability features that may impact site acquisition. (Note that the

formal environmental and cultural analysis will be completed under a separate task). The site walk will also include identification of potential utilities. A final site selection technical memorandum will be developed on conjunction with Reclamation to supplement the existing EIS. It is presumed the Biota Water Treatment Plant site will be adjacent or nearby the intake so both sites will be reviewed during this trip.

4. Task 4 – Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey

As noted above, the actual land acquisition, geotechnical investigation, environmental/cultural reports and site survey will be completed under a separate task order. The purpose of Task Order 4 is to provide coordination between this task order and the task leader of the Biota Water Treatment Plant Task Order. The following products will be provided to this Task Order from work completed under the Biota Water Treatment Plant Task Order:

- All property acquisition support. The intent of this task order is to finalize the site location and the required parcel size. After a parcel is identified, all acquisition work will be done under the Biota Water Treatment Plant Task Order.
- A geotechnical data report with preliminary recommendations for the intake and pump station design. It is expected that additional geotechnical borings will be completed during the final design. At a minimum, it is expected that two soil borings will be completed in the McClusky Canal and one soil boring at the expected location of the pump station wet well.
- Environmental/Cultural Reports. Final environmental (wetlands, threatened/engaged species, raptor surveys, etc.) and cultural reports will be provided to this Task Order documenting any environmental or cultural site constraints.
- Also, a Phase I Environmental Site Assessment Report will be provided to this Task Order. It is assumed there are no pollution liabilities that will need to be addressed on the site.
- Existing topography is available from previous LIDAR surveys. Additional state LIDAR data is available if needed. A CAD file with a site survey with 1-foot contours will be provided for this site.

5. Task 5 – Preliminary Design Phase

The purpose of Preliminary Design is to complete permitting, a refinement of system hydraulics, utility coordination, a geotechnical investigation, and modeling such that the spatial location and size of the intake, pumping station, and necessary utilities are fully defined. Note that the hydraulic efforts described in this task order are related to the sizing of the pump station. The overall hydraulics of the system are being completed under Task Order 5340.

- A. Design Team Conference Calls. Engineer will schedule and lead conference calls with the Owner and its team. Calls will be scheduled, and content organized to coincide with other Task Orders for efficient utilization of staff time.

- i. Owner Conference Calls (up to 40 calls assuming a 20-month preliminary design phase duration). Engineer will conduct bi-weekly conference calls with the Owner to review overall progress, exchange ideas and information, and coordinate activities.
 - ii. Task Order Coordination Calls (up to 20 calls). Engineer will plan and take part in monthly coordination conference calls with tasks leaders of other Task Orders to share progress and conclusions such that efforts are well coordinated and not duplicated or unnecessary.
 - B. Permitting. It is assumed that no permits will be required as this is a preliminary design task order. Any re-zoning that is required will be completed under the Biota Water Treatment Plant Task Order. It is expected that landowner permissions will be required the geotechnical borings and for site access.
 - C. Hydraulic Modeling Refinement and Wetwell Configuration
 - i. Engineer will update the intake system hydraulic design developed under previous phases of the Project based on field investigations and more detailed analysis completed during this Preliminary Design. In addition, Engineer will determine requirements, formulate options, and provide a recommended preliminary design for the intake and pumping station wetwell.
 - ii. Engineer will determine the configuration of the McClusky Canal Intake wetwell. It is expected that the wetwell will follow the design developed for the Missouri River Intake wetwell. Assuming the two wetwells are very similar, no physical modeling is planned for the wetwell. A Technical Memorandum will be completed describing the design basis for the wetwell.
 - D. Basis of Design Memorandum
 - i. Draft Basis of Design Memorandum (BDM). A draft BDM will be prepared for the design of the McClusky Canal Intake and Pump Station. Engineer will review the Draft BDM for accuracy and completeness prior to submitting to the Owner for review and comment. The BDM will build upon the work of the previously prepared Preliminary Design Report and ENDAWS EIS. An initial outline of the BDM is included in Attachment A.
 - ii. Review and Finalize BDM. Engineer will confer with Owner's staff to review the Draft BDM and obtain Owner's comments. Engineer will address Owner comments and develop a Final BDM. The Final BDM will be the document followed by the design team for the immediate wetwell design and in follow-up Task Orders for the intake system final design.
 - E. Engineer will prepare Preliminary Deliverables. Preliminary drawing development will be completed in parallel with the draft BDM. A preliminary drawing list is included in Attachment A.

- i. Document Development. The content of preliminary deliverables in addition to the BDM is as follows:
 - General drawings
 - Access road drawings
 - Site layout drawings
 - Intake drawings
 - Pipeline drawings
 - Wetwell drawings
 - Pumping station drawings
 - Outline of technical specifications
 - Internal quality control review and refinement
 - QA/QC plan and log update
 - Task Order schedule update
 - ii. Preliminary Design Review. Attend a virtual meeting or conference call with the Owner to receive and discuss review comments. Document comments received in a log and distributed to stakeholders.
 - iii. Revise documents as necessary to reflect decisions taken at this level incorporating design modifications into subsequent deliverables.
- F. Preliminary Opinion of Probable Construction Cost (OPCC). Engineer will update the OPCC (aka Cost Opinion or Cost Estimate) at the preliminary design submittal after transmittal of the Level 1 deliverable. The cost opinion will be updated commensurate with an ACE Class 3 estimate. The expected accuracy will be -10 to -20 percent on the low end and the expected accuracy on the high end will be from +10 to +30 percent.

V. DELIVERABLES

The following deliverables will be furnished under this Task Order. Documents or deliverables not included in the list below will be provided as Additional Services as authorized by the Owner.

1. Task 1 – Project Management
 - A. Monthly invoices
 - B. Baseline Schedule
2. Task 2 – Special Project and Third-Party Meetings. Meeting agenda (included with MS Outlook meeting invitations) and minutes (electronic pdf files)
3. Task 3 - Final Site Selection, Site Reconnaissance and Landowner Communication Support
 - A. Final Site Selection Technical Memorandum.

4. Task 4 - Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey
 - A. Land Acquisition Site Plan
 - B. Geotechnical Investigation Data Report
 - C. Site Environmental and Cultural Report
 - D. Site Topographic Map
 - E. Phase I ESA

2. Task 5 – Preliminary Design
 - A. Meeting/conference call agendas and minutes (electronic pdf files)
 - B. Modeling update technical memorandum (electronic pdf file)
 - C. Basis of Design Memorandum (draft and final electronic pdf files)
 - D. Preliminary Drawings (single hard copy and electronic pdf files, draft and final)
 - E. Preliminary Design Owner review comments log (electronic pdf file)
 - F. Preliminary cost opinion (electronic pdf file)

3. Special Services
 - A. None.

VI. ADDITIONAL SERVICES

The professional services listed below are not included in the scope of this Task Order nor does the fee shown in Article IX include any labor and direct expenses for items identified as Additional Services. Should Owner want to include services listed under Additional Services in Engineer's scope, an amendment to this Task Order, or execution of a separate Task Order with the new scope, will be necessary.

1. The scope assumes any fees required as part of permits will be paid by the Owner.

VII. SPECIAL RESPONSIBILITIES OF OWNER

1. Interim Deliverable Review Requirements. Owner commits to review periods for interim deliverables of no more than 30 calendar days after receipt of deliverables from Engineer. A review meeting will be scheduled and conducted by Engineer no more than 14 calendar days after receipt of Owner review comments, unless a mutually agreed upon date outside this schedule window is selected.

2. Land Acquisition Costs. Fees paid to all property owners necessary to purchase property, easements, or ROEs are the responsibility of the Owner.

VIII. FEE

The total fee for Basic Services provided under this Task Order is \$751,031.

A worksheet showing the fee estimate and level of effort by task is included in Attachment B.

IX. PERFORMANCE SCHEDULE

Services of this Task Order will be completed by October 2025.

X. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

1. Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 is incorporated by reference.
2. Attachment A – Proposed Outline for the Basis of Design Report and Preliminary Drawing List
3. Attachment B – Engineering Fee Worksheets

XI. ACCEPTANCE

If this satisfactorily sets forth your understanding of our Agreement, please print and sign this document. You should retain one copy for your files and return an electronic copy via email to Paul Boersma (BoersmaPM@BV.com) with Black & Veatch Corporation.

By: _____
Duane DeKrey, General Manager
Garrison Diversion Conservancy District

By: _____
Paul Boersma, Associate Vice President
Black & Veatch Corporation

Dated: _____

Dated: _____

ATTACHMENT A
PROPOSED OUTLINE FOR THE BASIS OF DESIGN REPORT
AND
PRELIMINARY DRAWING LIST

DRAFT

Proposed Outline for Basis of Design Report

ENDAWS Task Order 2250 – McClusky Canal Intake and Pumping Station

Preliminary Design

Garrison Diversion Conservancy District

1. General
 - a. Project (or Task Order) Description
 - b. Background
 - c. Project Scope
 - d. Schedule
 - e. Site Description
 - i. Location
 - ii. Datum
 - iii. Flood Protection
 - f. Documents
 - i. Preliminary Drawing List
 - ii. Preliminary Specification List
 - iii. Supporting Reports and Documentation
 - iv. Drafting Standards
 - v. Report Organization
 - g. Applicable Codes and Standards
2. Facility Requirements
 - a. General (Scope)
 - b. Site Selection
 - c. Land Acquisition
 - d. Permitting and Approvals
 - i. Federal Permitting Requirements
 - ii. State Permitting Requirements
 - iii. Local Regulations
 - e. Utility Investigations
 - f. Field Investigations
 - i. Geotechnical
 - ii. Phase I Environmental Site Assessment
 - iii. Environmental/Cultural
3. Sitework
 - a. General
 - b. Applicable Codes and Standards
 - c. McClusky Canal
 - i. General
 - ii. Floodplain Elevations
 - d. Design Criteria
 - i. Roadway and Parking Surfaces
 - ii. Preliminary Site Plan
 - iii. Site Drainage and Stormwater Management

- iv. Site Piping
- 4. Geotechnical Design Criteria
 - a. General
 - b. Preliminary Geotechnical Data
 - i. Regional Geology
 - ii. Site Geology
 - iii. Hydrogeology
 - iv. Seismicity
 - v. Topography
 - c. Design Procedures and Assumptions
 - i. Soil Conditions
 - ii. Bedrock Conditions
 - d. Geotechnical Investigation
 - e. References
- 5. Shaft and Tunnel Design Criteria
 - a. General
 - b. Applicable Codes and Standards
 - c. Design Assumptions
 - i. Project Layout
 - ii. Construction Methods and Construction Sequencing
 - d. Design Criteria
 - i. Shaft Excavation and Support Methodology
 - ii. Tunnel Excavation and Support Methodology
 - e. Jacking Pipe for Microtunneling
 - i. Steel Pipe
 - ii. Reinforced Concrete Pipe (RCP)
 - iii. Fiberglass Reinforced Polymer Mortar Pipe (FRP)
 - iv. Grouting
 - f. Construction Considerations
 - i. Construction Sequencing
 - g. Risk Evaluation
- 6. Intake Design Criteria
 - a. General
 - b. Design Criteria
 - i. Intake
 - ii. Intake Screens
 - iii. Maintenance
 - c. Intake Screen Structure
 - d. Construction Considerations
- 7. Process Mechanical Design Criteria
 - a. Background
 - b. Design Basis
 - i. Low Flow Pumping Analysis
 - ii. High Flow Pumping Analysis
 - iii. Air Compressors
 - iv. Transient Analysis

- v. Transient Analysis
 - vi. Pipe Sizing
 - vii. Pump Selection
8. Facility Descriptions
- a. Wet Well
 - b. Lower Level
 - i. Drive Bay
 - ii. Mechanical Room
 - iii. Restroom and Janitor Closet
 - iv. High Flow Pumping Discharge
 - c. Operating Level
 - i. Low Flow Pumping Discharge
 - ii. Ari Compressors Receivers
 - iii. Traveling Bridge Crane
 - d. Upper Level of Drive Bay and Electrical and I&C Room
 - i. Drive Bay
 - ii. Electrical Room
9. Architectural Design Criteria
- a. General
 - b. Applicable codes and standards
 - i. Building Codes
 - c. Design Criteria
 - i. Building Code Analysis
 - ii. Architectural Program
 - iii. Building Energy Code Analysis
 - iv. Methods of Construction
10. Structural Design Criteria
- a. General
 - b. Applicable Codes and Standards
 - c. Specified Material Parameters
 - i. Concrete
 - ii. Concrete and Masonry Reinforcement
 - iii. Masonry
 - iv. Structural Steel
 - v. Aluminum
 - vi. Fiberglass Reinforced Grating and Structural Shapes
 - vii. Structural Coatings
 - d. Loading Criteria
 - i. Dead Loads
 - ii. Live Loads (Floor and Roof)
 - iii. Snow Loads
 - iv. Wind Loads
 - v. Seismic Loads
 - vi. Soil, Backfill, and Groundwater
 - vii. Equipment and Piping Loads
 - viii. Impact Loads

- ix. Bridge Crane and Monorail Loads
- x. Load Combinations
- e. Design Procedures and Assumptions
 - i. Reinforced Concrete Design
 - ii. Reinforced Masonry Design
 - iii. Structural Steel Design
 - iv. Aluminum Design
 - v. Geotechnical Design
 - vi. Flotation
 - vii. Impact and Vibration Design
 - viii. Bridge Crane and Monorail Runway Beam Design
 - ix. Non-Structural Component Design
 - x. Guardrail, Handrail, Ladder, and Stair Designs
 - xi. Environmental and Liquid Containing Structures
 - xii. Building Structure Design
 - xiii. Structural Analysis
- f. Special Inspections
- 11. Building Mechanical Design Criteria
 - a. General
 - b. Applicable Codes and Standards
 - c. Location & Meteorological Design Criteria
 - d. Materials
 - e. Seismic
 - f. Building Design Requirements
 - g. Plumbing design
 - i. Storm Drainage Systems
 - ii. Sanitary Drainage Systems
 - iii. Water Piping Systems
 - iv. Plumbing Fixtures
 - h. Heating, Ventilation, and Air Conditioning
 - i. Indoor Design Conditions
 - ii. HVAC General Requirements
 - iii. Heating Systems
 - iv. Ventilation Systems
- 12. Electrical Design Criteria
 - a. General
 - b. Codes and Standards
 - c. Power Distribution
 - i. Electrical Distribution System
 - ii. Distribution and Utilization Voltages
 - iii. Standby Power
 - d. Electrical equipment design criteria
 - i. Switchboards
 - ii. Motor Control Starters
 - iii. Motors and Adjustable Frequency Drives
 - iv. Power Transformers

- v. Panelboards
 - vi. Receptacles
 - vii. Raceways and Cable
 - viii. Grounding and Lightning Protection
 - e. Lighting Requirements
 - f. Fire Alarm System
 - g. Telephone and Communication
 - h. Security System
 - i. Calculations and analysis requirements
 - i. Load Analysis
 - ii. Short Circuit Analysis and Coordination Study
 - iii. Arc Flash Analysis
13. Instrumentation Design Criteria
- a. General
 - b. Applicable Codes and Standards
 - c. P&ID Drawings
 - d. Instrumentation and Control Devices
 - e. Equipment Controls
 - f. Project Equipment and Instrumentation Control Concepts
 - g. Instrumentation and Control Design Requirements
 - h. Instrumentation and I/O Signal Standards
 - i. Pump Station Process Control System
 - j. Control Modes and Control Philosophy
 - k. Security and Resiliency
14. Opinion of Probable Cost

Proposed Drawing List

ENDAWS Task Order 2250 – McClusky Canal Intake and Pumping Station Preliminary Design

Garrison Diversion Conservancy District

DISCIPLINE	TITLE
GENERAL	COVER SHEET
GENERAL	INDEX OF DRAWINGS
GENERAL	ABBREVIATIONS & LEGENDS
GENERAL	PROCESS FLOW DIAGRAM
GENERAL	HYDRAULIC PROFILE
CIVIL	OVERALL SITE PLAN
CIVIL	DEMOLITION
CIVIL	GRADING AND PAVING PLAN
CIVIL	YARD PIPING PLAN
CIVIL	ROADWAY - PLANS, SECTIONS
ELECTRICAL	OVERALL SITE PLAN
CIVIL	OVERALL SITE PLAN AND PROFILE
CIVIL	PLAN AND PROFILE
CIVIL	PLAN AND PROFILE
CIVIL	SECTIONS AND TUNNEL DETAILS
ARCHITECTURAL	LOWER LEVEL FLOOR PLAN
ARCHITECTURAL	OPERATING FLOOR PLAN
ARCHITECTURAL	ROOF PLAN
ARCHITECTURAL	BUILDING ELEVATIONS
ARCHITECTURAL	BUILDING ELEVATIONS
ARCHITECTURAL	PERSPECTIVES
STRUCTURAL	INTAKE CRIB FOUNDATION / LOWER LEVEL PLAN
STRUCTURAL	RIVER BED LEVEL - PLAN
STRUCTURAL	DEFLECTOR FRAMING - PLAN
STRUCTURAL	INTAKE SECTION
STRUCTURAL	WET WELL / FOUNDATION PLAN
STRUCTURAL	LOWER LEVEL FRAMING PLAN
STRUCTURAL	OPERATING FLOOR FRAMING PLAN
STRUCTURAL	ROOF FRAMING PLAN
STRUCTURAL	BUILDING SECTIONS
PROCESS MECHANICAL	INTAKE PLAN
PROCESS MECHANICAL	WET WELL PLAN AND SECTION
PROCESS MECHANICAL	PS LOWER LEVEL PLAN
PROCESS MECHANICAL	PS OPERATING FLOOR PLAN
PROCESS MECHANICAL	PS SECTIONS
HVAC	LOWER LEVEL HVAC PLAN
HVAC	OPERATING FLOOR HVAC PLAN
PLUMBING	LOWER LEVEL PLUMBING PLAN
PLUMBING	OPERATING FLOOR PLUMBING PLAN

ELECTRICAL	POWER DISTRIBUTION FUNCTIONAL DIAGRAM
ELECTRICAL	MEDIUM VOLTAGE - ONE LINE DIAGRAMS
INSTRUMENTATION	CONTROL SYSTEM BLOCK DIAGRAM
INSTRUMENTATION	P&ID - INTAKE
INSTRUMENTATION	P&ID - WETWELL AND DISCHARGE
INSTRUMENTATION	LEGENDS & ABBREVIATIONS

DRAFT

ATTACHMENT B
ENGINEERING FEE WORKSHEETS

DRAFT

DRAFT

Price/Fee Summary							
Task	Description	Hours	Labor	Travel Expenses	Field/Misc Expenses	Subcontracts	Total Price/Fee
TOTALS:		3071.00	\$714,314.92	\$9,385.00	\$27,331.90	\$0.00	\$751,031.82
Task 1 Task 1 Project Management							
1/01	Project Management	220	\$64,074.72	\$3,940.00	\$1,958.00		\$69,972.72
1/02	Administration	120	\$20,176.20		\$1,068.00		\$21,244.20
1/03	Management of Subconsultants	8	\$2,103.22		\$71.20		\$2,174.42
Task 1 Subtotals		348	\$86,354.14	\$3,940.00	\$3,097.20		\$93,391.34
Task 2 Task 2 Special Project and Third-Party Meetings							
2/01	Special Project Meetings	48	\$12,480.71	\$1,970.00	\$427.20		\$14,877.91
2/02	Third-Party Meetings	60	\$16,328.46		\$534.00		\$16,862.46
2/03	Reclamation Meetings						
Task 2 Subtotals		108	\$28,809.17	\$1,970.00	\$961.20		\$31,740.37
Task 3 Task 3 Site Selection, Recon and Landowner Communic							
3/01	Final Site Selection	36	\$9,806.86	\$3,475.00	\$320.40		\$13,602.26
3/02	Right of Entry Agreements	5	\$1,343.04		\$44.50		\$1,387.54
3/03	Landowner Contacts	5	\$1,343.04		\$44.50		\$1,387.54
3/04	Title Research	5	\$1,343.04		\$44.50		\$1,387.54
3/05	Land Appraisal	5	\$1,343.04		\$44.50		\$1,387.54
3/06	Survey and Platting	5	\$1,343.04		\$44.50		\$1,387.54
Task 3 Subtotals		61	\$16,522.07	\$3,475.00	\$542.90		\$20,539.97
Task 4 Task 4 Land Acquisition and Field Services							
4/01	Survey	5	\$1,343.04		\$44.50		\$1,387.54
4/02	Phase I Environmental Site Assessment	5	\$1,343.04		\$44.50		\$1,387.54
4/03	Wetland Delineation	5	\$1,343.04		\$44.50		\$1,387.54
4/04	Cultural Resources Inventory	5	\$1,343.04		\$44.50		\$1,387.54
4/05	Preliminary Geotechnical Field Investigation	21	\$5,101.11		\$186.90		\$5,288.01
4/06	Subsurface Utility Engineering	5	\$1,343.04		\$44.50		\$1,387.54
Task 4 Subtotals		46	\$11,816.32		\$409.40		\$12,225.72
Task 5 Task 5 Preliminary Design							
5/01	Design Team Conference Calls	354	\$89,566.02		\$3,150.60		\$92,716.62
5/02	Permitting	124	\$29,510.24		\$1,103.60		\$30,613.84
5/03	Hydraulic Model Refinement, Wetwell Configuration, P	252	\$54,671.39		\$2,242.80		\$56,914.19
5/04	Basis of Design Memorandum - Schematic Phase	196	\$43,668.23		\$1,744.40		\$45,412.63
5/05	Basis of Design Memorandum - Spatial Phase	248	\$56,981.46		\$2,207.20		\$59,188.66
5/06	Prepare Basis of Design Memorandum	1220	\$267,148.17		\$10,858.00		\$278,006.17
5/07	OPCC (AACE Class 3)	114	\$29,267.72		\$1,014.60		\$30,282.32
Task 5 Subtotals		2508	\$570,813.23		\$22,321.20		\$593,134.43
Task 6 Task 6							
Task 6 Subtotals							



**ENDAWS Task Order 3210 – Eastern North Dakota Alternate Water Supply
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a preliminary design task order in the amount of \$2,872,752 for preliminary design associated with the Biota Water Treatment Plant and McClusky Main Pumping Station as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The Task Order (TO) advances the appraisal-level design completed under the Bureau of Reclamation’s ENDAWS Environmental Impact Statement and Record of Decision. Services will begin in February 2024 and finish by October 2025. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services: The estimated hourly fee and expenses for standard and customary preliminary design, surveying, and environmental services are as follows for a future construction project with an estimated cost of \$142 million:

	Fee	% of Const
1) Task Order Management and Administration	\$172,472	0.12%
2) Special Project and Third-Party Meetings	\$111,005	0.08%
3) Land Acquisition Services	\$177,122	0.12%
4) Field Services	\$394,775	0.28%
5) Preliminary Design Services and OPCC	\$1,852,104	1.30%
6) NDPDES Permitting Support	\$165,274	0.12%
Totals	\$2,872,752	2.02%

Special Services: There are no unique or specialized services required under this task order.

PROJECT OVERVIEW

A map showing the location of the project is included in the background information of the attached Task Order. This project will be located adjacent to the McClusky Canal Intake Pumping Station site near McClusky, North Dakota. Elements of this preliminary design Task Order are:

- Development of a Project Management Plan specific to the Work to keep the Task Order on schedule and on budget,
- Leading Special Project and Third-Party meetings to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input,
- Provide land acquisition services for up to four parcels of property to acquire the sites for the McClusky Canal Intake Pumping Station (TO 2250), the Biota Water Treatment Plant and McClusky Main Pumping Station, as well as the Hydraulic Break Tanks (TO 4250),
- Additional Field Services to utilize and build upon the initial field reconnaissance, topographic mapping and field surveying work completed under previous task orders, as well as wetland delineation, to identify various constraints that may impact either the purchase price or the use of the land associated with the four facilities,
- Preliminary Design to provide:
 - Preliminary site layout, access plan, and Utility Extension Plan,
 - Preliminary building layout, process mechanical layout and P&IDs for the facilities,

**ENDAWS Task Order 3210 – Eastern North Dakota Alternate Water Supply
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

- Hydraulic Analysis and Process Engineering including basis of design level treatment requirements, water quality sampling and analysis, bench-scale testing, Process Design technical memorandum,
- Development of an ENDAWS preliminary design report, associated preliminary design drawings, and preliminary Opinion of Probable Construction Cost as the key deliverables, and
- North Dakota Pollutant Discharge Elimination System (NDPDES) Permitting Services



Black & Veatch Corporation

Professional Services for the Red River Valley Water Supply Project
Under General Agreement dated January 17, 2008

ENDAWS Task Order 3210 – Biota Water Treatment Plant and McClusky Main Pumping Station Preliminary Design

Effective Date – February 1, 2024

Content of this Task Order is as follows:

- I. PROJECT BACKGROUND..... 1
- II. TASK ORDER OBJECTIVES..... 2
- III. GENERAL REQUIREMENTS 7
- IV. BASIC SERVICES..... 7
- V. DELIVERABLES (not updated)..... 16
- VI. ADDITIONAL SERVICES..... 17
- VII. SPECIAL RESPONSIBILITIES OF OWNER..... 17
- VIII. FEE..... 17
- IX. PERFORMANCE SCHEDULE 17
- X. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS 17
- XI. ACCEPTANCE..... 18

I. PROJECT BACKGROUND

1. The Red River Valley Water Supply Project (RRVWSP, the Project) will provide a supplemental water supply to eastern and central North Dakota (ND) in the event of drought conditions in the Red River watershed. The Project as envisioned by the Garrison Diversion Conservancy District (Garrison Diversion, the Owner) will also supply additional water to support industrial development as well as provide an environmental benefit to local rivers during drought conditions by augmenting natural stream flows. The source water will be withdrawn from the Missouri River or the McClusky Canal and conveyed to a new water plant. A multi-county pipeline will then convey flows from the plant to the Sheyenne River. Lake Ashtabula located downstream will provide storage for controlled releases to the Red River Valley. The current focus of the project is to construct the intake at the McClusky Canal and the completion of the pipeline from the McClusky Canal to the Sheyenne River.
2. Professional services for design of the Project will be accomplished through the execution of multiple task orders for design and associated activities as well as for engineering services during construction.

3. The U.S. Department of the Interior, Bureau of Reclamation (Reclamation) completed the Eastern North Dakota Alternate Water Supply EIS which resulted in the Record of Decision being signed for the ENDAWS portion of this project. As such, Reclamation is a stakeholder for this project and coordination with them is presumed throughout the effort.

II. TASK ORDER OBJECTIVES

1. The objective for this task order is to complete a preliminary design for the Biota Water Treatment Plant (BWTP) and the McClusky Main Pumping Station (McMPS). The BWTP generally consists of sediment/sand removal, ultraviolet (UV) disinfection and chlorine disinfection. **Figure 1** shows the approximate location and layout of the Biota Water Treatment Plant. A final site has not been selected but it is assumed that the BWTP will be very close to the McClusky Canal Intake Pumping Station. **Figure 2** was prepared as part of the EIS and shows a conceptual BWTP layout drawing of the UV portion of the BWTP. The McMPS will be very similar to the Missouri River Main Pumping Station. **Figure 3** shows a conceptual layout of the Missouri River Main Pumping Station for reference of size. It is expected that the McClusky Canal Intake Pumping Station, the BWTP and McMPS will all be in close proximity to each other as described below.
2. The primary treatment goal for the BWTP is to limit the likelihood that Aquatic Invasive Species (AIS) would be transferred from the Missouri River watershed to the Hudson Bay watershed. The current conceptual design of the BWTP evolved under three phases.
 - A. A Preliminary Design Report (PDR) was submitted in April 2018 for the RRVWSP. This effort focused on a BWTP location near Washburn, ND as part of the original RRVWSP alignment. The PDR presented an analysis with how Missouri River sediment/sand would be removed and the approximate chlorine disinfection system to remove AIS.
 - B. Following that, a more detailed treatment analysis was completed as part of obtaining a North Dakota Pollution Discharge Elimination System (NDPDES) Permit. The permit still assumed a BWTP location near Washburn, ND. Various drafts of permit applications were developed in 2018-2019 and the final application was submitted on August 19, 2019. The permit application presented significant more detail than the Preliminary Design Report on the likely types of AIS, the C-T times required to eliminate the AIS, how the C-T times would be addressed through a combination of disinfection in chlorine contact tanks and the pipeline, how the effectiveness of disinfection would be monitored, and contingency measures regarding disposal of water that did not meet required disinfection criteria. The NDPDES permit is still in effect.
 - C. The third water treatment analysis was the Biota Water Treatment Plant Appraisal-Level Design Engineering Report (April 15, 2020) done under the guidance of Reclamation as part of the ENDAWS phase of the project, which switched the BWTP to near the McClusky Canal Intake. The conclusion of this report expanded the proposed BWTP treatment processes to include UV as a second disinfection process. The Report assessed background water quality

conditions from the McClusky Canal, evaluated types of chlorine disinfection and required C-T times and evaluated the sizing of an UV system.

It is expected that the preliminary design will be based on the BWTP designed developed in the EIS. However, the preliminary design will draw on elements developed during the PDR and the NPDES permit application. Also, as part of the preliminary design, a revised NDPDES permit will be sought from the State that incorporates the revised BWTP locations and added UV disinfection process.

3. The objective of the McMPS will be to pump the treated water from the BWTP to the break tanks. The McMPS was conceptually estimated to be a 20,000 HP pumping station and is expected to contain surge control features similar to the Missouri River Main Pumping Station. While the EIS shows the McMPS as a standalone facility, a design goal is to integrate the pumping station into the overall site plan of the Biota Water Treatment Plant.
4. As noted above, the McClusky Canal Intake Pumping Station, the BWTP and the McMPS will be in close proximity to each other. The task order will include an evaluation of how to best serve the entire complex with power. Features such as site access, fire protection, and potable water will be shared across the site. It is further expected that the BWTP will be the central operations center for the entire project, including both pump stations.
5. Specific activities for this Task Order are to:
 - A. Finalize a site location for the BWTP and McMPS.
 - B. Support Garrison Diversion with the required survey and land acquisition of the property for the two facilities.
 - C. Complete a preliminary geotechnical investigation to support the preliminary design.
 - D. Complete environmental, cultural, threatened and endangered species, and raptor surveys of the property.
 - E. Develop topographic site plans from currently available LIDAR information.
 - F. Develop a plan for bringing required utilities to the selected property locations.
 - G. Develop a Basis of Design Report including preliminary drawings. A proposed outline for the Basis of Design Report and a preliminary drawing list is included in **Attachment A**.
 - H. Provide an updated Opinion of Probable Construction Cost (OPCC).
6. This Task Order includes supporting Task Order 2250, McClusky Canal Intake Pump Station and Task Order 4250, Hydraulic Break Tanks by providing the required geotechnical information, environmental and cultural assessments, and property acquisition support for those facilities.

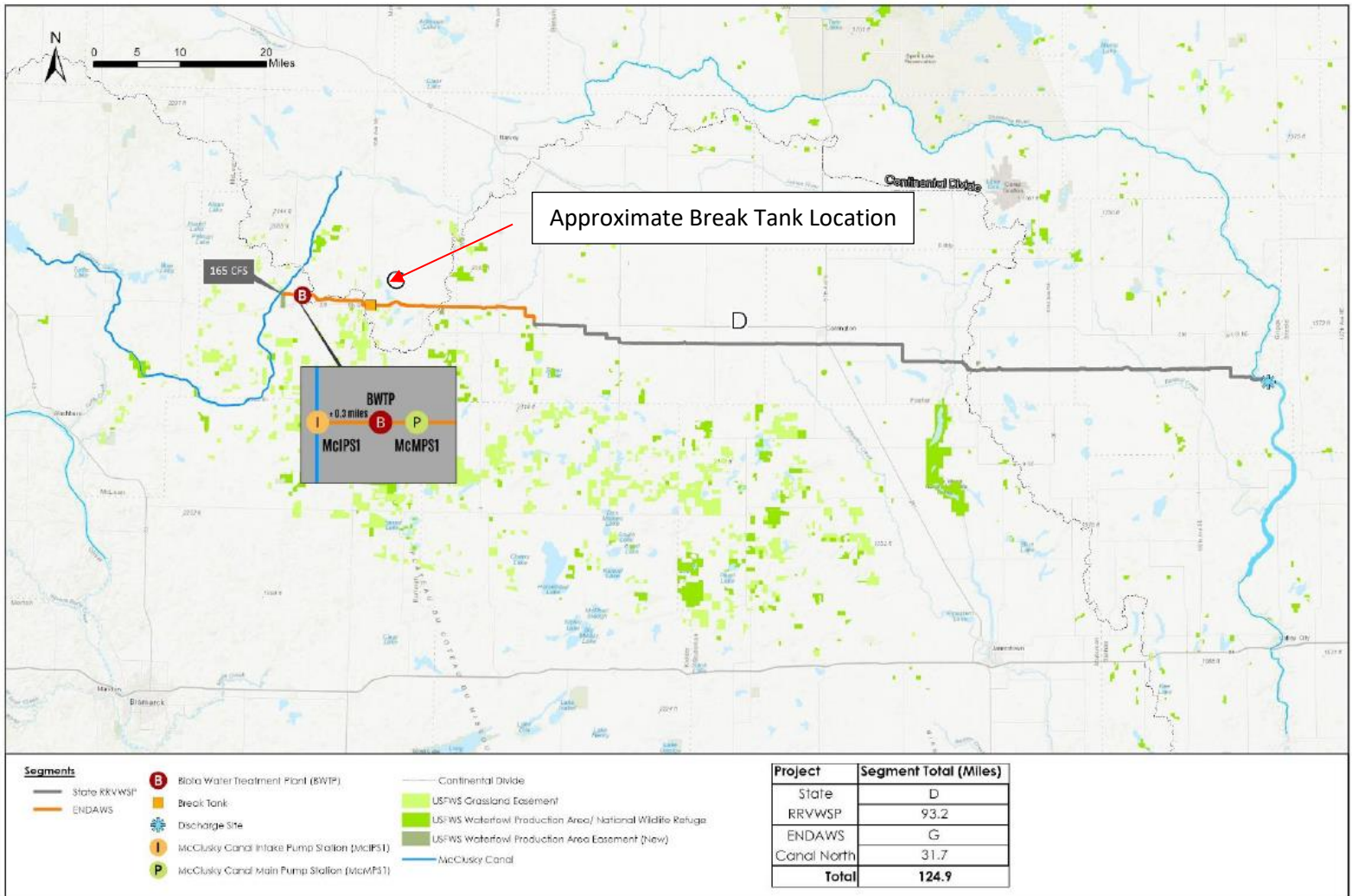


Figure1 - Biota Water Treatment Plan Location

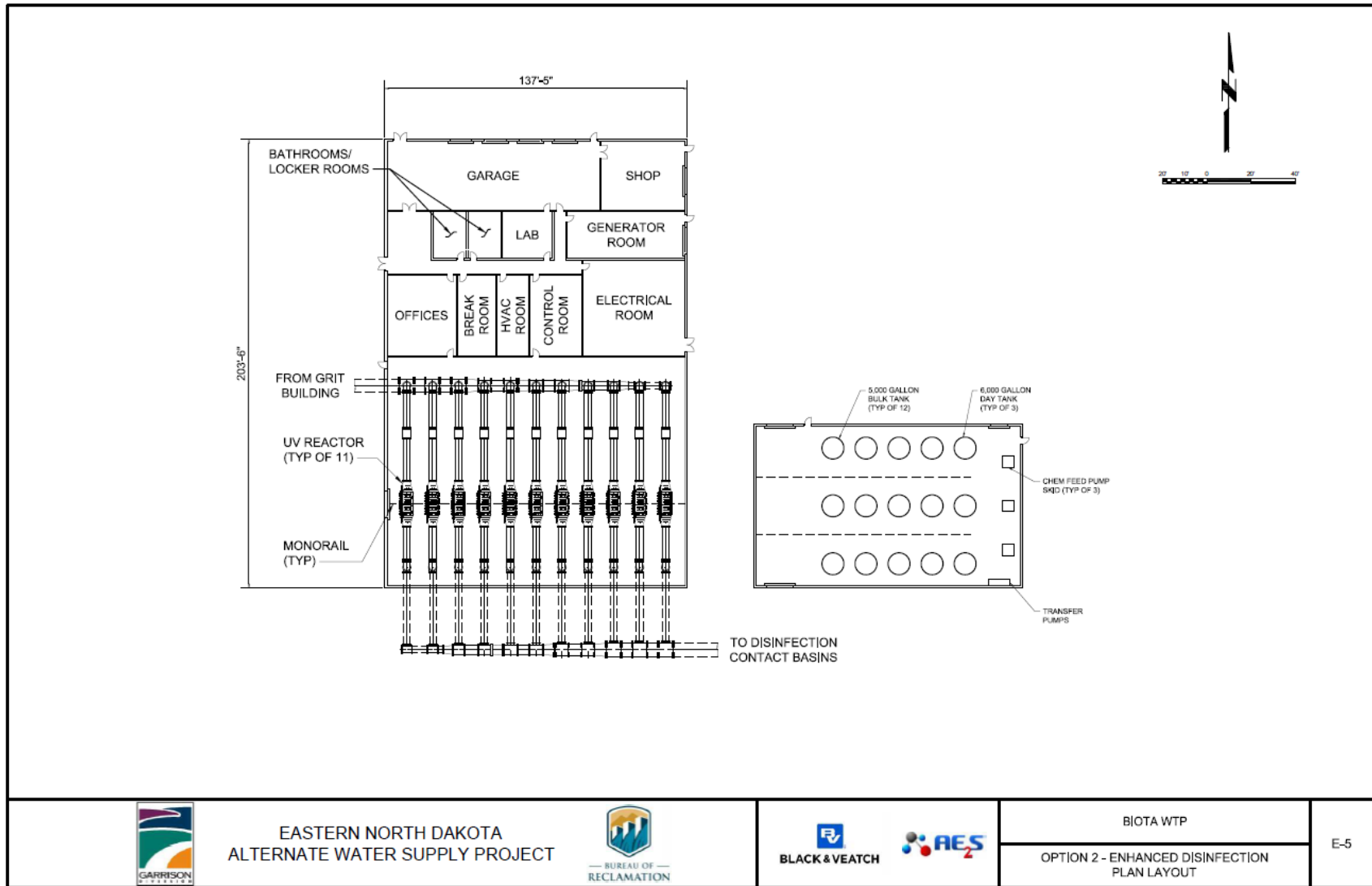


Figure 2 – Biota Water Treatment Plant Conceptual Design (UV portion)

III. GENERAL REQUIREMENTS

1. Under this Task Order, Engineer will provide services in accordance with the Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 (Agreement).
2. General Description of Activities. The Basic Services to be performed by Engineer consist of professional design services associated with development of preliminary design for construction of a Biota Water Treatment Plant and McClusky Main Pumping Station and associated site improvements and access road(s).
3. Work outside Basic and Special Services. Engineer agrees to provide the Basic Services and Special Services identified herein. Work not specifically discussed herein as part of Basic Services or Special Services is considered Additional Services. Additional Services will only be performed with proper separate authorization such as an amendment to this Task Order or a new separate Task Order.
4. Capital Cost Opinions. All opinions of probable construction cost developed will generally follow the recommendations of the Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 18R with regard to methodology and accuracy. The cost opinions' level of accuracy presented by Engineer for the various deliverables will be as noted in subsequent paragraphs of this Task Order under Basic Services.

IV. BASIC SERVICES

Basic Services of this Task Order are organized into major tasks as follows:

- Task 1 – Task Order Management and Administration
- Task 2 – Special Project and Third-Party Meetings
- Task 3 – Land Acquisition Services
- Task 4 – Field Services
- Task 5 – Preliminary Design Services and OPCC
- Task 6 – North Dakota Pollutant Discharge Elimination System (NDPDES) Permitting Services

1. Task 1 – Task Order Management and Administration

This task includes overall management and development of a Project Management Plan specific to the Work. The overall objective of this task is to keep the Task Order on schedule and on budget.

- A. Project Management. Engineer will provide management services necessary for execution of the Task Order, including efforts required for proper resource allocation, schedule development and monitoring, budget review and control, Owner coordination, and other standard and customary activities required for timely completion of the Work. Owner coordination will occur through regular project meetings as described in Task 5A.

- B. Administration. Perform general administrative duties associated with the Task Order, including general correspondence, day-to-day contact and coordination, administration, and monthly invoicing in a form that is acceptable to the Owner.
- C. Management of Subconsultants. Engineer will monitor subcontractor progress, review and approve invoices, oversee adherence to the approved quality assurance/quality control (QA/QC) plan, monitor adherence to document preparation standards, and generally oversee Subconsultants' performance.

2. Task 2 – Special Project and Third-Party Meetings

The overall objective of this task is to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input. Engineer will prepare an agenda and provide meeting notes documenting discussions and action items. The following meetings are anticipated:

- A. Special Project Meetings
 - i. Task Order Initiation Meeting. Engineer will conduct a Task Order Initiation Meeting with the Owner and Subconsultants to review the overall approach to the Work, the schedule by which the work will be prosecuted, and other relevant coordination and management items necessary for a successful outcome. Another objective of this meeting will be to finalize the approach to right(s) of entry and to reach an agreement on an approach to obtaining the necessary right(s) of entry. It is assumed Reclamation will participate in this meeting.
- B. Third-Party Meetings
 - i. Stakeholder Meetings. Engineer will attend and present Project information for one meeting with the Lake Agassiz Water Authority (LAWA) Technical Advisory Committee (TAC).
 - ii. Design Coordination Meetings. Engineer will schedule and meet with the following agencies. Engineer will provide summary notes of meetings.
 - (a) Two meetings with Reclamation in regard to the BWTP.
 - (b) Two meetings with the local electric utility regarding providing power service.
 - (c) Three meetings with the State to review for and plan the revised NDPDES permit application
 - (d) Six meetings to support Garrison Diversion in its landowner negotiations.
- C. Bureau of Reclamation Meetings

Reclamation will be engaged throughout the design process and meetings are assumed for every other month (ten meetings total) to coordinate the progress of the BTWP design.

3. Task 3 – Land Acquisition Services

The purpose of the Land Services task is to provide Garrison Diversion with the support it needs to acquire the sites for the McClusky Canal Intake Pumping Station, BWTP, the McMPS and the Hydraulic Break Tanks. Engineer will provide land acquisition services for up to four parcels of property. Land acquisition for the hydraulic break tanks was already included in Task Order 7410. The scope and fee will be transferred to this task order so all land acquisition can be completed under one task order.

- A. Final Site Selection. As shown in Figure 1, a general area for the BWTP has been selected. Specific parcels have not been identified. This task includes a review of likely parcels and a site walk with Garrison Diversion and Reclamation to review the possible site locations for the BWTP. The site walk will include an environmental professional to identify potential environmental conditions (wetlands, critical habitat) cultural features or pollution liability features that may impact site acquisition. The site walk will also include identification of potential utilities. A final site selection technical memorandum will be developed on conjunction with Reclamation to supplement the existing EIS.
- B. Right of Entry Agreements. Engineer will obtain right of entry (ROE) agreement(s) from the property owner(s). These ROEs are necessary to complete supplemental topographic surveys and to complete geotechnical borings during Preliminary Design.
- C. Landowner Contacts. Engineer will support GDCD in making the initial landowner contacts to initiate discussions on purchase of the property. Initial contacts will be followed up with up to three landowner meetings for each parcel to finalize the purchase.
- D. Title Research. Title work will be completed by a title company and or the Engineer's right-of-way agents.
- E. Land Appraisal. Engineer will assist GDCD in the selection of an independent third-party land appraiser to obtain estimates on the purchase value of potential sites.
- F. Survey and Platting. Survey support for each site will require the following subtasks:
 - i. Research
 - ii. Preparation of a preliminary plat
 - iii. Preparation of a plat application
 - iv. Boundary survey
 - v. Agency coordination
 - vi. Jurisdictional review meetings
 - vii. Preparation of the final plat
 - viii. Placement of corner monuments
 - ix. Providing the final plat to Garrison Diversion to file in respective County Recorder's Office in compliance with North Dakota Century Code
- G. Additional negotiations or services above those stated are Additional Services.

4. Task 4 – Field Services

Appraisal-level engineering tasks completed under ENDAWS, conceptual-level engineering services provided under Task Order 5360, and ENDAWS pipeline preliminary design under Task Order 5280 all included initial field services efforts. This Task Order builds upon the initial field reconnaissance work completed thereunder and utilizes the topographic mapping and field surveying work completed under the previous authorization. Follow-on field services, including wetland delineation, are included in this task.

The purpose of this task is to identify various constraints that may impact either the purchase price or the use of the land associated with the four facilities.

A. Survey

- i. Prepare an existing conditions topographic site plan for each of the four facilities. This site plan will be created utilizing the previously collected LiDAR topographic data and field collected PLSS section lines.
- ii. Identify areas on each of the four facility sites where additional field ground topographic data will need to be collected. Specifically obstructed areas, road crossing, culverts, and other features that are not included in the LiDAR dataset. For the purposes of this Task Order it is assumed that each facility will require one day of supplemental field survey data collection.
- iii. Bathymetric Survey of McClusky Canal. A Bathymetric survey of the Canal in the area of the intake will be completed to support the preliminary design.

B. Phase 1 Environmental Site Assessments (ESA)

- i. Engineer will perform work in accordance with ASTM E1527-21 and will issue a final report in accordance with ASTM guidance. It is understood by all parties that Phase I ESAs are not intended to be exhaustive. The scope of the Phase I ESA may require revisions based on field conditions and findings. Findings of the Phase I ESA cannot eliminate all uncertainty. Results of the site visit might vary depending on the weather conditions at the time of the site visit. Professional judgment and interpretation are inherent in the process and exercised in accordance with objective scientific principles; however, uncertainty is inevitable.
- ii. The purpose of the Phase I ESA is to evaluate the potential for on-site contamination from on- and off-site sources. The Phase I ESA will evaluate current and historical conditions at the subject property and surrounding areas that could present potential environmental concerns on the subject property, in accordance with guidelines described in ASTM E1527-21. Engineer will coordinate with a third-party contractor, Environmental Data Resources, Inc. (EDR), to obtain the premium EDR package, which includes reports and information necessary for compliance with ASTM Standard

E1527-21. Engineer will also perform a site visit to the properties to document potential sources or incidences of Recognized Environmental Conditions (RECs).

- iii. One site visit will be conducted on each of the four parcels. Engineer's Subconsultant will prepare four Phase I ESA reports. The Phase I ESA reports will include identified RECs and associated recommendations of a Phase II ESA (sampling of the area[s] of concern). The reports will conclude with findings regarding the potential for contamination. Electronic copies of the final report will be provided.
- C. Wetland Delineation. Complete field wetland delineations within the four facility sites.
- i. Data Collection. Provide National Wetland Inventory (NWI) Maps, aerial photography, soil survey data, and topographic maps for use during field surveys.
 - ii. Field Wetland Delineation. Field wetland delineation will be completed in accordance with the USACE 1987 Wetland Delineation Manual and the Great Plains Regional Supplement. A wetland delineation report will be submitted to the USACE with a request for a jurisdictional determination.
 - iii. USFWS Wetland Easements. Coordinate with the USFWS with regard to the locations of wetland basins that fall under USFWS easement. Accompany the USFWS into the field to map the boundaries based on the USFWS identification of the boundary. Data will be incorporated into a GIS database for avoidance purposes.
- D. Threatened and Endangered Species and Eagle Field Surveys. Perform threatened and endangered species field surveys within the four facility sites.
- i. Desktop Review. As a follow-up to the previously completed desktop study Memorandum "Threatened and Endangered Species, Critical Habitat and Eagle Concerns Memorandum", Engineer will evaluate slope, aspect, soils, topography, historical imagery, and known disturbance to further define the potential for suitable habitat for those areas identified as potential in the memorandum.
 - ii. Field Surveys. A field survey will be completed to identify threatened and endangered species presence and potential habitat within and near the proposed facility sites.
 - (a) Raptor Survey. In addition, raptor nests will be documented from a line of sight survey from within the facility sites. Should potential nests be identified, further analysis will be completed from public right of ways, if access permission is not granted from landowners, to evaluate nest activity and species occupying the nest.
 - (b) Dakota Skipper Survey. A habitat survey will be performed for the Dakota Skipper. Should a determination be made that the project may potentially impact the Dakota Skipper, a specialist will be required to determine species presence. This determination is not included in this Task Order.

- (c) Tree Survey. Trees greater than three-inch diameter at breast height within the four facility sites, which are suitable for northern long eared bat nesting and roosting, will be counted and recorded for consideration of impacts during construction.
 - iii. Prepare a Threatened and Endangered Species and Eagle Nest Report documenting findings of the field surveys for each of the four facility sites. A determination of potential impacts to the species will be included in the report as well as any further coordination recommendations with the US Fish and Wildlife Service and/or documentation of avoidance/minimization measures for construction.
- E. Cultural Resources Inventory. Perform a cultural resource inventory to Class III standards within the Area of Potential Effect (APE) for each of the four facility sites. The inventory will be conducted utilizing a series of pedestrian transects spaced not more than 50 feet apart. This scope assumes the identification/revisiting of up to 10 cultural resources. Coordination with Tribal Historical Preservations Office (THPO) is not anticipated to be an aspect of the Cultural Resource Inventory. All cultural resources encountered will be recorded and site forms submitted to the ND State Historic Preservation Office (SHPO) for assignment of a Smithsonian Institution Trinomial System (SITS) number. Data collected during these field surveys will be incorporated into a final report and submitted to the BOR for coordination with SHPO.
- F. Preliminary Geotechnical Field Investigation. The objective of this task is to provide preliminary geotechnical information to support for each of the four selected sites to support preliminary design. Additional borings will be required in the final design phase after the building locations and sizes and been finalized. The scope of work for the preliminary geotechnical investigation will include approximately one boring in the McClusky Canal, 3 deep soil borings for the intake pump station, 3 deep soil borings for the main pump station, two deep soil borings for the hydraulic break tanks, and ten soil borings for the BWTP.
 - i. Exploratory work, field testing, and laboratory testing services will be completed by Engineer's Subconsultant. Field services include planned geotechnical exploratory work, such as soil borings, standard penetration tests, soundings, laboratory tests of soils and rock samples. The field work will provide information for design, and other field and laboratory tests and analyses that are required.
 - ii. Geotechnical Data Reports. A standard Geotechnical Data Report will be prepared for each of the facilities listed above based on findings from land-side borings and associated site civil work. The Geotechnical Data Report will be completed by the sub-consultant geotechnical engineer and reviewed by the Engineer.
- G. Subsurface Utility Engineering. Provide subsurface utility engineering services performed to ASCE 38.02 Quality Level D. Utility owners will be identified and contacted to confirm utilities in the area, and to obtain any available utility maps and drawings which will support the field work.

5. Task 5 – Preliminary Design

The purpose of Preliminary Design is to provide a preliminary site layout and access plan, a preliminary building layout and associated architectural and structural drawings, a preliminary process mechanical layout, a preliminary P&IDs for the facilities, and a preliminary description of how the facilities will be served by utilities.

- A. Design Team Conference Calls. Engineer will schedule and lead conference calls with the Owner and its team. Calls will be scheduled, and content organized to coincide with other Task Orders for efficient utilization of staff time.
 - i. Owner Conference Calls (up to 40 calls assuming a 20-month preliminary design phase duration). Engineer will conduct bi-weekly conference calls with the Owner to review overall progress, exchange ideas and information, and coordinate activities.
 - ii. Task Order Coordination Calls (up to 20 calls). Engineer will plan and take part in monthly coordination conference calls with tasks leaders of other Task Orders to share progress and conclusions such that efforts are well coordinated and not duplicated or unnecessary.
- B. Permitting. It is assumed that no permits will be required as this is a preliminary design task order. It is expected that landowner permissions will be required for the geotechnical borings and for site access.
- C. Utility Extension Plan. Given the remote nature of the sites, it is expected that significant efforts will be needed to extend power utilities to the site. It is also expected that plans will be needed for a potable water supply, heating, water storage for fire protection and sewerage disposal. The scope includes identifying the type of utility extension, the estimated cost of the utility extension, and the need for any property easements associated with the extension. The actual design of the utility extension will be completed under the Final Design Task Order.
- D. Transportation Access Plan. An overall transportation access plan will be established to provide definition of the local road extensions required to have access to the facilities.
- E. Hydraulic Analysis
 - i. Note that the hydraulic efforts described in this task order are relate to the sizing of the pump station and establishing the hydraulics within the BWTP and McMPS. The overall hydraulics of the system are being completed under Task Order 5340.
 - ii. It has not been determined if a physical model is needed for the pump station. A \$200,000 allowance has been included to provide for contracting with a laboratory and the oversight of a physical model if one is needed.

- F. BWTP Process Engineering. The objective of this sub-task is to develop a more rigorous process design that builds on the conceptual work by Reclamation. Process work is expected to include:
- i. Perform a Regulatory Review and Define Treatment Requirements
 - (a) Determine basis of design for level of treatment require. This will include verifying with Reclamation and the State final treatment objectives, including determining if a chlorine residual needs to be carried for the full extent of the pipe. An assessment of McClusky Canal turbidity and recommended pre-treatment technologies to keep turbidity less than 10 NTU prior to disinfection will also be completed.
 - (b) Confirm required chemical capacity needed for treatment between wet, semi-drought and drought years.
 - ii. Water Quality Sampling and Analysis
 - (a) Create and perform sampling program consistent with the 2020 report that recommended more water sampling prior to preliminary design. The sampling will include testing for water quality parameters such as UVT, TOC, SUVA and others not previously tested. The scope is to develop a separate water quality sampling plan will be developed. Garrison Diversion will collect the water quality samples and send them to the laboratory for analysis.
 - iii. Bench-scale Testing (Black & Veatch Kansas City Lab)
 - (a) Establish treatment requirements to meet inactivation
 - (i) UV contact time, chlorine dose and residual
 - (b) Determine disinfection byproduct formation
 - (i) Send samples for 3rd party analysis
 - (ii) Establish dose with least impactful DBP formation
 - iv. Process Design Tech Memo
 - (a) Summarize Regulatory Review, Water Characterization, Blending Analysis, Bench-scale Testing Results
 - (b) Establish selected treatment train with a detailed PFD, and a flow balance diagram. Establish expected chemical use under varying flow conditions.
- G. Basis of Design Memorandum
- i. Draft Basis of Design Memorandum (BDM). A draft BDM will be prepared for the design and construction of the BWTP and McMPS. Engineer will review the Draft BDM for accuracy and completeness prior to submitting to the Owner for review and comment. The BDM will build upon the work of the previously prepared Preliminary Design Report and EIS.
 - ii. Review and Finalize BDM. Engineer will confer with Owner's staff to review the Draft BDM and obtain Owner's comments. Engineer will address Owner comments and develop a Final BDM. The Final BDM will be the document followed by the design team during the final design.

- H. Engineer will prepare Preliminary Deliverables. Preliminary drawing development will be completed in parallel with the draft BDM.
- i. Document Development. The content of preliminary deliverables is as follows:
- General project scope and background references.
 - Flow rates - present and anticipated.
 - Raw water quality - physical, chemical, and biological.
 - Design objectives and treated water quality.
 - Sludge quantities and types.
 - Applicable codes and standards, including fire and safety codes including code review and approval process.
 - Site considerations, including subsurface conditions, flood elevations, drainage requirements, etc.
 - Process Flow Diagrams
 - Site plan, building layouts, and architecture.
 - Hydraulic profile of treatment facilities.
 - Condensed hydraulic profile of pipelines.
 - Process and hydraulic systems.
 - Sludge processing systems and handling.
 - Sludge disposal method.
 - Chemical feed and storage.
 - Operational monitoring and control systems.
 - HVAC systems.
 - Electrical systems.
 - Structural design criteria.
 - Communications systems.
 - Miscellaneous support systems.
 - Security systems.
 - Utility requirements.
- ii. Preliminary Design Review. Attend a meeting or conference call with the Owner to receive and discuss review comments. Document comments received in a log and distributed to stakeholders.
- iii. Revise documents as necessary to reflect decisions taken at this level incorporating design modifications into subsequent deliverables.
- I. Preliminary Opinion of Probable Construction Cost (OPCC). Engineer will update the OPCC (aka Cost Opinion or Cost Estimate) at the preliminary design submittal after transmittal of the Level 1 deliverable. The cost opinion will be updated commensurate with an ACE Class 3 estimate. The expected accuracy will be -10 to -20 percent on the low end and the expected accuracy on the high end will be from +10 to +30 percent.

9. Task 6 – NDPDES Permitting Support

- A. The existing NDPDES permit will need to be updated to incorporate the new BWTP location and new water source. Based on the last NDPDES application, it is assumed two draft permit applications will be submitted and then a final permit application. Meetings are assumed with the State before and after each draft. The permit application will include the required NDPDES forms and a technical memorandum demonstrating the treatment adequacy of the chlorine and UV systems. The analysis will also include development of a monitoring plan and a contingency plan to manage water that is not fully treated.

V. DELIVERABLES

The following deliverables will be furnished under this Task Order. Documents or deliverables not included in the list below will be provided as Additional Services as authorized by the Owner.

1. Task 1 – Project Management
 - A. Monthly invoices
 - B. Baseline Schedule
2. Task 2 – Special Project and Third-Party Meetings. Meeting agenda (included with MS Outlook meeting invitations) and minutes (electronic pdf files)
3. Task 3 - Final Site Selection, Site Reconnaissance and Landowner Communication Support
 - A. Final Site Selection Technical Memorandum.
4. Task 4 - Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey.
 - A. Land Acquisition Site Plan
 - B. Geotechnical Investigation Data Report
 - C. Site Environmental and Cultural Report
 - D. Site Topographic Map
 - E. Phase I ESA
2. Task 5 – Preliminary Design
 - A. Meeting/conference call agenda and minutes (electronic pdf files)
 - B. Reports for Utility Extension, Transportation, Hydraulic Analysis, and BWTP Process Engineering (electronic pdf file)
 - C. Basis of Design Memorandum (draft and final electronic pdf files)
 - D. Preliminary Drawings (single hard copy and electronic pdf files)
 - E. Preliminary cost opinion (electronic pdf file)
 - F. Preliminary Design Owner review comments log (electronic pdf file)

3. Special Services

A. None.

VI. ADDITIONAL SERVICES

The professional services listed below are not included in the scope of this Task Order nor does the fee shown in Article IX include any labor and direct expenses for items identified as Additional Services. Should Owner want to include services listed under Additional Services in Engineer's scope, an amendment to this Task Order, or execution of a separate Task Order with the new scope, will be necessary.

1. The fee specifically excludes and fees associated with permits and the actual property acquisition costs.

VII. SPECIAL RESPONSIBILITIES OF OWNER

1. Interim Deliverable Review Requirements. Owner commits to review periods for interim deliverables of no more than 30 calendar days after receipt of deliverables from Engineer. A review meeting will be scheduled and conducted by Engineer no more than 14 calendar days after receipt of Owner review comments, unless a mutually agreed upon date outside this schedule window is selected.
2. Land Acquisition Costs. Fees paid to all property owners necessary to purchase property, easements, or ROEs are the responsibility of the Owner.

VIII. FEE

The total fee for Basic Services provided under this Task Order is 2,872,752.

A worksheet showing the fee estimate and level of effort by task is included in Attachment B.

IX. PERFORMANCE SCHEDULE

Basic and Special Services of this Task Order will be completed by October 2025.

X. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

1. Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 is incorporated by reference.
2. Attachment A – Proposed Outline for the Basis Of Design Report and Preliminary Drawing List
3. Attachment B – Engineering Fee Worksheets

XI. ACCEPTANCE

If this satisfactorily sets forth your understanding of our Agreement, please print and sign this document. You should retain one copy for your files and return an electronic copy via email to Paul Boersma (BoersmaPM@BV.com) with Black & Veatch Corporation.

By: _____
Duane DeKrey, General Manager
Garrison Diversion Conservancy District

By: _____
Paul Boersma, Associate Vice President
Black & Veatch Corporation

Dated: _____

Dated: _____

DRAFT

ATTACHMENT A
PROPOSED OUTLINE FOR THE BASIS OF DESIGN REPORT
AND
PRELIMINARY DRAWING LIST

DRAFT

PROPOSED OUTLINE FOR THE BASIS OF DESIGN REPORT

1. General
 - a. Project Description
 - b. Background
 - c. Project Scope
 - d. Schedule
 - e. Site Description
 - i. Location
 - ii. Datum
 - f. Flood Protection
2. Process Design Criteria
 - a. Source Water Quality
 - b. Finished Water Quality
 - c. Design Flows
 - d. NPDES Permit Limits
3. Facility Requirements
 - a. Site Selection
 - b. Land Acquisition
 - c. Environmental/Cultural
4. Water Treatment Plant
 - a. Coagulation/Flocculation
 - b. High-Rate Sedimentation
 - c. Media Filtration
 - d. UV and Chlorine Disinfection
 - e. Residuals
5. Main Pumping Station
 - a. Pumps
6. Sitework
 - a. Applicable Codes and Standards
 - b. Roadways
 - c. Site Drainage and Stormwater Management
 - d. Site Piping
7. Architectural Design Criteria
 - a. General
 - b. Applicable codes and standards
 - c. Operations Building
 - i. Architectural Study and Assessment
 - ii. Architectural Program
 - iii. Building Code Analysis
 - iv. Building Energy Code Analysis
 - v. Methods of Construction
 - d. Main Pumping Station
 - i. Building Code Analysis
 - ii. Architectural Program
 - iii. Building Energy Code Analysis

- iv. Methods of Construction
- 8. Structural Design Criteria
 - a. General
 - b. Codes and Standards
 - c. Specified Material Parameters
 - i. Concrete
 - ii. Concrete and Masonry Reinforcement
 - iii. Masonry
 - iv. Structural Steel
 - v. Aluminum
 - d. Loading Criteria
 - i. Dead Loads
 - ii. Live Loads (Floor and Roof)
 - iii. Snow Loads
 - iv. Wind Loads
 - v. Seismic Loads
 - vi. Soil, Backfill, and Groundwater
 - vii. Equipment and Piping Loads
 - viii. Impact Loads
 - ix. Bridge Crane and Monorail Loads
 - x. Load Combinations
 - e. Design Procedures and Assumptions
 - i. Reinforced Concrete Design
 - ii. Reinforced Masonry Design
 - iii. Structural Steel Design
 - iv. Aluminum Design
 - v. Geotechnical Design
 - vi. Flotation
 - vii. Impact and Vibration Design
 - viii. Bridge Crane and Monorail Runway Beam Design
 - ix. Non-Structural Component Design
 - x. Guardrail, Handrail, Ladder, and Stair Designs
 - f. Special Inspections
- 9. Building Mechanical Design Criteria
 - a. General
 - b. Applicable Codes and Standards
 - c. Location & Meteorological Design Criteria
 - d. Materials
 - e. Seismic
 - f. Building Design Requirements
 - g. Plumbing design
 - i. Storm Drainage Systems
 - ii. Sanitary Drainage Systems
 - iii. Water Piping Systems
 - iv. Plumbing Fixtures

- h. Heating, Ventilation, and Air Conditioning
 - i. Indoor Design Conditions
 - ii. HVAC General Requirements
 - iii. Heating Systems
 - iv. Ventilation Systems
- 10. Electrical Design Criteria
 - a. General Design Criteria
 - b. Codes and Standards
 - c. Power Distribution
 - i. Electrical Distribution System
 - ii. Distribution and Utilization Voltages
 - iii. Standby Power
 - d. Electrical equipment design criteria
 - i. Switchboards
 - ii. Motor Control Starters
 - iii. Motors and Adjustable Frequency Drives
 - iv. Power Transformers
 - v. Panelboards
 - vi. Receptacles
 - vii. Raceways and Cable
 - viii. Grounding and Lightning Protection
 - e. Lighting Requirements
 - f. Fire Alarm System
 - g. Telephone and Communication
 - h. Security System
 - i. Calculations and analysis requirements
 - i. Load Analysis
 - ii. Short Circuit Analysis and Coordination Study
 - iii. Arc Flash Analysis
- 11. Instrumentation Design Criteria
 - a. General
 - b. Applicable Codes and Standards
 - c. WTP and Main Pumping Station Control System
 - d. Instrumentation and Control Devices
 - e. Equipment Controls
 - f. Equipment Control Modes

Opinion of Probable Cost

Proposed Drawing List

**ENDAWS Task Order 3210 – Biota Water Treatment Plant and McClusky Main Pumping Station Preliminary Design
Garrison Diversion Conservancy District**

Sheet Title				
AREA DESCRIPTION	DISCIPLINE	DRAWING NAME	SCALE	# of Dwg
GENERAL	GENERAL	COVER SHEET		1
GENERAL	GENERAL	INDEX OF DRAWINGS		2
GENERAL	GENERAL	ABBREVIATIONS & LEGENDS		1
GENERAL	GENERAL	PROCESS FLOW DIAGRAM		3
GENERAL	GENERAL	HYDRAULIC PROFILE		1
SITE	CIVIL	OVERALL SITE PLAN		1
SITE	CIVIL	DEMOLITION		2
SITE	CIVIL	GRADING AND PAVING PLAN		4
SITE	CIVIL	SITE PIPING PLAN		4
SITE	CIVIL	SITE STRUCTURES - PLANS, SECTIONS		2
SITE	ELECTRICAL	OVERALL SITE PLAN		1
OPERATIONS BUILDING	ARCHITECTURAL	OVERALL OPERATING LEVEL FLOOR PLAN	1/32" = 1'-0"	1
OPERATIONS BUILDING	ARCHITECTURAL	OPERATING LEVEL FLOOR PLAN	1/16" = 1'-0"	1
OPERATIONS BUILDING	ARCHITECTURAL	OPERATING LEVEL FLOOR PLAN	1/16" = 1'-0"	1
OPERATIONS BUILDING	ARCHITECTURAL	OVERALL ROOF PLAN	1/32" = 1'-0"	1
OPERATIONS BUILDING	ARCHITECTURAL	BUILDING ELEVATIONS	1/16" = 1'-0"	1
OPERATIONS BUILDING	ARCHITECTURAL	BUILDING ELEVATIONS	1/16" = 1'-0"	1
OPERATIONS BUILDING	ARCHITECTURAL	PERSPECTIVES	No Scale	1
OPERATIONS BUILDING	STRUCTURAL	BASEMENT PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	STRUCTURAL	FIRST FLOOR PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	PROCESS MECHANICAL	BASEMENT FLOOR - 3D PERSPECTIVE		1
OPERATIONS BUILDING	PROCESS MECHANICAL	FIRST FLOOR - 3D PERSPECTIVE		1
OPERATIONS BUILDING	PROCESS MECHANICAL	BASEMENT PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	PROCESS MECHANICAL	FIRST FLOOR PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	PROCESS MECHANICAL	SECTIONS	1/4" = 1'-0"	4
OPERATIONS BUILDING	HVAC	BASEMENT PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	HVAC	FIRST FLOOR PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	PLUMBING	BASEMENT PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	PLUMBING	FIRST FLOOR PLAN	1/16" = 1'-0"	4
OPERATIONS BUILDING	ELECTRICAL	POWER DISTRIBUTION FUNCTIONAL DIAGRAM		2
OPERATIONS BUILDING	ELECTRICAL	MEDIUM VOLTAGE - ONE LINE DIAGRAMS		4
OPERATIONS BUILDING	INSTRUMENTATION	CONTROL SYSTEM BLOCK DIAGRAM		1
OPERATIONS BUILDING	INSTRUMENTATION	LEGENDS & ABBREVIATIONS		2
MCCLUSKY MAIN PUMPING STATION	ARCHITECTURAL	OPERATING LEVEL FLOOR PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	ARCHITECTURAL	ROOF PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	ARCHITECTURAL	BUILDING ELEVATIONS	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	ARCHITECTURAL	BUILDING ELEVATIONS	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	ARCHITECTURAL	PERSPECTIVES	No Scale	1
MCCLUSKY MAIN PUMPING STATION	STRUCTURAL	BASEMENT PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	STRUCTURAL	FIRST FLOOR PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	PROCESS MECHANICAL	3D PERSPECTIVE		1
MCCLUSKY MAIN PUMPING STATION	PROCESS MECHANICAL	BASEMENT PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	PROCESS MECHANICAL	FIRST FLOOR PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	PROCESS MECHANICAL	SECTIONS	1/4" = 1'-0"	2
MCCLUSKY MAIN PUMPING STATION	HVAC	BASEMENT PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	HVAC	FIRST FLOOR PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	PLUMBING	BASEMENT PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	PLUMBING	FIRST FLOOR PLAN	1/8" = 1'-0"	1
MCCLUSKY MAIN PUMPING STATION	ELECTRICAL	POWER DISTRIBUTION FUNCTIONAL DIAGRAM		1
MCCLUSKY MAIN PUMPING STATION	ELECTRICAL	MEDIUM VOLTAGE - ONE LINE DIAGRAMS		2
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	CONTROL SYSTEM BLOCK DIAGRAM		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - MCCLUSKY MAIN PUMPING STATION - SHEET 1 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - MCCLUSKY MAIN PUMPING STATION - SHEET 2 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - BIOTA WTP SEDIMENTATION - SHEET 1 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - BIOTA WTP SEDIMENTATION - SHEET 2 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - BIOTA WTP UV DISINFECTION - SHEET 1 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - BIOTA WTP UV DISINFECTION - SHEET 2 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - BIOTA WTP CHLORINE SYSTEM - SHEET 1 OF 2		1
MCCLUSKY MAIN PUMPING STATION	INSTRUMENTATION	P&ID - BIOTA WTP CHLORINE SYSTEM - SHEET 2 OF 2		1
TOTAL SHEET COUNT				104

ATTACHMENT B
ENGINEERING FEE WORKSHEETS

DRAFT

Price/Fee Summary							
Task	Description	Hours	Labor	Travel Expenses	Field/Misc Expenses	Subcontracts	Total Price/Fee
TOTALS:		9417.00	\$1,964,313.05	\$13,405.00	\$83,811.30	\$811,222.65	\$2,872,752.00
Task 1 Task 1 Project Management							
1/01	Project Management	240	\$71,003.92	\$1,105.00	\$2,136.00	\$23,265.90	\$97,510.82
1/02	Administration	160	\$19,972.40		\$1,424.00	\$9,261.00	\$30,657.40
1/03	Management of Subconsultants	160	\$42,879.52		\$1,424.00		\$44,303.52
Task 1 Subtotals		560	\$133,855.84	\$1,105.00	\$4,984.00	\$32,526.90	\$172,471.74
Task 2 Task 2 Special Project and Third-Party Meetings							
2/01	Special Project Meetings	40	\$10,141.09		\$356.00	\$2,935.80	\$13,432.89
2/02	Third-Party Meetings	200	\$55,943.10		\$1,780.00		\$57,723.10
2/03	Reclamation Meetings	80	\$22,377.24		\$712.00	\$16,760.10	\$39,849.34
Task 2 Subtotals		320	\$88,461.43		\$2,848.00	\$19,695.90	\$111,005.33
Task 3 Task 3 Land Acquisition Services							
3/01	Final Site Selection	36	\$9,929.14		\$320.40	\$3,652.95	\$13,902.49
3/02	Right of Entry Agreements	6	\$1,654.86		\$53.40	\$6,313.65	\$8,021.91
3/03	Landowner Contacts	6	\$1,654.86		\$53.40	\$25,200.00	\$26,908.26
3/04	Title Research	6	\$1,654.86		\$53.40	\$12,600.00	\$14,308.26
3/05	Land Appraisal	6	\$1,654.86		\$53.40	\$4,200.00	\$5,908.26
3/06	Survey and Platting	6	\$1,654.86		\$53.40	\$106,365.00	\$108,073.26
Task 3 Subtotals		66	\$18,203.42		\$587.40	\$158,331.60	\$177,122.42
Task 4 Task 4 Field Services							
4/01	Survey	6	\$1,654.86		\$53.40	\$43,838.55	\$45,546.81
4/02	Phase I Environmental Site Assessment	6	\$1,654.86		\$53.40	\$21,598.50	\$23,306.76
4/03	Wetland Delineation	6	\$1,654.86		\$53.40	\$17,951.05	\$19,659.31
4/04	Threatened & Endangered Species	6	\$1,654.86		\$53.40	\$9,345.00	\$11,053.26
4/05	Cultural Resources Inventory	6	\$1,654.86	\$1,105.00	\$53.40	\$23,419.20	\$26,232.46
4/06	Preliminary Geotechnical Field Investigation	102	\$25,964.12	\$3,940.00	\$907.80	\$218,048.25	\$248,860.17
4/07	Subsurface Utility Engineering	6	\$1,654.86	\$3,940.00	\$53.40	\$14,567.70	\$20,215.96
Task 4 Subtotals		138	\$35,893.26	\$8,985.00	\$1,228.20	\$348,668.25	\$394,774.71
Task 5 Task 5 Preliminary Design							
5/01	Design Team Conference Calls	495	\$127,176.30		\$4,405.50		\$131,581.80
5/02	Permitting				\$996.80		\$25,713.66
5/03	Utility Extension Plan	112	\$24,716.86		\$1,210.40		\$25,552.27
5/04	Transportation Access Plan	136	\$24,341.87		\$1,602.00	\$210,000.00	\$248,881.10
5/05	Hydraulic Analysis	180	\$37,279.10		\$5,482.40		\$126,588.51
5/06	BWTP Process Engineering	616	\$121,106.11		\$12,353.20		\$269,349.08
5/07	Biota WTP - Basis of Design Memorandum - Schematic Phase	1388	\$256,995.88		\$14,204.40		\$306,683.89
5/08	Biota WTP - Basis of Design Memorandum - Spatial Phase	1596	\$292,479.49		\$14,604.90		\$365,280.50
5/09	Biota WTP - Prepare Basis of Design Memorandum	1641	\$350,675.60		\$3,835.90		\$85,375.26
5/10	McClusky Main PS - Basis of Design Memorandum - Schematic Phase	431	\$81,539.36		\$4,058.40		\$93,115.33
5/11	McClusky Main PS - Basis of Design Memorandum - Spatial Phase	456	\$87,951.93	\$1,105.00	\$6,817.40		\$173,982.72
5/12	McClusky Main PS - Prepare Basis of Design Memorandum	766	\$166,060.32	\$1,105.00			
Task 5 Subtotals		7817	\$1,570,322.82	\$2,210.00	\$69,571.30	\$210,000.00	\$1,852,104.12
Task 6 Task 6 NDPDES Permitting Support							
6/01	Permitting Support	516	\$117,576.30	\$1,105.00	\$4,592.40	\$42,000.00	\$165,273.70
Task 6 Subtotals		516	\$117,576.30	\$1,105.00	\$4,592.40	\$42,000.00	\$165,273.70



**ENDAWS Task Order 4250 – Eastern North Dakota Alternate Water Supply
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a preliminary design task order in the amount of \$370,443 for preliminary design of two Hydraulic Break Tanks, as part of the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The Task Order advances the appraisal-level design completed under the Bureau of Reclamation’s ENDAWS Environmental Impact Statement and Record of Decision. Services will begin in February 2024 and finish by October 2025. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services: The estimated hourly fee and expenses for standard and customary preliminary design, surveying, and environmental services are as follows for a future construction project with an estimated cost of \$23 million:

	Fee	% of Const
1) Task Order Management and Administration	\$61,157	0.27%
2) Special Project and Third-Party Meetings	\$34,011	0.15%
3) Final Site Selection, Site Reconnaissance and Landowner Communication Support Services	\$19,355	0.08%
4) Coordination of Land Acquisition, Geotechnical Investigation, and Environmental/Cultural Surveys	\$8,917	0.04%
5) Preliminary Design Services	\$246,596	1.07%
Totals	\$370,443	1.61%

Special Services: There are no unique or specialized services required under this task order.

PROJECT OVERVIEW

A map showing the location of the project is included in the background information of the attached Task Order. This project will be located nearby the Biota Water Treatment Plant site near McClusky, North Dakota. Elements of this preliminary design Task Order are:

- Development of a Project Management Plan specific to the Work to keep the Task Order on schedule and on budget,
- Leading Special Project and Third-Party meetings to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input,
- Review the final site location for the Hydraulic Break Tanks, including development of a final site selection technical memorandum,
- Coordination between this task order and the Task Order 3210 – Biota Water Treatment Plant & Main Pumping Station Task Order, including
 - Property acquisition and preliminary geotechnical investigation support
 - Environmental/cultural/threatened and endangered species surveys and reports
 - Topographic site plans, and routing necessary utilities to the site
- Preliminary Design to complete permitting, a refinement of system hydraulics within the Hydraulic Break Tanks, utility coordination, a geotechnical investigation, and modeling such that the spatial location and size of the tanks and necessary utilities are fully defined, and



**ENDAWS Task Order 4250 – Eastern North Dakota Alternate Water Supply
Preliminary Design Services**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

- Development of an ENDAWS preliminary design report, associated preliminary design drawings, and preliminary Opinion of Probable Construction Cost as the key deliverables.



Black & Veatch Corporation

Professional Services for the Red River Valley Water Supply Project
Under General Agreement dated January 17, 2008

ENDAWS Task Order 4250 – Hydraulic Break Tank Preliminary Design

Effective Date – February 1, 2024

Content of this Task Order is as follows:

- I. PROJECT BACKGROUND..... 1
- II. TASK ORDER OBJECTIVES..... 2
- III. GENERAL REQUIREMENTS..... 8
- IV. BASIC SERVICES..... 8
- V. DELIVERABLES..... 12
- VI. ADDITIONAL SERVICES..... 13
- VII. SPECIAL RESPONSIBILITIES OF OWNER..... 13
- VIII. FEE..... 13
- IX. PERFORMANCE SCHEDULE 13
- X. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS 13
- XI. ACCEPTANCE..... 14

I. PROJECT BACKGROUND

1. The Red River Valley Water Supply Project (RRVWSP, the Project) will provide a supplemental water supply to eastern and central North Dakota (ND) in the event of drought conditions in the Red River watershed. The Project as envisioned by the Garrison Diversion Conservancy District (Garrison Diversion, the Owner) will also supply additional water to support industrial development as well as provide an environmental benefit to local rivers during drought conditions by augmenting natural stream flows. The source water will be withdrawn from the Missouri River or the McClusky Canal and conveyed to a new water plant. A multi-county pipeline will then convey flows from the plant to the Sheyenne River. Lake Ashtabula located downstream will provide storage for controlled releases to the Red River Valley. The current focus of the project is to construct the intake at the McClusky Canal and the completion of the pipeline from the McClusky Canal to the Sheyenne River.

2. Professional services for design of the Project will be accomplished through the execution of multiple task orders for design and associated activities as well as for engineering services during construction. This Task Order will be executed under two foundation documents:

- A. A Preliminary Design Report (PDR) prepared by Engineer and authorized by Owner under previously executed Task Order.
- B. The Eastern North Dakota Alternate Water Supply EIS.

II. TASK ORDER OBJECTIVES

1. The objective of this task order is to complete a preliminary design for the Hydraulic Break Tanks, which will be two approximately 5-million-gallon break tanks at the point where the pipeline transitions from pressure flow to gravity flow. **Figure 1** shows the approximate location and layout of the Hydraulic Break Tanks. **Figures 2A and 2B** show a conceptual layout drawing. Drawings 2A and 2B are based on the original Red River Valley Water Supply Project alignment and in the analysis completed as part of the Red River Valley Water Supply Project Preliminary Design Report which presumed a Missouri River intake.
2. The U.S. Department of the Interior, Bureau of Reclamation (Reclamation) completed the Eastern North Dakota Alternate Water Supply EIS which resulted in the Record of Decision being signed for the ENDAWS portion of this project. As such, Reclamation is a stakeholder for this project and coordination with them is presumed throughout the effort.
3. The Reclamation EIS allowed for the construction of the pipeline from the McClusky Canal to the Sheyenne River as shown on Figure 1. Because of this change, the Hydraulic Break Tanks will need to be relocated and the overall hydraulic analysis of the ENDAWS alignment will need to be finalized. This work will be done under another Task Order. The approximate size and function of the break tanks will remain as described in the Preliminary Design Report. However, the specific water operating levels will be updated. These hydraulic criteria will serve as inputs to the work completed under this task order.
4. Specific objectives for this Task Order are to:
 - A. Finalize a site location for the break tanks. A preliminary evaluation of sites was completed as part of the Reclamation EIS and under Task Order 5280. Available land will also in part determine the final location for the break tanks. It is expected that a 5 to 10 acre parcel will be required for the break tanks.
 - B. Support Garrison Diversion with the required survey and easements so it can complete land acquisition of the required property.
 - C. Complete a preliminary geotechnical investigation to support the preliminary design.
 - D. Complete environmental, cultural, threatened and endangered species, and raptor surveys of the property.
 - E. Develop topographic site plans from currently available LIDAR information.
 - F. Develop a plan for bringing required utilities to the selected property location.
 - G. Develop a Basis of Design Report and the approximate drawings shown in **Attachment A**.
 - H. Provide an updated Opinion of Probable Construction Cost (OPCC).

5. Items B, C, D and E listed above will be performed under the ENDAWS TO 3210 Biota WTP & Main Pumping Station Preliminary Design but will need to be coordinated with this task. Specifically,
 - A. Land acquisition assistance to Garrison Diversion through property appraisals, property boundary surveys, landowner contacts, offer/counteroffer(s), and landowner negotiations. Normal property acquisition activities are assumed.
 - B. A preliminary geotechnical investigation and reporting of the in-situ soil conditions for land-side borings and borings.
 - C. A detailed assessment of the land expected to be acquired for environmental and cultural features as well as the potential for contamination.
 - D. A site map showing topography that will form the basis for the site layout.

DRAFT

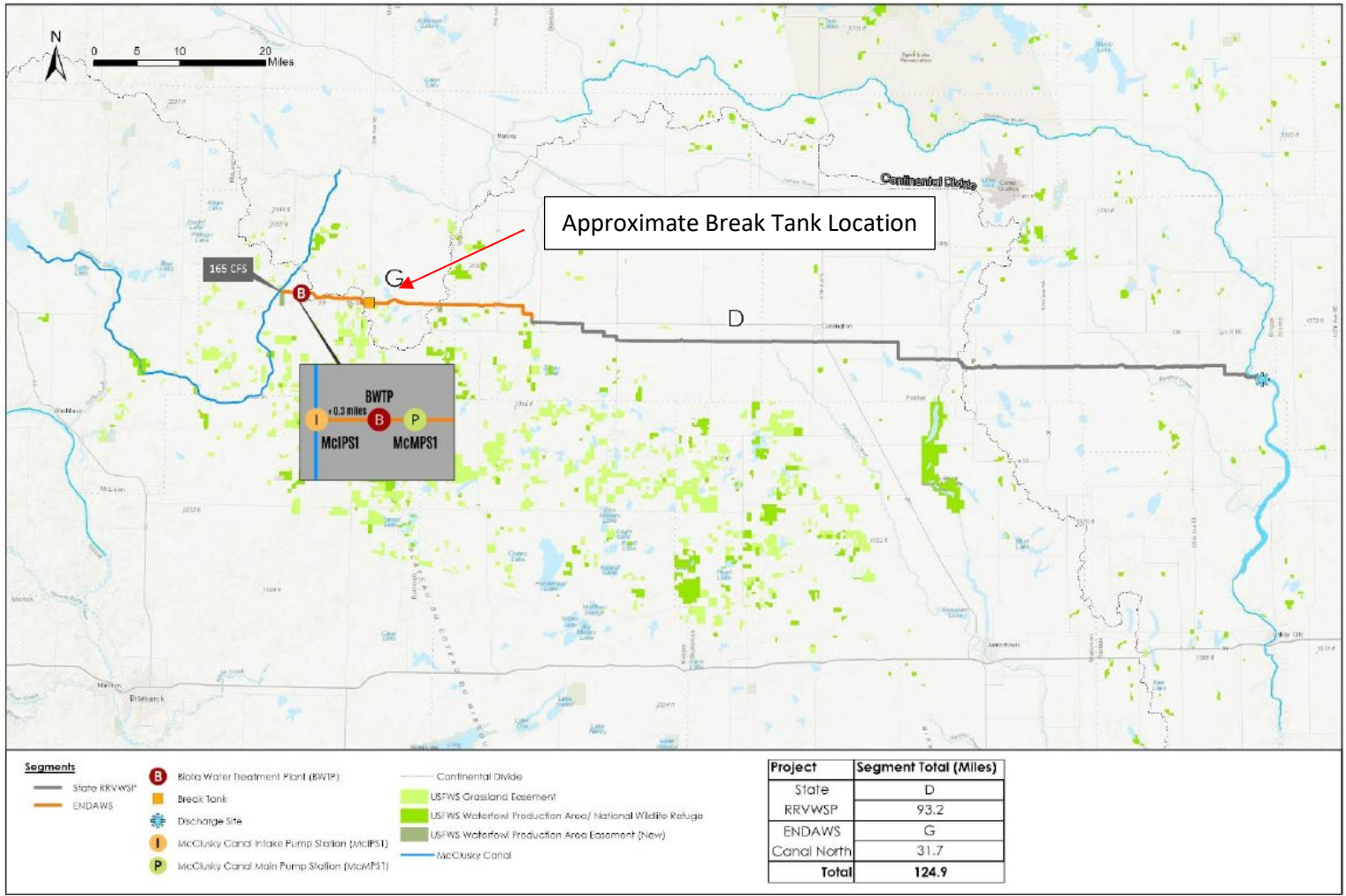


Figure 1 - Hydraulic Break Tank Location

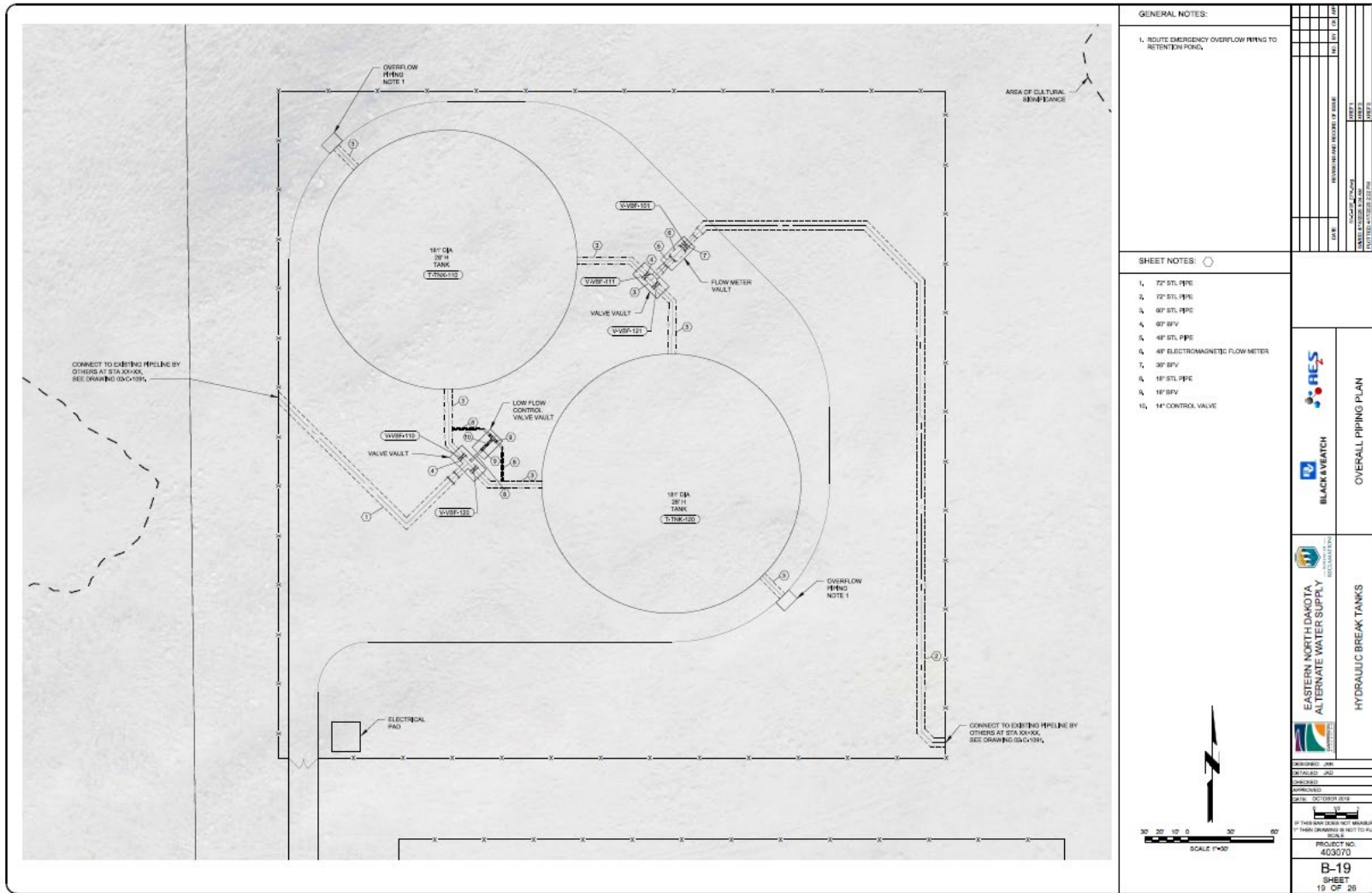


Figure 2A – Hydraulic Break Tank Site Layout

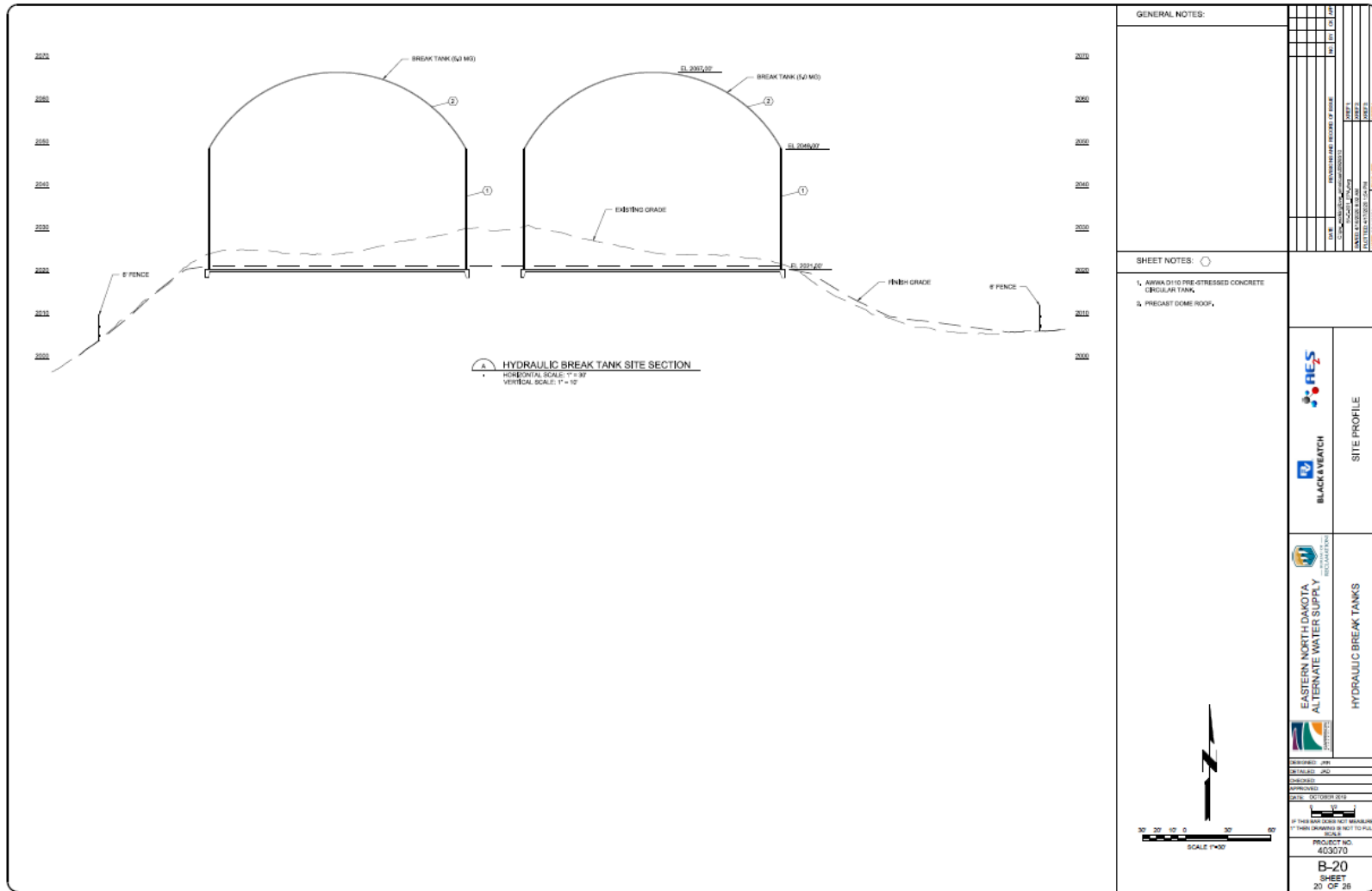


Figure 2B – Hydraulic Break Tank Cross Section

DRAFT

III. GENERAL REQUIREMENTS

1. Under this Task Order, Engineer will provide services in accordance with the Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 (Agreement).
2. General Description of Activities. The Basic Services to be performed by Engineer consist of professional design services associated with development of preliminary design for construction of hydraulic break tanks and associated site improvements and access road(s).
3. Work outside Basic and Special Services. Engineer agrees to provide the Basic Services and Special Services identified herein. Work not specifically discussed herein as part of Basic Services or Special Services is considered Additional Services. Additional Services will only be performed with proper separate authorization such as an amendment to this Task Order or a new separate Task Order.
4. Capital Cost Opinions. All opinions of probable construction cost developed will generally follow the recommendations of the Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 18R with regard to methodology and accuracy. The cost opinions' level of accuracy presented by Engineer for the various deliverables will be as noted in subsequent paragraphs of this Task Order under Basic Services.

IV. BASIC SERVICES

Basic Services of this Task Order are organized into major tasks as follows:

- Task 1 – Task Order Management and Administration
- Task 2 – Special Project and Third-Party Meetings
- Task 3 – Final Site Selection and Landowner Communication Support
- Task 4 – Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey
- Task 5 – Preliminary Design and OPCC

1. Task 1 – Task Order Management and Administration

This task includes overall management and development of a Project Management Plan specific to the Work. The overall objective of this task is to keep the Task Order on schedule and on budget.

- A. Project Management. Engineer will provide management services necessary for execution of the Task Order, including efforts required for proper resource allocation, schedule development and monitoring, budget review and control, Owner coordination, and other standard and customary activities required for timely completion of the Work. Owner coordination will occur through regular project meetings as described in Task 5A.

- B. Administration. Perform general administrative duties associated with the Task Order, including general correspondence, day-to-day contact and coordination, administration, and monthly invoicing in a form that is acceptable to the Owner.
- C. Management of Subconsultants. Engineer will monitor subcontractor progress, review and approve invoices, oversee adherence to the approved quality assurance/quality control (QA/QC) plan, monitor adherence to document preparation standards, and generally oversee Subconsultants' performance.

2. Task 2 – Special Project and Third-Party Meetings

The overall objective of this task is to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input. Engineer will prepare an agenda and provide meeting notes documenting discussions and action items. The following meetings are anticipated:

A. Special Project Meetings

- i. Task Order Initiation Meeting. Engineer will conduct a Task Order Initiation Meeting with the Owner and Subconsultants to review the overall approach to the Work, the schedule by which the work will be prosecuted, and other relevant coordination and management items necessary for a successful outcome. Another objective of this meeting will be to finalize the approach to right(s) of entry and to reach an agreement on an approach to obtaining the necessary right(s) of entry.

B. Third-Party Meetings

- i. Stakeholder Meetings. Engineer will attend and present Project information for one meeting with the Lake Agassiz Water Authority (LAWA) Technical Advisory Committee (TAC).
- ii. Design Coordination Meetings. Engineer will schedule and meet with the following agencies. Engineer will provide summary notes of meetings.
 - (a) Two meetings with the Reclamation in regard to final pump station location.
 - (b) Two meetings with the local electric utility regarding providing power service.
 - (c) Meetings with landowners, the Township and the County will be completed under Task Order 3210.

3. Task 3 – Final Site Selection, Site Reconnaissance and Landowner Communication Support

As shown in Figure 1, a general area for the Hydraulic Break Tanks has been selected. Specific parcels have not been identified. This task includes a site walk with Garrison Diversion and Reclamation to review the final site locations for the Hydraulic Break Tanks. The site walk will include an environmental professional to identify potential environmental (wetlands, critical habitat) cultural features or pollution liability features that may impact site acquisition. The site

walk will also include identification of potential utilities. A final site selection technical memorandum will be developed on conjunction with Reclamation to supplement the existing EIS.

4. Task 4 – Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey

As noted above, the actual land acquisition, geotechnical investigation, environmental/cultural reports and site survey will be completed under a separate task order. The purpose of Task 4 is to provide coordination between this task order and the task leader of the biota water treatment plant task order. The following products will be provided to this Task Order from work under the Biota Water Treatment Plant Task Order 3210:

- All property acquisition support. The intent of this task order is to finalize the site location, the required parcel size, and to initiate acquisition of the property. While this task order will be to finalize the site location and site, all acquisition work will be done under a separate task order.
- A geotechnical data report with preliminary recommendations for the hydraulic break tanks. It is expected that additional geotechnical borings will be completed during the final design. At a minimum, it is expected that two soil borings will be completed – one under each tank.
- Environmental/Cultural Reports. Final environmental (wetlands, threatened/engaged species, raptor surveys, etc.) and cultural reports will be provided to this Task Order documenting any environmental or cultural site constraints.
- Also, a Phase I Environmental Site Assessment Report will be provided to this Task Order. It is assumed there are no pollution liabilities that will need to be addressed on the site.
- Existing topography is available from previous LIDAR surveys. Additional state LIDAR data is available if needed. A CAD file with a site survey with 1-foot contours will be provided for this site.

5. Task 5 – Preliminary Design Phase

The purpose of Preliminary Design is to complete a refinement of system hydraulics within the Hydraulic Break Tanks, utility coordination, a geotechnical investigation, and modeling such that the spatial location and size of the tanks and necessary utilities are fully defined. Note that the hydraulic efforts described in this task order are relate to the sizing of the break tanks. The overall hydraulics of the system are being completed under Task Order 5340.

- A. Design Team Conference Calls. Engineer will schedule and lead conference calls with the Owner and its team. Calls will be scheduled, and content organized to coincide with other Task Orders for efficient utilization of staff time.
 - i. Owner Conference Calls (up to 20 calls assuming a 20-month preliminary design phase duration). Engineer will conduct bi-weekly conference calls with the Owner to review overall progress, exchange ideas and information, and coordinate activities.

- ii. Task Order Coordination Calls (up to 10 calls). Engineer will plan and take part in monthly coordination conference calls with tasks leaders of other Task Orders to share progress and conclusions such that efforts are well coordinated and not duplicated or unnecessary.
- B. Permitting. It is assumed that no permits will be required as this is a preliminary design task order. Any re-zoning that is required will be completed under the Biota Water Treatment Plant Task Order. It is expected that landowner permissions will be required for the geotechnical borings and for site access.
- C. Hydraulic Analysis
 - i. The overall system hydraulics are being finalized as part of another Task Order and will set the basis of design for the Break Tank Hydraulics. The hydraulics included under this Task Order are more specifically for assigning pipe flow and valves within Break Tank limits.
- D. Basis of Design Memorandum
 - i. Draft Basis of Design Memorandum (BDM). A draft BDM will be prepared for the design and construction of the Hydraulic Break Tanks. Engineer will review the Draft BDM for accuracy and completeness prior to submitting to the Owner for review and comment. The BDM will build upon the work of the previously prepared Preliminary Design Report and EIS.
 - ii. Review and Finalize BDM. Engineer will confer with Owner's staff to review the Draft BDM and obtain Owner's comments. Engineer will address Owner comments and develop a Final BDM. The Final BDM will be the document followed by the design team for the break tank design.
- E. Engineer will prepare Preliminary Deliverables. Preliminary drawing development will be completed in parallel with the draft BDM.
 - i. Document Development. The content of preliminary deliverables is as follows:
 - General drawings
 - Access road drawings
 - Site layout drawings
 - Hydraulic break tank drawings
 - Pipeline drawings
 - Outline of technical specifications
 - Internal quality control review and refinement
 - QA/QC plan and log update
 - Task Order schedule update

- ii. Preliminary Design Review. Attend a virtual meeting or conference call with the Owner to receive and discuss review comments. Document comments received in a log and distributed to stakeholders.
 - iii. Revise documents as necessary to reflect decisions taken at this level incorporating design modifications into subsequent deliverables.
- F. Preliminary Opinion of Probable Construction Cost (OPCC). Engineer will update the OPCC (aka Cost Opinion or Cost Estimate) at the preliminary design submittal after transmittal of the Level 1 deliverable. The cost opinion will be updated commensurate with an ACE Class 3 estimate. The expected accuracy will be -10 to -20 percent on the low end and the expected accuracy on the high end will be from +10 to +30 percent.

V. DELIVERABLES

The following deliverables will be furnished under this Task Order. Documents or deliverables not included in the list below will be provided as Additional Services as authorized by the Owner.

1. Task 1 – Project Management
 - A. Monthly invoices
 - B. Baseline Schedule
2. Task 2 – Special Project and Third-Party Meetings. Meeting agenda (included with MS Outlook meeting invitations) and minutes (electronic pdf files)
3. Task 3 - Final Site Selection, Site Reconnaissance and Landowner Communication Support
 - A. Final Site Selection Technical Memorandum.
4. Task 4 - Coordination of the Land Acquisition, Geotechnical Investigation, Environmental/Cultural Reports, and Site Survey
 - A. Land Acquisition Site Plan
 - B. Geotechnical Investigation Data Report
 - C. Site Environmental and Cultural Report
 - D. Site Topographic Map
 - E. Phase I ESA
2. Task 5 – Preliminary Design
 - A. Meeting/conference call agenda and minutes (electronic pdf files)
 - B. Modeling update technical memorandum (electronic pdf file)
 - C. Basis of Design Memorandum (draft and final electronic pdf files)
 - D. Preliminary Drawings (single hard copy and electronic pdf files)
 - E. Preliminary Design Owner review comments log (electronic pdf file)
 - F. Preliminary cost opinion

3. Special Services

- A. None.

VI. ADDITIONAL SERVICES

The professional services listed below are not included in the scope of this Task Order nor does the fee shown in Article IX include any labor and direct expenses for items identified as Additional Services. Should Owner want to include services listed under Additional Services in Engineer's scope, an amendment to this Task Order, or execution of a separate Task Order with the new scope, will be necessary.

1. The scope assumed that any permit fees will be paid by the Owner.

VII. SPECIAL RESPONSIBILITIES OF OWNER

1. Interim Deliverable Review Requirements. Owner commits to review periods for interim deliverables of no more than 30 calendar days after receipt of deliverables from Engineer. A review meeting will be scheduled and conducted by Engineer no more than 14 calendar days after receipt of Owner review comments, unless a mutually agreed upon date outside this schedule window is selected.
2. Land Acquisition Costs. Fees paid to all property owners necessary to purchase property, easements, or ROEs are the responsibility of the Owner.

VIII. FEE

The total fee for Basic Services provided under this Task Order is \$370,443.

A worksheet showing the fee estimate and level of effort by task is included in Attachment B.

IX. PERFORMANCE SCHEDULE

Basic and Special Services of this Task Order will be completed by October 2025.

X. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

1. Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 is incorporated by reference.
2. Attachment A – Proposed Outline for the Basis of Design Report and Preliminary Drawing List
3. Attachment B – Engineering Fee Worksheets

XI. ACCEPTANCE

If this satisfactorily sets forth your understanding of our Agreement, please print and sign this document. You should retain one copy for your files and return an electronic copy via email to Paul Boersma (BoersmaPM@BV.com) with Black & Veatch Corporation.

By: _____
Duane DeKrey, General Manager
Garrison Diversion Conservancy District

By: _____
Paul Boersma, Associate Vice President
Black & Veatch Corporation

Dated: _____

Dated: _____

DRAFT

ATTACHMENT A
PROPOSED OUTLINE FOR THE BASIS OF DESIGN REPORT
AND
PRELIMINARY DRAWING LIST

DRAFT

PROPOSED OUTLINE FOR THE BASIS OF DESIGN REPORT

1. General
 - a. Project Description
 - b. Background
 - c. Project Scope
 - d. Schedule
 - e. Site Description
 - i. Location
 - ii. Datum
2. Process Design Criteria
 - a. Hydraulics
3. Facility Requirements
 - a. Site Selection
 - b. Land Acquisition
 - c. Environmental/Cultural
4. Sitework
 - a. Applicable Codes and Standards
 - b. Roadways
 - c. Site Drainage and Stormwater Management
 - d. Site Piping
 - e. Site Structures
5. Geotechnical Design Criteria
 - a. Scope
 - b. Preliminary Geotechnical Data
 - c. Design Procedures and Assumptions
 - d. Geotechnical Investigation
6. Structural Design Criteria
 - a. General
 - b. Codes and Standards
 - c. Specified Material Parameters
 - d. Loading Criteria
 - e. Design Procedures and Assumptions
 - f. Special Inspections
7. Electrical Design Criteria
 - a. General Design Criteria
 - b. Codes and Standards
 - c. Power Distribution
 - d. Electrical equipment design criteria
 - e. Lighting Requirements
 - f. Fire Alarm System
 - g. Telephone and Communication
 - h. Security System
 - i. Calculations and analysis requirements
- Instrumentation Design Criteria
 - j. General

- k. Applicable Codes and Standards
 - l. Hydraulic Break Tanks Control System
 - m. P&ID Drawings
 - n. Instrumentation and Control Devices
 - o. Equipment Controls
 - p. Equipment Control Modes
 - q. Project Equipment and Instrumentation Control Concepts
- 8. Opinion of Probable Cost**

DRAFT

Proposed Drawing List
ENDAWS Task Order 4250 –
Hydraulic Break Tanks
Preliminary Design
Garrison Diversion
Conservancy District

AREA DESCRIPTION	DISCIPLINE	DRAWING NAME
GENERAL		COVER SHEET
GENERAL		GENERAL - INDEX OF DRAWINGS
SITE PLANNING		CIVIL - OVERALL SITE PLAN
SITE PLANNING		CIVIL - ENLARGED SITE PLAN
SITE PLANNING		CIVIL - GRADING AND PAVING PLAN
SITE PLANNING		CIVIL - OVERALL PIPING PLAN
SITE PLANNING		CIVIL - SITE PLAN SECTION
HYDRAULIC BREAK TANK		STRUCTURAL - FOUNDATION AND GROUND FLOOR PLANS
HYDRAULIC BREAK TANK		STRUCTURAL - SECTIONS AND DETAILS
HYDRAULIC BREAK TANK		ELECTRICAL - DEMOLITION ONE LINE DIAGRAM
HYDRAULIC BREAK TANK		P&ID - HYDRAULIC BREAK TANK
HYDRAULIC BREAK TANK		P&ID - CONTROL SYSTEM BLOCK DIAGRAM

ATTACHMENT B
ENGINEERING FEE WORKSHEETS

DRAFT

Price/Fee Summary							
Task	Description	Hours	Labor	Travel Expenses	Field/Misc Expenses	Subcontracts	Total Price/Fee
TOTALS:		1460.00	\$348,704.86	\$8,745.00	\$12,994.00	\$0.00	\$370,443.86
Task 1 Task Order Management and Administration							
1/01	Project Management	120	\$34,972.08	\$3,940.00	\$1,068.00		\$39,980.08
1/02	Administration	120	\$20,176.20		\$1,068.00		\$21,244.20
1/03	Management of Subconsultants						
Task 1 Subtotals		240	\$55,148.28	\$3,940.00	\$2,136.00		\$61,224.28
Task 2 Special Project and Third-Party Meetings							
2/01	Special Project Meetings	48	\$13,116.57	\$1,970.00	\$427.20		\$15,513.77
2/02	Third-Party Meetings	64	\$17,958.86		\$569.60		\$18,528.46
Task 2 Subtotals		112	\$31,075.42	\$1,970.00	\$996.80		\$34,042.22
Task 3 Land Acquisition Services							
3/01	Final Site Selection	60	\$16,002.38	\$2,835.00	\$534.00		\$19,371.38
Task 3 Subtotals		60	\$16,002.38	\$2,835.00	\$534.00		\$19,371.38
Task 4 Field Services							
4/01	Coordination Activities	32	\$8,641.12		\$284.80		\$8,925.92
Task 4 Subtotals		32	\$8,641.12		\$284.80		\$8,925.92
Task 5 Preliminary Design							
5/01	Design Team Conference Calls	264	\$69,027.06		\$2,349.60		\$71,376.66
5/02	Permitting						
5/03	Hydraulic Analysis	140	\$33,374.29		\$1,246.00		\$34,620.29
5/04	Basis of Design Memorandum	572	\$124,691.97		\$5,090.80		\$129,782.77
5/05	OPCC	40	\$10,744.34		\$356.00		\$11,100.34
Task 5 Subtotals		1016	\$237,837.66		\$9,042.40		\$246,880.06
Task 6 Subtotals							



RRVWSP Task Order 1520 – Operational Planning Phase 3

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

REQUEST

Consideration and approval of a task order in the amount of \$462,030 for ongoing analysis of the RRVWSP operations. The Phase 1 and Phase 2 Operations Task Orders made significant progress in evaluating how drought data will be collected, the Lake Audubon and McClusky Canal operating strategies, the governance of the RRVWSP, water accounting tools, and management protocols. The progress has been reported through technical memorandums and with ongoing meetings with the Operations Subcommittee. Ongoing meetings with USACE and the State have also been had.

The purpose of this task order is to continue to formalize these plans through discussions with the Users, Garrison Diversion, USACE and the State. Technical memorandums will be developed for Tasks 2 - 8 described below. The task order include scope and fee for the Wilson Water Group. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and the 20-month schedule.

TASK ORDER SUMMARY

The services to be provided by the engineering team are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services: The estimated hourly fee and expenses for standard and customary engineering evaluations:

	Fee
TASK ORDER	
Task 1 – Task Order Management and Administration	\$28,301
Task 2 – RRVWSP Planning, Review, and Direction	\$82,507
Task 3 – Technical Report	\$56,227
Task 4 – Operational Description and Assumptions	\$52,504
Task 5 – Project Governance	\$30,177
Task 6 – Water Supplies	\$52,983
Task 7 – Pipeline and Reservoir Operations (with WWG)	\$137,744
Task 8 – Water Accounting	\$21,357
Total	\$462,030

Special Services: There are no unique or specialized services required under this task order.



Black & Veatch Corporation

Professional Services for the Red River Valley Water Supply Project
Under General Agreement dated January 17, 2008

RRVWSP Task Order 1520 – Operational Planning, Phase 3

Effective Date – February 1, 2024

Content of this Task Order (TO) is as follows:

I.	PROJECT AND TASK ORDER BACKGROUND.....	1
II.	TASK ORDER OBJECTIVES.....	2
III.	GENERAL REQUIREMENTS.....	3
IV.	BASIC SERVICES.....	3
V.	SPECIAL SERVICES.....	9
VI.	DELIVERABLES.....	9
VII.	ADDITIONAL SERVICES.....	11
VIII.	SPECIAL RESPONSIBILITIES OF OWNER.....	11
IX.	FEE.....	11
X.	PERFORMANCE SCHEDULE.....	11
XI.	DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS.....	12
XII.	ACCEPTANCE.....	12

I. PROJECT AND TASK ORDER BACKGROUND

1. The Red River Valley Water Supply Project (RRVWSP, the Program) being undertaken by the State of North Dakota (ND) will provide a supplemental water supply to eastern and central ND in the event of drought conditions in the Red River watershed and for industrial development. The Program as envisioned by the Garrison Diversion Conservancy District (Garrison Diversion, the Owner) will withdraw water from the Missouri River and/or the McClusky Canal through the Eastern North Dakota Alternative Water Supply (ENDAWS) and convey it eastward through a multi-county pipeline to the Sheyenne River, a tributary of the Red River, for direct pipeline usage and flow augmentation.

2. A Draft Operational Plan was developed in 2009 and 2010 for the Federal RRVWSP under Task Order RR-4, in conjunction with preliminary engineering, easement acquisition, and land acquisition efforts for the federal project. The Draft Operational Plan in its entirety consisted of the plan itself, an executive summary to the plan, as well as several accompanying technical memoranda, including the following:
 - A. TM1 - Data Collection
 - B. TM2 - FEIS Operational Description

- C. TM 3 - Lake Audubon and McClusky Canal Freshening Strategy
 - D. TM 4 - Infrastructure Operational Strategies
 - E. TM 5 - Baldhill Dam Operational Strategies
 - F. TM 6 - Water Accounting
 - G. TM 7 - Management Protocol
3. The complexity and magnitude of the RRVWSP required a phased approach to operational and asset management planning. Phase 1 of operational and asset management planning focused on the development of frameworks to support the effective and efficient development of Operational and Asset Management Plans. During Phase 1, a review of the previous Federal Draft Operational Plan was conducted to identify the key features that should be included in the current Project. Project governance was discussed, and committee structures were established. Project Governance will consist of three committees: the Working Committee, the Management Committee, and the Steering Committee. Garrison Diversion and the Lake Agassiz Water Authority (LAWA) also determined that ENDAWS would be considered as an alternate water source. Additionally, the features and impacts of the 2021 drought were studied, such as flow rates, reservoir levels, water quality concerns, and water loss information, to learn more about significant drought and anticipate Project operations. A technical memorandum was drafted to document Phase 1.
 4. Phase 2 of operational planning focused on the development of Protocols for governance structure, drought monitoring, and water requests for Direct Pipeline Users (DPU) and Direct River Users (DRU). Source water stability and quality were evaluated, and water management strategies were developed for utilizing ENDAWS as a secondary water source. Initial water accounting tools were created and a predictive management system roadmap was established following the completion of in-depth analysis of monitoring triggers.
 5. Phase 3 operational planning will review project goals and assumptions to outline remaining Project phases. All necessary updates and changes to Project components and infrastructure will be incorporated following the finalization of User participation agreements. Draft operational agreements and protocols for engagement with regulatory stakeholders will be finalized for endorsement. Lake Audubon and McClusky Canal refreshing strategies will be revised, James River alternative usage options developed, and ENDAWS water management strategies updated. Support will be provided to the USACE for their WCM update and the 2020 NDG&F bathymetric survey will be reviewed and incorporated into all future Project operational planning. NDDWR responses to Lake Ashtabula operational questions will be reviewed along with the implications for water appropriations and documented accordingly. Finally, the Water Accounting Model will be updated based on the USACE WCM update outcomes and the 2020 NDG&F bathymetric survey.

II. TASK ORDER OBJECTIVES

1. There are five overall objectives of this Task Order.
 1. The first objective is to update Project Operations Description and Assumptions documenting all new Project components and Branch Pipeline options based on final User participation.
 2. The second objective is to update Project Governance by creating draft Operational Agreements and Protocols for endorsement by all regulatory stakeholders as part of Project Governance.
 3. The third objective is to draft an update to Project Water Supplies that incorporates updated source water refreshing and water management strategies for ENDAWS and identifies the James River alternative usage options.
 4. The fourth objective is to update Pipeline and Reservoir Operations by supporting the U.S. Army Corps of Engineers' (USACE) water control manual (WCM) update, incorporating the 2020 Lake Ashtabula bathymetric survey conducted by the North Dakota Game and Fish Department (NDG&F) into Project operations, and updating Lake Ashtabula operations and water appropriations implications (based on North Dakota Department of Water Resources (NDDWR) responses to Project operational assumptions, Bureau of Reclamation (Reclamation) guidance, and USACE seasonal drawdown strategies.
 5. The fifth objective is to update the preliminary Water Accounting Model to incorporate all water supply and User participation adjustments.
 6. Future task orders will include the scope for more detailed operations tools based on the final protocols and draft tools developed in this task order.

III. GENERAL REQUIREMENTS

1. Under this Task Order, Engineer will provide services in accordance with the Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 (Agreement).
2. General Description of Activities. The Basic Services to be performed by Engineer consist of professional services associated with the development of the Draft Operational Plan for the RRVWSP.
3. Work outside Basic and Special Services. Engineer agrees to provide the Basic Services and Special Services identified herein. Work not specifically discussed herein as part of Basic Services or Special Services is considered Additional Services. Additional Services will only be performed with proper separate authorization such as an amendment to this Task Order or a new separate Task Order.

4. **Explicit Responsibilities.** Basic Services and Special Services explicitly set forth the Work Engineer will perform and do not implicitly put any additional responsibilities or duties upon Engineer. Deliverables to be provided are explicitly identified in this Task Order.
5. **Explicitly Identified Quantities.** Engineer in development of this Task Order estimates the level of effort required to provide the services discussed. Where specific information is listed as to the quantity of service to be provided by Engineer, those quantities listed are considered Basic Services or Special Services and are, therefore, included in this Task Order scope of service and associated fee estimate. Services exceeding the written quantities shown below in Basic Services or Special Services are considered Additional Services.

IV. BASIC SERVICES

The Basic Services of this Task Order are provided below in the following tasks:

- Task 1 – Task Order Management and Administration
- Task 2 – RRVWSP Planning, Review, and Direction
- Task 3 – Technical Report
- Task 4 – Operational Description and Assumptions
- Task 5 – Project Governance
- Task 6 – Water Supplies
- Task 7 – Pipeline and Reservoir Operations
- Task 8 – Water Accounting

1. **Task 1 – Task Order Management and Administration**

The overall objective of this task is to set up the project and keep the Task Order on schedule for its estimated 17-month duration (January 01, 2024 – June 30, 2025).

Engineer will provide the following services to the Owner:

- A. Provide general project management and administration tasks including communications with the Owner, coordination, and supervision of the Engineer's project team, monitoring the project schedule, monitoring the project budget, and invoicing for 17 months.

2. **Task 2 – RRVWSP Planning, Review, and Direction**

Given the complexity of the RRVWSP, the Engineer's team will expand client and Project team knowledge by conducting a detailed review of Project objectives, goals, and assumptions. The team will then draw upon their expertise to provide a clear, organized and goal-oriented way forward for all Project tasks. Engineer will provide the following services to the Owner in support of this Task:

- A. Review past project operational plans, assumptions, and technical memoranda to ensure clear guidance and future direction for all new team members.
- B. Review/Update project direction for each task and define future operation phases.

- C. Develop Placemat showing history and future for Operational Planning action items.
 - D. Develop PowerPoint showing history and future for Operational Planning action items.
 - i. Review of Placemat and PowerPoint
 - ii. Incorporate edits/changes into placemat and PowerPoint
 - iii. Complete Placemat and PowerPoint drafts
 - iv. Facilitate virtual presentation of draft Placemat and PowerPoint to Owner
 - E. Present PowerPoint to LAWA Technical Advisory Committee (TAC) and Operational Planning Subcommittee.
 - F. Present PowerPoint to LAWA/Red River Valley (RRV) Committee.
 - G. Present PowerPoint to Garrison Diversion Board.
3. **Task 3 – Final Technical Report**
- The Final Technical Report is intended to summarize Phase 3 progress and detail how each task built upon, or revised, previous Project plans, assumptions, and objectives. Engineer will provide the following services to the Owner in support of this Task:
- A. Develop a Technical Report that summarizes Phase 3 work for Tasks 4-8.
 - i. Review draft Technical Report.
 - ii. Incorporate Owner’s comments into the final Technical Report.
 - iii. Facilitate a virtual progress meeting to review the final Technical Report with Owner.
 - B. Develop a draft PowerPoint of the Technical Report.
 - i. Review the draft PowerPoint with the Owner and finalize based on review.
 - C. Present PowerPoint to LAWA Technical Advisory Committee (TAC) and Operational Planning Subcommittee.
 - D. Present PowerPoint to LAWA/Red River Valley (RRV) Committee.
 - E. Present PowerPoint to Garrison Diversion Board.
4. **Task 4 – Operational Description and Assumptions**
- Task 4 will revise operational descriptions and assumptions based on anticipated changes to Project participation and infrastructure needs. Engineer will provide the following services to the Owner in support of this Task:

- A. Review and document all new Project components or changes to RRVWSP and ENDAWS infrastructure.
 - B. Incorporate branch pipeline infrastructure options based on finalized user participation agreements.
 - C. Incorporate updates into Operational Planning-Phase 3: Final Technical Report.
5. **Task 5 – Project Governance**
 Task 5 is intended to provide draft operational team agreements and protocols for endorsement by all regulatory stakeholders as part of Project Governance. Engineer will provide the following services to the Owner in support of this Task:
- A. Propose draft operational agreements and protocol with regulatory stakeholders (Bureau of Reclamation, NDDWR & USACE).
 - B. Incorporate updates into Operational Planning-Phase 3: Final Technical Report.
6. **Task 6 – Water Supplies**
 This task is intended to provide updates to Lake Audubon and McClusky canal refresh strategies, James River alternative usage options, and water management strategies for the ENDAWS as a secondary water source. Engineer will provide the following services to the Owner in support of this Task:
- A. Incorporate Lake Audubon and McClusky Canal refresh strategies.
 - B. Develop James River alternative usage options.
 - C. Incorporate water management strategies utilizing the ENDAWS as a secondary water source for RRVWSP.
 - D. Draft a Technical Memorandum to incorporate analysis and findings.
 - i. Develop a draft Technical Memorandum.
 - ii. Facilitate a virtual progress meeting to review the draft Technical Memorandum with Owner.
 - iii. Incorporate Owner’s comments into the final Technical Memorandum.
 - iv. Facilitate a virtual progress meeting to review the final Technical Memorandum with Owner.
7. **Task 7 – Pipeline and Reservoir Operations**
 The USACE is updating the Lake Ashtabula/Baldhill Dam WCM to incorporate necessary

changes, including Project operations. This update is projected to take two years and is set for completion in 2025. Additionally, a new Bathymetric survey of Lake Ashtabula was completed in 2020 by NDG&F. This task intends to actively support the WCM update process. Utilization strategies for Lake Ashtabula will be updated following receipt of the 2020 bathymetric survey results and Water Control Manual (WCM) update. Engineer will provide the following services to the Owner in support of this Task:

- A. Support to USACE on the WCM update for Lake Ashtabula with review and comment.
- B. Participate in quarterly meetings to discuss WCM updates.
- C. Review 2020 Lake Ashtabula bathymetric survey and update Project operations accordingly.
- D. Review and update water supply protocols based on NDDWR responses regarding Lake Ashtabula operations.
- E. Update Lake Ashtabula utilization strategies (Reclamation & USACE).
- F. Facilitate three, one-hour discussions on Lake Ashtabula drawdown strategies with Stakeholders.
- G. Draft Pipeline and Reservoir Operations Technical Memorandum
 - i. Review Draft Pipeline and Reservoir Operations Technical Memorandum.
 - ii. Facilitate virtual progress meeting to review draft Technical Memorandum with Owner.
 - iii. Incorporate edits/comments into final Technical Memorandum.
- H. Prepare and present a PowerPoint of findings in Task 6 and Task 7 to LAWA TAC and Operational Planning Subcommittee.

8. Task 8 – Water Accounting:

The Water Accounting Model developed in Phase 2 will be updated based on finalized User participation and using the 2020 USACE Bathymetric survey results. Engineer will provide the following services to the Owner in support of this Task:

- A. Incorporate Lake Ashtabula WCM and 2020 bathymetric survey updates.
- B. Adjust Accounting Model to incorporate new Users.
- C. Incorporate updates into Operational Planning-Phase 3: Final Technical Report.

V. SPECIAL SERVICES

There are no Special Services anticipated within this Task Order.

VI. DELIVERABLES

The following deliverables will be furnished under this Task Order. Documents or deliverables not included in the list below will be provided as Additional Services as authorized by the Owner. Unless noted otherwise, deliverables will be in the form of electronic pdf files.

1. **Task 1 – Task Order Management and Administration**
 - A. **Monthly invoices and project reports.**
2. Task 2 - RRVWSP Planning, Review, and Direction
 - A. Operational Planning Placemat
 - B. Operational Planning PowerPoint Presentation
 - C. Virtual Presentation to Owner
 - D. Present PowerPoint to LAWA TAC
 - E. Present PowerPoint to LAWA/RRV Committee
 - F. Present PowerPoint to Garrison Diversion Board
3. Task 3 – Technical Report
 - A. Two Progress Meetings
 - i. PowerPoint Presentation
 - ii. Meeting Agenda
 - iii. Meeting Notes
 - B. Technical Report documenting updates from Tasks 4-8
 - C. Technical Report PowerPoint
4. Task 4 – Operational Description and Assumptions
 - A. All updates incorporated into the Phase 3 Final Technical Report
5. Task 5 – Project Governance
 - A. All updates incorporated into the Phase 3 Final Technical Report
6. Task 6 – Water Supplies
 - A. Two Virtual Progress Meetings
 - i. PowerPoint Presentation
 - ii. Meeting Agenda
 - iii. Meeting Notes
 - B. A Technical Memorandum that documents Water Supplies of the RRVWSP
7. Task 7 – Reservoir Operations
 - A. One Virtual Progress Meeting

- i. PowerPoint Presentation
 - ii. Meeting Agenda
 - iii. Meeting Notes
 - B. Three Stakeholder Discussions
 - i. PowerPoint Presentation
 - ii. Discussion Agenda
 - iii. Discussion Notes
 - C. Quarterly (six) USACE WCM Update Meetings
 - i. PowerPoint Presentation
 - ii. Meeting Agenda
 - iii. Meeting Notes
 - D. A Technical Memorandum that documents updates to Pipeline and Reservoir Operations
 - E. A PowerPoint that document the findings in Task 6 and Task 7
8. Task 8 – Water Accounting
- A. All updates incorporated into the Phase 3 Final Technical Report

VII. ADDITIONAL SERVICES

1. The professional services listed below are not included in the scope of this Task Order nor does the fee shown in Article IX include any labor and direct expenses for items identified as Additional Services. Should Owner want to include services listed under Additional Services in Engineer's scope of work, an amendment to this Task Order or execution of a separate Task Order with the new work will be necessary. The following items are specifically excluded from Basic and Special Services:
 - A. All Drought Monitoring Dashboard Development is intended for Phase 4.
 - B. Support for NDPDES permit amendment to incorporate ENDAWS.
 - C. All Predictive Model Scenario Development is intended for Phase 4.
 - D. Water Accounting Model Testing is intended for Phase 4.
 - E. Meeting support for Project stakeholders beyond what is identified in this Task Order.
 - F. Asset Management nomenclature and hierarchy development are intended for Phase 4.

VIII. SPECIAL RESPONSIBILITIES OF OWNER

1. Interim Deliverable Review Requirements. The Owner commits to review periods for interim deliverables of no more than 30 calendar days after receipt of deliverables from Engineer.

- 2. Review comments will be provided by the Owner either electronically in the native Word file in Track Changes Mode or they will be summarized in an MS Excel worksheet or MS Word document.

IX. FEE

The total fee for Basic Services and Special Services provided under this Task Order is estimated to be \$462,030. A worksheet showing the fee estimate and level of effort by task is included in Attachment A.

X. PERFORMANCE SCHEDULE

Basic and Special Services of this Task Order will be completed by June 30, 2025.

XI. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

- 1. Standard Form of Agreement between Garrison Diversion and Engineer for Professional Services dated January 17, 2008 is incorporated by reference.
- 2. Attachment A- Fee Estimate Worksheets

XII. ACCEPTANCE

If this satisfactorily sets forth your understanding of our Task Order agreement, please print and sign this document. You should retain one copy for your files and return an electronic copy via email to Paul Boersma (BoersmaPM@BV.com) with Black & Veatch Corporation.

By: _____
 Duane DeKrey, General Manager
 Garrison Diversion Conservancy District

By: _____
 Paul Boersma, Associate Vice President
 Black & Veatch Corporation

Dated: _____

Dated: _____

Attachment A - Fee

DRAFT

Attachment C Fee Estimate and Level of Effort Worksheet Phase 3 (Nov 2023 - Jun 2025)															
Task	Description	LOE												Subtotal Cost	Total Cost
		Burian	285	Sesselman	225	Prelip	195	Seaver/Mowat	135	Stauss	195	Kelly	135		
1	Task Order Management and Administration	40	\$ 11,400	0	\$ -	40	\$ 7,800	0	\$ -	20	\$ 3,900	30	\$ 4,050	\$ 27,150	TRUE
A	General Project Management	40	\$ 11,400	0	\$ -	40	\$ 7,800	0	\$ -	20	\$ 3,900	30	\$ 4,050	\$ 27,150	
2	RRVWSP Planning, Review, and Direction	42	\$ 11,970	4	\$ 900	144	\$ 28,080	100	\$ 13,500	116	\$ 22,620	8	\$ 1,080	\$ 78,150	TRUE
A	Review of Past Project Operational Plans/Assumptions/Technical Memoranda	12	\$ 3,420	0	\$ -	40	\$ 7,800	16	\$ 2,160	40	\$ 7,800	0	\$ -	\$ 21,180	
B	Review/update project direction by task and for each future operational phases	8	\$ 2,280	0	\$ -	40	\$ 7,800	16	\$ 2,160	40	\$ 7,800	0	\$ -	\$ 20,040	
C	Develop Placemat showing history and future for Operational Planning action items	0	\$ -	0	\$ -	16	\$ 3,120	24	\$ 3,240	8	\$ 1,560	0	\$ -	\$ 7,920	
D	Develop PowerPoint showing history and future for Operational Planning action items	0	\$ -	0	\$ -	0	\$ -	24	\$ 3,240	8	\$ 1,560	0	\$ -	\$ 4,800	
E	Review of Placemat and PowerPoint	8	\$ 2,280	0	\$ -	20	\$ 3,900	0	\$ -	4	\$ 780	0	\$ -	\$ 6,960	
F	Incorporate edits/changes into placemat and PowerPoint	0	\$ -	0	\$ -	16	\$ 3,120	8	\$ 1,080	4	\$ 780	0	\$ -	\$ 4,980	
G	Finalize Placemat and PowerPoint	10	\$ 2,850	0	\$ -	8	\$ 1,560	8	\$ 1,080	8	\$ 1,560	0	\$ -	\$ 7,050	
H	Facilitate virtual presentation of draft Placemat and PowerPoint to Owner	1	\$ 285	1	\$ 225	1	\$ 195	1	\$ 135	1	\$ 195	8	\$ 1,080	\$ 2,115	
I	Present PowerPoint to LAWA TAC	1	\$ 285	1	\$ 225	1	\$ 195	1	\$ 135	1	\$ 195	0	\$ -	\$ 1,035	
J	Present PowerPoint to LAWA/RRV Committee	1	\$ 285	1	\$ 225	1	\$ 195	1	\$ 135	1	\$ 195	0	\$ -	\$ 1,035	
K	Present PowerPoint to Garrison Diversion Board	1	\$ 285	1	\$ 225	1	\$ 195	1	\$ 135	1	\$ 195	0	\$ -	\$ 1,035	
3	Technical Report	35	\$ 9,975	20	\$ 4,500	90	\$ 17,550	138	\$ 18,630	1	\$ 195	20	\$ 2,700	\$ 53,550	TRUE
A	Develop draft Technical Report summarizing work completed in Tasks 4-8	0	\$ -	0	\$ -	40	\$ 7,800	40	\$ 5,400	0	\$ -	0	\$ -	\$ 13,200	
B	Review Draft Technical Report	8	\$ 2,280	8	\$ 1,800	0	\$ -	0	\$ -	0	\$ -	0	\$ -	\$ 4,080	
C	Incorporate edits/comments into final Technical Report	0	\$ -	0	\$ -	16	\$ 3,120	40	\$ 5,400	0	\$ -	0	\$ -	\$ 8,520	
D	Facilitate virtual progress meeting to review final Technical Report with Owner	1	\$ 285	1	\$ 225	4	\$ 780	8	\$ 1,080	1	\$ 195	2	\$ 270	\$ 2,835	
E	Develop draft PowerPoint of Technical Report	0	\$ -	0	\$ -	20	\$ 3,900	40	\$ 5,400	0	\$ -	0	\$ -	\$ 9,300	
F	Review draft PowerPoint with Owner, revise, and finalize	8	\$ 2,280	4	\$ 900	0	\$ -	0	\$ -	0	\$ -	16	\$ 2,160	\$ 5,340	
G	Present PowerPoint to LAWA TAC	8	\$ 2,280	1	\$ 225	4	\$ 780	4	\$ 540	0	\$ -	2	\$ 270	\$ 4,095	
H	Present PowerPoint to LAWA/RRV Committee	4	\$ 1,140	4	\$ 900	4	\$ 780	4	\$ 540	0	\$ -	0	\$ -	\$ 3,360	
I	Present PowerPoint to Garrison Diversion Board	6	\$ 1,710	2	\$ 450	2	\$ 390	2	\$ 270	0	\$ -	0	\$ -	\$ 2,820	
4	Operational Description and Assumptions	48	\$ 13,680	4	\$ 900	60	\$ 11,700	176	\$ 23,760	0	\$ -	0	\$ -	\$ 50,040	TRUE
A	Document all new components or changes in RRVWSP and ENDAWS infrastructure	24	\$ 6,840	0	\$ -	24	\$ 4,680	60	\$ 8,100	0	\$ -	0	\$ -	\$ 19,620	
B	Incorporate Branch Pipeline Infrastructure options based on user participation changes	24	\$ 6,840	4	\$ 900	24	\$ 4,680	100	\$ 13,500	0	\$ -	0	\$ -	\$ 25,920	
C	Incorporate updates into Operational Planning-Phase 3: Final Technical Report	0	\$ -	0	\$ -	12	\$ 2,340	16	\$ 2,160	0	\$ -	0	\$ -	\$ 4,500	
5	Project Governance	40	\$ 11,400	0	\$ -	64	\$ 12,480	36	\$ 4,860	0	\$ -	0	\$ -	\$ 28,740	TRUE
A	Propose draft operational agreements and protocols for regulatory Stakeholder endorsement (Bureau of Reclamation, NDDWR & USACE)	40	\$ 11,400	0	\$ -	48	\$ 9,360	20	\$ 2,700	0	\$ -	0	\$ -	\$ 23,460	
B	Incorporate updates into Operational Planning-Phase 3: Final Technical Report	0	\$ -	0	\$ -	16	\$ 3,120	16	\$ 2,160	0	\$ -	0	\$ -	\$ 5,280	
6	Water Supplies	32	\$ 9,120	1	\$ 225	80	\$ 15,600	140	\$ 18,900	27	\$ 5,265	10	\$ 1,350	\$ 50,460	TRUE
A	Update Lake Audubon and McClusky Canal refresh strategies	8	\$ 2,280	0	\$ -	8	\$ 1,560	24	\$ 3,240	8	\$ 1,560	0	\$ -	\$ 8,640	
B	Develop James River alternative usage options	8	\$ 2,280	0	\$ -	8	\$ 1,560	24	\$ 3,240	8	\$ 1,560	0	\$ -	\$ 8,640	
C	Update water management strategies utilizing ENDAWS as secondary water source for RRVWSP	8	\$ 2,280	0	\$ -	16	\$ 3,120	16	\$ 2,160	8	\$ 1,560	0	\$ -	\$ 9,120	
D	Develop a draft Technical Memorandum	0	\$ -	0	\$ -	24	\$ 4,680	24	\$ 3,240	0	\$ -	0	\$ -	\$ 7,920	
E	Review of draft Technical Memorandum	6	\$ 1,710	0	\$ -	0	\$ -	0	\$ -	1	\$ 195	8	\$ 1,080	\$ 2,985	

F	Facilitate virtual progress meeting to review draft Technical Memorandum with Owner	1	\$ 285	0	\$ -	4	\$ 780	12	\$ 1,620	1	\$ 195	1	\$ 135	\$ 3,015	
G	Incorporate edits/comments into final Technical Memorandum	0	\$ -	0	\$ -	8	\$ 1,560	16	\$ 2,160	0	\$ -	0	\$ -	\$ 3,720	
H	Facilitate virtual presentation of final Technical Memorandum to Owner	1	\$ 285	1	\$ 225	12	\$ 2,340	24	\$ 3,240	1	\$ 195	1	\$ 135	\$ 6,420	
7	Pipeline and Reservoir Operations	60	\$ 17,100	11	\$ 2,475	202	\$ 39,390	186	\$ 25,110	33	\$ 6,435	5	\$ 675	\$ 91,185	FALSE
A	Support USACE Lake Ashtabula WCM Update: Review & Comment	16	\$ 4,560	0	\$ -	64	\$ 12,480	24	\$ 3,240	16	\$ 3,120	0	\$ -	\$ 23,400	
B	Quarterly Meetings to discuss WCM updates	8	\$ 2,280	0	\$ -	16	\$ 3,120	16	\$ 2,160	0	\$ -	0	\$ -	\$ 7,560	
C	Review 2020 Lake Ashtabula bathymetric survey and update Project operations accordingly	8	\$ 2,280	0	\$ -	16	\$ 3,120	20	\$ 2,700	0	\$ -	0	\$ -	\$ 8,100	
D	Review/Update Lake Ashtabula operations water appropriations implications (NDDWR Responses)	12	\$ 3,420	0	\$ -	24	\$ 4,680	16	\$ 2,160	0	\$ -	0	\$ -	\$ 10,260	
E	Update Lake Ashtabula utilization strategies (Reclamation & USACE)	4	\$ 1,140	0	\$ -	10	\$ 1,950	16	\$ 2,160	8	\$ 1,560	0	\$ -	\$ 6,810	
F	Facilitate three, one-hour discussions on Lake Ashtabula drawdown strategies with stakeholders	3	\$ 855	3	\$ 675	4	\$ 780	6	\$ 810	0	\$ -	3	\$ 405	\$ 3,525	
G	Develop draft Technical Memorandum	0	\$ -	0	\$ -	36	\$ 7,020	24	\$ 3,240	0	\$ -	0	\$ -	\$ 10,260	
H	Review draft Technical Memorandum	4	\$ 1,140	4	\$ 900	0	\$ -	16	\$ 2,160	8	\$ 1,560	0	\$ -	\$ 5,760	
I	Facilitate virtual progress meeting to review draft Technical Memorandum with Owner	1	\$ 285	1	\$ 225	8	\$ 1,560	8	\$ 1,080	0	\$ -	1	\$ 135	\$ 3,285	
J	Incorporate edits/comments into final Technical Memorandum	0	\$ -	2	\$ 450	16	\$ 3,120	16	\$ 2,160	0	\$ -	0	\$ -	\$ 5,730	
K	Prepare and present PowerPoint of findings in Task 6 and Task 7 to LAWA TAC and Operational Planning Subcommittee	4	\$ 1,140	1	\$ 225	8	\$ 1,560	24	\$ 3,240	1	\$ 195	1	\$ 135	\$ 6,495	
8	Water Accounting	8	\$ 2,280	0	\$ -	76	\$ 14,820	24	\$ 3,240	0	\$ -	0	\$ -	\$ 20,340	TRUE
A	Incorporate Lake Ashtabula WCM and 2020 bathymetric survey updates	0	\$ -	0	\$ -	24	\$ 4,680	8	\$ 1,080	0	\$ -	0	\$ -	\$ 5,760	
B	Adjust Model to incorporate new Users	8	\$ 2,280	0	\$ -	40	\$ 7,800	0	\$ -	0	\$ -	0	\$ -	\$ 10,080	
C	Incorporate updates into Operational Planning-Phase 3: Final Technical Report	0	\$ -	0	\$ -	12	\$ 2,340	16	\$ 2,160	0	\$ -	0	\$ -	\$ 4,500	
														Total Operational Planning	\$ 399,615
															Total With WWG - \$439,615
															Total With BV Markup - \$462,030

**RRVWSP Task Order 5340 – Transmission Pipeline East, Contract 4
 Final Design Services and Bidding Assistance**

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY
REQUEST

Consideration and approval of a final design and bidding assistance task order in the amount of \$7,183,000 for the Red River Valley Transmission Pipeline’s Contract 4 pipeline. The Task Order takes 30-percent plans and specifications to final documents for public bidding. The bulk of the services included in this Task Order will begin in February 2024 and finish by December 2025. Bidding assistance schedules may extend past that finish date as construction projects move forward to the bid phase funding dependent. These professional services are provided on an hourly basis; the fee is an estimate based on the scope and nature of the work and an approximate 24-month schedule.

TASK ORDER SUMMARY

The services to be provided by the engineering team (Black & Veatch, AE2S, Ulteig, Materials Testing Services, and Prairie Soil Consulting) are fully described in the attached Task Order. The following summarizes each of the major tasks.

Basic Services: The estimated hourly fee and expenses for standard and customary design services and bidding assistance are as follows, for a construction project with a capital cost expected to be north of \$200 million (72-inch pipe):

	Fee	% of Const
Task Order Management and Administration	\$571,725	0.29%
Special Project and Third-Party Meetings	\$297,108	0.15%
Landowner Communication and Easement Modifications	\$190,440	0.10%
Field Services	\$1,662,972	0.83%
Final Design Services (30-percent documents to final plans and specifications)	\$3,992,423	1.99%
Contract 4A Bid Assistance (advertisement, bidding, pre- and post-award services)	\$156,111	0.08%
Contract 4B Bid Assistance (advertisement, bidding, pre- and post-award services)	\$156,111	0.08%
Contract 4C Bid Assistance (advertisement, bidding, pre- and post-award services)	\$156,111	0.08%
Totals	\$7,183,000	3.60%

Special Services: There are no unique or specialized services required under this task order.

PROJECT OVERVIEW

A map showing the location of the project is included in the background information of the attached Task Order. Contract 4 begins four miles east of Hurdsfield, ND at 4th Street NE and 33rd Avenue NE and extends 27 miles east to 57th Avenue NE. Elements of the design project are:

- Surveying services for easement changes and topographic delineation as required
- Coordination and consultation with USACE on its reassessment of jurisdictional wetlands considering the recent SCOTUS ruling as it pertains to WOTUS
- Crossings and other permitting assistance
- Updating the hydraulic model for the hybrid ENDAWS/RRVWSP system, distributing demands along the pipeline, and documenting that effort in a system hydraulics report
- Expanded geotechnical and geo-hydraulic investigation with 75 borings, slug testing, laboratory testing of soil samples, and reporting
- Design of 27-miles of 72- to 84-inch pipe, with an impressed current corrosion protection system
- Up to twenty 96- to 108-inch dia trenchless crossings in total (19 wetland, 1 state highway); other crossings will be open cut; buried PVC raceway for future fiber optic cable (in tunnel casings only)
- Strict stripping, stockpiling, and replacement of topsoil/subsoil to facilitate easement restoration

RRVWSP Task Order 5340 – Transmission Pipeline East, Contract 4
Final Design Services and Bidding Assistance

Task Order Effective Date: February 1, 2024

TASK ORDER EXECUTIVE SUMMARY

RISK CONSIDERATIONS

Tunneling has a variety of uncertainties and risks beyond those of open-cut pipeline installation. To mitigate Garrison Diversion’s exposure to some of these risks, a two-part geotechnical investigation/report – a geotechnical data report and a geotechnical baseline report – are included as Contract Documents outlining the conditions the Contractor should expect when tunneling (i.e., the baseline). All contractors will be bidding the same baseline conditions with similar assumptions.

A high groundwater table and varying soil conditions of glacial geology pose certain risks during both open-cut and trenchless construction. To mitigate Garrison Diversion’s exposure to some of those risks, additional field work and geotechnical borings are included to better define soil and groundwater conditions along the 27-mile alignments. Prospective contractors will benefit from this more detailed information with less uncertainty and lower risk when they plan for project execution and ultimately design and install their dewatering systems.



Black & Veatch Corporation

Professional Services for the Red River Valley Water Supply Project
Under General Agreement dated January 17, 2008

**RRVWSP Task Order 5340 – Transmission Pipeline East, Contract 4
Final Design Services and Bidding Assistance**

Effective Date – February 1, 2024

Content of this Task Order is as follows:

I. PROJECT BACKGROUND.....	1
II. TASK ORDER OBJECTIVES.....	2
III. GENERAL REQUIREMENTS.....	4
IV. BASIC SERVICES.....	4
V. SPECIAL SERVICES.....	17
VI. DELIVERABLES.....	18
VII. ADDITIONAL SERVICES.....	19
VIII. SPECIAL RESPONSIBILITIES OF OWNER.....	20
IX. FEE.....	21
X. PERFORMANCE SCHEDULE.....	21
XI. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS.....	21
XII. ACCEPTANCE.....	21

I. PROJECT BACKGROUND

1. The Red River Valley Water Supply Project (RRVWSP, the Project) will provide a supplemental water supply to eastern and central North Dakota (ND) in the event of drought conditions in the Red River watershed. The Project as envisioned by the Garrison Diversion Conservancy District (Garrison Diversion, the Owner) will also supply additional water to support industrial development as well as provide an environmental benefit to local rivers during drought conditions by augmenting natural stream flows. The source water will be withdrawn from the McClusky Canal and conveyed to a new biota water treatment plant (biota WTP). A multi-county pipeline will then convey flows from the WTP roughly 125 east to the Sheyenne River. Lake Ashtabula located downstream will provide storage allowing for controlled releases to the Red River Valley when flow augmentation is needed.

2. Professional services for final design of the Project will be accomplished through the execution of multiple task orders for design and associated activities as well as for engineering services during construction. A Preliminary Design Report (PDR) prepared by Engineer and authorized by

Owner under previously executed Task Orders will be the foundation on which design Project elements will be based.

3. This Task Order is for final design of an approximate 27-mile pipeline segment called Contract 4. The outcome of this Task Order will be a 100-percent complete design organized into up to three bid packages ready for public advertisement and solicitation of bids from pipeline general contractors.
4. The award of a construction contract to Contractor(s) to build the Engineer-designed pipeline will depend on future project funding. If funding is not available to build the entire Contract 4 transmission main, it may be bid in separate and smaller packages. Trenchless crossings will be included with the respective open-cut portion(s) of the contract.

II. TASK ORDER OBJECTIVES

1. The alignment and limits of the pipeline being designed under this Task Order are shown in **Attachment A**. Contract 4 starts approximately 4 miles east of Hurdsfield at 33rd Avenue Northeast and terminates 27 miles east at the intersection of 57th Avenue Northeast and 1st Street Northeast. In addition to the 27 miles of new pipeline, Contract 4 includes an anticipated 20 trenchless crossings shown in Table 1 and on **Attachment A**. The final number of trenchless crossings is subject to change given a new Waters of the United States (WOTUS) rule is being promulgated by the U.S. Army Corp of Engineers (USACE) with respect to jurisdictional wetlands. New jurisdictional determinations will be sought from USACE with the objective of obtaining non-jurisdictional determinations in some instances rather than previous jurisdictional determinations thereby deleting associated tunnels and lessening capital costs. The planned trenchless crossing are as follows:

Approximate Starting Station ¹	Type of Crossing	Approximate Length (ft) ¹	Approximate Depth to Top of Casing (ft)
4740+00	JD Wetland and road	110	14
4911+00	JD wetland	240	16
4930+00	JD Wetland	670	18
4941+00	JD Wetland	120	14
5135+00	JD Wetland	170	15
5150+00	JD Wetland	340	17
5155+00	Paved Road (Hwy 52)	170	16
5173+00	JD Wetland	280	14
5204+00	JD Wetland	80	16
5253+00	JD wetland	130	14
5288+00	JD Wetland	70	14
5335+00	JD Wetland	150	14
5355+00	JD Wetland	330	14
5393+00	JD & FWS Wetland	290	13
5416+00	JD Wetland	210	14
5475+00	JD Wetland and road (49 th Ave NE)	210	14
5527+00	JD Wetland	120	14
5575+00	JD wetland	410	15
5728+00	JD Wetland	80	13

Approximate Starting Station ¹	Type of Crossing	Approximate Length (ft) ¹	Approximate Depth to Top of Casing (ft)
5860+00	JD Wetland	150	14
Totals			
<u>Notes:</u> 1. The starting stationing and length of tunnels will likely change as design is finalized. Data shown is approximate and based on the PDR. Any alignment change (horizontal and/or vertical) would affect locations and lengths of tunnels. 2. Design of additional tunnels not shown above will be Additional Services. Some tunnels may be eliminated based on the outcome of negotiations with county and township officials; or newly jurisdictional determination by the USACE.			

Table 1 – Locations and Length of Trenchless Crossings

2. Routing of the pipeline from the McClusky Canal to the Sheyenne River was developed during preliminary design of the RRVWSP and subsequent efforts associated with the Eastern North Dakota Alternate Water Supply (ENDAWS) project. The final design of Contract 4 will follow this route, but some minor changes to the route are anticipated as part of the final design process.
3. Preparation of easement agreements and associated exhibits along with easement negotiations and acquisition are included in other task orders (i.e., Task Orders 7310 and 7410, which are the applicable land services authorizations from previous biennia).
4. This Task Order includes the scope of geotechnical investigations required to support the final design. Where possible, soil borings conducted as part of the 2010 design efforts were incorporated in the geotechnical analysis where the borings were sufficiently close to the current pipeline alignment. Geotechnical reports will be prepared under this Task Order. These reports include a Geotechnical Report for the open-cut pipeline, including guidance for handling and discharging groundwater, and a Geotechnical Data Report (GDR) and a Geotechnical Baseline Report (GBR) for the trenchless crossings being designed hereunder. The GDR and GBR will be Contract Documents (CDs). The GDR will include facts gathered during the project investigation and will be prepared to summarize the subsurface information collected under this Task Order as well as summarize the information gathered under the 2010 geotechnical investigation. The GBR establishes a single-source document where contractual statements describing the geotechnical conditions anticipated to be encountered during construction can be found. The GBR will be prepared in this Task Order during the design document preparation since it depends on the design being significantly advanced. The GDR will be prepared by Engineer’s consultant, Materials Testing Services, LLC, of Minot, North Dakota, and the GBR will be prepared by Engineer.
5. A preliminary sheet list identifying the drawings to be produced under this task order is included as **Attachment B**.
6. A preliminary specification list, including front-end or Division 0 specifications, identifying specifications to be produced under this task order is included as **Attachment C**.
7. The pipeline will be an approximate 72-inch diameter steel pipeline primarily installed with cut-and-cover methods; however, final diameter of pipeline may change depending upon results of an updated hydraulic analysis considering flow variations and specific demand allocations.

III. GENERAL REQUIREMENTS

1. Under this Task Order, Engineer will provide services in accordance with the Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008 (Agreement).
2. General Description of Activities. The Basic Services to be performed by Engineer consist of professional design services associated with development of CDs for installation of a multi-county water supply pipeline in east central ND.
3. Construction Procurement. CDs developed by Engineer will be of sufficient detail for the Owner to obtain bids through a conventional bidding process (design-bid-build). CDs will be prepared assuming no more than three construction packages – Contracts 4A, 4B, and 4C – with length of each segment dependent upon funding and contractor’s ability to complete the work within the desired number of construction seasons.
4. Work outside Basic and Special Services. Engineer agrees to provide the Basic Services and Special Services identified herein. Work not specifically discussed herein as part of Basic Services or Special Services is considered Additional Services. Additional Services will only be performed with proper separate authorization such as an amendment to this Task Order or a new separate Task Order.
5. Explicitly Identified Quantities. Engineer in development of this Task Order estimates the level of effort required to provide the services discussed. Where specific information is listed as to the quantity of service to be provided by Engineer, those quantities listed are considered Basic Services or Special Services and are, therefore, included in this Task Order scope of service and associated fee estimate. Services exceeding the written quantities shown below in Basic Services or Special Services are considered Additional Services.
6. Capital Cost Opinions. All opinions of probable construction cost developed will generally follow the recommendations of the Association for the Advancement of Cost Engineering (AACE) International Recommended Practice No. 18R with regard to methodology and accuracy. The cost opinions’ level of accuracy presented by Engineer for the various deliverables will be as noted in subsequent paragraphs of this Task Order.
7. Document Production Standards and Procedures. Engineer will prepare CDs using the 50-division, three-part Construction Specifications Institute (CSI) format for technical specifications; Engineer’s drawing standards; and Engineer’s design procedures and criteria, AutoCAD drafting standards, and standard construction details.

IV. BASIC SERVICES

Basic Services of this Task Order are organized into major tasks as follows:

- Task 1 – Task Order Management and Administration
- Task 2 – Special Project and Third-Party Meetings
- Task 3 – Landowner Communication and Easement Modifications

- Task 4 – Field Services
- Task 5 – Final Design Services
- Task 6 – Bidding Assistance

1. **Task 1 – Task Order Management and Administration**

This task includes overall management and development of a Project Management Plan specific to the Work. The overall objective of this task is to keep the Task Order on schedule and on budget.

- A. **Project Management.** Engineer will provide management services necessary for execution of the Task Order, including efforts required for proper resource allocation, schedule development and monitoring, budget review and control, Owner coordination, and other standard and customary activities required for timely completion of the Work.
- B. **Administration.** Perform general administrative duties associated with the Task Order, including general correspondence, day-to-day contact and coordination, administration, and monthly invoicing in a form that is acceptable to the Owner.
- C. **Progress Reports.** Prepare for the Owner progress reports that identify the Work that has been performed, work activities anticipated, and action items required of the Owner. Identify variances or potential variances from the Task Order's Basic and Special Services. The reports will be in the Engineer's standard format unless the Owner requires otherwise.
- D. **Schedule Updates.** Engineer will prepare a baseline Gantt chart schedule. The schedule will be updated comparing actual progress by task/subtask to the baseline schedule.
- E. **Management of Subconsultants.** Engineer will monitor subcontractor progress, review and approve invoices, oversee adherence to the approved quality assurance/quality control (QA/QC) plan, monitor adherence to document preparation standards, and generally oversee subconsultants' performance.

2. **Task 2 – Special Project and Third-Party Meetings**

The overall objective of this task is to keep stakeholders apprised of Task Order status and to provide a forum for stakeholder input. Engineer will prepare an agenda and provide meeting notes as appropriate documenting discussions and action items. The following meetings are anticipated:

- A. **Special Project Meetings**
 - i. **Task Order Initiation Meeting.** Engineer will conduct a Task Order Initiation Meeting with the Owner and subconsultants to review the overall approach for final design and bidding assistance. Another objective of this meeting will be to finalize the approach to gaining entry to landowner parcels for investigatory purposes, which are going through eminent domain proceedings. Additionally, coordinate with Owner regarding landowner notifications for parcels with signed easements. Landowner notifications will be for the purpose of obtaining either survey, geotechnical, or other design data.

- ii. Post Field Investigation Alignment Update and Virtual Workshop. A virtual workshop will be held with the Owner after supplemental field work has been completed and after initial discussions have been undertaken with local officials and landowners. The impact of field findings and/or negotiations with landowners on the pipeline alignment and appurtenance locations will be discussed. The outcome of the meeting will be to identify any potential alignment changes to the previously completed 30-percent design. An updated set of alignment drawings will be prepared before the meeting and finalized during the workshop.

B. Third-Party Meetings

- i. Stakeholder Meetings. Engineer will attend and present Project information for meetings with the LAWA Technical Advisory Committee (TAC). One meeting is expected to present the final design.
- ii. Design Meetings for Utility Coordination. Engineer will schedule and meet with ND Department of Transportation (NDDOT) area office and/or the local county, railroads, and utilities that own parallel easements or easements that the pipeline will cross. Engineer will provide summary notes of meetings. The following utility coordination meetings are anticipated.
 - (a) One meeting with NDDOT
 - (b) One meeting each will be held with the county commission or designated representative(s) of Wells County.
 - (c) One meeting for each impacted township with the elected officials if desired by that township.
 - (d) One meeting will be held with each of the electric/communications utilities impacted. This scope item assumes there will be three electric/communications crossings.
 - (e) One meeting will be held each of the pipeline companies impacted. There are expected to be:
 - (i) Rural Water Providers
 - (ii) One other Utility

3. Task 3 – Landowner Communication and Easement Modifications

- A. Landowner Notifications. This segment of pipeline covers 56 separate tracts with 36 individual property owners. 36 tracts with 19 individual landowners do not have an easement. Engineer will support Garrison Diversion’s communications with individual landowners for the purposes of gaining access for the soil borings by developing geographic information system (GIS) graphics and other supporting documentation.

- B. Landowner Coordination. Provide engineering team support to Owner to meet with landowners as required for the purposes of establishing the final pipeline alignment and for establishing fixed locations of appurtenances for incorporation into the CDs developed during the final design phase.
- C. Modifications to Signed Easements. Easements have been, or will be, obtained under a separate land services Task Order. The purpose of this subtask to account for revisions to these executed easements due to rerouting of the pipeline for design or other reasons. Engineer will:
 - i. Revised Certificates of Survey. Prepare revised Certificates of Survey to include:
 - (a) Legal description of the new easement,
 - (b) Bearings and distances of the new easement tied to the Public Land Survey System (PLSS), and
 - (c) Resigning and resealing revised Certificates of Survey by a licensed surveyor.
 - ii. Revised Easement Documentation. Provide revised easement document for Garrison Diversion to file in respective County Recorder's office in compliance with North Dakota Century Code.
 - iii. GIS Updates. Provide GIS updates to the GDCD data for the revised easements.

This scope of work assumes a total of up to six revised Certificates of Survey for this segment.

4. Task 4 – Field Services

- A. Soil Borings. A geotechnical investigation will be completed by Engineer's consultant will consist of approximately 75 soil borings at an average depth of 34 feet. The soil borings will support the final design of the open-cut and tunneled portions of Contract 4. In addition, various soil resistivity and corrosivity tests will be completed to support the design. **Attachment D** presents a table showing the proposed soil borings, soil boring depths, and the tests associated with each boring. Ground surveys will be completed to locate the boring and to confirm that actual location of drilling so that they can accurately be placed on drawings and documented in geotechnical reports.
- B. Limited Topographic Surveying. Where necessary to reduce change order risk by more precisely locating utilities crossing or paralleling the proposed pipeline alignment, provide limited field surveys to establish horizontal coordinates and vertical elevations of utilities and other topographic features impacting pipeline design. For the purpose of fee development, this task assumes four surveys.
- C. Stray Current Field Investigations. Where necessary to mitigate DC stray currents from foreign systems or induced AC voltages at proposed high-voltage power lines crossings, provide field investigations to support detailed modeling of soil and crossing

appurtenances. Model will be used to simulate induced alternating current (AC) potentials and current densities in support of the final design of the Project's pipeline corrosion protection system. Develop and submit a report documenting the findings and conclusions of the field investigation and simulations. For the purpose of fee development, this task assumes one stray current analysis will be completed.

- D. Alignment Site Visits. The design engineers will visit the 27-mile alignment before beginning work on the 60-percent deliverable. The purpose of the site visit is to verify and document existing facilities along the alignment, evaluate potential constructability issues, and document potential construction access locations along the alignment. This task will be done current with the Post Field Investigation Alignment Workshop discussed above.
- E. Jurisdictional Wetlands Review and Consultation. Jurisdictional determinations were completed by USACE for previously delineated wetlands along the RRVWSP transmission main alignment. As part of this task order, Consultant will work with the USACE to gain reauthorization of the previously completed Jurisdictional determinations. Reauthorization will consist of coordination with the USACE on previously prepared documents. This work will be completed on time and materials basis at a cost of up to \$75,000. Level of effort that exceeds this amount will be completed as Additional Services.

5. Task 5 – Final Design Services

The purpose of final design is to develop CDs by which the Owner will select Contractor(s) to build the desired facilities. Engineer will provide final design services and CDs for the recommended pipeline alignment shown in **Attachment A**. The CDs will be prepared for the purposes of obtaining competitive bids, selection of the lowest and best bid, and construction of the Work. Intermediate deliverables will be prepared and submitted to the Owner upon development of the 60-, 90-, and 100-percent design completion stages. Final CDs will be prepared for bidding purposes.

- A. Design Team Conference Calls. Engineer will schedule and lead conference calls with the Owner to review overall progress, exchange ideas and information, and coordinate activities with other task orders. Calls will be scheduled, and content organized, to coincide with other Task Orders for efficient utilization of staff time. Assuming an 18-month schedule, up to 12 calls will be held with the Owner.
- B. Design Guidance Manual Minor Update. A Design Guidance Manual was previously developed under Task Order 5330; it will be used to guide this design. It will be updated to capture changes to the design approach made by the Owner and its engineering team and re-issued.
- C. Geotechnical Baseline Report. Engineer will develop a GBR for the trenchless crossings of this pipeline segment. A draft report will be furnished for review and comment. Upon disposition of Owner comments concerning the draft report, a final report will be furnished. The GBR will be a CD.

- D. Geotechnical Design Memorandum/Geotechnical Data Report. Engineer will develop a memorandum for internal use by Engineer that contains design requirements and geotechnical recommendations for open-cut design and the geotechnical data for the trenchless crossings. The geotechnical design memorandum will not be made available to bidders. A Geotechnical Data Report (GDR) developed by Engineer's geotechnical consultant will be developed for the trenchless crossings of this segment. The GDR will be furnished to bidders, and it will be considered a CD. Engineer will prepare a separate GDR encompassing the information of its Consultant's GDR and information obtained from previous geotechnical investigations completed by Engineer and Owner along the alignment going back as far as 2010
- E. Soils Classifications and Quantities. Engineer using a ND-licensed professional soil classifier will characterize topsoil and subsoil along the alignment. The professional soil classifier will review applicable excavation and trenching, easement restoration, and vegetative technical specifications providing comments to Engineer to incorporate into the CDs. Soil layer thickness will be estimated from ND soil surveys and augmented by Consultant with limited field investigations. Thicknesses will be used to compute stripping and stockpiling Bid Form quantities. Provide a technical memorandum documenting the soil classification work completed and the findings of that effort.
- F. Utility Coordination. Engineer will perform utility coordination services, including identifying utility conflicts and facilitating the resolution of utility conflicts. It is expected that the pipeline will be below existing utilities so that the Utility Coordination will consist of identification and coordination but not relocation. Engineer will perform the following activities:
- i. Provide initial notification letters for Owner to send to affected utility companies, owners, and other concerned parties, as applicable.
 - ii. Engineer will develop a utility contact list with information such as: (a) owner's name; (b) contact person; (c) telephone numbers; (d) emergency contact number; (e) e-mail addresses; and (f) other pertinent information concerning affected utilities and facilities.
 - iii. Advise utility companies and owners of the general characteristics of the Work and provide an illustration of the Project footprint for delineation of the utilities/facilities that are located in the Project area.
 - iv. Maintain a utility layout in AutoCAD. This layout will include existing utilities that are to remain in place or be abandoned and adjusted/relocated utilities.
 - v. Review utilities adjustment proposals in the event that the pipeline cannot be installed under the existing utilities.

G. Subsurface Utility Engineering

- i. Provide subsurface utility engineering (SUE), utility designating, and locating surveys along the proposed pipeline alignment in areas where utility marking services are available. The subsurface utility surveys will be a combination of Utility Quality Level A, B, and C, depending on the specific utility, as defined in CI/ASCE 38. Vertical elevations of sewers and drains, as applicable, will be taken at manholes and inlets.
- ii. Up to five vacuum excavations or potholes no deeper than 10 feet will be excavated at proposed utility crossings and other locations to better define locations of utilities or other potential conflicts where field-discovered conflicts will adversely impact pipeline installation. Potholes/vacuum excavations will mostly be needed in the event of open cutting across roads instead of tunneling. The cost of the potholes/vacuum excavations will be paid to the utility locating contractor directly by the Owner.

H. Utility Relocations Coordination. Few conflicts between the pipeline and water and sewer lines, as well as minor drainage structures and irrigation facilities, are anticipated due to the depth of the pipeline. The scope assumes that the utility owners will design relocations and will then be paid by directly by the Owner. Relocations will be scheduled for completion in advance of pipeline excavation and installation.

- i. If relocation designs are prepared by the utility owners, they will be coordinated with the RRWSP and reviewed by Engineer for compatibility with the work proposed.
- ii. If drain tiles need to be relocated or field modified as part of pipeline construction, engineering services will be addressed as Additional Services.

I. Permitting. This subtask encompasses applicable governmental approvals, including NDDOT, counties, townships, railroad (BNSF – property, no existing tracks), and utility permits and approvals necessary to construct the pipeline. The Task Order assumes that the pipeline will be constructed under a Nationwide No. 12 Permit using the non-notification approach. Thus, the pipeline will comply with overall federal permit requirements, but an actual federal permit will not be required.

- i. Engineer will obtain in conjunction with the Owner necessary approvals from the appropriate utilities, city, county and state agencies having jurisdiction over the Work.
- ii. Engineer will prepare a permitting schedule identifying action items, decision points, milestones, reviews, and approvals required to complete permitting. Engineer will communicate status of permits to Owner.
- iii. Contractor-Provided Permits. Engineer will provide in the CDs a list of the permits that must be obtained by the Contractor. Based upon preliminary design, it is understood that the following permits, at a minimum, will be the responsibility of the Contractor:
 - Erosion and sediment control; land disturbance; stormwater permits
 - Dewatering operations discharge

iv. Owner-Provided Permits

(a) Engineer will provide assistance to the Owner in obtaining the following permits from government agencies, utilities, pipeline companies, and other entities as noted below:

- NDDOT highway crossing (HWY 200)
- BNSF property crossing
- County road closing/detours
- Local electric and telecommunications crossings. Scope assumes up to three separate utilities.
- County road crossings
- Township road crossings

(b) Assistance provided by Engineer for the above listed permits will include:

- (i) Preparation of applications, exhibits, drawings, and specifications ready for the Owner's execution and transmittal.
- (ii) Furnishing additional information about the Project's design, as required by the permitting authority.

J. Pipeline Corrosion Protection System Services. RRWSP, Technical Memorandum No. 12, Task Order 5 – Pipeline Preliminary Design dated February 12, 2010, summarized field data collected from geotechnical investigations conducted during pipeline preliminary design. Evaluation of soil corrosivity and corrosion risks posed to the pipeline from buried pipelines crossing the proposed alignment and overhead high voltage power lines crossing or paralleling the pipeline proposed alignment were completed. The memorandum recommended a multi-pronged approach to pipeline corrosion protection, including pipe coatings and an impressed-current corrosion protection system.

- i. Supplemental soil resistivity data will be collected in conjunction with geotechnical investigation described above. Additional soil resistivity data will be gathered at reduced intervals to support the detailed design of the pipeline corrosion protection system. Deep soil resistivity data will be collected at proposed deep well anode system locations.
- ii. Stray current field investigations for the Project element will be completed as indicated in the Field Services article of this Task Order. Prepare report as indicated in the Field Services article of this Task Order documenting field investigations and simulations at the crossing. A mitigation design will be developed and incorporated into the corrosion protection system drawings based on the simulations.
- iii. Engineer will formulate an approach and develop in detail the Project's corrosion protection system in accordance with the Corrosion Protection Design Guide (CPDG) prepared under Task Order 5310. The corrosion protection system will be based on an impressed current design. Engineer will also develop drawings and specifications for

the corrosion protection system incorporating them into the Project's CDs for the element covered by this Task Order. Drawings and specifications will be developed for 60-, 90, and 100-percent design deliverables. The 60-percent deliverable consists of design of the essential components of the corrosion protection system and identification of field investigation locations indicated in the Field Services article of this Task Order. Stray current mitigation design and impacts of detailed pipeline design will be incorporated into the 90-percent deliverable. Final client comments will be incorporated into the 100-percent deliverable. In addition, the Project element's corrosion protection system design will provide stand-alone corrosion protection for idle Project elements while subsequent pipeline segments are constructed.

- K. System Hydraulic Model Update and Refinement. The Project's hydraulic and surge-transient models were primarily generated during development of the PDR. Several refinements and scenario analyses have been completed since then. Garrison Diversion is now considering relocating the hydraulic break tanks west into the ENDAWS segments of the transmission pipeline, which are higher in elevation allowing gravity flow in a longer segment of the pipeline. There is also consideration of delivering more flow to Lake Ashtabula due to changes in the lake's geomorphology. Finally, the location for withdrawals by direct pipeline users can now be refined from previous broad assumptions used in the PDR. In the previous PDR analyses, 25 cubic feet per second (cfs) was diverted from the main transmission main just east of the James River for central North Dakota users. The remaining flow of 140 cfs was conveyed from the James River to the Sheyenne River Outfall through a 72-inch pipe. The Owner now wants to examine options for conveying the peak Project capacity from the James River to the Sheyenne River Outfall – 165 cfs or greater. As the final pipeline alignment (both horizontal and vertical) is established for Contract 4 as well as Contracts 6 and 7, it will be necessary to update models and evaluate the impact of changes made to the alignment on hydraulic capacity. Owner seeks to optimize the alignment and pipeline diameter to convey the highest possible flow, which Engineer's hydraulic analyses will seek to achieve.
- i. Hydraulic Modeling and Scenario Analyses. Engineer will update the Project's hydraulic model with the final design alignment of Contracts 5 and the current alignments for Contracts 4, 6, and 7 that are at various completion states along with various flow and demand scenarios. Verify through modeling that flows delivered to the Sheyenne River Outfall meet design criteria. Operating pressures for pipeline wall design will also be confirmed to verify compatibility with pipe already installed and its pressure class rating. The hydraulic analysis will consider flows, size and pressure class of installed transmission main pipe, the proposed height of the hydraulic break tanks and their expected operation, minimization of system operating costs, system reliability, and other pertinent factors to arrive at a size and pressure class rating for respective pipeline segments.
 - ii. A hydraulics report documenting updates to assumptions, the model itself, and results will be developed and submitted.

L. Pipeline Basis of Design Memorandum Update

- i. Draft Basis of Design Memorandum (BDM). BDM were prepared for the Contract 5 and 6 pipelines. This BDM will be updated for the design and construction of the Contract 4 pipeline, including pipeline design parameters, a preliminary route map indicating the proposed alignment, pipeline material selection, pipeline design working pressure and test pressure, joint restraint, accessories, and appurtenances. Engineer will review the Draft BDM for accuracy and completeness prior to submitting to the Owner for review and comment.
- ii. Review and Finalize BDM. Engineer will confer with Owner's staff to review the Draft Updated BDM and obtain Owner's comments. Engineer will address Owner comments and develop a Final Updated BDM. The Final Updated BDM will be the document followed by the design team to develop CDs for solicitation of bids from general contractors.

M. Front-End Documents Customization

- i. Prepare and deliver draft front-end documents using standard documents of the Engineers Joint Contract Document Committee (EJCDC) and Engineer's standard supplements, including general conditions and supplementary conditions. The documents will be based on the Contract Documents for Segment 5 and will assume that the Contract 4 pipeline will be split into up to three construction contracts.
- ii. Conduct a review with the Owner to discuss and receive comments on the draft front-end documents.
- iii. Revise front-end documents addressing Owner's comments and incorporate modifications, if any, into subsequent CD deliverables.

N. 60-percent CDs (Level 2 Design)

- i. Level 2 design will commence after the Owner accepts the preliminary design as modified from the Post Field Investigation Workshop.
- ii. The content of Level 2 deliverables is as follows:
 - General drawings
 - Plan and profile drawings
 - A majority of technical specifications
 - Underground utility drawings
 - Constructability review results
 - Opinion of probable construction cost update
 - Internal quality control review and refinement
 - QA/QC plan and log update
 - Task Order schedule update

- iii. Provide technical specifications and drawings for Owner review.
 - iv. Attend a meeting with the Owner to receive and discuss the Owner's review comments. Document comments received in a log and distribute to meeting attendees.
 - v. Revise documents as necessary to reflect decisions taken at this level incorporating design modifications into subsequent deliverables.
- O. 90-percent CDs (Level 3 Design)
- i. Level 3 design will commence after the Owner has accepted Level 2 deliverables. The content of the Level 3 deliverables is as follows:
 - Drawings review set
 - Technical specifications review set
 - Front-end documents review set
 - Opinion of probable construction cost update
 - Constructability review results
 - Internal quality control review and refinement
 - QA/QC plan and log update
 - Task Order schedule update
 - ii. Provide specifications and drawings for Owner review.
 - iii. Meet with the Owner to receive and discuss the Owner's review comments. Document comments received in a log and distribute to meeting attendees.
 - iv. Revise documents according to mutual agreement reflecting decisions taken at this level incorporating design modifications into subsequent deliverables.
- P. 100-Percent CDs. Prepare CDs starting from the pipeline Level 3 design. These documents will include comments received from the Owner. Deliverables include the following:
- Drawings
 - Technical specifications
 - Front-end documents
 - GDR for trenchless crossings
 - GBR for trenchless crossings
 - Updated opinion of probable construction cost
- Q. Final Sealed and Signed CDs
- i. Preparation of the final CDs will commence after the Owner has accepted 100-percent deliverables.
 - ii. Provide the Owner a record copy of Final CDs that are sealed, signed, and dated by the Engineer of Record.

- R. Opinions of Probable Construction Cost (aka Cost Opinions or Cost Estimates). Engineer will update the cost opinion presented in the PDR at the various stages of final design submitting updates for the Owners information and use as follows:
- i. After transmittal of the 60-percent deliverable, update cost opinion commensurate with an AACE Class 3 estimate with standard accuracy.
 - ii. After transmittal of the 90-percent deliverable, update cost opinion commensurate with an AACE Class 2 estimate with standard accuracy.
 - iii. After transmittal of the 100-percent deliverable, update cost opinion commensurate with an AACE Class 2 estimate with standard accuracy.
 - iv. After transmittal of final deliverable, update cost opinion commensurate with an AACE Class 1 estimate with standard accuracy.
- S. Quality Assurance/Quality Control. Engineer will provide QA/QC services necessary for execution of the Task Order. QA/QC reviews will be provided for each deliverable furnished. Reviews will be completed by Engineer's or Engineer's Subcontractor's independent senior staff. Engineer will log QA/QC reviews and maintain records of said reviews in its files. In addition, Engineer will log comments received from the Owner and provide a log of comments and Engineer responses for the following events:
- 60-percent CDs
 - Draft front-end documents
 - 90-percent CDs
 - 100-percent CDs

Engineer's services under the Final Design Phase will be considered complete on the date when the final design submittals identified in Deliverables are provided.

6. Task 6 – Bidding Assistance

- A. Advertisement and Bid Letting
- i. Finalize Front-End Documents. Finalize front-end documents incorporating information as it relates to the bid letting date, location, time, and other necessary information.
 - ii. Invitation to Bid. Provide to the Owner the Invitation to Bid, which Owner will have published in Owner-selected publications. Identify potential contractors and suppliers, review with the Owner, and distribute copies of the Invitation to Bid electronically.
 - iii. Production of Contract Documents. Produce digital copies of CDs, addenda, and geotechnical reports for Owner's use and distribution.
 - iv. Pre-bid Conference. Conduct, at a date and time selected and a place provided by the Owner, a pre-bid conference to:

- (a) Confirm the types of information required by the CDs and the format in which bids must be presented.
 - (b) Review special Task Order requirements and CDs in general.
 - (c) Receive requests for interpretations for which responses will be issued to plan holders via addendum.
 - (d) Prepare agenda for pre-bid conference; issue to plan holders and pre-bid conference attendees along with the pre-bid meeting sign-in sheet.
- v. Interpretation of Bidding Documents. Interpret bidding documents; prepare and issue up to two addenda to the CDs, as required. More addenda will be provided as Additional Services.
 - vi. Update cost opinion and furnish Engineer's Opinion of Probable Construction Cost (OPCC) to the Owner for its use at the bid opening.
 - vii. Bid Opening. Conduct bid opening on behalf of the Owner after bids are received. Make a preliminary tabulation of bids, and review questionnaires, qualifications information, and bids for completeness.
- B. Pre-award Services. The level of effort for pre-award services involving a well-qualified bidder and suppliers will be of a limited nature with the level of effort as stipulated in **Attachment E – Engineering Fee Estimate Worksheet(s)**.
- i. Questionnaire(s). Examine questionnaire(s) to identify any supplier whose equipment or material may not conform to the CDs. This examination will be based on the knowledge and experience of the Engineer.
 - ii. Qualifications of Apparent Successful Bidder. Review and evaluate the qualifications of the apparent successful bidder and the proposed major or specialty subcontractors. The review and evaluation will include financial resources, and a check of up to five references from completed projects similar in size and character.
 - iii. Bid Tabulations. Prepare and distribute formal bid tabulation sheets, evaluate bids, and make a written recommendation to the Owner concerning contract award.
 - iv. Services include a review of the Contractor's bonds and forwarding to the Owner for approval; furnishing the Contractor unsigned CDs; and transmitting the CDs to the Owner for signature and distribution. Engineer's review is only for the purpose of determining if the Contractor provided the required bonds; it is not a legal review to determine if Contractor is compliant with CD requirements.
- C. Post-award Services. Engineer will provide the following services after the Notice of Award has been issued by the Owner.

- i. Prepare Issued-for-Construction Contract Documents. Engineer will incorporate drawing, specification, and geotechnical data and baseline report items made by addendum during the bidding phase, as applicable, into the native files (i.e., AutoCAD, Revit, Word, or Excel files, as applicable) before construction begins. Once addenda items have been incorporated, Engineer will produce and transmit Issued-for-Construction CDs electronically and in hardcopy format to Owner and Contractor for use during construction. Electronic Issued-for-Construction CD files will be provided by Engineer in bookmarked pdf format.
- ii. Schedule and Moderate Preconstruction Conference. Conduct a preconstruction conference at a date and time selected by and at a facility provided by Owner. Engineer will prepare an agenda to include, but not limited to, meeting topics such as:
 - Discussion of Contractor's tentative schedule
 - Procedures for transmittal and review of Contractor's submittals
 - Special inspections program, as applicable
 - Processing of payment requests and Owner payments
 - Critical work sequencing
 - Change order requests and change orders
 - Field orders / work change directives
 - Record drawings
 - Contractor's responsibilities for safety and first aid

Engineer will prepare and distribute minutes.

- iii. Obtain Drone-Based Video. Prior to issuance of the Contractor's notice to proceed Engineer will video record an aerial view of the alignment document existing pre-construction conditions. Produce aerial drone-based videos of the construction job site using a 12-megapixel minimum resolution camera. Provide a drone and operator with proper certifications and licenses for both federal and local jurisdictions. Drone video will be collected as follows:
 - (a) Pre-Construction conditions immediately prior to start of construction
 - (b) Construction documentation will be completed via flights under a future construction phase services task order.

Bidding Assistance will be considered complete upon issuance of a construction notice to proceed, commencement of construction, or upon cessation of negotiations with prospective Contractors.

V. SPECIAL SERVICES

Not used

VI. DELIVERABLES

The following deliverables will be furnished under this Task Order. Documents or deliverables not included in the list below will be provided as Additional Services as authorized by the Owner.

1. Task 1 – Task Order Management and Administration

- Progress reports (electronic pdf files)
- Baseline schedule and updates (electronic pdf files)

2. Task 2 – Special Project and Third-Party Meetings.

- Meeting agenda (typically included with MS Outlook meeting invitations)
- Meeting notes (electronic pdf files)

3. Task 3 – Landowner Communication and Easement Modifications

- Landowner GIS exhibits (electronic pdf file for each affected parcel)
- Certificates of survey for modified easements (electronic pdf files and hard copies, as required)

4. Task 4 – Field Services

- Geotechnical Report for the open-cut pipeline (electronic pdf files)
- Geotechnical Data Report for the trenchless crossings (electronic pdf files)
- Updated drawings for supplemental surveys (electronic pdf file)
- Alignment site visit notes (electronic pdf files for Contract 4)
- Stray current field report (electronic pdf file)
- Correspondence and re-examination of wetlands' jurisdictional determinations (electronic pdf files)

5. Task 5 – Final Design Services

- Meeting/conference call agendas (generally attached to MS Outlook meeting invitations) and notes (electronic pdf files)
- Updated Design Guidance Manual (draft and final single hard copy and electronic pdf files)
- Geotechnical baseline report (electronic pdf file)
- Soils classification and quantities memorandum (electronic pdf files)
- Utility notification letters (electronic pdf file)
- Utility contact list (electronic pdf file)
- SUE drawings (single hard copy and electronic pdf file)
- Permit applications (electronic pdf files for applications identified in the Permitting paragraph)
- Corrosion protection system basis of design memorandum update (electronic pdf file)
- System hydraulic model update and refinement report (electronic pdf file)
- Pipeline Basis of Design Memorandum update (electronic pdf file)
- Draft front-end documents (electronic pdf files)

- 60-percent CDs (hard copies and electronic pdf files)
- 60-percent cost opinion (electronic pdf file)
- 60-percent Owner review comments log (electronic pdf file)
- 90-percent CDs (hard copies and electronic pdf files)
- 90-percent cost opinion (electronic pdf file)
- 90-percent Owner review comments log (electronic pdf file)
- 100-percent CDs (hard copies and electronic pdf files)
- 100-percent cost opinion (electronic pdf file)
- 100-percent Owner review comments log (electronic pdf file)
- Final Sealed and Signed CDs (hard copies and electronic pdf files)
- Final cost opinion (electronic pdf file)

6. Task 6 – Bidding Assistance (up to three contracts)

- Invitation to Bid (electronic Word and pdf files)
- Issued-for-Bid CDs, including associated geotechnical reports (electronic pdf files)
- Pre-bid Conference Agenda (electronic pdf file)
- Opinion of Probable Construction Cost (electronic pdf file)
- Bid Tab – Summary and Detail (electronic pdf file)
- Recommendation of Award (electronic pdf file)
- Notice of Award form (electronic Word file)
- Agreement, Performance Bond, and Payment Bond forms (electronic Word files)
- Issued-for-Construction CDs (hard copies and electronic pdf files)
- Pre-construction Conference Agenda/Minutes (electronic pdf files)
- Drone video (electronic files)
- Notice to Proceed form (electronic Word file)

VII. ADDITIONAL SERVICES

The professional services listed below are not included in the scope of this Task Order nor does the fee shown in Article IX include any labor and direct expenses for items identified as Additional Services. Should Owner want to include services listed under Additional Services in Engineer's scope an amendment to this Task Order or execution of a separate Task Order with the new scope of services will be necessary.

1. The pipeline alignment was finalized previously under the preliminary design task orders, and survey certificates were prepared for each parcel of Contract 4 under Task Order 7310 – Land Services where options or easements are in place. Limited additional certificates of survey will be necessary over the 27-mile length in order to prepare CDs for bidding. These certificates will be prepared under Task Order 7410 – 2021-23 Biennium Land Services. If the alignment is changed during these Final Design Services, new survey certificates will likely be necessary and those would be considered Additional Services if the effort falls beyond the allowance amount set forth in this Task Order.

2. Addenda. Engineer will prepare up to two addenda under Basic Services. Should additional addenda be required beyond the Engineer's control, they will be prepared by Engineer as Additional Services.
3. Pre-award Services to be Provided as Additional Services. If the apparent successful bidder is not well qualified or if substantive changes to the design are proposed by the Bidder or the Contractor after award, substantial and unpredictable levels of effort by Engineer may be required to resolve issues and answer questions. These services will be provided according to the Owner's request as Additional Services.
4. Design of the relocation of utilities in conflict with the proposed location of RRVWS pipeline as presented in the PDR, except as explicitly identified herein. Relocation design for the following utilities and facilities is considered Additional Services:
 - Overhead and buried telephone lines
 - Fiber optic cable and other communication lines
 - Natural gas pipelines
 - Petroleum pipelines
6. Preparation of traffic control plans, excluding haul routes and detour plans that are included with Basic Services.

VIII. SPECIAL RESPONSIBILITIES OF OWNER

1. Pot Holing and Vacuum Excavation Contractor. Engineer will coordinate with and manage the services provided by a pot holing or vacuum excavation contractor hired by the Owner to uncover potentially conflicting utilities. Owner will contract with and pay directly for the services of the pot holing or vacuum excavation contractor.
2. Advertising Fees. Owner agrees to pay directly to publication(s) the fees of all public advertisements, including those costs assessed by plan rooms, bidding exchanges, and online bid management services.
3. Permit and License Fees. Owner agrees to pay directly to affected utilities, railroads, or other public entities fees assessed to secure crossing permits, licenses, or easements.
4. Easements. Pay directly to landowners real estate costs for all required easements. In addition, retain and pay for legal services necessary to secure easements through negotiation or other means. Several landowners in this 24-mile section have declined to sign voluntary easements so legal intervention will likely be necessary to get the necessary right-of-way. The Owner will manage and oversee legal services provided by others to support easement acquisition.
5. Issued-for-Bid CDs Distribution. Owner agrees to handle all aspects of bid document distribution, including collection of fees for CDs; distributing CDs, geotechnical reports, and addenda to prospective bidders and suppliers; and developing, maintaining, and distributing a plan holders list to recipients of CDs prior to the bid opening.

- 5. Bid Tabulations. Distribute the formal bid tabulation sheet(s) to plan holders of record or to the online bid management service(s) for distribution to plan holders and/or its membership, as applicable.
- 6. Meeting Facilities. Provide facilities or lease appropriate space for conducting the pre-bid meeting, if not held virtually, and similarly for the pre-construction conference.

IX. FEE

The total fee for the Basic Services under this Task Order is Seven Million One Hundred Eighty-Three Thousand Dollars (\$7,183,000). Worksheet(s) showing the fee estimate and level of effort by task are included as **Attachment E**.

X. PERFORMANCE SCHEDULE

This Task Order will be completed by December 31, 2025. It is assumed that the final contract documents will be ready for bidding by June 30, 2025. Bidding will take place during July thru September 2025. A contractor Notice to Proceed is expected to be issued by October 2025 for at least one project. If funding becomes available for earlier construction, construction documents will be completed earlier for the portion of the project that has funding. **Attachment F** shows the anticipated execution schedule.

XI. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

- 1. Standard Form of Agreement between Owner and Engineer for Professional Services dated January 17, 2008, is incorporated by reference.
- 2. Attachment A - Contract 4 Alignment and Trenchless Crossing Locations
- 3. Attachment B – Preliminary Sheet List
- 4. Attachment C – Preliminary Specification List
- 5. Attachment D – Proposed Soil Borings
- 6. Attachment E – Fee Estimate Worksheets
- 7. Attachment F – Final Design and Bidding Assistance Schedule

XII. ACCEPTANCE

If this satisfactorily sets forth your understanding of our Task Order, please print and sign this document. You should retain one copy for your files and return an electronic copy via email to Paul Boersma (BoersmaPM@BV.com) with Black & Veatch Corporation.

By: _____
Duane DeKrey, General Manager
Garrison Diversion Conservancy District

By: _____
Paul Boersma, Associate Vice President
Black & Veatch Corporation

Dated: _____

Dated: _____

ATTACHMENT A

CONTRACT 4 ALIGNMENT AND TRENCHLESS CROSSING LOCATIONS

DRAFT

DRAFT

ATTACHMENT B

PRELIMINARY SHEET LIST

Type of Drawing	138 Sheets Total
<u>Contract 4A (9 miles)</u>	
Cover	1
General	9
Plan & Profile	20
Details	9
Specialty	4
Traffic Control	<u>3</u>
Subtotal	46
<u>Contract 4B (9 miles)</u>	
Cover	1
General	9
Plan & Profile	20
Details	9
Specialty	4
Traffic Control	<u>3</u>
Subtotal	46
<u>Contract 4C (9 miles)</u>	
Cover	1
General	9
Plan & Profile	20
Details	9
Specialty	4
Traffic Control	<u>3</u>
Subtotal	46

ATTACHMENT C

PRELIMINARY SPECIFICATION LIST

Specification Topic	67 Sections for Up to Three Contracts
Division 00 – Procurement and Contracting Requirements	23
Division 01 – General Requirements	15
Division 03 – Concrete	1
Division 05 – Metals	1
Division 09 – Finishes	2
Division 13 – Special Construction	1
Division 26 – Electrical	1
Division 31 – Earthwork	7
Division 32 – Exterior Improvements	2
Division 33 – Utilities	7
Division 40 – Process Interconnections	7

DRAFT

ATTACHMENT D
PROPOSED SOIL BORINGS DRAWING

DRAFT

DRAFT

ATTACHMENT E
FEE ESTIMATE WORKSHEETS

DRAFT

DRAFT



Garrison Diversion Conservancy District
Task Order 5340 - Transmission Pipeline East Ct 4 Final Design Services & Bidding Assistance
BV Project No. 417351
Black & Veatch & Subcontractors

Task	Lead Firm	Task Description	Position	P	PMS	PM	TE	EM	EM	DE2	SE1	TE	DES	DE3	DES	DES	SE1	SE2	EE	EE	EE	EM1	HE1	BIM1	TBD	CADS	CAD1	CAD2	EST1	EST2	GISM	PJC2	PA1	PA1	ADM1	ADM2	QC2	Labor Detail		
			Principal	Project Manager Senior	Project Manager	Technical Expert	Engineering Manager (Overall)	Engineering Manager (Team 1)	Design Engineer 2 (Pipeline Team 1)	Staff Engineer 1 (Pipeline Team 1)	Technical Expert	Design Engineer Senior (Pipeline 1)	Design Engineer 3	Design Engineer Senior (Geotech)	Design Engineer Senior (Geotech/Trenchless)	Staff Engineer 1 (Geotech/Trenchless)	Staff Engineer 2 (Trenchless)	Electrical Engineer (Corrosion)	Electrical Engineer (Corrosion)	Electrical Engineer (Corrosion)	Elec/Mech Engineer 1	Hydraulics Engineer 1	BIM-3D Technician 1	BIM-3D Technician 2	CAD Technician Senior	CAD Technician 1	CAD Technician 2 (Pipeline Team 1)	Estimator 1	Estimator 2	GIS Technical Manager	Project Controls Analyst 2	Project Accountant Senior	Project Accountant 1	Administrator 1	Administrator 2	QA/QC Manager 2	BV Level of Effort (hrs)			
IV. BASIC SERVICES																																								
1	BV	Task Order Management and Administration	136	320	100	8	176	72	0	0	0	0	440	4	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,920	
A	BV	Project Mgmt (2 3-d trp; x2)	40	80	40	8	40	16					40																										264	
B	BV	Administration	40	80	40		40	40					120		16																		104	104	104				688	
C	BV	Progress Reports	8	80			40						80																										208	
D	BV	Schedule Updates	8	40			16						80																						96				280	
E	BV	Management of Subconsultants	40	40	20		40	16					120	4	8																				96	96			480	
2	BV	Special Project and Third-Party Meetings	24	48	0	0	48	120	40	80	0	0	0	40	40	0	0	0	0	0	0	0	0	0	0	0	40	80	0	0	0	0	0	0	0	24	0	0	584	
A	BV	Special Project Meetings																																					0	
i	BV	TO Initiation Mtg	2	4			8	16						8	8																				8				54	
ii	BV	Post Fld Invest Align Update Mtg (1 4-d trp; x2)	2	4			8	40	40	40																	80													214
B	AE2S	Third Party Meetings																																					0	
i	AE2S	Stakeholder Meetings (1 2-d trp; x2)	16	16			8	24						16	16												40								16				152	
ii	AE2S	Design Meetings for Utility Coordination	4	24			24	40		40				16	16																								164	
3	AE2S	Landowner Comm & Easement Modifications	6	12	0	0	88	8	0	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	178	
A	AE2S	Landowner Notification	2	4			32			32																													70	
B	AE2S	Landowner Coordination	2	4			16			32																													54	
C	AE2S	Modifications to Signed Easements	2	4			40	8																															54	
4	BV	Field Services	7	112	0	48	80	40	40	0	160	160	0	128	8	800	80	40	60	0	80	0	48	0	16	96	0	0	0	0	0	0	0	0	0	0	0	0	2,003	
A	MTS	Soil Borings		80		48					160	160		80		800	80				80		48		16	16													1,568	
B	AE2S	Limited Topographic Surveying	2	8			8							8	8																								34	
C	BV	Stray Current Fld Investigation (1 3-dy trp; x1)	2	8			16											40	60																				126	
D	BV	Alignment Site Visits (1 5-d trp; x2)	2	8			16	40						40												40													146	
E	Ulteig	Jurisdictional Wetland Review and Consultation	1	8			40		40																	40													129	
5	BV	Final Design Services	131	486	0	46	1,206	2,368	1,936	192	128	0	400	0	262	518	608	0	300	60	0	80	0	1,110	0	0	5,820	80	160	40	0	0	0	0	264	500		16,695		
A	BV	Design Team Conference Calls (12)	1	12		6	12	12							6	12	12																						73	
B	BV	Design Guidance Manual Minor Update	1	2			8	8	24						12	12																			16				83	
C	BV	Geotechnical Baseline Report	1	12		16				16	70				40	250	300									200										16			921	
D	BV	Geotechnical Design Memorandum/GDR	1	8		16		4			58				8	40	80									40									8				263	
E	PSC	Soils Classifications and Quantities		4			8	8	16																					40								76		
F	AE2S	Utility Coordination	1	2			4	8	8																													23		
G	AE2S	Subsurface Utility Engineering																																				0		
i	AE2S	SUE Surveys		4				8	16																													28		
ii	AE2S	Vacuum Excavations (5)		4				8	16																													28		
H	AE2S	Utility Relocations Coordination		4				8	16																													28		
I	AE2S	Permitting	2	16			16	40	40																													114		
J	BV	Pipeline Corrosion Protection System Services		8				24											300	60						120													512	
K	BV	System Hydraulic Model Update and Refinement	4	40			40		120	160																													444	
L	BV	Pipeline Basis of Design Memorandum Update	2	4			8	16	40						8	4	4																			24		110		
M	BV	Front-End Documents Customization	2	40		8	4	4							8	4																						70		
N	BV	60-Percent CDs (Level 2 Design) (1 2-dy trp; x2)	40	120			430	870	670				120		40	60	80								440											40		5,090		
O	BV	90-Percent CDs (Level 3 Design) (1 2-dy trp; x2)	40	120			430	870	670				120		20	40	60								440										40		5,030			
P	BV	100-Percent CDs (1 2-dy trp; x1)	20	50			170	330	210				120		80	40	40								170										80			2,130		
Q	BV	Final Sealed and Signed CDs	12	20			60	110	90				40		40	16	16								60										40			784		
R	BV	Opinions of Probable Construction Cost	4	16			16	40		16																		80	160									388		
S	BV	Quality Assurance/Quality Control																																			500	500		



Garrison Diversion Conservency District
Task Order 5340 - Transmission Pipeline East Ct 4 Final Design Services & Bidding Assistance
BV Project No. 417351
Black & Veatch & Subcontractors

Task	Lead Firm	Task Description	Position	P	PMS	PM	TE	EM	EM	DE2	SE1	TE	DES	DE3	DES	DES	SE1	SE2	EE	EE	EE	EM1	HE1	BIM1	TBD	CADS	CAD1	CAD2	EST1	EST2	GISM	PJC2	PA1	PA1	ADM1	ADM2	QC2	Labor Detail
			Principal	Project Manager Senior	Project Manager	Technical Expert	Engineering Manager (Overall)	Engineering Manager (Team 1)	Design Engineer 2 (Pipeline Team 1)	Staff Engineer 1 (Pipeline Team 1)	Technical Expert	Design Engineer Senior (Pipeline 1)	Design Engineer 3	Design Engineer Senior (Geotech)	Design Engineer Senior (Geotech/Trenchless)	Staff Engineer 1 (Geotech/Trenchless)	Staff Engineer 2 (Trenchless)	Electrical Engineer (Corrosion)	Electrical Engineer (Corrosion)	Electrical Engineer (Corrosion)	Elect/Mech Engineer 1	Hydraulics Engineer 1	BIM-3D Technician 1	BIM-3D Technician 2	CAD Technician Senior	CAD Technician 1	CAD Technician 2 (Pipeline Team 1)	Estimator 1	Estimator 2	GIS Technical Manager	Project Controls Analyst 2	Project Accountant Senior	Project Accountant 1	Administrator 1	Administrator 2	QA/QC Manager 2	BV Level of Effort (hrs)	
6	BV	Bidding Assistance (Contract 4A)	10	57	0	0	113	0	16	110	28	0	0	16	16	0	0	8	0	0	0	0	0	0	0	0	0	32	32	0	0	0	0	0	0	30	0	468
A	BV	Advertisement and Bid Letting																																				0
i	BV	Finalize Front-End Documents	2	4			8																													2		16
ii	BV	Invitation to Bid					2																															2
iii	BV	Production of Contract Documents					2				8					16																				16		42
iv	BV	Pre-bid Conference (virtual)	1	2			4			4	2																											13
v	BV	Interpretation of Bidding Documents	2	8			24			40	28								8									8										118
vii	BV	Update Cost Opinion and Furnish OPCC	1	2			4			4						16													16									43
viii	AE2S	Bid Opening		1			2																															3
B	BV	Pre-award Services																																				0
i	BV	Questionnaires		1			4			2																												7
ii	BV	Qualifications of Apparent Successful Bidder	2	8			16			12	16																											54
iii	BV	Bid Tabulations		1			1			4																												6
iv	BV	Review of Contractor's Bonds, Insurance, etc.		1			2			2																												5
C	BV	Post-award Services																																				0
i	BV	Prepare Issued-for-Construction CDs	1	4			16			16																	24	16								8	85	
ii	BV	Sched & Mod Preconst Conf (1 3-dy trp; x2)	1	24			24			16																										4	69	
iii	AE2S	Obtain Drone-Based Video		1			4																															5
7	BV	Bidding Assistance (Contract 4B)	10	57	0	0	113	0	16	110	28	0	0	16	16	0	0	8	0	0	0	0	0	0	0	0	0	32	32	0	0	0	0	0	0	30	0	468
A	BV	Advertisement and Bid Letting																																				0
i	BV	Finalize Front-End Documents	2	4			8																													2		16
ii	BV	Invitation to Bid					2																															2
iii	BV	Production of Contract Documents					2				8					16																					16	42
iv	BV	Pre-bid Conference (virtual)	1	2			4			4	2																											13
v	BV	Interpretation of Bidding Documents	2	8			24			40	28								8									8										118
vii	BV	Update Cost Opinion and Furnish OPCC	1	2			4			4						16													16									43
viii	AE2S	Bid Opening		1			2																															3
B	BV	Pre-award Services																																				0
i	BV	Questionnaires		1			4			2																												7
8	BV	Bidding Assistance (Contract 4C)	10	57	0	0	113	0	16	110	28	0	0	16	16	0	0	8	0	0	0	0	0	0	0	0	0	32	32	0	0	0	0	0	0	30	0	468
A	BV	Advertisement and Bid Letting																																				0
i	BV	Finalize Front-End Documents	2	4			8																													2		16
ii	BV	Invitation to Bid					2																															2
iii	BV	Production of Contract Documents					2				8					16																					16	42
iv	BV	Pre-bid Conference (virtual)	1	2			4			4	2																											13
v	BV	Interpretation of Bidding Documents	2	8			24			40	28								8									8										118
vii	BV	Update Cost Opinion and Furnish OPCC	1	2			4			4						16													16									43
viii	AE2S	Bid Opening		1			2																															3
B	BV	Pre-award Services																																				0
i	BV	Questionnaires		1			4			2																												7



Garrison Diversion Conservency District
 Task Order 5340 - Transmission Pipeline East Ct 4 Final Design Services & Bidding Assistance
 BV Project No. 417351
 Black & Veatch & Subcontractors

Task	Lead Firm	Task Description	Position	P	PMS	PM	TE	EM	EM	DE2	SE1	TE	DES	DE3	DES	DES	SE1	SE2	EE	EE	EE	EM1	HE1	BIM1	TBD	CADS	CAD1	CAD2	EST1	EST2	GISM	PJC2	PA1	PA1	ADM1	ADM2	QC2	Labor Detail	
			Principal	Project Manager Senior	Project Manager	Technical Expert	Engineering Manager (Overall)	Engineering Manager (Team 1)	Design Engineer 2 (Pipeline Team 1)	Staff Engineer 1 (Pipeline Team 1)	Technical Expert	Design Engineer Senior (Pipeline 1)	Design Engineer 3	Design Engineer Senior (Geotech)	Design Engineer Senior (Geotech/Trenchless)	Staff Engineer 1 (Geotech/Trenchless)	Staff Engineer 2 (Trenchless)	Electrical Engineer (Corrosion)	Electrical Engineer (Corrosion)	Electrical Engineer (Corrosion)	Elec/Mech Engineer 1	Hydraulics Engineer 1	BIM-3D Technician 1	BIM-3D Technician 2	CAD Technician Senior	CAD Technician 1	CAD Technician 2 (Pipeline Team 1)	Estimator 1	Estimator 2	GIS Technical Manager	Project Controls Analyst 2	Project Accountant Senior	Project Accountant 1	Administrator 1	Administrator 2	QA/QC Manager 2	BV Level of Effort (hrs)		
ii	BV	Qualifications of Apparent Successful Bidder	2	8			16		12	16																												54	
iii	BV	Bid Tabulations		1			1			4																													6
iv	BV	Review of Contractor's Bonds, Insurance, etc.		1			2			2																													5
C	BV	Post-award Services																																					0
i	BV	Prepare Issued-for-Construction CDs	1	4			16			16																	24	16								8		85	
ii	BV	Sched & Mod Preconst Conf (1 3-dy tpr; x2)	1	24			24			16																									4			69	
iii	AE2S	Obtain Drone-Based Video		1			4																															5	
PROJECT TOTALS			334	1,149	100	102	1,937	2,608	2,064	666	372	160	840	220	382	1,318	688	64	360	60	80	80	48	1,110	16	136	5,996	176	160	40	144	200	200	120	354	500	22,784		



Garrison Diversion Conservancy District
Task Order 5340 - Transmission Pipeline Eas
BV Project No. 417351
Black & Veatch & Subcontractors

Task	Lead Firm	Position	Labor Detail	Expense Detail	Expense Detail	Sub Consultant	Sub Consultant	Expense Detail	Sub Consultant	Expense Detail	Expense Detail	TOTAL	TOTAL	TOTAL	TOTAL		
																BV Labor Cost	HOBACCA
IV. BASIC SERVICES																	
1	BV	Task Order Management and Administration	\$399,984	\$17,088	\$199	512	\$127,260	\$6,364	72	\$12,600	\$630	\$7,600	\$171,741	1,920	\$399,984	\$171,741	\$571,725
A	BV	Project Mgmt (2 3-d trp; x2)	\$71,248	\$2,350	\$199	232	\$51,811	\$2,591	24	\$4,200	\$210	\$7,600	\$68,961	264	\$71,248	\$68,961	\$140,209
B	BV	Administration	\$134,592	\$6,123		152	\$40,303	\$2,015	24	\$4,200	\$210		\$52,851	688	\$134,592	\$52,851	\$187,443
C	BV	Progress Reports	\$50,752	\$1,851		64	\$17,573	\$879	24	\$4,200	\$210		\$24,713	208	\$50,752	\$24,713	\$75,465
D	BV	Schedule Updates	\$50,856	\$2,492		64	\$17,573	\$879	-		\$0		\$20,944	280	\$50,856	\$20,944	\$71,800
E	BV	Management of Subconsultants	\$92,536	\$4,272		-	\$0	\$0	-		\$0		\$4,272	480	\$92,536	\$4,272	\$96,808
2	BV	Special Project and Third-Party Meetings	\$125,520	\$5,199	\$0	620	\$149,275	\$7,464	29	\$5,000	\$250	\$4,400	\$171,588	584	\$125,520	\$171,588	\$297,108
A	BV	Special Project Meetings	\$0	\$0		-	\$0	\$0	-		\$0		\$0	0	\$0	\$0	\$0
i	BV	TO Initiation Mtg	\$13,258	\$481		28	\$7,397	\$370	-		\$0		\$8,248	54	\$13,258	\$8,248	\$21,506
ii	BV	Post Fld Invest Align Update Mtg (1 4-d trp; x2)	\$38,426	\$1,905		112	\$27,835	\$1,392	-		\$0	\$4,400	\$35,532	214	\$38,426	\$35,532	\$73,958
B	AE2S	Third Party Meetings	\$0	\$0		-	\$0	\$0	-		\$0		\$0	0	\$0	\$0	\$0
i	AE2S	Stakeholder Meetings (1 2-d trp; x2)	\$34,552	\$1,353		176	\$39,734	\$1,987	29	\$5,000	\$250		\$48,324	152	\$34,552	\$48,324	\$82,876
ii	AE2S	Design Meetings for Utility Coordination	\$39,284	\$1,460		304	\$74,310	\$3,715	-		\$0		\$79,485	164	\$39,284	\$79,485	\$118,769
3	AE2S	Landowner Comm & Easement Modifications	\$39,718	\$1,585	\$0	694	\$142,036	\$7,101	-	\$0	\$0	\$0	\$150,722	178	\$39,718	\$150,722	\$190,440
A	AE2S	Landowner Notification	\$14,818	\$623		152	\$27,787	\$1,389	-		\$0		\$29,799	70	\$14,818	\$29,799	\$44,617
B	AE2S	Landowner Coordination	\$10,674	\$481		182	\$40,929	\$2,046	-		\$0		\$43,456	54	\$10,674	\$43,456	\$54,130
C	AE2S	Modifications to Signed Easements	\$14,226	\$481		360	\$73,320	\$3,666	-		\$0		\$77,467	54	\$14,226	\$77,467	\$91,693
4	BV	Field Services	\$410,065	\$17,826	\$1,000	970	\$229,982	\$11,499	5,201	\$910,000	\$45,500	\$37,100	\$1,252,907	2,003	\$410,065	\$1,252,907	\$1,662,972
A	MTS	Soil Borings	\$310,096	\$13,955		260	\$75,825	\$3,791	4,629	\$810,000	\$40,500	\$30,000	\$974,071	1,568	\$310,096	\$974,071	\$1,284,167
B	AE2S	Limited Topographic Surveying	\$9,270	\$303		300	\$63,811	\$3,191	-		\$0		\$67,305	34	\$9,270	\$67,305	\$76,575
C	BV	Stray Current Fld Investigation (1 3-dy trp; x1)	\$29,274	\$1,121	\$1,000	-	\$0	\$0	-		\$0	\$1,900	\$4,021	126	\$29,274	\$4,021	\$33,295
D	BV	Alignment Site Visits (1 5-d trp; x2)	\$34,214	\$1,299		105	\$24,400	\$1,220	143	\$25,000	\$1,250	\$5,200	\$58,369	146	\$34,214	\$58,369	\$92,583
E	Ulteig	Jurisdictional Wetland Review and Consultation	\$27,211	\$1,148		305	\$65,946	\$3,297	429	\$75,000	\$3,750		\$149,141	129	\$27,211	\$149,141	\$176,352
5	BV	Final Design Services	\$3,099,571	\$148,587	\$4,000	2,748	\$620,779	\$31,036	429	\$75,000	\$3,750	\$9,700	\$892,852	16,695	\$3,099,571	\$892,852	\$3,992,423
A	BV	Design Team Conference Calls (12)	\$16,715	\$650		132	\$31,261	\$1,563	-		\$0		\$33,474	73	\$16,715	\$33,474	\$50,189
B	BV	Design Guidance Manual Minor Update	\$16,349	\$739		20	\$4,784	\$239	-		\$0		\$5,762	83	\$16,349	\$5,762	\$22,111
C	BV	Geotechnical Baseline Report	\$143,873	\$8,197		20	\$4,784	\$239	-		\$0		\$13,220	921	\$143,873	\$13,220	\$157,093
D	BV	Geotechnical Design Memorandum/GDR	\$49,393	\$2,341		20	\$4,784	\$239	-		\$0		\$7,364	263	\$49,393	\$7,364	\$56,757
E	PSC	Soils Classifications and Quantities	\$17,844	\$676		140	\$29,194	\$1,460	286	\$50,000	\$2,500		\$83,830	76	\$17,844	\$83,830	\$101,674
F	AE2S	Utility Coordination	\$5,597	\$205		384	\$81,320	\$4,066	-		\$0		\$85,591	23	\$5,597	\$85,591	\$91,188
G	AE2S	Subsurface Utility Engineering	\$0	\$0		-	\$0	\$0	-		\$0		\$0	0	\$0	\$0	\$0
i	AE2S	SUE Surveys	\$6,452	\$249		278	\$68,145	\$3,407	-		\$0		\$71,801	28	\$6,452	\$71,801	\$78,253
ii	AE2S	Vacuum Excavations (5)	\$6,452	\$249		110	\$37,166	\$1,858	143	\$25,000	\$1,250		\$65,523	28	\$6,452	\$65,523	\$71,975
H	AE2S	Utility Relocations Coordination	\$6,452	\$249		362	\$79,267	\$3,963	-		\$0		\$83,479	28	\$6,452	\$83,479	\$89,931
I	AE2S	Permitting	\$27,846	\$1,015		318	\$65,560	\$3,278	-		\$0		\$69,853	114	\$27,846	\$69,853	\$97,699
J	BV	Pipeline Corrosion Protection System Services	\$102,868	\$4,557		-	\$0	\$0	-		\$0	\$2,200	\$6,757	512	\$102,868	\$6,757	\$109,625
K	BV	System Hydraulic Model Update and Refinement	\$92,276	\$3,952		76	\$17,829	\$891	-		\$0		\$22,672	444	\$92,276	\$22,672	\$114,948
L	BV	Pipeline Basis of Design Memorandum Update	\$21,566	\$979		76	\$17,829	\$891	-		\$0		\$19,699	110	\$21,566	\$19,699	\$41,265
M	BV	Front-End Documents Customization	\$19,670	\$623		52	\$12,537	\$627	-		\$0		\$13,787	70	\$19,670	\$13,787	\$33,457
N	BV	60-Percent CDs (Level 2 Design) (1 2-dy trp; x2)	\$928,850	\$45,301	\$1,000	180	\$38,787	\$1,939	-		\$0	\$3,000	\$90,027	5,090	\$928,850	\$90,027	\$1,018,877
O	BV	90-Percent CDs (Level 3 Design) (1 2-dy trp; x2)	\$918,130	\$44,767	\$1,000	240	\$50,820	\$2,541	-		\$0	\$3,000	\$102,128	5,030	\$918,130	\$102,128	\$1,020,258
P	BV	100-Percent CDs (1 2-dy trp; x1)	\$388,150	\$18,957	\$1,000	148	\$31,966	\$1,598	-		\$0	\$1,500	\$55,021	2,130	\$388,150	\$55,021	\$443,171
Q	BV	Final Sealed and Signed CDs	\$143,816	\$6,978	\$1,000	92	\$20,063	\$1,003	-		\$0		\$29,044	784	\$143,816	\$29,044	\$172,860
R	BV	Opinions of Probable Construction Cost	\$74,772	\$3,453		52	\$12,025	\$601	-		\$0		\$16,079	388	\$74,772	\$16,079	\$90,851
S	BV	Quality Assurance/Quality Control	\$112,500	\$4,450		48	\$12,659	\$633	-		\$0		\$17,742	500	\$112,500	\$17,742	\$130,242



Garrison Diversion Conservency District
Task Order 5340 - Transmission Pipeline Eas
BV Project No. 417351
Black & Veatch & Subcontractors

Task	Lead Firm	Position	Labor Detail	Expense Detail	Expense Detail	Sub Consultant	Sub Consultant	Expense Detail	Sub Consultant	Expense Detail	Expense Detail	TOTAL	TOTAL	TOTAL	TOTAL		
																BV Labor Cost	HOBACCA
6	BV	Bidding Assistance (Contract 4A)	\$101,248	\$4,167	\$2,000	186	\$42,757	\$2,139	-	\$0	\$0	\$3,800	\$54,863	468	\$101,248	\$54,863	\$156,111
A	BV	Advertisement and Bid Letting	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Finalize Front-End Documents	\$4,066	\$142		-	\$0	\$0	-		\$0	\$142	16	\$4,066	\$142	\$4,208	\$4,208
ii	BV	Invitation to Bid	\$518	\$18		-	\$0	\$0	-		\$0	\$18	2	\$518	\$18	\$536	\$536
iii	BV	Production of Contract Documents	\$7,510	\$374	\$1,000	-	\$0	\$0	-		\$0	\$1,374	42	\$7,510	\$1,374	\$8,884	\$8,884
iv	BV	Pre-bid Conference (virtual)	\$3,025	\$116		8	\$2,066	\$103	-		\$0	\$2,285	13	\$3,025	\$2,285	\$5,310	\$5,310
v	BV	Interpretation of Bidding Documents	\$26,186	\$1,050		48	\$10,861	\$543	-		\$0	\$12,454	118	\$26,186	\$12,454	\$38,640	\$38,640
vii	BV	Update Cost Opinion and Furnish OPCC	\$10,189	\$383		-	\$0	\$0	-		\$0	\$383	43	\$10,189	\$383	\$10,572	\$10,572
viii	AE2S	Bid Opening	\$817	\$27		14	\$4,181	\$209	-		\$0	\$4,417	3	\$817	\$4,417	\$5,234	\$5,234
B	BV	Pre-award Services	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Questionnaires	\$1,631	\$62		6	\$1,294	\$65	-		\$0	\$1,421	7	\$1,631	\$1,421	\$3,052	\$3,052
ii	BV	Qualifications of Apparent Successful Bidder	\$11,890	\$481		10	\$2,392	\$120	-		\$0	\$2,993	54	\$11,890	\$2,993	\$14,883	\$14,883
iii	BV	Bid Tabulations	\$1,150	\$53		6	\$1,294	\$65	-		\$0	\$1,412	6	\$1,150	\$1,412	\$2,562	\$2,562
iv	BV	Review of Contractor's Bonds, Insurance, etc.	\$1,113	\$45		8	\$1,875	\$94	-		\$0	\$2,014	5	\$1,113	\$2,014	\$3,127	\$3,127
C	BV	Post-award Services	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Prepare Issued-for-Construction CDs	\$15,359	\$757	\$1,000	8	\$1,810	\$91	-		\$0	\$3,658	85	\$15,359	\$3,658	\$19,017	\$19,017
ii	BV	Sched & Mod Preconst Conf (1 3-dy trp; x2)	\$16,459	\$614		50	\$11,565	\$578	-		\$3,800	\$16,557	69	\$16,459	\$16,557	\$33,016	\$33,016
iii	AE2S	Obtain Drone-Based Video	\$1,335	\$45		28	\$5,418	\$271	-		\$0	\$5,734	5	\$1,335	\$5,734	\$7,069	\$7,069
7	BV	Bidding Assistance (Contract 4B)	\$101,248	\$4,167	\$2,000	186	\$42,757	\$2,139	-	\$0	\$0	\$3,800	\$54,863	468	\$101,248	\$54,863	\$156,111
A	BV	Advertisement and Bid Letting	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Finalize Front-End Documents	\$4,066	\$142		-	\$0	\$0	-		\$0	\$142	16	\$4,066	\$142	\$4,208	\$4,208
ii	BV	Invitation to Bid	\$518	\$18		-	\$0	\$0	-		\$0	\$18	2	\$518	\$18	\$536	\$536
iii	BV	Production of Contract Documents	\$7,510	\$374	\$1,000	-	\$0	\$0	-		\$0	\$1,374	42	\$7,510	\$1,374	\$8,884	\$8,884
iv	BV	Pre-bid Conference (virtual)	\$3,025	\$116		8	\$2,066	\$103	-		\$0	\$2,285	13	\$3,025	\$2,285	\$5,310	\$5,310
v	BV	Interpretation of Bidding Documents	\$26,186	\$1,050		48	\$10,861	\$543	-		\$0	\$12,454	118	\$26,186	\$12,454	\$38,640	\$38,640
vii	BV	Update Cost Opinion and Furnish OPCC	\$10,189	\$383		-	\$0	\$0	-		\$0	\$383	43	\$10,189	\$383	\$10,572	\$10,572
viii	AE2S	Bid Opening	\$817	\$27		14	\$4,181	\$209	-		\$0	\$4,417	3	\$817	\$4,417	\$5,234	\$5,234
B	BV	Pre-award Services	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Questionnaires	\$1,631	\$62		6	\$1,294	\$65	-		\$0	\$1,421	7	\$1,631	\$1,421	\$3,052	\$3,052
ii	BV	Qualifications of Apparent Successful Bidder	\$11,890	\$481		10	\$2,392	\$120	-		\$0	\$2,993	54	\$11,890	\$2,993	\$14,883	\$14,883
iii	BV	Bid Tabulations	\$1,150	\$53		6	\$1,294	\$65	-		\$0	\$1,412	6	\$1,150	\$1,412	\$2,562	\$2,562
iv	BV	Review of Contractor's Bonds, Insurance, etc.	\$1,113	\$45		8	\$1,875	\$94	-		\$0	\$2,014	5	\$1,113	\$2,014	\$3,127	\$3,127
C	BV	Post-award Services	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Prepare Issued-for-Construction CDs	\$15,359	\$757	\$1,000	8	\$1,810	\$91	-		\$3,800	\$7,458	85	\$15,359	\$7,458	\$22,817	\$22,817
ii	BV	Sched & Mod Preconst Conf (1 3-dy trp; x2)	\$16,459	\$614		50	\$11,565	\$578	-		\$0	\$12,757	69	\$16,459	\$12,757	\$29,216	\$29,216
iii	AE2S	Obtain Drone-Based Video	\$1,335	\$45		28	\$5,418	\$271	-		\$0	\$5,734	5	\$1,335	\$5,734	\$7,069	\$7,069
8	BV	Bidding Assistance (Contract 4C)	\$101,248	\$4,167	\$2,000	186	\$42,757	\$2,139	-	\$0	\$0	\$3,800	\$54,863	468	\$101,248	\$54,863	\$156,111
A	BV	Advertisement and Bid Letting	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Finalize Front-End Documents	\$4,066	\$142		-	\$0	\$0	-		\$0	\$142	16	\$4,066	\$142	\$4,208	\$4,208
ii	BV	Invitation to Bid	\$518	\$18		-	\$0	\$0	-		\$0	\$18	2	\$518	\$18	\$536	\$536
iii	BV	Production of Contract Documents	\$7,510	\$374	\$1,000	-	\$0	\$0	-		\$0	\$1,374	42	\$7,510	\$1,374	\$8,884	\$8,884
iv	BV	Pre-bid Conference (virtual)	\$3,025	\$116		8	\$2,066	\$103	-		\$0	\$2,285	13	\$3,025	\$2,285	\$5,310	\$5,310
v	BV	Interpretation of Bidding Documents	\$26,186	\$1,050		48	\$10,861	\$543	-		\$0	\$12,454	118	\$26,186	\$12,454	\$38,640	\$38,640
vii	BV	Update Cost Opinion and Furnish OPCC	\$10,189	\$383		-	\$0	\$0	-		\$0	\$383	43	\$10,189	\$383	\$10,572	\$10,572
viii	AE2S	Bid Opening	\$817	\$27		14	\$4,181	\$209	-		\$0	\$4,417	3	\$817	\$4,417	\$5,234	\$5,234
B	BV	Pre-award Services	\$0	\$0		-	\$0	\$0	-		\$0	\$0	0	\$0	\$0	\$0	\$0
i	BV	Questionnaires	\$1,631	\$62		6	\$1,294	\$65	-		\$0	\$1,421	7	\$1,631	\$1,421	\$3,052	\$3,052



Garrison Diversion Conservency District
 Task Order 5340 - Transmission Pipeline Eas
 BV Project No. 417351

Black & Veatch & Subcontractors

Task	Lead Firm	Position	Labor Detail	Expense Detail	Expense Detail	Sub Consultant	Sub Consultant	Expense Detail	Sub Consultant	Sub Consultant	Expense Detail	Expense Detail	TOTAL	TOTAL	TOTAL	TOTAL		
																	BV Labor Cost	HOBACCA
ii	BV		Qualifications of Apparent Successful Bidder	\$11,890	\$481		10	\$2,392	\$120			\$0	\$2,993	54	\$11,890	\$2,993	\$14,883	
iii	BV		Bid Tabulations	\$1,150	\$53		6	\$1,294	\$65			\$0	\$1,412	6	\$1,150	\$1,412	\$2,562	
iv	BV		Review of Contractor's Bonds, Insurance, etc.	\$1,113	\$45		8	\$1,875	\$94			\$0	\$2,014	5	\$1,113	\$2,014	\$3,127	
C	BV		Post-award Services	\$0	\$0		-	\$0	\$0			\$0	\$0	0	\$0	\$0	\$0	
i	BV		Prepare Issued-for-Construction CDs	\$15,359	\$757	\$1,000	8	\$1,810	\$91			\$0	\$3,800	\$7,458	85	\$15,359	\$7,458	\$22,817
ii	BV		Sched & Mod Preconst Conf (1 3-dy trp; x2)	\$16,459	\$614		50	\$11,565	\$578			\$0	\$12,757	69	\$16,459	\$12,757	\$29,216	
iii	AE2S		Obtain Drone-Based Video	\$1,335	\$45		28	\$5,418	\$271			\$0	\$5,734	5	\$1,335	\$5,734	\$7,069	
PROJECT TOTALS				\$4,378,602	\$202,786	\$11,199	6,102	\$1,397,602	\$69,881	5,731	\$1,002,600	\$50,130	\$70,200	\$2,804,398	22,784	\$4,378,602	\$2,804,398	\$7,183,000



Garrison Diversion Conservency District

Task Order 5340 - Transmission Pipeline East Ct 4 Final Design Services & Bidding Assistance

BV Project No. 417351

AE2S

Task	Lead Firm	Position	PMVI	PMIV	ENGI	SRDsn3	PMIII	LSIV	LSI	GISV	COMIII	ADM III	Labor Detail	Labor Detail	Expense Detail	Expense Detail	Expense Detail	TOTAL	TOTAL	TOTAL	TOTAL	
																						AE2S Level of Effort (hrs)
IV. BASIC SERVICES																						
1		Task Order Management and Administration	128	304	0	0	0	0	0	0	80	0	512	\$127,260	\$0	\$0	\$0	\$0	512	\$127,260	\$0	\$127,260
A	BV	Project Mgmt (2 3-d trp; x2)	32	120							80		232	\$51,811				\$0	232	\$51,811	\$0	\$51,811
B	BV	Administration	32	120									152	\$40,303				\$0	152	\$40,303	\$0	\$40,303
C	BV	Progress Reports	32	32									64	\$17,573				\$0	64	\$17,573	\$0	\$17,573
D	BV	Schedule Updates	32	32									64	\$17,573				\$0	64	\$17,573	\$0	\$17,573
E	BV	Management of Subconsultants											0	\$0				\$0	0	\$0	\$0	\$0
2	BV	Special Project and Third-Party Meetings	64	144	144	0	12	0	0	180	40	36	620	\$132,275	\$17,000	\$0	\$0	\$17,000	620	\$132,275	\$17,000	\$149,275
A	BV	Special Project Meetings											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	TO Initiation Mtg	4	8	8					8			28	\$6,397	\$1,000			\$1,000	28	\$6,397	\$1,000	\$7,397
ii	BV	Post Fld Invest Align Update Mtg (1 4-d trp; x2)	4	40	40		4			12		12	112	\$23,835	\$4,000			\$4,000	112	\$23,835	\$4,000	\$27,835
B	AE2S	Third Party Meetings											0	\$0				\$0	0	\$0	\$0	\$0
i	AE2S	Stakeholder Meetings (1 2-d trp; x2)	16	16	16		8			80	40		176	\$35,734	\$4,000			\$4,000	176	\$35,734	\$4,000	\$39,734
ii	AE2S	Design Meetings for Utility Coordination	40	80	80	0				80		24	304	\$66,310	\$8,000			\$8,000	304	\$66,310	\$8,000	\$74,310
3		Landowner Comm & Easement Modifications	0	116	96	0	112	80	0	160	10	120	694	\$135,536	\$6,500	\$0	\$0	\$6,500	694	\$135,536	\$6,500	\$142,036
A	AE2S	Landowner Notification		16	40		16			40		40	152	\$27,787				\$0	152	\$27,787	\$0	\$27,787
B	AE2S	Landowner Coordination		60	16		16			40	10	40	182	\$35,929	\$5,000			\$5,000	182	\$35,929	\$5,000	\$40,929
C	AE2S	Modifications to Signed Easements		40	40		80	80		80		40	360	\$71,820	\$1,500		\$0	\$1,500	360	\$71,820	\$1,500	\$73,320
4		Field Services	2	132	64	24	100	240	200	176	0	32	970	\$185,982	\$18,000	\$0	\$26,000	\$44,000	970	\$185,982	\$44,000	\$229,982
A	MTS	Soil Borings		8	24	0	36	120	40	32			260	\$48,825	\$9,000		\$18,000	\$27,000	260	\$48,825	\$27,000	\$75,825
B	AE2S	Limited Topographic Surveying		4		24	24	120	120	8			300	\$51,811	\$6,000		\$6,000	\$12,000	300	\$51,811	\$12,000	\$63,811
C	BV	Stray Current Fld Investigation (1 3-dy trp; x1)											0	\$0				\$0	0	\$0	\$0	\$0
D	BV	Alignment Site Visits (1 5-d trp; x2)	1	40	40					16		8	105	\$22,400	\$2,000			\$2,000	105	\$22,400	\$2,000	\$24,400
E	Ulteig	Jurisdictional Wetland Review and Consultation	1	80			40	40	120			24	305	\$62,946	\$1,000		\$2,000	\$3,000	305	\$62,946	\$3,000	\$65,946
5		Final Design Services	80	628	1,080	300	68	144	0	372	24	52	2,748	\$584,779	\$14,000	\$0	\$22,000	\$36,000	2,748	\$584,779	\$36,000	\$620,779
A	BV	Design Team Conference Calls (12)	12	48	24		24			24			132	\$31,261				\$0	132	\$31,261	\$0	\$31,261
B	BV	Design Guidance Manual Minor Update	4	8	8								20	\$4,784				\$0	20	\$4,784	\$0	\$4,784
C	BV	Geotechnical Baseline Report	4	8	8								20	\$4,784				\$0	20	\$4,784	\$0	\$4,784
D	BV	Geotechnical Design Memorandum/GDR	4	8	8								20	\$4,784				\$0	20	\$4,784	\$0	\$4,784
E	PSC	Soils Classifications and Quantities	4	16	40					80			140	\$29,194				\$0	140	\$29,194	\$0	\$29,194
F	AE2S	Utility Coordination	4	120	160					80		20	384	\$81,320				\$0	384	\$81,320	\$0	\$81,320
G	AE2S	Subsurface Utility Engineering											0	\$0				\$0	0	\$0	\$0	\$0
i	AE2S	SUE Surveys	2	12	120	16	24	80		4		20	278	\$53,145	\$6,000		\$9,000	\$15,000	278	\$53,145	\$15,000	\$68,145
ii	AE2S	Vacuum Excavations (5)	2	12	40	0	20	24		4		8	110	\$22,166	\$6,000		\$9,000	\$15,000	110	\$22,166	\$15,000	\$37,166
H	AE2S	Utility Relocations Coordination	2	16	160	120		40		24			362	\$73,267	\$2,000		\$4,000	\$6,000	362	\$73,267	\$6,000	\$79,267
I	AE2S	Permitting	2	60	120	48				60	24	4	318	\$65,560				\$0	318	\$65,560	\$0	\$65,560
J	BV	Pipeline Corrosion Protection System Services											0	\$0				\$0	0	\$0	\$0	\$0



Garrison Diversion Conservancy District

Task Order 5340 - Transmission Pipeline East Ct 4 Final Design Services & Bidding Assistance

BV Project No. 417351

AE2S

Task	Lead Firm	Position	PMVI	PMIV	ENGLI	SRDsn3	PMIII	LSIV	LSI	GISV	COMIII	ADM III	Labor Detail	Labor Detail	Expense Detail	Expense Detail	Expense Detail	TOTAL	TOTAL	TOTAL	TOTAL	
																						AE2S Level of Effort (hrs)
K	BV	System Hydraulic Model Update and Refinement	4	40	16					16			76	\$17,829				\$0	76	\$17,829	\$0	\$17,829
L	BV	Pipeline Basis of Design Memorandum Update	4	40	16					16			76	\$17,829				\$0	76	\$17,829	\$0	\$17,829
M	BV	Front-End Documents Customization	4	32	16								52	\$12,537				\$0	52	\$12,537	\$0	\$12,537
N	BV	60-Percent CDs (Level 2 Design) (1 2-dy trp; x2)	4	40	80	40				16			180	\$38,787				\$0	180	\$38,787	\$0	\$38,787
O	BV	90-Percent CDs (Level 3 Design) (1 2-dy trp; x2)	4	40	120	60				16			240	\$50,820				\$0	240	\$50,820	\$0	\$50,820
P	BV	100-Percent CDs (1 2-dy trp; x1)	4	40	80	8				16			148	\$31,966				\$0	148	\$31,966	\$0	\$31,966
Q	BV	Final Sealed and Signed CDs	4	24	40	8				16			92	\$20,063				\$0	92	\$20,063	\$0	\$20,063
R	BV	Opinions of Probable Construction Cost	4	24	24								52	\$12,025				\$0	52	\$12,025	\$0	\$12,025
S	BV	Quality Assurance/Quality Control	8	40									48	\$12,659				\$0	48	\$12,659	\$0	\$12,659
6		Bidding Assistance (Contract 4A)	8	70	56	0	12	24	0	0	16	0	186	\$40,757	\$1,500	\$500	\$0	\$2,000	186	\$40,757	\$2,000	\$42,757
A	BV	Advertisement and Bid Letting											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Finalize Front-End Documents											0	\$0				\$0	0	\$0	\$0	\$0
ii	BV	Invitation to Bid											0	\$0				\$0	0	\$0	\$0	\$0
iii	BV	Production of Contract Documents											0	\$0				\$0	0	\$0	\$0	\$0
iv	BV	Pre-bid Conference (virtual)		8									8	\$2,066				\$0	8	\$2,066	\$0	\$2,066
v	BV	Interpretation of Bidding Documents		24	24								48	\$10,861				\$0	48	\$10,861	\$0	\$10,861
vii	BV	Update Cost Opinion and Furnish OPCC											0	\$0				\$0	0	\$0	\$0	\$0
viii	AE2S	Bid Opening	2	12									14	\$3,681	\$500			\$500	14	\$3,681	\$500	\$4,181
B	BV	Pre-award Services											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Questionnaires		2	4								6	\$1,294				\$0	6	\$1,294	\$0	\$1,294
ii	BV	Qualifications of Apparent Successful Bidder	2	4	4								10	\$2,392				\$0	10	\$2,392	\$0	\$2,392
iii	BV	Bid Tabulations		2	4								6	\$1,294				\$0	6	\$1,294	\$0	\$1,294
iv	BV	Review of Contractor's Bonds, Insurance, etc.	2	2	4								8	\$1,875				\$0	8	\$1,875	\$0	\$1,875
C	BV	Post-award Services											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Prepare Issued-for-Construction CDs		4	4								8	\$1,810				\$0	8	\$1,810	\$0	\$1,810
ii	BV	Sched & Mod Preconst Conf (1 3-dy trp; x2)	2	12	12		12	12					50	\$11,065	\$500			\$500	50	\$11,065	\$500	\$11,565
iii	AE2S	Obtain Drone-Based Video						12			16		28	\$4,418	\$500	\$500		\$1,000	28	\$4,418	\$1,000	\$5,418
7		Bidding Assistance (Contract 4B)	8	70	56	0	12	24	0	0	16	0	186	\$40,757	\$1,500	\$500	\$0	\$2,000	186	\$40,757	\$2,000	\$42,757
A	BV	Advertisement and Bid Letting											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Finalize Front-End Documents											0	\$0				\$0	0	\$0	\$0	\$0
ii	BV	Invitation to Bid											0	\$0				\$0	0	\$0	\$0	\$0
iii	BV	Production of Contract Documents											0	\$0				\$0	0	\$0	\$0	\$0
iv	BV	Pre-bid Conference (virtual)		8									8	\$2,066				\$0	8	\$2,066	\$0	\$2,066
v	BV	Interpretation of Bidding Documents		24	24								48	\$10,861				\$0	48	\$10,861	\$0	\$10,861
vii	BV	Update Cost Opinion and Furnish OPCC											0	\$0				\$0	0	\$0	\$0	\$0
viii	AE2S	Bid Opening	2	12									14	\$3,681	\$500			\$500	14	\$3,681	\$500	\$4,181
B	BV	Pre-award Services											0	\$0				\$0	0	\$0	\$0	\$0



Garrison Diversion Conservency District

Task Order 5340 - Transmission Pipeline East Ct 4 Final Design Services & Bidding Assistance

BV Project No. 417351

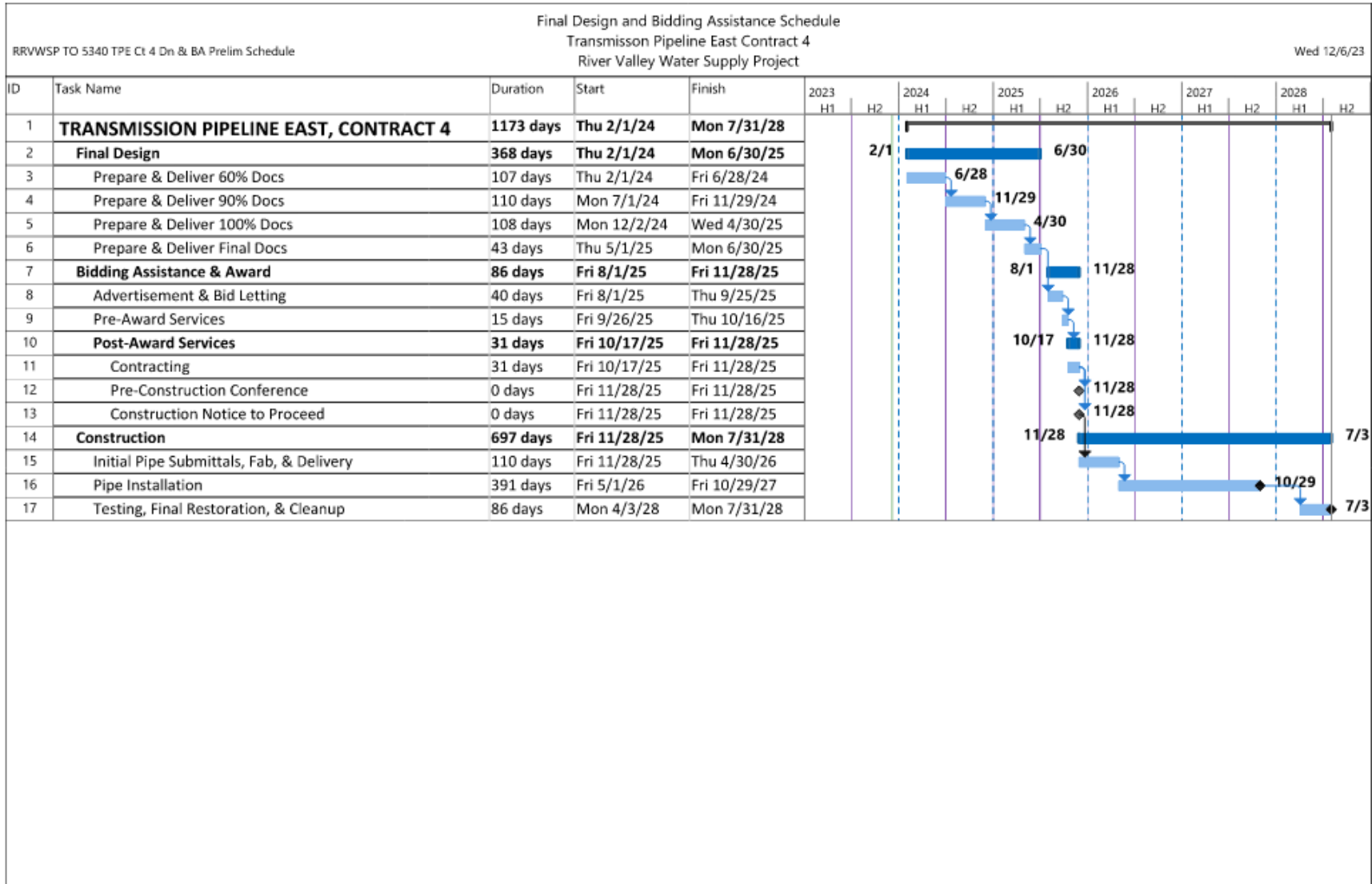
AE2S

Task	Lead Firm	Position	PMVI	PMIV	ENGI	SRDSn3	PMIII	LSIV	LSI	GISV	COMIII	ADM III	Labor Detail	Labor Detail	Expense Detail	Expense Detail	Expense Detail	TOTAL	TOTAL	TOTAL	TOTAL	
			Principal	Project Manager	Staff Engineer	CAD Tech	Surveyor Manager	Land Surveyor	Land Surveyor	GIS	Communications	Admin	AE2S Level of Effort (hrs)	Labor Cost	Travel	Misc	Survey Equip	Total Expense	AE2S Level of Effort (hrs)	AE2S Labor Cost	Direct Expense	Fee
i	BV	Questionnaires		2	4								6	\$1,294				\$0	6	\$1,294	\$0	\$1,294
ii	BV	Qualifications of Apparent Successful Bidder	2	4	4								10	\$2,392				\$0	10	\$2,392	\$0	\$2,392
iii	BV	Bid Tabulations		2	4								6	\$1,294				\$0	6	\$1,294	\$0	\$1,294
iv	BV	Review of Contractor's Bonds, Insurance, etc.	2	2	4								8	\$1,875				\$0	8	\$1,875	\$0	\$1,875
C	BV	Post-award Services											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Prepare Issued-for-Construction CDs		4	4								8	\$1,810				\$0	8	\$1,810	\$0	\$1,810
ii	BV	Sched & Mod Preconst Conf (1 3-dy trp; x2)	2	12	12		12	12					50	\$11,065	\$500			\$500	50	\$11,065	\$500	\$11,565
iii	AE2S	Obtain Drone-Based Video						12			16		28	\$4,418	\$500	\$500		\$1,000	28	\$4,418	\$1,000	\$5,418
8		Bidding Assistance (Contract 4C)	8	70	56	0	12	24			16	0	186	\$40,757	\$1,500	\$500	\$0	\$2,000	186	\$40,757	\$2,000	\$42,757
A	BV	Advertisement and Bid Letting											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Finalize Front-End Documents											0	\$0				\$0	0	\$0	\$0	\$0
ii	BV	Invitation to Bid											0	\$0				\$0	0	\$0	\$0	\$0
iii	BV	Production of Contract Documents											0	\$0				\$0	0	\$0	\$0	\$0
iv	BV	Pre-bid Conference (virtual)		8									8	\$2,066				\$0	8	\$2,066	\$0	\$2,066
v	BV	Interpretation of Bidding Documents		24	24								48	\$10,861				\$0	48	\$10,861	\$0	\$10,861
vii	BV	Update Cost Opinion and Furnish OPCC											0	\$0				\$0	0	\$0	\$0	\$0
viii	AE2S	Bid Opening	2	12									14	\$3,681	\$500			\$500	14	\$3,681	\$500	\$4,181
B	BV	Pre-award Services											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Questionnaires		2	4								6	\$1,294				\$0	6	\$1,294	\$0	\$1,294
ii	BV	Qualifications of Apparent Successful Bidder	2	4	4								10	\$2,392				\$0	10	\$2,392	\$0	\$2,392
iii	BV	Bid Tabulations		2	4								6	\$1,294				\$0	6	\$1,294	\$0	\$1,294
iv	BV	Review of Contractor's Bonds, Insurance, etc.	2	2	4								8	\$1,875				\$0	8	\$1,875	\$0	\$1,875
C	BV	Post-award Services											0	\$0				\$0	0	\$0	\$0	\$0
i	BV	Prepare Issued-for-Construction CDs		4	4								8	\$1,810				\$0	8	\$1,810	\$0	\$1,810
ii	BV	Sched & Mod Preconst Conf (1 3-dy trp; x2)	2	12	12		12	12					50	\$11,065	\$500			\$500	50	\$11,065	\$500	\$11,565
iii	AE2S	Obtain Drone-Based Video						12			16		28	\$4,418	\$500	\$500		\$1,000	28	\$4,418	\$1,000	\$5,418
PROJECT TOTALS			298	1,534	1,552	324	328	536	200	888	202	240	6,102	\$1,288,102	\$60,000	\$1,500	\$48,000	\$109,500	6,102	\$1,288,102	\$109,500	\$1,397,602

ATTACHMENT F

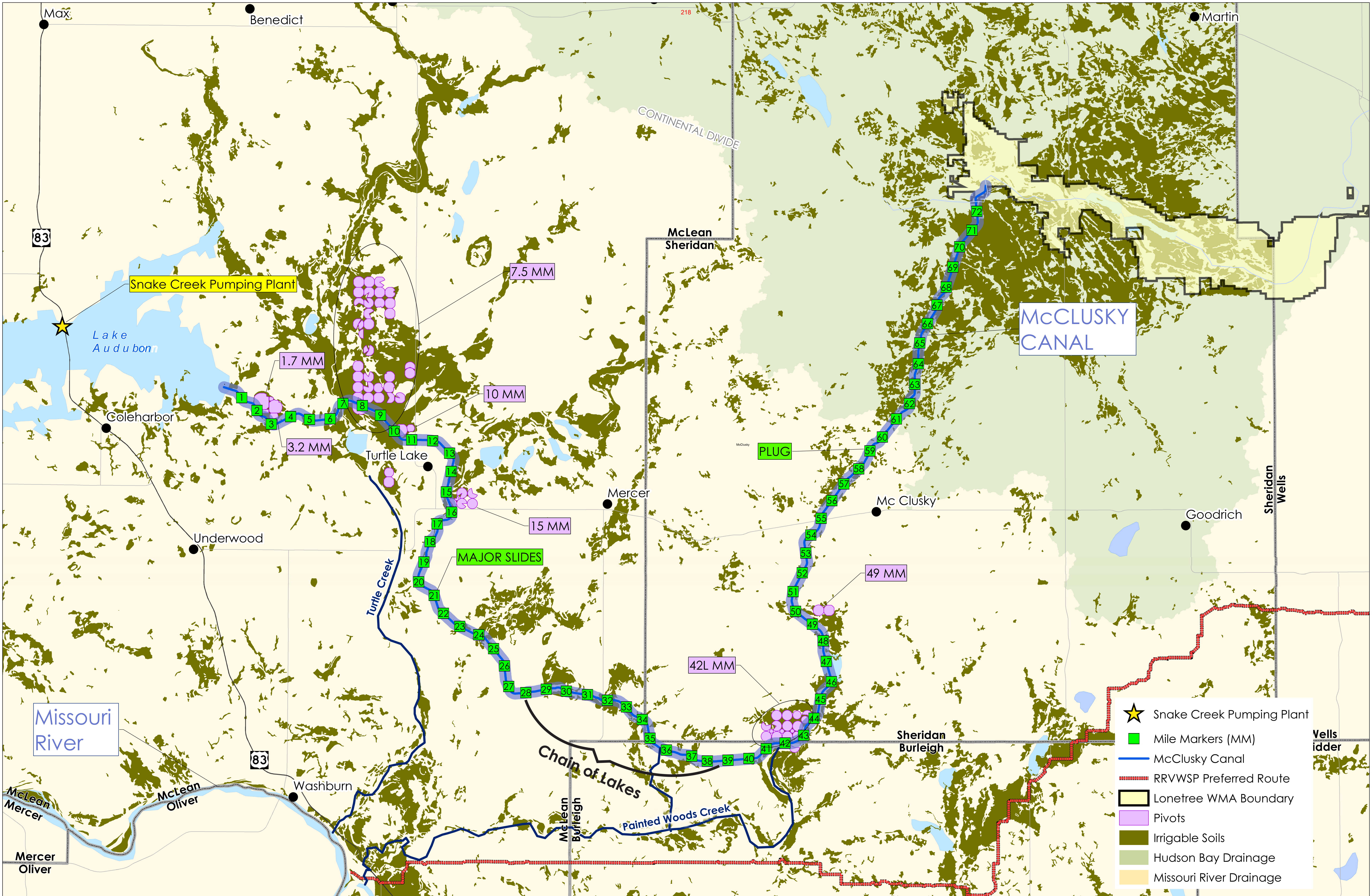
FINAL DESIGN AND BIDDING ASSISTANCE SCHEDULE

DRAFT



Red River Valley ~~2017~~ Water Supply Project
Planning Level Budget

November 30, 2023	Percent Complete	Current Estimate	Actual Expenses	Outstanding Expenses
Conceptual Design Subtotal		\$ 5,302,130	\$ 5,302,130	\$ -
Preliminary Design Subtotal		\$ 10,217,606	\$ 10,217,606	\$ -
Final Design Completed Subtotal		\$ 10,198,949	\$ 10,198,949	\$ -
Financial, Administration, Legal, Completed		\$ 1,397,474	\$ 1,397,474	\$ -
Land Acquisition Completed		\$ 1,593,004	\$ 1,593,004	\$ -
Subtotal Completed		\$ 28,709,162	\$ 28,709,162	\$ -
Financial Modeling/Cost Allocation	91%	\$ 1,521,047	\$ 1,381,644	\$ 139,403
Program Management Information System	93%	\$ 113,100	\$ 105,434	\$ 7,666
Stakeholder Support	99%	\$ 398,830	\$ 392,874	\$ 5,956
Subtotal	92%	\$ 2,032,977	\$ 1,879,952	\$ 153,025
Engineering/Land Acquisitions				
Missouri River Intake - Screen Structure Design	99%	\$ 1,444,000	\$ 1,436,627	\$ 7,373
Land Acquisition 2019/2021	277%	\$ 650,000	\$ 1,802,277	\$ (1,152,277)
2019 to 2021 Biennium Program Management Services	100%	\$ 166,191	\$ 166,191	\$ (0)
Project Planning, Finance, Admin, etc.	74%	\$ 433,809	\$ 319,161	\$ 114,648
Final Design Transmission Pipeline - 5b	100%	\$ 545,000	\$ 545,000	\$ (0)
Final Design Transmission Pipeline - 5c & 5d	92%	\$ 970,000	\$ 895,820	\$ 74,180
Final Design Transmission Pipeline - 6	83%	\$ 4,000,000	\$ 3,334,306	\$ 665,694
Geotech Transmission Pipeline - 7	61%	\$ 397,000	\$ 243,326	\$ 153,674
Acquire Easements	17%	\$ 2,919,000	\$ 500,934	\$ 2,418,066
Admin/Finance/Legal	65%	\$ 2,739,677	\$ 1,772,954	\$ 966,723
Financial Modeling/Cost Allocation	97%	\$ 528,000	\$ 514,216	\$ 13,784
Pipeline Extensions	76%	\$ 436,000	\$ 331,730	\$ 104,270
Financial/Legal/Stakeholder	0%	\$ 583,093		\$ 583,093
Operational Plan Phase 1	100%	\$ 106,000	\$ 106,000	\$ -
Operational Plan Phase 2	89%	\$ 430,584	\$ 381,586	\$ 48,998
PMIS Procurement & Implementation	66%	\$ 498,000	\$ 328,488	\$ 169,512
Contractor Qualifications	70%	\$ 158,000	\$ 110,934	\$ 47,066
ENDAWS Land Services	49%	\$ 181,750	\$ 89,560	\$ 92,190
ENDAWS-Local Portion	59%	\$ 309,750	\$ 183,466	\$ 126,284
Engineering & Land Acquisition Subtotal		\$ 14,756,177	\$ 11,289,622	\$ 3,466,555
Construction				
Pipeline 5A & Trenchless	93%	\$ 10,155,978	\$ 9,418,636	\$ 737,342
Construction Contract	100%	\$ 8,393,396	\$ 8,393,396	\$ (0)
Bidding Services	100%	\$ 75,621	\$ 75,621	\$ 0
Construction Phase Services	109%	\$ 868,145	\$ 949,618	\$ (81,473)
Contingency	<i>if needed</i>	\$ 818,816	\$ -	\$ 818,816
Discharge Structure	72%	\$ 2,436,800	\$ 1,750,168	\$ 686,632
Construction Contract	100%	\$ 1,521,884	\$ 1,521,884	\$ 0
Bidding Services	100%	\$ 40,736	\$ 40,736	\$ 0
Construction Phase Services	97%	\$ 193,000	\$ 187,549	\$ 5,451
Contingency	<i>if needed</i>	\$ 681,180	\$ -	\$ 681,180
Missouri River Intake Wetwell	94%	\$ 5,690,495	\$ 5,370,109	\$ 320,386
Construction Contract	95%	\$ 4,950,907	\$ 4,721,446	\$ 229,461
Bidding Services	100%	\$ 36,662	\$ 36,662	\$ (0)
Construction Phase Services	100%	\$ 612,000	\$ 612,000	\$ (0)
Contingency	<i>if needed</i>	\$ 90,926	\$ -	\$ 90,926
Missouri River Intake Screen Structure & Tunnel	94%	\$ 23,495,616	\$ 22,026,131	\$ 1,469,485
Construction Contract	93%	\$ 20,910,616	\$ 19,444,166	\$ 1,466,450
Construction Phase Services	100%	\$ 2,585,000	\$ 2,581,965	\$ 3,035
Contingency	<i>if needed</i>	\$ -	\$ -	\$ -
Pipeline 5B	53%	\$ 51,600,000	\$ 27,260,116	\$ 24,339,884
Construction Contract	54%	\$ 44,644,077	\$ 23,983,629	\$ 20,660,448
Construction Phase Services	73%	\$ 4,486,000	\$ 3,276,486	\$ 1,209,514
Contingency	<i>if needed</i>	\$ 2,469,923	\$ -	\$ 2,469,923
Pipeline 5C				
Pre-Construction Services		\$ 26,825	\$ 26,825	\$ -
Pipeline 4				
Pre-Construction Services		\$ 8,280	\$ 8,280	
Construction Subtotal	71%	\$ 93,413,994	\$ 65,860,265	\$ 27,553,729
Total Program Budget	78%	\$ 138,912,310	\$ 107,739,002	\$ 31,173,309



McCLUSKY CANAL

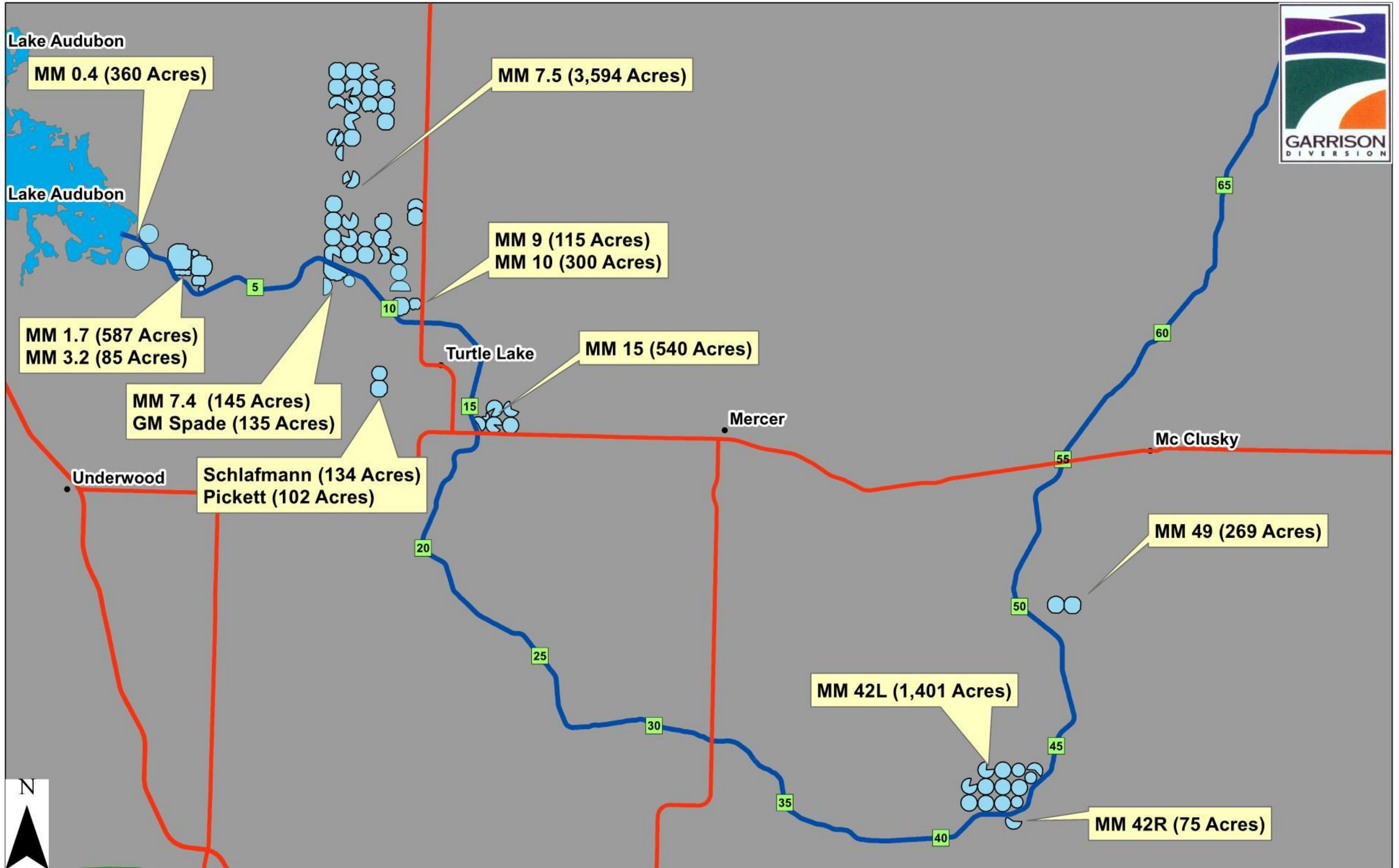
Date: 2/15/2019



Edited by: hrecords
Imagery 2015 NAIP

Coordinate System: UTM Zone 14N

C:\Data\Projects\WAFS\B\Black & Veatch\00200-2017-028\GIS\McClusky Canal Irrigable Lands.mxd



Bureau of Reclamation Activities

Garrison Diversion Executive Board of Directors Meeting
December 14, 2023

Municipal, Rural, and Industrial Program

Rural Water Budgets:

Rural Water Budgets	Final FY 2023*	FY2024*
GDU	38.425	42.224**
State	15.450	10.000
Tribe	22.975	5.224
Lewis & Clark	78.601	13.825
Fort Peck	15.000	0
Rocky Boys	97.321	19.946
Musselshell- Judith	27.600	3.000
E NM	96.140	7.051
Jicarilla	19.000	10.010
Total	372.087	122.804

*Includes BIL funding and additional earmarked funding

** Distribution of \$27M BIL has not been decided.

State Municipal Rural and Industrial Program

Northwest Area Water Supply (NAWS)

Construction is ongoing for the Biota Water Treatment Plant (WTP) Phase I (Contract 7-2A/4-1A), Snake Creek Pumping Plant Intake Modification (Contract 6-1A), and the South Prairie Reservoir and Hydraulic Control Structure (Contract 5-1A/B). The Biota WTP Phase I construction is 90+% complete; however, the startup of the Biota WTP has been delayed. The Snake Creek Pumping Plant (SCPP) Intake Modification project includes numerous submittals which is delaying the project; but the demolition and discharge contracts of the project are proceeding. The South Prairie Reservoir contract is 80+% complete and work will be ongoing into the spring of 2024.

Contract 4-4B/5-4B Bottineau Reservoir and Pump Station and Contract 2-1E Snake Creek Pumping Plant Discharge Pipeline contracts have been awarded. Work on the Bottineau Reservoir & Pump Station began in September and will continue as the weather allows. Work will restart in the Spring of 2024. Work on the SCPP Discharge Pipeline also started this fall but has been delayed as the sponsor works through permit issues with the Army Corps of Engineers. The Minot WTP Phase III (Contract 7-1C) and the Souris Reservoir & Pump Station (Contract 4-4A/5-4A) projects are in the design phase.

Reclamation has collaborated with the Department of Water Resources and the City of Minot to prepare an Operations & Maintenance agreement for the NAWS Biota Water Treatment Plant. The Department of Water Resources and the City of Minot are parties to this agreement, with Reclamation. Reclamation is in the process of sending the Memorandum of Agreement to the parties for signature. Reclamation is drafting a cooperative agreement between Reclamation and the Department of Water Resources which will be the funding mechanism by which Reclamation can provide Federal funds for the Operations and Maintenance of the Biota Water Treatment Plant.

Reclamation is preparing responses to comments on the draft Adaptive Management Plan received from Adaptive Management Team members. Reclamation will revise the draft Plan as appropriate and share it with team members. Another team meeting will be scheduled this winter.

Eastern North Dakota Alternate Water Supply (ENDAWS)

Reclamation, Garrison staff, and Garrison's consultant are coordinating with the U.S. Fish & Wildlife Service on proposed pipeline routes. Discussions on this topic continue to ensure compliance with National Environmental Policy Act (NEPA) commitments. The purchase of easements for this project has been included in the cooperative agreement (R17AC00049) as an approved activity.

Southwest Pipeline Project

Contract 1-2A, Supplementary Raw Water Intake – The marine and pipe contractors encountered some unanticipated issues with the horizontal drilling. Additional geotechnical assessments may be needed. The Department of Water Resources is working with the contractor on a claim filed and a path forward with this project.

Cooperative Agreement

Reclamation and Garrison Diversion's working relationship for the State Municipal, Rural, and Industrial (MR&I) Program is defined by the terms of a Cooperative Agreement (R17AC00049). Eighteen modifications have been completed for this agreement for the purposes of adding construction projects, engineering projects, and/or obligating funds to the agreement. A modification to this agreement will be initiated once the FY2024 appropriation funding amount is known.

Another cooperative agreement (R23AC00093) was executed in June 2023 to obligate Bipartisan Infrastructure Law (BIL) funds and included design and construction tasks associated with Phase II of the NAWS Biota Water Treatment Plant in the scope of work. The first modification to this agreement was executed in September 2023, to obligate the FY23 BIL funding (\$5,000,000) and add the Bottineau Reservoir and Pump Station contract and the Snake Creek Pumping Plant Discharge Pipeline contract to the scope of work of the agreement. A second modification to this agreement will be initiated when FY2024 BIL funding allocation is known.

Buy America Waiver

On November 9, 2023, Reclamation sent an email to Garrison Diversion and Department of Water Resources stating Reclamation's decision that the NAWS Biota WTP Phase I project does not require a Buy America waiver. Further explanation is in the email. The FY2023 appropriated funds provided for this contract can be expended.

Reclamation is also pursuing a Rural Water Program waiver that would exempt all Reclamation's authorized rural water programs from the Buy America requirements. On September 28, 2023, the Department of the Interior submitted this program waiver to the Office of Management and Budget for their consideration and public review process. DKAO will provide updates on this waiver request as we receive additional information.

Indian MR&I Program

Standing Rock MR&I System

The Tribe has awarded the Standing Rock Water Treatment Plant Membrane Equipment Procurement project to WesTech Engineering, Inc., from Salt Lake City, Utah, in the amount of \$1,033,556.51. These ceramic membranes will be used to increase the water treatment capacity of the Standing Rock Water Treatment Plant from 3 MGD to 5 MGD. Bartlett & West is the engineer for this project. Change Order No. 1 has been processed, upgrading clean in place (CIP) and backwash pumps and increased the contract by \$117,391.78 for a total contract price of \$1,150,948.29. Bartlett & West has designed and prepared plans and specifications for the installation of the procured membranes. The installation contract was bid on February 11, 2021, with no bidders. The Installation Contract was readvertised with a bid opening of March 16, 2021. The Installation Contract received three bids with the low bid coming from American General Contractors, Inc. of Valley City, North Dakota in the amount of \$2,021,350.87. Notice to Proceed was issued on August 5, 2021. The Substantial Completion Date is March 31, 2022. Due to several of the construction supplies having long lead times, the Substantial Completion date will not be met. The ceramic membranes were delivered to the Standing Rock Water Treatment Plant on November 16, 2021. The latest update to the construction schedule indicates a completion in December 2023.

The demolition of the Fort Yates Water Treatment Plant and intake was advertised on October 29, 2021, with a bid opening held on November 30, 2021. There was one bid received in the amount of \$2,961,634.91 from Wagner Construction. This bid is \$1,471,928.36 below the Technical Service Center engineer's estimate of \$4,433,563.27. The work includes the demolition of the Water Treatment Plant and associated features, the demolition of the intake site, and the reclamation of the lagoons and ponds. These features have been decommissioned from the Standing Rock Rural Water System and no longer serve a purpose. The Technical Service Center completed the 100 percent plans and specifications, and the Tribe's engineer, Bartlett & West, is administering the contract. The award of the Fort Yates Demolition project to Wagner Construction was approved at the February 2022 Tribal Council meeting and contract documents have been executed. A pre-construction conference was held on March 30, 2022. Construction began with reclamation of the lagoons and ponds in late October 2022 and continued into December when Wagner shut down due to adverse weather conditions. Wagner's construction crew was back on site in May 2023 working on the pond/lagoon area. Demolition

of the WTP building started in August 2023. All demolition work has been completed and the last of the slime sludge has been removed from the site. The pre-final inspection occurred on October 13, 2023.

Construction Contract 4-1 Schedule 1 was bid on July 7, 2022, with two bidders. The low bidder was Carstensen Contracting with a bid of \$4,147,931.08. This project includes installation of approximately 126,420 lineal feet of 2 inch through 4 inch diameter ASTM D2241 gasketed joint Polyvinyl Chloride (PVC) pipe, connection of 24 services, an 8 inch water line relocation, wet tap tie-ins, road and stream crossings and all other related appurtenances. The final completion date is July 31, 2023. Carstenson Contracting started construction in late October 2022 and worked into December when they had to shut down due to adverse weather conditions. Carstenson started construction again June 5, 2023. Carstenson worked through the summer and substantial completion was issued on November 12, 2023.

Construction Contract Kenel to State Line project was bid on April 22, 2022, with Storms Construction as the only bidder. Storms Construction's bid of \$5,330,759.91 was \$253,080.09 lower than the engineer's estimate. Reclamation has a cost share in this project of \$144,500. The remaining funding was a U.S. Department of Agriculture (USDA) grant. This project includes installation of 54,013 feet of 6 inch PVC Standard Dimension Ratio (SDR) 17 water main, 1,458 feet of 12 inch yelomine directional drilled casing, 4,845 feet of 6 inch high density polyethylene (HDPE) directionally drilled piping, 36 air release valve pits with 560 feet of 1 inch PE 250 psi piping, 1 inch corporation stops and 1 inch curb stops, 2 pressure reducing valve vaults, 18 - 6 inch gate valves, 13 - 1 inch stainless steel saddle with 1 inch corporation stop, 14 - 1 inch curb stops, 1,294 feet of 1 inch HDPE 250 psi, 1,120 feet of 1 inch HDPE 200 psi, 1 - 1 ½ inch stainless steel saddle with corporation stop, 1 - 1 ½ inch curb stop, 940 feet 1 ½ inch PVC SDR 17, 15 meter pits, 6 - 2 inch flush hydrants, 100 feet of 1 inch HDPE non cased directional drilling, 1,000 feet of 2 inch HDPE non cased directional drilling, 7,200 feet of 4 inch PVC SDR 17, 4 inch gate valve, 4 inch flush hydrant, 85 feet of 8 inch yelomine bored casing, 388 feet of 4 inch yelomine bored casing and related materials and appurtenances. The pre-construction conference was held on August 4, 2022, and the notice to proceed was issued on August 10, 2022. The contract documents indicate the final completion date shall be no later than 250 calendar days after the notice to proceed. Storms Construction began installing the pipeline in August 2022. Storms Construction mobilized the first week of May 2023 and has continued installation of the rural water line through the summer. The lines have all been installed and the contractor is working on disinfecting, flushing, and testing the lines.

Spirit Lake MR&I System

Preliminary design and right-of-way acquisitions continued on several projects including: Tokio Service Area, Service to Warwick School, and Warwick Service Area.

Fort Totten Community Upgrades' design has been completed by Indian Health Service (IHS). The project was bid in May, after the Grant of Right of Way was received from the Bureau of Indian Affairs (BIA). The low bidder was Storms Construction with a bid of \$3,106,992.07. The pre-construction conference was held on October 21, 2022. Storms Construction began construction on May 8, 2023, fusing pipe for directional drilling. The final completion date for this contract is October 31, 2023.

Reclamation staff has continued to work with the Tribe's operators to help resolve operation and maintenance issues with the B6 Booster Station, the St. Michael control vault, the Water Treatment Plant and most recently are working with North Dakota Water Resources and North Dakota Game and Fish to explore service options for the town of Oberon and the White Horse Hill Game Preserve.

Fort Berthold Rural Water System (FBRWS)

The Tribe-FBRW has a growing need for temporary MR&I raw water intakes throughout the reservation. Reclamation will submit permit applications to the U.S. Army Corps of Engineers for temporary intakes as sites become known and adequate information is available to do so.

The Tribe-FBRW was awarded \$54.38 million of Infrastructure Investment and Jobs Act (IIJA) - Bipartisan Infrastructure Law (BIL) Aging Infrastructure (AI) funds. Since the Tribe requested to enter a 638 contract for those AI funds, Reclamation is developing that contract. A Management Standards Review is needed prior to Reclamation entering into a new contract. The Review was conducted in July, with the results being reported to the Tribe on October 18; a draft findings letter was distributed and emailed for the Tribes' review and comment. IHS awarded BIL funds to the Tribe for projects that Reclamation also awarded BIL funds for. The Tribe passed resolutions to fund some projects using non-Federal funds.

Each of the six Segment Representatives have plans for significant development in their Segments. When funds from Reclamation are not available, then other sources (Tribal dollars) would be used to cover the costs. Projects using non-Federal Tribal funds are anticipated to be conducted in a manner that meet Federal requirements, making the costs reimbursable if a new Dakota Water Resources Act construction ceiling is authorized.

The programmatic Environmental Assessment is nearly complete for the Fort Berthold Rural Water System. It is anticipated to be finalized in December 2023.

Turtle Mountain Rural Water System

Contract 3-2 Membrane Treatment Improvements - The membrane treatment project will address the formation of disinfection by-products caused by an organic component in the source ground water. Project re-advertised in September 2019, with two responsible bidders submitting bids, with apparent low bidder being approximately \$1 million over. Consultant negotiated with low bidder, and project was awarded in July 2020. Construction began fall 2020 with the project expected to complete start up in December 2023.

Contract 2-4 Thorne Reservoir and Booster Station – This project includes the construction of a 500,000-gallon raw water reservoir and booster pumping station, which will help to meet pressure and quantity demands on the system and will increase the efficiencies of the well field pumps. This project was advertised spring 2020, with all bids being \$3 million plus above engineer's estimate. Consultant amended the Plans & Specs, and re-advertised fall 2020. Negotiations with contractor took place with the project being awarded spring 2021. Substantial completion planned for December 2023.

Contract 1-10 Highway 43 Corridor Phase 3 – This project continues to add main line and service connections along Highway 43 west of the Lake Upsilon area (Phase 2). This project will complete a loop in the system to ensure reliable service to the community. Design is complete. Turtle Mountain worked with Rollet County as a project sponsor to secure North Dakota state grant funding. Project was advertised and awarded on August 10, 2022, with construction taking place this summer and construction being approximately 50 percent complete before winter shut down. Project has reached substantial completion.

Contract 4-2 Belcourt Sewer and Water Phase 4 – This project will replace aging existing water and sewer lines within Belcourt. It does not have any Bureau of Reclamation funding. It was awarded and began construction in May 2022. Construction began summer 2022 and is near substantial completion.

Contract 4-3 Belcourt Sewer and Water Phase 5 – This project will replace aging existing water and sewer lines within Belcourt. This project received \$4 million in Aging Infrastructure Funding. It was advertised and awarded to Marion Contracting for \$6,335,487. Project currently under construction.

Contract GP-20-J85 San Haven Water Main Replacement – Replacement of water main in the vicinity of San Haven. Plans and Specs were delivered to Reclamation for review, and comments were provided. The project was advertised and awarded in July 2022 with the project nearing substantial completion.

Trenton Indian Service Area

The Hilltop Water and Sewer Replacement and Pressure Reducing Valve (PRV) Vault project was awarded to Teraflex Group, LLC for \$495,835 and construction work was started summer 2018. The project installed 2539 LF of water line and will replace the existing Booster Station B with a PRV to connect to the existing Western Area Water Supply mainline. User agreement with Western Area Water Supply is still being negotiated, with work on the PRV to be completed when agreement is finalized.

Principal Supply Works

Repayment Contract

Reclamation continues to collaborate with Garrison Diversion on the Municipal and Industrial (M&I) pricing for the capital repayment of the Garrison Diversion Unit Project. On June 29, 2022, Regional Director presented Garrison Diversion with a repayment cost of \$47,501 per cubic feet per second. Garrison Diversion did not accept the repayment cost presented and will be coordinating with North Dakota congressional staff for protentional legislation.

Snake Creek Pumping Plant (SCPP)

Reclamation continues discussion with the U.S. Army Corps of Engineers on the Snake Creek embankment foundation concerns. Reclamation has signed to be a cooperating agency with the Corps of Engineers in preparing their Dam Safety Modification Study and National Environmental Policy Act (NEPA) review. The preferred alternative removes the 43 feet

reservoir restriction and focuses any future reservoir restrictions to be based on embankment performance data at the time. Reclamation and Garrison Diversion continue to prepare a feasibility design and cost estimate to provide water to Snake Creek Pumping Plant and the McClusky Canal should a Lake Audubon restriction be implemented.

McClusky and New Rockford Canals

Reclamation conducted bridge inspections on October 3-4 for Reclamation owned bridge at SCPP, McClusky and New Rockford Canals.

Irrigation

Jamestown Dam

Jamestown Dam Periodic Facility Review was conducted on September 13, 2023. Fall drawdown to the base flood control pool elevation 1429.8 was completed on October 28, 2023.

Turtle Lake and McClusky Canal Irrigation Areas

Reclamation and Garrison Diversion executed the irrigation repayment contract to increase the 2023 irrigated acres by 595 acres, to a total of 7,842.6. Reclamation amended the repayment contract in September to correct errors in the exhibits. Reclamation is amending the project use power contract to include these acres for the 2024 irrigation season.

Standing Rock Irrigation Project

Tribe's FY23 Aging Infrastructure application through the Bipartisan Infrastructure Law funding for embankment stabilization geotechnical study at Eagle Unit was awarded. Tribe decided to modify existing 638 contract and started contract modification process. Data collected will be used for evaluating permanent repair options of the embankment in the future. Tribe is submitting a FY24 Aging Infrastructure application for buried power line replacement at the Fort Yates unit. At Eagle Unit a pipeline inspection of the 30" pipe to determine the integrity of it is in the schedule, since it has not been inspected since installation in 1985. Reclamation has worked with the Tribe and their irrigator to develop a long-term plan that addresses the future of their three irrigation units. This plan is being used to explore the availability of funds to complete their efforts.

Recreation Development

Chain of Lakes

Connected with staff at Knife River. Still interested in an Interagency (IAA) but need to work out the details. Will reach out again in early January.

In discussion with GDCD about project planning for FY24.

Work at Hoffer Lake is still being completed and moving forward smoothly. Issues with the Automated Standard Application for Payments (ASAP) system have been resolved.

Data from the season is now being analyzed and prepared for presentation to state parks.

North Dakota Natural Resources Trust

No new updates.

Wildlife Program

Lonetree

Budgets and workplans for FY 24 have been received by Reclamation. Funding mod is with Region.

Audubon

Budgets and workplans for FY 24 have been received by Reclamation. Funding mod is with Region.

Arrowwood

The electric fish barrier annual maintenance inspection was completed October 11, 2023. Budgets and workplans for FY 24 have been received by Reclamation. Funding mod is with Region.

Scattered Tracts

Budgets and workplans for FY 24 have been received by Reclamation. Funding mod is with Region.

GARRISON DIVERSION CONSERVANCY DISTRICT					
MR&I Project Construction Report					
November 30, 2023					
Current Funding					
Project	Federal MR&I Funding	Prior MR&I Fund Expenditures	2023 MR&I Fund Expenditures	Total Expenditures	Federal MR&I Funding Remaining
ENDAWS	\$ 3,870,000.00	\$ 240,772.30	\$ 578,303.82	\$ 819,076.12	3,050,923.88
NAWS-Biota Treatment Plant	\$ 60,874,495.85	\$ 35,750,453.72	\$ 15,535,383.28	\$ 51,285,837.00	9,588,658.85
Biota WTP Ultra Violet Reactor	\$ 632,177.30	\$ 362,659.00	\$ 269,518.30	\$ 632,177.30	-
Biota WTP Dissolved Air Flotation Equip	\$ 1,355,750.00	\$ 80,500.00	\$ 1,275,250.00	\$ 1,355,750.00	-
NAWS-Westhope All Seasons III (2-4A)	\$ 3,415,730.00	\$ 3,415,729.46		\$ 3,415,729.46	0.54
NAWS-Glenburn to Renville (2-3C)	\$ 2,689,519.00	\$ 2,689,518.18		\$ 2,689,518.18	0.82
NAWS-Westhope to Souris River (2-4B)	\$ 4,660,000.00	\$ 3,210,130.47		\$ 3,210,130.47	1,449,869.53
NAWS-Souris Corner to Bottineau (2-4C)	\$ 2,943,370.00	\$ 2,943,369.46		\$ 2,943,369.46	0.54
Totals	\$ 80,441,042.15	\$ 48,693,132.59	\$ 17,658,455.40	\$ 66,351,587.99	\$ 14,089,454.16

GARRISON DIVERSION CONSERVANCY DISTRICT
MR&I BIL Agreement Project Construction Report
November 30, 2023

Current Funding

Project	Federal MR&I Funding	Prior MR&I Fund Expenditures	2023 MR&I Fund Expenditures	Total Expenditures	Federal MR&I Funding Remaining
NAWS Biota WTP & Pump Station Ph 2 (7-2B/4-1B)	\$ 26,645,000.00	\$ -	\$ -	\$ -	26,645,000.00
Bottineau Reservoir & Pump Station 4-4B/5-4B	\$ 7,400,000.00				7,400,000.00
Snake Creek Discharge Pipeline (2-1E)	\$ 4,500,000.00				4,500,000.00
Totals	\$ 38,545,000.00	\$ -	\$ -	\$ -	\$ 38,545,000.00

April Board 2016

Ms. Bohn distributed two handouts. The first is entitled World of Water, and she went through it with the board. It lists a number of entities that work together in order to complete a water project, including federal, state, regional, local and statewide agencies/associations. She stressed the importance of everyone working together.

The second handout shows a funding table entitled State Water Funding and Needs: 2015-2017 and Beyond. This lays out the legislative intent of SB2020 that was passed in the 2015 legislative session. Although the Water Coalition does not yet have a proposal, she reviewed the projects and funding amounts in the 2017-2019 column. A copy of the table is attached to these minutes as Annex IX.

Ms. Bohn spoke of the challenges ahead of the Water Coalition. At this time, they are meeting with all of the main projects to figure out what funding is needed. The Coalition would like to have a plan together in June for review, and then the Water Topics Overview Committee meets June 15 and 16.

MR&I PROGRAM

Construction Report - Secretary DeKrey referred to the MR&I construction report dated March 31, 2016. MR&I expenditures in 2016 are \$444,247. Remaining approved federal MR&I funds are \$12,517,410. A copy of the report is attached to these minutes as Annex X.

The board recessed at 5 p.m. and reconvened at 8:30 a.m. on April 22.

BOARD POLICY CHANGES

Chapter 1, Section 1.8 - - Amendment or Suspension of Policy

Ms. Norgard reviewed the existing language in Chapter 1, Section 1.8, which currently states that the board must be given at least a two-week advance notice of the intent to change board policy. She referred to and reviewed a copy of the proposed resolution changing the advance notice to five calendar days.

Chapter 5, Section 5.11 - - Spending Authorization

Ms. Norgard reviewed the existing language in Chapter 5, Section 5.11, regarding the general manager's spending authorization. Typically, the general manager has the authority to approve expenditures within the board-approved budget. She referred to the proposed resolution changing the policy so that expenditures that are under \$75,000 and not within the board-approved budget can be approved by the general manager. Anything above \$75,000 and not within the board-approved budget must be formally approved by the board.

The resolution is attached to these minutes as Annex XI.

Motion by Director Koeser to approve of the resolution regarding Board Policy changes to Chapter 1, Sections 1.8, Amendment or Suspension of Policy and Chapter 5, Section 5.11, Spending Authorization. Second by Director Krivarchka. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, R. Anderson, Bischoff, Breker, Cayko, Cook, Flaagan, Haak, Hanretty, Johnson, Kaiser, Klosterman, Koeser, Krivarchka, Metzger, Peyerl, Rogers, Royse, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Fenstad, Krueger, Ongstad, Schindler, Wakefield and Wendel. Motion carried.

2023 ACCOMPLISHMENTS

Garrison Diversion Conservancy District

1) Federal/National

- a) Met with Brent Esplin, Regional Director of Bureau of Reclamation, 5 times
- b) Held multiple meetings with Congressional Delegation to provide updates on RRVWSP and GDCD
- c) Attended NWRA 92 Annual Conference
- d) Attended NWRA Leadership Forum
- e) Attended Family Farm Alliance Conference
- f) Attended NRWA WaterPro Conference
- g) Attended NWRA Federal Water Issues Conference
- h) Met with Commissioner Touton 3 times
- i) Attended NWRA Western Water Seminar
- j) Attended 2 Groundwater Management District Association Conferences
- k) Attended International Red River Watershed Conference
- l) Received BABA waiver for NAWS
- m) Working with DWR, Sen. Hoeven and tribal leaders on increasing the MR&I authorization
- n) Developed language for S. 461

2) MR&I Program

- a) Maintained communications with State Water Commission, ND Rural Water Systems Association and League of Cities
- b) Participated in 3 water supply funding agency meetings
- c) Distributed \$17.6 million from the MR&I Fund
- d) Awarded \$14.58 million to MR&I projects
- e) Awarded \$314,688 in Water Supply Assistance Grant funds
- f) Secured \$1.5 million for ENDAWS
- g) Signed BIL Cooperative Agreement with Bureau of Reclamation

3) Agriculture and Irrigation Development

- a) Hosted Irrigation Appreciation supper
- b) Provided \$167,865 for irrigation trials
- c) Provided \$25,000 to support the ND Irrigation Association
- d) Provided \$3,627 towards irrigation development
- e) Provided \$16,083 for the Robert Titus Lease
- f) Approved a 2023 budget of \$167,865 for OIRS, plus \$653,800 to construct a building
- g) Spent \$358,891 to date on OIRS building
- h) Participated in groundbreaking for building at the OIRS
- i) Presented at ND Water Convention Irrigation Workshop
- j) Supported the NDIA to secure a 75% cost share and increase in Ag PACE buydown cap for irrigators

- k) Issued Irrigation Repayment to the Bureau of Reclamation to buy out RRA acres

4) Red River Valley Water Supply Project

- a) Provided support for Lake Agassiz Water Authority
- b) Facilitated 5 Lake Agassiz Water Authority meetings
- c) Facilitated 3 LAWA Technical Advisory Committee meetings
- d) Facilitated 2 LAWA Financial Advisory Committee meetings
- e) Facilitated 1 LAWA Technical Advisory Committee Operational Subcommittee meetings
- f) Presented RRVWSP updates at 2 Water Topics Overview Committee meetings
- g) Engaged in many RRVWSP Leadership Strategy, Financial Planning, Administrative, Engineering, Construction and Policy & Risk Management meetings
- h) Continued meeting with state legislators
- i) Met with House and Senate Majority Leaders regarding RRVWSP
- j) Met with state and federal agencies to provide updates on the RRVWSP
- k) Invested \$30.925 million in the RRVWSP
- l) Updated financial modeling options
- m) Received \$180 million in RRVWSP funding from State Water Commission
- n) Approved a financing resolution pertaining to Garrison Diversion Conservancy District's \$48,697,560 Water Revenue Bond, Series 2023
- o) Awarded bids for RRVWSP Transmission Pipeline Contract 5C and 5D
- p) Finalized the Missouri River Intake Contract 2
- q) Continued right-of-way effort in Griggs, Foster, Wells and Sheridan Counties
- r) Participated in regular meetings with BND regarding RRVWSP financials
- s) Held multiple meetings with the City of Washburn and Rainbow Energy as potential RRVWSP participants
- t) Supported the Project Participation Agreement with LAWA
- u) Participated in a Strategic Partnering session with LAWA Leadership
- v) Completed a contractor Prequalification process for pipeline contractors
- w) Approved RRVWSP 2023-2025 Biennium Work Plan and Budget for \$244 million
- x) Conducted User meetings (SEWUD, City of Carrington, NE ND water districts)
- y) Secured \$953 million in legislative intent for upcoming biennia
- z) Continued operational planning for the RRVWSP
- aa) Supported Fargo and Grand Forks in cost allocation
- bb) Installed 4 miles of transmission pipeline for Contract 5B
- cc) Approved Conflict of Interest Policy and Waiver
- dd) Issued Bonus Payments for RRVWSP easements
- ee) Transmission Pipeline Contract 6A is bid ready
- ff) Issued \$80,550 in crop damages

5) Natural Resources

- a) Assisted with maintenance of Audubon & Arrowwood National Wildlife Refuges
- b) Assisted with maintenance of Lonetree Wildlife Management Area
- c) Assisted with maintenance of mitigation features as requested by Reclamation
- d) Completed a wetland area for ND G&F at Painted Woods

6) Recreation Program

- a) Awarded \$1,152,007 to 45 projects
- b) Expended \$708,685 to previously approved projects
- c) Continued maintenance of recreation facilities at Chain of Lakes Recreation Area

7) Administrative/Legislative

- a) Attended multiple meetings with ND Water Users and Water Coalition
- b) Participated in 2023 Legislative Session and Legislative Special Session
 - i) HB1218
 - ii) SB2020
 - iii) SB2251
 - iv) SB2313
 - v) SB2330
 - vi) SB2364
- c) Facilitated 29 Garrison Diversion Board & Committee meetings
- d) Reported GDCD activities at State Water Commission meetings
- e) Attended Ag Coalition meetings
- f) Conducted 2024 Budget Hearing to fulfill statutory requirement
- g) Completed 2022 Audit with no findings
- h) Attended Upper Missouri Water Users Association Conference
- i) Participated in virtual Red River Basin Commission Water Supply Working Group meetings
- j) Attended 2 GDU Semi-Annual meetings
- k) Finalized Indirect Cost calculation to the Interior Business Center
- l) Attended multiple meetings with BOR Area Manager
- m) Initiated Program Management Information System software development
- n) Secured Fryberger Law Firm as Bond Counsel for Garrison Diversion RRVWSP financing
- o) Held two All Staff meetings
- p) Capital Purchases/Building Improvements
 - i) Security Cameras
 - ii) AC
- q) Approved \$30,000 to support the Missouri River Joint Water Board's Educate, Advocate and Engage Program
- r) Approved \$30,000 for the Upper Sheyenne River Joint Water Resource Board's Upper Sheyenne Pilot Project
- s) Approved \$47,700 of funding assistance for the Missouri River Recovery Program Implementation Committee
- t) Renewed the contract with AON

- u) Signed Series D1 Financing for the RRVWSP
- v) Closed on a \$60 million bond with BND
- w) Met with Burleigh and Sheridan County Commissions regarding their mill levy to the district
- x) Purchased new iPads for the Board of Directors

8) Public Relations

- a) Implemented 2023 Garrison Diversion Communications Work Plan
- b) Implemented 202 RRVWSP Communications Plan
- c) Developed & submitted 8 ND Water magazine stories
- d) Developed and published the 2022 Annual Report
- e) Prepared and distributed 8 news releases
- f) Staffed Garrison Diversion and LAWA booths at 6 conferences/events
- g) Updated and maintained Garrison Diversion website
- h) Updated and maintained LAWA website
- i) Updated and maintained RRVWSP website
- j) Maintained Facebook and Twitter social media accounts for Garrison Diversion and RRVWSP
- k) Distributed Quarterly RRVWSP Newsletter
- l) Developed multiple information pieces for RRVWSP and Garrison Diversion
- m) Updated exhibit booth displays
- n) Continued to support ND's water community
- o) Participated in National AIS week in conjunction with ND G&F
- p) Created GDCD Benefits handouts for 4 counties
- q) Presented on Garrison Diversion and the RRVWSP with the International Red River Watershed Board, Missouri River Joint Water Board Public Meetings, City of Washburn, Burleigh County Commission,
- r) Hosted tours of GDCD and RRVWSP facilities and construction sites
- s) Redesigned existing RRVWSP Overview video
- t) Redeveloped 3 websites: Garrison Diversion, RRVWSP and LAWA
- u) Hosted All Water Social in conjunction with ND Water Users Convention

9) Engineering & Operations

- a) Major equipment purchases
 - i) 6x6 ATV
 - ii) Fuel Tracking System
- b) Moved approximately 110,000 cubic yards of earth at the Major Slide Repair
- c) Maintained quality staff and equipment
- d) Updated and implemented "5-Year Work Plan"
- e) Completed 2023 annual work plan on GDU facilities
- f) Completed 2023 annual work plan for Devils Lake Outlet maintenance
- g) Operated and maintained 13 McClusky Canal Irrigation Projects
- h) Completed 2 trenchless crossings at the major slide area
- i) Participating in NAWS construction activity at SPP

- j) Performed maintenance for RRVWSP Sheyenne River Discharge Structure
- k) Performed maintenance for RRVWSP Washburn Intake Structure
- l) Hosted tours at the Snake Creek Pumping Plant for various groups
- m) Engaged as a Cooperator in USACE Snake Creek Embankment Dam Safety Modification Study
- n) Completed access road to Engel's Point WMA
- o) Inspected 4 inaccessible bridge features along the New Rockford Canal
- p) Completed VRAP (Voluntary Response Action Plan) and removal of bituminous material found at the New Rockford shop
- q) Hired 2 new O&M employees

2024 WORK PLAN

Garrison Diversion Conservancy District

A. Federal

1. Continue to monitor and engage in WOTUS rule
2. Maintain cooperative agreements with Reclamation
3. Finalize cost of water and sign ENDAWS Master Repayment Contract
4. Support Federal legislation allowing irrigation districts access to PUP outside the McClusky Canal corridor

B. MR&I Program

1. Administer Garrison Diversion Water Supply Assistance Grant Program
2. Work with NDRWSA, Reclamation and other agencies to support rural water users
3. Work with ND Water Coalition to examine funding priorities
4. Increase Federal cost ceiling authorization for MR&I
5. Secure additional funding for ENDAWS

C. Develop and enhance irrigation in North Dakota

1. Provide assistance and support to the ND Irrigation Association
2. Continue outreach with power coops regarding future development of the McClusky Canal Power Infrastructure Master Plan
3. Continue development of the McClusky Canal Irrigation Project
4. Continue to support irrigation in current state cost-share policy

D. Red River Valley Water Supply Project

1. Provide support for Lake Agassiz Water Authority
2. Explore James River water for MR&I water delivery
3. Continue to execute the 2023-2025 RRVWSP work plan
4. Support affordable funding plan for RRVWSP
5. Execute Project Participation Agreement with LAWA
6. Complete construction on 9-mile (Contract 5B) segment east of Carrington
7. Continue User Outreach effort
8. Further research user nominations, pipe size and hydraulics
9. Implement Program Management Information System
10. Bid and secure contract for Transmission Pipeline Contract 6A
11. Begin construction on Transmission Pipeline Contracts 5C and 5D.
12. Complete Final Design on Contract 4 and Contract 7,
13. Begin Preliminary Design on the (Biota Water Treatment Plant, McClusky Canal Intake and Pumping Station and Hydraulic Break Tanks)
14. Begin Phase III of Operational Planning
15. Work with water systems to sign a Memorandum of Commitment
16. Continue supporting USACE on Water Control Manual Update

E. Natural Resources

1. Assist with maintenance of Audubon & Arrowwood National Wildlife Refuges
2. Assist with maintenance of mitigation features as requested by Reclamation

F. Recreation Program

1. Administer Garrison Diversion Matching Recreation Grant Program
2. Continue maintenance of facilities at Chain of Lakes recreation areas

G. Administrative/Legislative

1. Prepare for the 2025 legislative session
2. Review and update Garrison Diversion Bylaws
3. Replace Ford Explorer
4. Replace Tahoe
5. Research and establish a digital filing system
6. Update Employee handbook
7. Update Garrison Diversion board policies
8. Implement IT security program
9. Secure Managed IT services
10. Hire Accountant
11. Hire Engineer

H. Public Relations

1. Develop, publish and distribute 2023 Annual Report
2. Develop and distribute RRVWSP Quarterly Newsletter
3. Develop ND Water magazine stories (8 issues)
4. Staff Garrison Diversion and LAWA display booths at appropriate conferences and events
5. Prepare and distribute news releases regarding Garrison Diversion, RRVWSP and LAWA efforts
6. Develop and update public information pieces as needed
7. Maintain social media sites for GDCD and RRVWSP
8. Implement 2024 Communications Work Plan
9. Finalize and install wall displays at headquarters building

I. Engineering & Operations

1. Maintain quality staff and equipment
2. Implement "5-Year Work Plan"
3. Complete 2024 annual work plan on GDU facilities
4. Complete 2024 annual work plan for Devils Lake Outlet maintenance
5. Complete 2024 LAWA water quality monitoring plan
6. Complete 2024 work plan for McClusky Canal Irrigation Projects
7. Assess the future utilization of the New Rockford Canal

* 2024 additions



GARRISON DIVERSION
 CONSERVANCY DISTRICT
 P.O. Box 140
 CARRINGTON, N.D. 58421
 (701) 652-3194
 FAX (701) 652-3195
 gdcdd@gdcdd.org
 www.garrisondiversion.org

MEMORANDUM

TO: GDCD Board Members
FROM: Duane DeKrey, General Manager
DATE: November 27, 2023
SUBJECT: Executive Committee Elections

During the January Board of Directors meeting, three Executive Committee member positions will be up for election.

The board chairman will request nominations from the floor at the meeting on January 11. Directors may also submit nominations to me prior to the meeting, as the secretary, or to Greg Bischoff, who serves as Chairperson on the Nominating Committee. Other members of the Nominating Committee are Geneva Kaiser and Mark Cook and can be contacted as well.

Elections will be held on January 12.

The individuals with expiring terms are:

Mark Cook, Bruce Klein and Dave Anderson. Mark and Bruce have completed two terms and are not eligible for re-election. Dave has served one term and is eligible to seek re-election.

Committee assignments for 2024 will be made by the board chairman following the election in January.

DD/las

**2024 GARRISON DIVERSION
BOARD & EXECUTIVE COMMITTEE DATES**

GDCD Board 2024 Meetings

January 11 & 12
April 18 & 19
July 18 & 19
October 10 & 11

Executive Committee 2024 Meetings

March 14
June 13
September 26
December 12

DRAFT

41st Annual Summit Conference– Jan 16-18, 2024 – West Fargo Convention Center
 Theme – **Shared Waters, Shared Responsibilities: Cross Boundary Partnerships**
Tuesday Jan 16, 2024

1 pm	Welcome & Introductions – Brian Holmer and Ted	Grand Ballroom	
1:30 pm	Keynote : Jerry Doan <i>Building Soil Health and Improving Water Quality for the Next Generation; Creating excitement and diversification to bring the next generation back.</i>	Grand Ballroom	
2:30 pm	Break & Exhibits	Fern	
3-4 pm	State of Agriculture in the Basin:	Grand Ballroom	
4-4:30 pm	Practicing Sustainable Ag	Grand Ballroom	
5:30-7:30 pm	Social	Fern	

Wednesday Jan 17, 2024

7:00 am	Continental Breakfast	Grand Ballroom	
8:30 – 9 am	Weather outlook National Weather Service	Grand Ballroom	
9-10:15	Agriculture Climate Solutions	Grand Ballroom	
10:15– 10:45	Break	Fern Hall	
10:45-12 pm	Lightening Talks:	Grand Ballroom	
12-12:45 pm	Lunch:	Grand Ballroom	
1-3 pm Afternoon – basin activities	Break Out Sessions – Grand Ballroom	Elm	Dogwood
3-3:30 pm	Break/Exhibits	Fern Hall	
3:30-5 pm	Plenary:	Grand Ballroom	
6:00 pm 6:30 pm	Social- Cash Bar Banquet: Leadership Award Silent Auction Winners	Grand Ballroom	

Thursday Jan 18, 2024

7:00 am	Continental Breakfast:	Grand Ballroom
8:30 am	Annual Meeting <ul style="list-style-type: none"> • Board chairman report • Exec director report • Financial/Audit report 	Grand Ballroom
9:30 – 10:00	Break	Fern
10:00 -11:30 am	Plenary Session	Grand Ballroom
11:30 – 12:15 PM	IRRWB/ IJC	Grand Ballroom
12:15 PM	Lunch: <ul style="list-style-type: none"> • Conference Wrap-Up • Grand prize drawing 	Grand Ballroom

Tuesday, January 23

Time
6:00-8:00pm Welcome Reception

Wednesday, January 24

8:00-9:00am Breakfast

9:00-9:15am Welcome

9:15-9:45am David Blackwood, Exec.
Director, West Tennessee River
Basen Authority

**Water shed Management in West
Tennessee**

9:45-9:50am Vendor Moment

9:50-
10:35am Sarah Houston, Exec Director,
Save Our Aquifer

10:35-
10:50am Break

**Keep It Local: How Can We Protect
Our Aquifer for the Next Seven
Generations**

10:50-
11:35am Scott Schoefernacker, Protect
Our Aquifer

**Groundwater Protection:
Community, Advocacy and Science**

11:35-
11:40am Vendor Moment

Noon-1:pm Lunch

1:15-2:00pm Board Meeting

2:30-??? Offsite Activity

Green Brier

6:30pm Supper on your own

Thursday, January 25

8:00-9:00am	Breakfast	
9:00am-9:45am	Joel Riley, US Army Corps of Engineers, Memphis District	USACE Center for Water Sustainability: A Collaborative Regional Approach to Groundwater Sustainability and Management in the Upper Mississippi Embayment
9:45-9:50am	Vendor Moment	
9:50-10:30am	Cole Stonebrook, US Army Corps of Engineers Memphis District	The Importance of River Training Structures for Navigation on the Lower Mississippi River
10:30-10:35am	Vendor Moment	
10:35-10:50am	Break	
10:50-11:35am	Brian Ham	Karst Research Synergy in Tennessee
11:35-Noon	Board Review	
Noon-1:00pm	Lunch	
1:00-1:45pm	Brian Waldron	
1:45-1:50pm	Vendor Moment	
1:50-2:30pm	Steve Walthour	GMDA: Past, Present, Future
2:30-2:35pm	Vendor Moment	
2:35-2:45pm	Break	
2:45-3:20pm	Dale Nellor, NWRA	Federal Updates
3:20-4:00pm	Mark Rude	Guidance to NWRA as their Groundwater Caucus
4:00pm	Closing & Announcements	