

## RED RIVER VALLEY COMMITTEE

Fargo Commission Building  
Red River Room

August 19, 2025

Upon Adjournment of LAWA Board Meeting

### A G E N D A

- I. Call to Order & Roll Call – Jason Siegert & Lisa Schafer
- II. Consideration of Minutes – Jason Siegert
  - A. **>June 26, 2025**
- III. Red River Valley Water Supply Project
  - A. >Work Plan & Construction Update – Kip Kovar/Paul Boersma
    - 1. \*>Task Order 1520 Operational Planning, Phase 3, Amend. No. 1**
    - 2. \*>Task Order 1630 Project Mgmt Information Services Phase 3**
  - B. >2023-2025 Biennium Work Plan/Budget – Kip Kovar/K. Ronnekamp
  - C. >2025-2027 Draft Biennium Work Plan/Budget – Kip Kovar/Kurt Ronnekamp
  - D. >Program Schedule – Kip Kovar
  - E. Interim Financing Agreement Series F – Merri Mooridian
  - F. User Engagement Update – Steve Burian
    - 1. >Prospective Users Update
- IV. Adjourn

Items in bold require action

\* Requires a roll call vote

The following minutes are in draft form subject to review and approval by the Red River Valley Committee at it next meeting.

25-37

## **GARRISON DIVERSION CONSERVANCY DISTRICT**

### **RED RIVER VALLEY COMMITTEE**

**City Commission - Meadowlark Room  
 Fargo, North Dakota  
 June 26, 2025**

A meeting of the Red River Valley Committee was held at the Fargo City Commission, Fargo, ND, on June 26, 2025. The meeting was called to order by Chairman Siegert at 3:02 p.m.

#### **MEMBERS PRESENT**

Committee Chairman Jason Siegert  
 Director Dave Anderson  
 Director Greg Bischoff  
 Director Jeff LeDoux  
 Director Ken Vein  
 Secretary Duane DeKrey

#### **MEMBERS ABSENT**

Board Chairman Jay Anderson

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

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

#### **CONSIDERATION OF MINUTES**

**Motion by Director Bischoff to dispense with a reading of the April 16, 2025, Red River Valley Committee minutes and approve them as distributed. Second by Director Vein. Upon voice vote, motion carried.**

#### **RED RIVER VALLEY WATER SUPPLY PROJECT (RRVWSP)**

**Construction Update** - Kip Kovar, Deputy Program Manager, RRVWSP Engineering, Garrison Diversion, reported the construction progress has been going very well, and the weather has been great.

Carstensen Construction has laid two and a half miles of pipe this year on Contract 5D and completed four and a half miles of restoration, while Garney Construction is near completion on Contract 5B with two miles of restoration remaining. Oscar Renda Contracting is making slow progress on Contract 5C due to challenging terrain, and Contract 6A, which is Carstensen Construction, will begin pipe installation after July 4th.

### Work Plan Update

Mr. Kovar referred to the RRVWSP Work Plan Update dated June 13, 2025, which summarizes ongoing construction projects. A copy of the update is attached to these minutes as Annex II.

**Interim Financing Agreement Series F** - - Merri Mooridian, Deputy Program Manager, RRVWSP Administration, Garrison Diversion, reported the Series F Interim Financing Agreement was provided to Fargo, Grand Forks and LAWA a while ago, and Garrison Diversion is waiting on their comments.

Ms. Mooridian stated \$205 million in funding is available for the RRVWSP in the 2025-2027 biennium. In addition, there is \$68.33 million in local cost share. During the State Water Commission (SWC) meeting on June 12, the first request from Garrison Diversion for \$150 million was approved by the commission, along with \$50 million in Water Infrastructure Loan Funds (WIRLF) for the local cost share. The second request for \$55 million of state cost share will be submitted by Garrison Diversion tomorrow. In turn, \$18.33 million will also be requested from the WIRLF for the local cost share. This all totals \$273.33 million, which is the 2025-2027 budget amount for the RRVWSP.

Ms. Mooridian added Series F, which is for the local cost share, cannot move forward until the comments are received.

Brent Bogar, Consultant, LAWA, stated Fargo, Grand Forks and LAWA are aware of the timeline for getting this done. Based on the schedule, there is about six weeks to get approval by the city commissions on Series F. He has put a deadline for the comments to be due by July 4.

Mr. Kovar commented no further pipeline contracts will be advertised for bid until Series F is figured out.

**Program Schedule** - - Mr. Kovar next referred to the RRVWSP Program Schedule dated June 5, 2025.

**Draft Operational Planning Responsibilities** - - Paul Boersma, Black & Veatch, reported a meeting was held with LAWA members earlier this morning to present and walk through a matrix of the RRVWSP's operational subcomponents. Each of these components, in Garrison Diversion's opinion, is a starting point for negotiations between Garrison Diversion and LAWA. There are appropriate roles and responsibilities that make sense for each agency to be involved with when it comes to operations or water management of the RRVWSP.

Mr. Boersma explained each area of responsibility in regard to operational planning/water management as broken out below.

### **GD CD PROPOSED OPERATIONS PLANNING RESPONSIBILITY MATRIX**

**Project Water Releases from Lake Ashtabula** (When are releases required from Lake Ashtabula)

[LAWA requests Thompson Acker water from DWR with copies to Garrison Diversion](#)

**Financial Allocations (Who pays for the water?)**

LAWA sets User allocations tiers & Garrison Diversion bills LAWA for canal costs and pipeline

**User Participation Agreements and Engagement**

LAWA leads with Garrison Diversion input

**Drought Monitoring (Collecting/Interpreting Real Time Drought Data)**

Garrison Diversion to lead coordination of agency data (USGS, NOAA, USACE, NIDIS, etc.) with input from LAWA, DWR, and Users with active drought management plans

**Infrastructure Operations (Lake Audubon/McClusky Canal/BWTP/Pump Stations/RRV Pipe)**

Garrison Diversion (based on reservoir levels and releases)

**Water Accounting Tools (How do we keep track of the water?)**

Co-lead DWR regulates/Garrison Diversion implements and maintains tools/LAWA & DWR utilizes

Director LeDoux asked what will be the next steps.

Tami Norgard, Vogel Law Firm, said she will be meeting with LAWA's attorney tomorrow. She suggested looking at the issues raised by LAWA and starting to work on an agreeable framework for how to incorporate the areas of responsibility into the Project Participation Agreement (PPA). Once an agreement is reached, an amendment can be made to the cooperative agreement stipulating what has been agreed to.

Mr. Boersma said in the last couple of bienniums, a number of task orders have been brought to the July board meeting that get through the operational things for the next couple of years, such as financial modeling, user outreach support, operational planning, etc. A pause has been put on these task orders for now. Hopefully, by the October series of board meetings, there is more of a consensus around who is responsible for what so task orders can be issued and provided to the respective boards for approval. If there is no consensus by that time, perhaps an interim stop-gap-type task order can be issued.

Mr. Bogar compared the consensus process to buying a house. This is the first offer, and there will be a counter offer. Hopefully, we do not have to go back several times before an agreement is reached. He believes there was more agreement on the points at the meeting this morning than disagreement. There was more alignment on the items than given credit for.

Mr. Kovar said he agrees with the idea of an interim stop-gap-type task order. There needs to be a Plan B in place. Work still needs to get done in the interim, users still want their questions answered and meetings still need to continue with the State and the Corps of Engineers.

**James River Modeling** - - Mr. Boersma said Burian & Associates and AE2S, as well as Garrison Diversion board members, have been very successful in getting southeastern and southern users signed up for the RRVWSP. Their total nominations add up to 23 cfs, which is a good amount. Being able to convey water to the users down the James River instead of through pipes could easily represent \$100 million of infrastructure savings.

Mr. Boersma commented the uncertainty comes in terms of water loss due to evaporation and transpiration, etc. These questions are answerable but require study. There is unused money

in contracts that can be reallocated toward studying the uncertainty of water loss. This can be done at no additional cost, but it will take direction from LAWA and Garrison Diversion. This topic is being introduced today, and he would like the Red River Valley Committee and the LAWA TAC to understand the need for the study. A formal scope and budget will be developed for TAC, and the committee could make the recommendation authorizing unspent money from previous task orders be used to study water use/water loss/water conveyance issues. More certainty is needed for the user in order to know the water is actually going to be there when it is needed.

**Motion by Director Bischoff recommending the full board approve authorizing: 1) a scope of work and fee for a James River modeling study be developed and 2) reallocation of unused funds from previous task orders be redirected toward this study. Second by Director LeDoux. Upon roll call vote, the following directors voted aye: D. Anderson, Bischoff, LeDoux, Siegert and Vein. Those voting nay: none. Absent: J. Anderson. Motion carried.**

**User Engagement Update** - - Steve Burian, Burian & Associates, expressed excitement for Walsh Rural Water District and Agassiz Water Users District each signing a Memorandum of Commitment (MOC). He also informed the committee Northeast Regional Water District notified him this morning they are also going to sign the MOC.

Director Bischoff asked if there is money still available to continue user engagement discussions with the five smaller cities regarding the Series F Interim Financing Agreement, which is very important.

Mr. Boersma said yes, that can be done.

Burian & Associates was asked to contact the five smaller cities regarding Series F, who are Valley City, Carrington, Cooperstown, Hillsboro and Mayville.

## **OTHER**

The meeting adjourned at 3:55 p.m.

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Jason Siegert, Chairman

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Duane DeKrey, Secretary

RED RIVER VALLEY COMMITTEE MEETING  
Fargo Commission Building, North Dakota

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## RRVWSP Work Plan Update June 13, 2025

### **CONSTRUCTION**

#### **Pipeline Construction**

##### **Contract 5B**

The original pipe delivery of June 15, 2021, was delayed due to a surface blemish in the steel coil.

In year one (2022), 7,761 feet of pipe was installed out of the total nine miles. High groundwater slowed the pipe installation progress.

In the second year (2023), 21,120 feet of pipe was installed.

In the third year (2024), using two pipe crews, approximately 18,500 feet has been installed, which completes the pipe installation.

Currently, the contractor is building out the manholes and filling the pipe getting ready for hydrotesting.

To date, \$39,090,882.28 has been paid on the original contract amount of \$45,961,700.00. Change Orders No. 1, 2, 3 and 4 have been approved, leaving the current contract price at \$46,899,055.88.

##### **Contract 5C**

The contract price is \$76,663,355.00 for 8 miles of pipe awarded to Oscar Renda Contracting.

Oscar Renda was not meeting their install targets so a second pipe crew was sent out on July 10. To date, 19,402 feet has been installed. The Kelly Creek tunnel is complete.

To date, \$37,281,590.59 has been paid on the original contract amount of \$76,663,355.00.



Stripping Topsoil



Trench Box w/ Dewatering Pipes

Contract 5D

The contract price is \$61,677,275.00 for 10 miles of pipe awarded to Carstensen Contracting. To date, the contractor has installed 32,451 feet with one pipe crew of which 9,300 feet installed this year.

To date, \$38,365,291.29 has been paid on the original contract amount of \$61,677,275.00. Change Order No. 1 has been approved, leaving the current contract price at \$59,375,495.00.



Stored Pipe on Site



Placing Dewatering Pipe

Contract 6A

The contract price is \$52,528,500.00 for 7.1 miles of pipe awarded to Carstensen Contracting. To date, the contractor has started stripping topsoil and installing dewatering discharge pipe.

**DESIGN**

The design team is also working with Reclamation on the location for the BWTP and pump stations.

Bid opening on Contract 6A was held on November 7, 2024. Final design efforts have started on Contracts 7 and 4. Additional geotechnical data is complete.

RRVWSP Awarded Contracts				
No.	Contract Name	Contractor	Bid Price	Final Contract Price
1	Missouri River Intake Wet Well & Site Development	ICS	\$4,989,405.88	\$4,721,446.47
1	Sheyenne River Outlet Discharge Structure & Site Development	Industrial Builders	\$1,516,955.00	\$1,521,884.00
2	Missouri River Intake, Screen Structure & Tunnel	Michels	\$18,896,900.00	\$19,444,156.60
5A	Transmission Pipeline East (TPE)	Garney	\$8,366,201.00	\$8,393,396.44
5B	TPE Carrington to Bordulac	Garney	\$45,961,700.00	
5D	TPE Sykeston to Carrington	Carstensen	\$61,677,275.00	
5C	TPE Bordulac to James River	Oscar Renda	\$76,663,355.00	
6A	TPE James River to McKinnon Township	Carstensen	\$52,528,500.00	



## RRVWSP Work Plan Update August 12, 2025

### **CONSTRUCTION**

#### **Pipeline Construction**

##### **Contract 5B**

The original pipe delivery of June 15, 2021, was delayed due to a surface blemish in the steel coil.

In year one (2022), 7,761 feet of pipe was installed out of the total nine miles. High groundwater slowed the pipe installation progress.

In the second year (2023), 21,120 feet of pipe was installed.

In the third year (2024), using two pipe crews, approximately 18,500 feet has been installed, which completes the pipe installation.

The pipeline passed the hydrostatic testing, 296 psi was held for 4 hours. Two miles of restoration are remaining.

To date, \$39,090,882.28 has been paid on the original contract amount of \$45,961,700.00. Change Orders No. 1, 2, 3 and 4 have been approved, leaving the current contract price at \$46,899,055.88.

##### **Contract 5C**

The contract price is \$76,663,355.00 for 8 miles of pipe awarded to Oscar Renda Contracting.

Oscar Renda was not meeting their install targets so a second pipe crew was sent out on July 10. To date, 23,203 feet has been installed. Tunneling subcontractor Minger Contracting has moved to the James River tunnel site.

To date, \$33,553,431.53 has been paid on the original contract amount of \$76,663,355.00.



Stripping Topsoil



Trench Box w/ Dewatering Pipes

**Contract 5D**

The contract price is \$61,677,275.00 for 10 miles of pipe awarded to Carstensen Contracting. To date, the contractor has installed 40,101 feet with one pipe crew.

To date, \$40,405,913.63 has been paid on the original contract amount of \$61,677,275.00. Change Order No. 1 has been approved, leaving the current contract price at \$59,375,495.00.



Stored Pipe on Site



Placing Dewatering Pipe

**Contract 6A**

The contract price is \$52,528,500.00 for 7.1 miles of pipe awarded to Carstensen Contracting. To date, the contractor has installed 3,346 ft of pipe.

To date, \$8,462,548.31 has been paid on the original contract amount of \$52,528,500.00.

**DESIGN**

The design team is also working with Reclamation on the location for the BWTP and pump stations. Final design efforts have started on Contracts 7 and 4. Additional geotechnical data is complete.

RRVWSP Awarded Contracts				
No.	Contract Name	Contractor	Bid Price	Final Contract Price
1	Missouri River Intake Wet Well & Site Development	ICS	\$4,989,405.88	\$4,721,446.47
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2	Missouri River Intake, Screen Structure & Tunnel	Michels	\$18,896,900.00	\$19,444,156.60
5A	Transmission Pipeline East (TPE)	Garney	\$8,366,201.00	\$8,393,396.44
5B	TPE Carrington to Bordulac	Garney	\$45,961,700.00	
5D	TPE Sykeston to Carrington	Carstensen	\$61,677,275.00	
5C	TPE Bordulac to James River	Oscar Renda	\$76,663,355.00	
6A	TPE James River to McKinnon Township	Carstensen	\$52,528,500.00	



## **Black & Veatch Corporation**

Professional Services for the Red River Valley Water Supply Project under General Agreement dated January 17, 2008 and Amendment No. 1 dated April 1, 2024.

## **RRVWSP Task Order 1520 – Operational Planning Phase 3 Amendment No. 1**

**Effective Date – September 1, 2025**

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### **I. PROJECT AND TASK ORDER BACKGROUND**

1. Phases 1 and 2 of operational planning were completed under previous task orders and Phase 3 of operational planning was completed under this task order.
2. Going forward, the Lake Agassiz Water Authority (LAWA) and Garrison Diversion Conservancy District (Garrison Diversion, GDGD) will each take a role in operational planning as is being defined by the two organizations. The allocation of roles and responsibilities for operations planning is on-going and will be worked out over the next few months. In the meantime, there are operational planning activities that need to continue as described in this amendment. The purpose of this amendment is to fund the interim activities until a more complete agreement is established and a new task order is executed.

### **II. TASK ORDER SCOPE**

1. Ongoing Operations Support
  - a. Provide LAWA and Garrison Diversion with ongoing technical support for StateMod model runs and documentation. Continue working with Precision Water Resources Engineering (PWRE).
  - b. Review anticipated responses from the North Dakota Department of Water Resources (NDDWR) and the U.S. Army Corp of Engineers (USACE). Provide technical assistance and materials as requested by Garrison Diversion and LAWA for meetings with NDDWR and USACE.
  - c. Coordinate completion of the North Dakota Pollutant Discharge Elimination System (NDPDES) permit renewal. The permit renewal has been started but additional effort is required for it to be finished. The State of North Dakota (State) requires a permit renewal every five years.
  - d. Attend LAWA, LAWA Technical Advisory Committee (TAC), and LAWA Operations sub-committee meetings as requested.
  - e. Provide Project Participation Agreement (PPA) support materials as requested.

## 2. Ongoing User Outreach Support

- a. Facilitate work with five communities to support them participating in Series F local funding agreement. Scope includes time for meetings, coordination, and deliverable preparation.
- b. James River Analysis Support. Scope includes efforts to establish James River as a viable water conveyance route. Scope for AE2S being written into another task order with the fee to be covered elsewhere.
- c. Support Wahpeton Area Cooperative Agreement monthly meetings.
- d. Continue coordination/answering questions with pending Users who had originally been contacted.
- e. Complete other as needed services for User Outreach as requested by LAWA and Garrison Diversion.

## V. FEE

The total fee for Basic Services and Special Services provided under this task order amendment is estimated to be One Hundred Fifty-Six Thousand Dollars (\$156,000). The revised upper limit of the task order then becomes Six Hundred Eighteen Thousand Thirty Dollars (\$618,030).

## VI. PERFORMANCE SCHEDULE

Basic and Special Services of this Task Order will be completed by March 31, 2026.

## VII. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

1. Standard Form of Agreement between Garrison Diversion and Engineer for Professional Services dated January 17, 2008, and Amendment No. 1 dated April 1, 2024, are incorporated by reference.

## VIII. ACCEPTANCE

If this satisfactorily sets forth your understanding of this task order amendment, please electronically sign this document. An electronic copy of the fully executed document will be provided upon execution by all parties.

By: \_\_\_\_\_  
Duane DeKrey, General Manager  
Garrison Diversion Conservancy District

By: \_\_\_\_\_  
Paul Boersma, Vice President  
Black & Veatch Corporation

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_



## RRVWSP Task Order 1630 – Project Management Information System Phase 3 Unity Construct Licenses and On-Going Support

Task Order Effective Date: September 1, 2025

### TASK ORDER EXECUTIVE SUMMARY

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#### REQUEST

Consideration and approval of a consultant task order in the amount of \$689,000 to administer and support the Project Management Information System (PMIS). Black & Veatch (BV) will administer the PMIS to support daily program operations; deliver District, contractor, and consultant staff training; and diagnose, develop, and implement system enhancements based on the Program's and the District's needs. Additionally, BV will renew software licenses and subscriptions in support of the current implementation expanding the number of users from 25 to an unlimited number. The professional services provided by BV and its consultants are provided on an hourly basis; the fee is estimated based on the scope and nature of the work for the 2025-2027 biennium. License fees for Unity Construct and DocuSign are lump-sum prices from the vendors accounting for the anticipated number of users.

#### TASK ORDER OBJECTIVES

The first objective of this Task Order is to provide administrative services for the Trimble Unity Construct PMIS (previously known as eBuilder). This includes maintaining system level configuration and support of users. System Administrative Support Services will be provided to support on-going maintenance activities.

The second objective is to renew the Unity Construct PMIS subscription for the duration of this task order.

The third objective is to provide change management, including training of users and process owners as well as maintenance/updating system documentation.

The fourth objective is to identify new processes and configure those processes as Task Order funding allows.

#### TASK ORDER SUMMARY

The services to be provided by the consulting team of BV, Trimble, DocuSign, and TKG Consulting are fully described in the attached Task Order. The estimated hourly fee and expenses for the PMIS software subscription and administration services of Basic Services, including District, Engineer, consultant, and contractor training, are as follows for 2025-2027 Biennium:

Task Description	Two-Year Fee
Task Order Management and Administration (BV)	\$37,008.00
Unity Construct Subscription Renewal (Sub)	\$301,141.00
Administration of Unity Construct, a PMIS (BV)	\$176,876.00
Continuous Improvement Support (BV and subs)	\$148,017.00
Reporting and Dashboard Maintenance (BV)	\$25,958.00
Total	\$689,000.00





## Black & Veatch Corporation

Professional Services for the Red River Valley Water Supply Project under General Agreement dated January 17, 2008, and Amendment No. 1 dated April 1, 2024.

### RRVWSP Task Order 1630 – Project Management Information System Phase 3 Unity Construct Licenses and On-Going Support

**Effective Date – September 1, 2025**

Content of this task order (TO) is as follows:

I. PROJECT AND TASK ORDER BACKGROUND .....	1
II. TASK ORDER OBJECTIVES .....	2
III. GENERAL REQUIREMENTS .....	2
IV. BASIC SERVICES .....	3
V. SPECIAL SERVICES .....	5
VI. DELIVERABLES .....	5
VII. ADDITIONAL SERVICES .....	6
VIII. SPECIAL RESPONSIBILITIES OF OWNER .....	6
IX. FEE .....	6
X. PERFORMANCE SCHEDULE .....	6
XI. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS .....	6
XII. ACCEPTANCE .....	7

#### 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) provides 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) project 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. The management, engineering, procurement, construction, and other contracts necessary for project development and construction generate tens of thousands of documents such as engineering deliverables, construction submittals, requests for information, change order requests, change orders, applications for payment, certificates of inspection, construction daily reports, and other related documents. Records of thousands of reviews/approvals are provided within the PMIS, which document technical, financial, management, and other decisions with appropriate documentation and backup.



3. A comprehensive Program Management Information System (PMIS) has been implemented and configured to allow for effective document transfer, storage, and approval of documents. The PMIS system allows contractors, Owner, Engineer, and consultants to have the same platform for document transfer and approval. The system automatically routes documents to the next level of approval, keeps track of what entities/individuals need to approve documents, and provides overall storage and organization of Program documents.
4. Garrison Diversion selected a PMIS by Unity Construct, which is used by entities around the country undertaking large capital projects. Unity Construct is a proprietary, cloud-based software that is used through a licensing agreement. The software has been customized for Garrison Diversion's needs. This task order includes the subscription cost of Unity Construct for the software licenses and administrative support. It is expected that the Unity Construct software solution will be fully integrated into processes starting with the projects that are advertised and bid in the 2023-25 biennium.
5. The use of a PMIS such as Unity Construct also allows the easy collection and presentation of project Key Performance Indicators (KPIs). KPIs may include such items as number of change orders, total cost of change orders versus project bid price, average time for submittal approvals, number of safety incidents, length of pipe installed, percentage of pipe installed compared to the contract amount, etc. This task order also includes provisions for using Power BI, a standard Microsoft product, to automatically gather and graphically present KPIs. The KPIs will be presented as part of routine Program reporting.

## **II. TASK ORDER OBJECTIVES**

The objectives of this task order are as follows:

1. The first objective is to provide administrative services for the Unity Construct PMIS. This includes maintaining system level configuration and end-user support.
2. The second objective is to renew the Unity Construct PMIS subscription for the duration of this task order.
3. The third objective is to provide change management, including training of users and process owners as well as maintenance/updating system documentation.
4. The fourth objective is to identify new processes and configure those processes as task order funding allows.

## **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 administration, training on, and continuous improvement of the PMIS system.
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.
6. Any assignment of a license agreement between Unity Construct and Engineer is transferable from Engineer to Garrison Diversion per Engineer's Partner Agreement with Unity Construct.
7. Garrison Diversion and Engineer maintain ownership of underlying data and files stored and organized within the Unity Construct PMIS per Engineer's Partner Agreement with Unity Construct.

#### 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 – Unity Construct Subscription Renewal
- Task 3 – Administration of Unity Construct, a Project Management Information System
- Task 4 – Continuous Improvement Support
- Task 5 – Reporting and Dashboard Maintenance

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

Engineer will provide the following services to the Owner:

- A. Manage and Administer Task Order. 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.

- B. Conduct Progress Meetings. Facilitate and attend monthly virtual team meetings with the task order execution team. These meeting will be provided under Task 3.

## 2. **Task 2 – Unity Construct Subscription Renewal**

Engineer will provide the following services to the Owner:

- A. Procurement of the Unity Construct PMIS subscription renewal licenses and support services. Details of the Annual Subscription for Unity Construct and Data Warehouse are included in Attachment B.
  - i. Annual Subscription
  - ii. Integration Support and Maintenance
  - iii. Customized Workflow Code Steps Maintenance
  - iv. DocuSign Integration Maintenance
  - v. Data Warehouse Access and Maintenance
- B. General Owner IT Vendor coordination for network coordination, service account configuration, and other subsequent tasks requiring IT support.

## 3. **Task 3 – Administration of Unity Construct, a Project Management Information System**

Engineer will provide the following services to the Owner:

- A. Prioritization of administrative activities. Provide a means to log system issues and prioritize tasks to manage users, processes, workflows, templates, reports, and forms. Administrator Role services are defined in Attachment C.
- B. Develop Administrative Workflows. Provide New Project and User Request workflows to support system operations.
- C. Coordination of administrative activities. Collaborate and facilitate conversations with key stakeholders and users to define and plan system modifications.
- D. Provide a resource to support a 3-month adoption period at 16-hours per week.
- E. Provide system administrative services for the remaining portion of the 2025-2027 Biennium consisting of 8 hours weekly to support system administration.
- F. Provide quarterly (8) end-user training sessions that include content preparation and delivery of training sessions.

## 4. **Task 4 – Continuous Improvement Support**

Engineer will provide the following services to the Owner:

- A. Change Board: Formalize a Change Board to ensure compliance with methods and standards for efficient and prompt handling of system enhancements and management.
- B. System Enhancements: Routine system review to identify any potential improvements in workflow and reporting.

- C. Unity Construct Code Step to Bundle Proposed Schedule Change Orders within the Change Order Approval process.
- D. Off-site staff training to support future implementation of advanced workflow processes, reporting, dashboards, cost tracking, funding allocations, etc.

#### 5. **Task 5 – Reporting and Dashboards Maintenance**

Engineer will provide the following services to the owner:

- A. Data Pipeline Troubleshooting: adjust the data processing components that feed the reports and dashboards.
- B. Report Enhancements: implement additional calculations, visualizations, and reports to accommodate business needs.
- C. Integration support: provide guidance and support for integrating data from system to system.

### V. **SPECIAL SERVICES**

None 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. Project initiation meeting agenda and notes
  - B. Progress meeting agenda
2. **Task 2 - Unity Construct Subscription Renewal**
  - A. Unity Construct cloud based PMIS software solution renewal
3. **Task 3 – Administration of the Unity Construct system**
  - A. Administrator task logs available via Unity Construct Report.
  - B. Training and adoption
    - i. Training scope and gap analysis
    - ii. Virtual calls with trainers (those trained in the “train the trainer program”)
    - iii. Eight quarterly trainings with relevant content.
4. **Task 4 – Continuous Improvement Support**
  - A. Process improvement scope and implementation roadmap documentation
5. **Task 5 – Reporting and Dashboard Maintenance**
  - A. Dashboard revisions
  - B. Data Pipeline Troubleshooting

## 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 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:

1. Additional system enhancements, including new workflows, integrations, forms, or code steps except those identified in Basic Services, which may be included in separate task orders.
2. Additional Power BI reports were not included as part of this task order. Additional reporting and dashboards can be included in a separate scope.

## VIII. SPECIAL RESPONSIBILITIES OF OWNER

1. Services of an IT consultant as it relates to the Microsoft Dynamics GP integration with Unity Construct. Owner will contract directly for these services, which will be necessary to provide a full integration. Engineer and its consultant will consult and coordinate with the Owner's IT consultant for configuration and implementation of the PMIS.
2. Interim Deliverable Review Requirements. The Owner commits to review periods for interim deliverables of no more than 14 calendar days after receipt of deliverables from Engineer.
3. 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 Six Hundred Eighty-Nine Thousand Dollars (\$689,000). 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 December 31, 2027.

## XI. DOCUMENTS INCORPORATED BY REFERENCE AND ATTACHMENTS

1. Standard Form of Agreement between Garrison Diversion and Engineer for Professional Services dated January 17, 2008, and Amendment No. 1 dated April 1, 2024, are incorporated by reference.
2. Attachment A – Fee Estimate Worksheet
3. Attachment B – Unity Construct Subscription Summary
4. Attachment C – Administrator Roles

**XII. ACCEPTANCE**

If this satisfactorily sets forth your understanding of this task order, please electronically sign this document. An electronic copy of the fully executed document will be provided upon execution by all parties.

By: \_\_\_\_\_  
Duane DeKrey, General Manager  
Garrison Diversion Conservancy District

By: \_\_\_\_\_  
Paul Boersma, Vice President  
Black & Veatch Corporation

Dated: \_\_\_\_\_

Dated: \_\_\_\_\_

DRAFT



**ATTACHMENT A**

Fee Estimate Worksheet



Garrison Diversion Conservancy District  
Red River Valley Water Supply Project  
RRVWSP TO 1630 - PMIS Phase 3 Unity Construct Licenses and On-going Support  
BV Project No. TBD  
Black & Veatch and Subconsultants

Task	Lead Firm	Position	PMS	DES	SE2	RPR 2	COS 1	PJCS	PAS	PA1	Labor Detail	Labor Detail	Expense Detail	Expense Detail	Consultant	Consultant	Expense Detail		TOTAL	TOTAL	TOTAL	TOTAL
		Task Description	Project Manager Sr	Design Engineer Sr	Staff Engineer 2	Resident Project Rep 2	Constr Office Support 1	Project Controls Analyst Sr	Project Accountant Sr	Project Accountant 1	BV Level of Effort (hrs)	BV Labor Cost	Hobacca	Misc	Sub 2 Quoted Costs	Sub Costs	Sub Markup	Total Direct Expense	BV Level of Effort (hrs)	BV Labor Cost	Direct Expense	Fee
IV. BASIC SERVICES																						
1	BV	Task Order Management and Administration	12	24	0	24	0	24	72	24	180	\$35,292	\$1,649	\$67	0	\$0	\$0	\$1,716	180	\$35,292	\$1,716	\$37,008
A	BV	Manage and Administer Task Order	12	24		24		24	72	24	180	\$35,292	\$1,649	\$67		\$0	\$0	\$1,716	180	\$35,292	\$1,716	\$37,008
2	BV	Unity Construct Subscription Renewal	0	0	0	2	0	0	0	0	2	\$440	\$18	\$0	286,365	\$286,365	\$14,318	\$300,701	2	\$440	\$300,701	\$301,141
A	BV	Unity Construct Elite Package Subscription (Unlimited Licenses + Add-ons)									0	\$0	\$0		\$270,600	\$270,600	\$13,530	\$284,130	0	\$0	\$284,130	\$284,130
B	BV	One-time Additional Implementation Costs				2					2	\$440	\$18		\$9,000	\$9,000	\$450	\$9,468	2	\$440	\$9,468	\$9,908
C	BV	DocuSign License									0	\$0	\$0		\$6,765	\$6,765	\$338	\$7,103	0	\$0	\$7,103	\$7,103
3	BV	Administration of Unity Construct, a PMIS	24	222	104	386	0	0	0	0	736	\$170,134	\$6,742	\$0	0	\$0	\$0	\$6,742	736	\$170,134	\$6,742	\$176,876
A	BV	Meetings and Workshops									0	\$0	\$0			\$0	\$0	\$0	0	\$0	\$0	\$0
i	BV	Monthly Calls (24 Meetings Total + 1 hour prep/meeting)	24	72	104	104					304	\$65,344	\$2,785			\$0	\$0	\$2,785	304	\$65,344	\$2,785	\$68,129
ii	BV	Quarterly Trainings (8 Trainings and Prep)				32					32	\$7,040	\$293			\$0	\$0	\$293	32	\$7,040	\$293	\$7,333
B	BV	Year 1 - General System Administration (0.20 FTE + Adoption Support)		75		125					200	\$48,875	\$1,832			\$0	\$0	\$1,832	200	\$48,875	\$1,832	\$50,707
C	BV	Year 2 - General System Administration (0.20 FTE)		75		125					200	\$48,875	\$1,832			\$0	\$0	\$1,832	200	\$48,875	\$1,832	\$50,707
4	BV	Continuous Improvement Support	0	64	0	160	160	0	0	0	384	\$76,800	\$3,517	\$15,200	50,000	\$50,000	\$2,500	\$71,217	384	\$76,800	\$71,217	\$148,017
A	BV	System Enhancements		64		160	160				384	\$76,800	\$3,517	\$15,200	50,000	\$50,000	\$2,500	\$71,217	384	\$76,800	\$71,217	\$148,017
5	BV	Reporting and Dashboards Maintenance	8	24	80	12	12	0	0	0	136	\$24,712	\$1,246	\$0	0	\$0	\$0	\$1,246	136	\$24,712	\$1,246	\$25,958
A	BV	Dashboard Development & Maintenance	8	24	80	12	12				136	\$24,712	\$1,246			\$0	\$0	\$1,246	136	\$24,712	\$1,246	\$25,958
PROJECT TOTALS			44	334	184	584	172	24	72	24	1,438	\$307,378	\$13,172	\$15,267	\$336,365	\$336,365	\$16,818	\$381,622	1,438	\$307,378	\$381,622	\$689,000

## ATTACHMENT B

## Unity Construct Cost Summary

The following details the investment summary for the **Annual Software Subscription** for the Unity Construct system.

**Annual Software Subscription for Two Years**

Item Description	Scope Variable	Year 1 Cost (12/19/2025 to 12/18/2026)	Year 2 Cost (12/19/2026 to 12/18/2027)
<b>Unity Construct Elite Package Subscription</b>	<ul style="list-style-type: none"> <li>Unlimited Users</li> <li>Data Warehouse Maintenance</li> <li>Integration Maintenance</li> <li>Custom Development Maintenance</li> </ul>	\$132,000	\$138,600
<b>One-Time Implementation Costs</b>	<ul style="list-style-type: none"> <li>COA Code Step Implementation</li> </ul>	\$9,000	
<b>Total Annual Software Subscription</b>		<b>\$141,000</b>	<b>\$138,600</b>
<b>Total Subscription Cost</b>		<b>\$279,600</b>	

**Annual Subscription Includes**

- Unlimited Users
- Unlimited Projects
- Unlimited Document Storage
- Unity Field
- 24x7 Technical Support
- Quarterly Enhancement/Upgrades
- Maintenance Releases
- AppXchange (8 Integration Points)
- Data Warehouse
- API Access
- Shared Trial Environment Capabilities

## ATTACHMENT C

## Administrator Roles

The Administrator role performs administrative activities as represented in the following table:

Manage Users	Enable users to add/edit users for the projects they are a member of. UC Admin can add users, edit users, and remove users at the account level regardless of project membership if "Manage User" is selected in the role permissions.
Manage Memberships	Enable users to add/edit projects and users for the projects they are a member of. If the Add New Project permission is granted, this is at the account level.
Manage Processes	Enable users to add/edit processes and workflows of the projects they are a member of. UC Admin can create new processes and edit existing processes at the account level regardless of project membership if "Manage Processes" is selected in the role permissions even if the process is isolated to a project the user is not a member of.
Manage Workflows	Enable users to modify process instances on the projects they are a member of, such as overriding a workflow and delegating process instances. UC Admin can create new workflows and edit existing workflows at the account level regardless of project membership if "Manage Workflow" is selected in the role permissions even if the workflow is isolated to project that the user is not a member of.
Manage Cost Templates	Enable users to add/edit the budget, cash flow, and forecast templates of the projects they are a member of. UC Admin can manage forms at the account level regardless of project membership if "Manage Templates" is selected in the Cost module role permissions.
Manage Schedule Templates	Enable users to add/edit schedule templates of the projects they are a member of. UC Admin can manage schedule templates at the account level regardless of project membership if "Manage Templates" is selected in the Schedule module role permissions.
Manage Forms	Enable users to add/edit forms for the projects they are a member of. UC Admin can manage forms at the account level regardless of project membership if "Manage Form Types" is selected in the role permissions.
Manage Planning Templates	Enable users to add/edit planning templates of the projects they are a member of. UC Admin can edit planning templates at the account level regardless of project membership if "Manage Templates" is selected in the Planning module role permissions.
Automation	<ul style="list-style-type: none"> <li>• <b>Scheduled Tasks</b> – if the Admin role is identified as a "Run Now" role, anyone in that role can view and choose to run the scheduled tasks now.</li> <li>• <b>Report Subscriptions</b> - UC Admin can manage all subscriptions at the account level if Subscribe is selected in the Report module permissions. UC Admin can copy user reports at the account level if "Copy" is selected in the Report module permissions.</li> </ul>



## 2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

August 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
1.	<b>Garrison Diversion Conservancy District Budget</b> Scope: Account for all costs for which Garrison Diversion is responsible not included in other Task Orders listed here. Need: Budget allocation for GDCCD direct costs associated with the Red River Valley Water Supply Project.	Garrison Diversion's costs for the RRVWSP, including internal mgmt, admin, legal, communication, insurance advisory, misc., etc.		GDCCD				\$ 1.00	\$ 0.75	\$ 0.25			
2.	<b>Property, Easements, and Crop Damage Payments<sup>4</sup></b> Scope: Costs to obtain easements and acquire property for associated facilities. Crop damage payments to landowners. Need: Secure land for installing future pipeline segments staying years ahead of pipeline design/construction needs. Purchase property on which to build all remaining facilities so property will be in hand before final design begins.	Acquire easements in Sheridan and Wells County for 32-mi pipeline. Pay bonus payment to all easement holders. Acquire property for Biota WTP, Hydraulic Break Tanks, McClusky Canal Intake, and James River sites. Pay for crop damage.		RRVWSP ENDAWS ENDAWS Facilities Crp Dmg	\$ 0.49 \$ 2.00	\$ 0.37 \$ 1.50	\$ 0.12 \$ 0.50	\$ 2.21  \$ 0.78	\$ 1.66  \$ 0.59	\$ 0.55  \$ 0.20			
3.	<b>Transmission Pipeline East Contract 5C</b> Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	8± mi of 72" pl, including two 96" tunnels. Pipeline extends eastward from Contract 5B NE of Bordulac to a termination point just east of the James River.	Jul-23 Nov-23	Prof Svcs Const, 2026 Fin							\$ 5.64 \$ 76.66	\$ 4.23 \$ 57.50	\$ 1.41 \$ 19.17
4.	<b>Transmission Pipeline East Contract 5D</b> Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	10± miles of 72" pl, including several 96" tunnels. Pipeline section extends westward from Contract 5A south of Carrington to a termination point south of Sykeston.	Jul-23 Oct-23	Prof Svcs Const, 2026 Fin							\$ 5.47 \$ 59.38	\$ 4.10 \$ 44.53	\$ 1.37 \$ 14.84
5.	<b>RRV Transmission Pipeline Contract 6A</b> Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	6± mi of 72" pl, including several 96" tunnels. Pipeline section extends eastward from Contract 5C just east of the James River to a termination point southwest of Glenfield.	Jul-23 Dec-24	Prof Svcs Const, 2027 Fin							\$ 5.47 \$ 52.53	\$ 4.10 \$ 39.40	\$ 1.37 \$ 13.13
6.	<b>ENDAWS Transmission Pipeline Contract 3</b> Scope: Final design (30% docs to biddable plans and specs) and bidding assistance. Need: Continue progress of transmission pipeline installation for completion of RRVWSP/ENDAWS by the target end date.	11± mi of 72" pipeline, including 96" tunnels. Pipeline section extends west from the west end of Contract 4 to the Sheridan Wells County line.	Aug-23	ENDAWS	\$ 3.06	\$ 2.29	\$ 0.76						
7.	<b>Transmission Pipeline East Contracts 4A and 4B</b> Scope: Final design (30% docs to biddable plans and specs) and bidding assistance. Need: Have the next pipeline section bid-ready when State funding becomes available (likely the 2025-27 biennium).	27± mi of 72" pl, including several 96" tunnels. Pipeline extends from the west end of Contract 5D south of Sykeston west to a termination point NE of Hurdsville at HBTs.	Feb-24	Prof Svcs				\$ 7.18	\$ 5.39	\$ 1.80			



## 2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

August 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
8.	RRV Transmission Pipeline Contract 7	14± mi of 72" pipeline, including several 96" tunnels. Pipeline extends from the east end of Contract 6B to the outfall on the Sheyenne River southeast of Cooperstown.	Aug-23	Prof Svcs				\$ 2.93	\$ 2.19	\$ 0.73			
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.												
	Need: Have the next pipeline section bid-ready when State funding becomes available (likely the 2025-27 biennium).												
9.	McClusky Canal Intake and Pumping Station	Siting; passive intake screens, pumping station similar to MRI, and utility extension design can begin for new facility to be located near McClusky, ND.	Feb-24	Prof Svcs	\$ 0.75	\$ 0.56	\$ 0.19						
	Scope: Conceptual and preliminary design of an intake and pumping station at the McClusky Canal.												
	Need: Preliminary designs are necessary so site acquisition can begin and final design can commence when land is secured.												
10.	Biota Water Treatment Plant and Main Pumping Station	165-cfs biota WTP, with chlorine and UV disinfection to meet NDPDES permit and FEIS requirements per Reclamation. Chloramines for residual disinfectant in pipeline.	Feb-24	Prof Svcs	\$ 2.87	\$ 2.15	\$ 0.72						
	Scope: Conceptual and preliminary designs for a Biota WTP and Main Pumping Station, including hydraulic surge facility.												
	Need: Complete design to a point where land acquisition can begin and project can move into final design next biennium.												
11.	Hydraulic Break Tanks	Two 5 MG above-ground storage tanks and accessories, site piping and valves, monitoring, and utility extensions necessary for a new greenfield site.	Feb-24	Prof Svcs	\$ 0.37	\$ 0.28	\$ 0.09						
	Scope: Preliminary design of above-ground tanks and associated facilities at or near the continental divide.												
	Need: Complete design to a point where land acquisition can begin and project can move into final design next biennium.												
12.	PMIS Annual Licenses & Continued Maint/Upgrades	Vendor fees (e-Builder & DocuSign) for licenses of expanded team and consulting support for training of contractors/ subcontractors and workflow/report additions and modifications.	Feb-24	Vend & Prof Svcs				\$ 0.50	\$ 0.37	\$ 0.12			
	Scope: Annual software license renewal for expanded team and consulting support for training and configuration services.												
	Need: Create greater efficiency and documentation for voluminous amount of construction related documents.												
13.	Prg Mgmt to Support Larger Spend and Expanded Team	Overall planning, management, administration, scheduling, budgeting, coordination, meeting preparation/attendance, regulatory interface, reporting, etc.	Aug-23	Prof Svcs				\$ 0.65	\$ 0.49	\$ 0.16			
	Scope: Overall program management, planning, budgeting, scheduling, and other support for Garrison Division.												
	Need: Consulting services of a broad programmatic nature not included under project-specific design or construction TOs.												
14.	Outreach, Plng, and Design to Secure User Commitments	Size pipelines, pumping stations, channels, storage, etc. and other necessary infrastructure to deliver raw water to end users. Update capex to reflect current market.	Aug-23	Prof Svcs				\$ 1.69	\$ 1.27	\$ 0.42			
	Scope: User briefings and necessary support, including conceptual designs, to secure project commitments.												
	Need: Define pipeline extensions to identify for users how and a what cost water will be delivered to their communities.												





## 2023 to 2025 Biennium Work Plan

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

August 5, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
15.	<b>Operational Planning and Asset Management Phase 3</b> Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes. Need: Finalize Garrison Diversion, State Water Commission, and USACE roles for system operation.	Refine details of diversions to/from Lake Ashtabula. Finalize stakeholder roles and responsibilities as it relates to system operation.	Feb-24	Prof Svcs				\$ 0.62	\$ 0.46	\$ 0.15			
			Aug-25	Prof Svcs									
16.	<b>Financial Planning Support</b> Scope: Continue to refine the financial model and provide scenarios as required to support users and the program. Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.	Update financial models; address state loan and financing program changes; end user funding, financing, and cost-share analyses; continued funding and finance outreach.	Aug-23	Prof Svcs				\$ 0.59	\$ 0.44	\$ 0.15			
17.	<b>Additional End User Outreach</b> Scope: Branch pipeline conceptual designs and other consulting assistance to potential end users. Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.	Conceptual designs and other consulting support to support end user understanding of core pipeline and applicable branch pipeline CapEx necessary to secure MOU signatures.		Prof Svcs				\$ -	\$ -	\$ -			
18.	<b>McClusky Canal Hydraulic &amp; Water Quality Investigation</b> Scope: Study and report on operation of the McClusky Canal to reliably supply flow to irrigators and the ENDAWS project. Need: The McClusky Canal and the Snake Creek Pumping Plant are critical components of the ENDAWS/RRVWSP system.	Evaluate canal improvements necessary to deliver flows. Develop operational plan to supply irrigators and ENDAWS/RRVWSP system while improving delivered water quality.	Apr-25	Prof Svcs	\$ 0.44	\$ 0.33	\$ 0.11						
19.	<b>ENDAWS Facilities Site Development Contract 1</b> Scope: Final design and bidding assistance with partial execution of the construction work by GDCD. Need: Provide site access for construction and ready site for substantial facilities construction beginning in 2028.	Access roads to proposed site of new Biota WTP, mass grading to prepare for structure construction, and temporary excavation support system for intake pumping station wetwell.	Apr-25	Prof Svcs	\$ 0.88	\$ 0.66	\$ 0.22						
20.	<b>ENDAWS BWTP Piloting and Treatability Study</b> Scope: water treatment piloting of preliminarily selected treatment processes with a 3-month duration. Need: Process demonstration necessary to make sure water quality treatment objectives can be met with selections.	Pilot scale treatment train consisting of preliminary treatment, UV disinfection, chlorination, and residual chloramine treatment.	Apr-25	Prof Svcs		\$ -	\$ -	\$ 0.87	\$ 0.65	\$ 0.22			
21.	<b>ENDAWS Facilities Supplemental Geotechnical Invest.</b> Scope: Additional borings and soil sampling expanding upon the initial program implemented during preliminary design. Need: More data needed to properly design foundations, structures, pavement, etc. for the new facilities.	Geotechnical borings; soil characterization, sampling and testing; and reporting to fully inform design team and contractors of on-site insitu soil characteristics.	Apr-25	Prof Svcs	\$ 0.89	\$ 0.66	\$ 0.22						
22.	<b>ENDAWS Facilities Utility Extensions Study</b> Scope: Study and report of electrical service extension to serve the new biota water treatment plant Need: There have been no recent studies of electrical service infrastructure necessary at the McClusky facilities site.	Evaluate substation needs and routing of 15 to 25 miles of high voltage power lines to serve the new BWTP. Identify permitting and easement requirements.		Prof Svcs	\$ -	\$ -	\$ -						



## 2023 to 2025 Biennium Work Plan

August 5, 2025

(\$246 mil Total Funding: \$4.5M Federal; \$180M State; \$61.5M Local Users)

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2023-25 Bien ENDAWS Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Development Budget (mil \$)			2023-25 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
23.	ENDAWS Transmission Pipeline Contract 2	10± mi of 72" pipeline, including one 96" diameter tunnels. Pipeline extends from ND Highway 14 east to the connection point with Contract 3.	Apr-25	Prof Svcs	\$ 1.78	\$ 1.34	\$ 0.45						
	Scope: Final design (30% docs to 90% plans and specs).												
	Need: Have next pipeline section nearly ready so when Federal funding is secured/allocated design can quickly be completed and construction can proceed.												
24.	ENDAWS Transmission Pipeline Contract 1	11± mi of 72" pipeline, including uup to five 96" diameter tunnels. Pipeline extends from BWTP at McClusky Canal east to ND Highway 14 connection point with Contract 2.	Apr-25	Prof Svcs	\$ 1.95	\$ 1.46	\$ 0.49						
	Scope: Final design (30% docs to biddable plans and specs) and bidding assistance.												
	Need: Have next pipeline section bid-ready so when Federal funding is secured/allocated construction can proceed.												
25.	Contingency	Budget flexibility to adapt to work plan changes and to pay for construction change orders typically running from 3 to 5% of original construction costs at bid time.		RRVWSP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6.30	\$ 4.72	\$ 1.57
	Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOs.												
	Need: Address and pay for changes that are sure to occur.										\$ 0.06	\$ 0.05	\$ 0.02
TOTAL PROGRAM BUDGET					\$ 15.48	\$ 11.61	\$ 3.87	\$ 19.02	\$ 14.27	\$ 4.76	\$ 211.50	\$ 158.62	\$ 52.87

**Notes:**

1. Construction costs include management, engineering services during construction, inspection, field quality control, and construction.
2. Projects indicated for construction funding in a given biennium will be shovel ready for construction at the start of the biennium.
3. Future capital costs are escalated to an anticipated midpoint of construction per Finance Team rates of 7, 6, 5, 5, and 3.5 percent per annum thereafter starting in 2022 with an anticipated 2032 finish. All future RRVWSP construction projects and costs are not shown.
4. Land services costs are the amount likely to be paid for real estate, easements, including bonus payments, crop damage, and field obstructions. Estimates include pipeline easements required for the ENDAWS east/west pipeline and remaining easements from the beginning of the Contract 4 transmission main to the Sheyenne River Outfall, with most located in Wells County.
5. Items appearing in blue bold are progressing with task orders and contracts issued to the engineering team and contractors, respectively. Items appearing in blue italics have been updated to reflect adjustments made for actual amounts contracted. Items shown in black text are pending. Items highlighted in yellow have changed from the previous version of the Work Plan.



## 2025 to 2027 Biennium Work Plan

(\$273.33M Total Funding: \$0.00 Federal; \$205.00M State; \$68.33M Local Users)

August 12, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
1.	<b>Garrison Diversion Conservancy District Budget</b> Scope: Account for all costs for which Garrison Diversion is responsible and not included in other Task Orders listed here. Need: Budget allocation for GDCD direct costs associated with the Red River Valley Water Supply Project.	Garrison Diversion's costs for the RRVWSP.	--	GDCD				\$ 1.00	\$ 0.75	\$ 0.25			
2.	<b>Property, Easements, and Crop Damage Payments<sup>4</sup></b> Scope: Crop damage payments to landowners and easement costs. Need: Treat landowners right and live up to commitments.	Easements for Washburn transmission main. Pay for crop damages program wide.	--	Crp Dmg				\$ 1.82	\$ 1.37	\$ 0.46			
3.	<b>Red River Valley Transmission Pipeline Contract 6B</b> Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	9.2± mi of 72" pl, including one 96" tunnel. Pipeline extends east from Contract 6A northeast of Kensal to a termination point southeast of Glenfield.	Jul-25 Oct-25	Prof Svcs Const, 2028 Fin							\$ 6.24	\$ 4.68	\$ 1.56
4.	<b>Red River Valley Transmission Pipeline Contract 6C</b> Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	8.4± miles of 72" pl, including three 96" tunnels. Pipeline section extends east from Ct 6B near Glenfield to a termination point south of Sutton.	Jul-25 Oct-25	Prof Svcs Const, 2028 Fin							\$ 7.14	\$ 5.35	\$ 1.78
5.	<b>Red River Valley Transmission Pipeline Contract 7A</b> Scope: Pipeline installation, including construction phase engineering services by Engineer. Need: Continue progress of transmission pipeline installation for completion of RRVWSP by the target end date.	6.5± mi of 72" pl, including three 96" tunnels. Pl section extends east from Ct 6C near Sutton to a termination point south of Cooperstown.	Jul-25 Dec-25	Prof Svcs Const, 2028 Fin							\$ 5.83	\$ 4.37	\$ 1.46
6.	<b>McClusky Facilities Final Design Services &amp; Bidding Assist</b> Scope: Final designs for McClusky Intake Pumping Station, Biota WTP, and McClusky Main Pumping Station. Need: Complete design so bids can be obtained for constructing the facilities.	165-cfs biota WTP, with chlorine and UV disinfection to meet NDPDES permit and FEIS requirements per Reclamation. Chloramines for residual disinfectant in pipeline.	Oct-25	Prof Svcs	\$ 15.00	\$ 11.25	\$ 3.75						
7.	<b>MO River Pumping Sta, Trans Main, &amp; Utilities Ext Ct 3</b> Scope: Final design, construction, and construction phase services for pumping station and transmission pl for Washburn. Need: Advance design, obtain bids, and construct new raw water supply for City of Washburn.	Raw water pumping station and transmission main from Missouri River Pumping Station to the City of Washburn water treatment plant.	Jan-26 Jan-27 Jan-27	Prof Svcs Prof Svcs Const				\$ 0.40	\$ 0.30	\$ 0.10			



## 2025 to 2027 Biennium Work Plan

(\$273.33M Total Funding: \$0.00 Federal; \$205.00M State; \$68.33M Local Users)

August 12, 2025

No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
8.	<b>McClusky Facilities Wetwell Excavation &amp; Site Dev Ct 1</b>	Access road improvements from Highway 200 north to the future biota water treatment plant site. Mass excavation of site and excavation of intake ps shaft.	Apr-26	Prof Svcs							\$ 1.20	\$ 0.90	\$ 0.30
	Scope: Construction and construction phase services for initial project at greenfield stie.												
	Need: Prepare site and ready it for future construction of the biota water treatment plant.										\$ 12.00	\$ 9.00	\$ 3.00
9.	<b>McClusky Facilities Intake, Tunnel, &amp; Shaft Liner Ct 2</b>	Passive intake screens/structure on the McClusky Canal along with a 72" tunnel to the shaft/pumping station wetwell. Concrete shaft liner inside circular shaft excavated under Ct 1.	Jan-26	Prof Svcs	\$ 2.00	\$ 1.50	\$ 0.50						
	Scope: Final design services and bidding assistance for second construction project at the facilities site.												
	Need: Complete specialty work ahead of the main biota water treatment plant construction.												
10.	<b>McClusky Facilities Utility Extensions Design</b>	Electrical system design to support a new power supply to the biota water treatment plant and associated ps along with the new ground storage reservoirs site.	Jan-26	Prof Svcs	\$ 1.50	\$ 1.13	\$ 0.38						
	Scope: Final design services and bidding assistance for power, natural gas, water utility extensions to the new sites.												
	Need: There is no 3-phase power available at the site so one needs to be developed to supply power needs of new facility.												
11.	<b>PMIS Annual Licenses &amp; Continued Maint/Upgrades</b>	Vendor fees (e-Builder & DocuSign) for licenses of expanded team and consulting support for training of GCs/subs and workflow/report additions and mods.	Jul-25	Prof Svcs				\$ 0.69	\$ 0.52	\$ 0.17			
	Scope: Annual software license renewal for expanded team and consulting support for training and configuration services.												
	Need: Create greater efficiency and documentation for significant amount of construction related documents.												
12.	<b>Program Management Support</b>	Overall planning, management, administration, scheduling, budgeting, coordination, meeting preparation/attendance, regulatory interface, reporting, etc.	Oct-25	Prof Svcs				\$ 0.75	\$ 0.56	\$ 0.19			
	Scope: Overall program management, planning, budgeting, scheduling, and other support for Garrison Diversion.												
	Need: Consulting services of a broad programmatic nature not included under project-specific design or construction TOs.												
13.	<b>Project Participation Agreement Support</b>	Size pipelines, pumping stations, channels, storage, etc. and other necessary infrastructure to deliver raw water to end users. Update CapEx estimates to reflect market.	Oct-25	Prof Svcs				\$ 2.00	\$ 1.50	\$ 0.50			
	Scope: User briefings and necessary support, including conceptual designs, to secure project commitments.												
	Need: Define pipeline extensions to identify for users how and at what cost water will be delivered to their communities.												
14.	<b>Operational Planning Phase 4</b>	Refine details of diversions to/from Lake Ashtabula. Finalize stakeholder roles and responsibilities as it relates to system operation.	Oct-25	Prof Svcs				\$ 1.50	\$ 1.13	\$ 0.38			
	Scope: System modeling, evaluation, planning, and report development documenting results/findings/outcomes.												
	Need: Finalize Garrison Diversion, State Water Commission, and USACE roles for system operation.												



## 2025 to 2027 Biennium Work Plan

(\$273.33M Total Funding: \$0.00 Federal; \$205.00M State; \$68.33M Local Users)

August 12, 2025

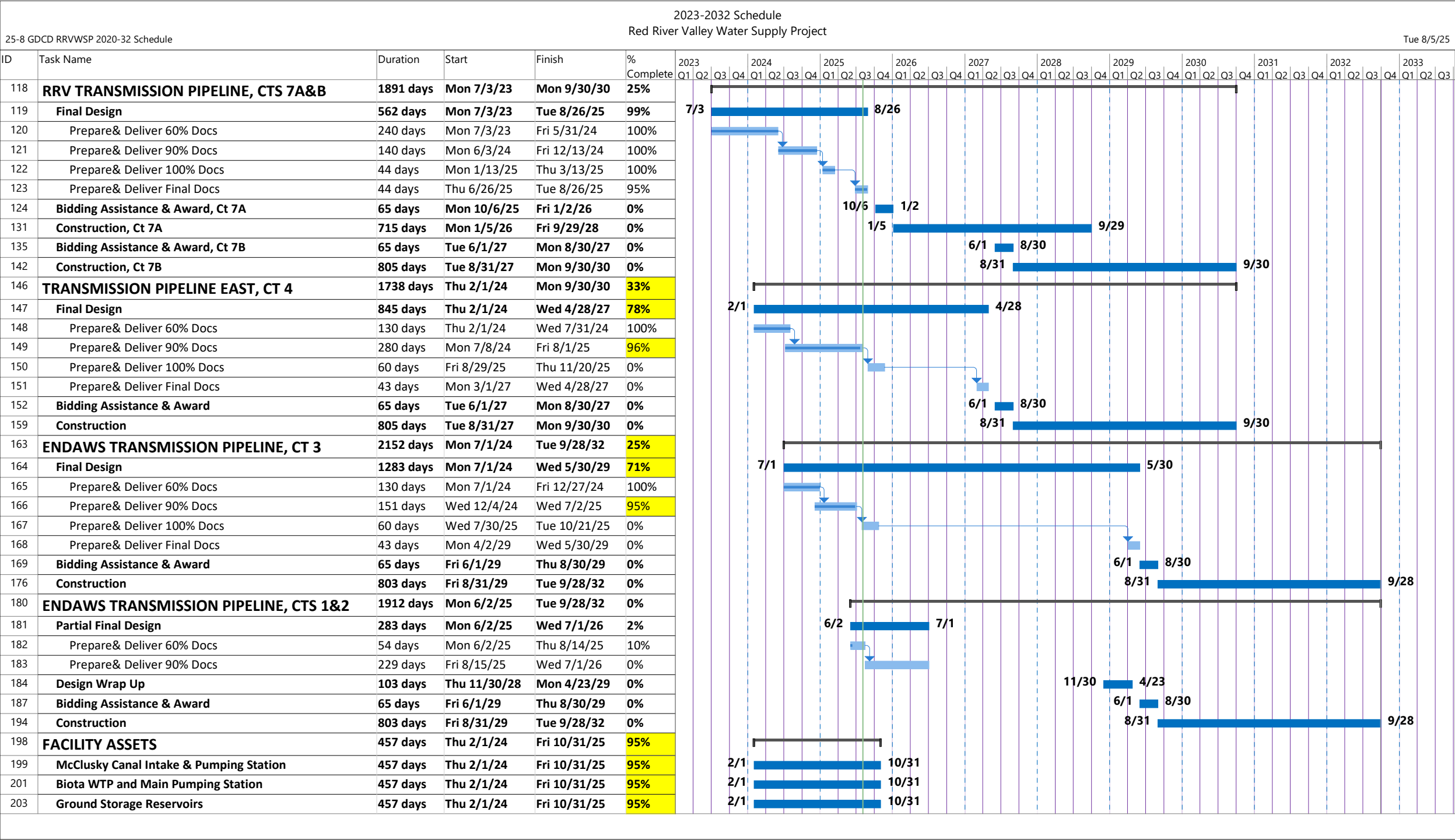
No.	Scope of Work	Feature	Date Task Orders Auth	Note	2025-27 Bien ENDAWS Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Development Budget (mil \$)			2025-27 Biennium RRVWSP Project Constr Budget (mil \$) <sup>1,2,3</sup>		
					Total	Fed/Sta 75%	Local 25%	Total	State 75%	Local 25%	Total	State 75%	Local 25%
15.	<b>Financial Planning Support</b>	Update financial models; address state loan and financing program changes; end user funding, financing, and cost-share analyses; continued funding and finance outreach.	Oct-25	Prof Srvs									
	Scope: Continue to refine the financial model and provide scenarios as required to support users and the program.				\$ 0.60	\$ 0.45	\$ 0.15						
	Need: Accurate water bill estimates and affordability for customers are necessary to gain approval from users.												
16.	<b>Contingency</b>	Budget flexibility to adapt to work plan changes and to pay for construction change orders typically running from 3 to 5% of original construction costs at bid time.	N/A	GD CD									
	Scope: A budget reserve for task order additions to professional services, construction, legal, real estate, etc. TOs.				\$ 0.93	\$ 0.70	\$ 0.23	\$ 0.44	\$ 0.33	\$ 0.11	\$ 14.43	\$ 10.83	\$ 3.61
	Need: Address and pay for changes that are sure to occur.												
TOTAL PROGRAM BUDGET					\$ 19.43	\$ 14.57	\$ 4.86	\$ 9.20	\$ 6.90	\$ 2.30	\$ 244.70	\$ 183.53	\$ 61.18

### Notes:

1. Construction costs include management, engineering services during construction, inspection, field quality control, and construction.
2. Projects indicated for construction funding in a given biennium will be shovel ready for construction at the start of the biennium.
3. Future capital costs are escalated to an anticipated midpoint of construction per Finance Team rates of 7, 6, 5, 5, and 3.5 percent per annum thereafter starting in 2022 with an anticipated 2032 finish. All future RRVWSP construction projects and costs are not shown.
4. Land services costs are the amount likely to be paid for real estate, easements, including bonus payments, crop damages, and field obstructions. Estimates include pipeline easements required for the Washburn transmission main and remaining easements on pipeline Contracts 1 through 4 in Sheridan and Wells Counties.

32



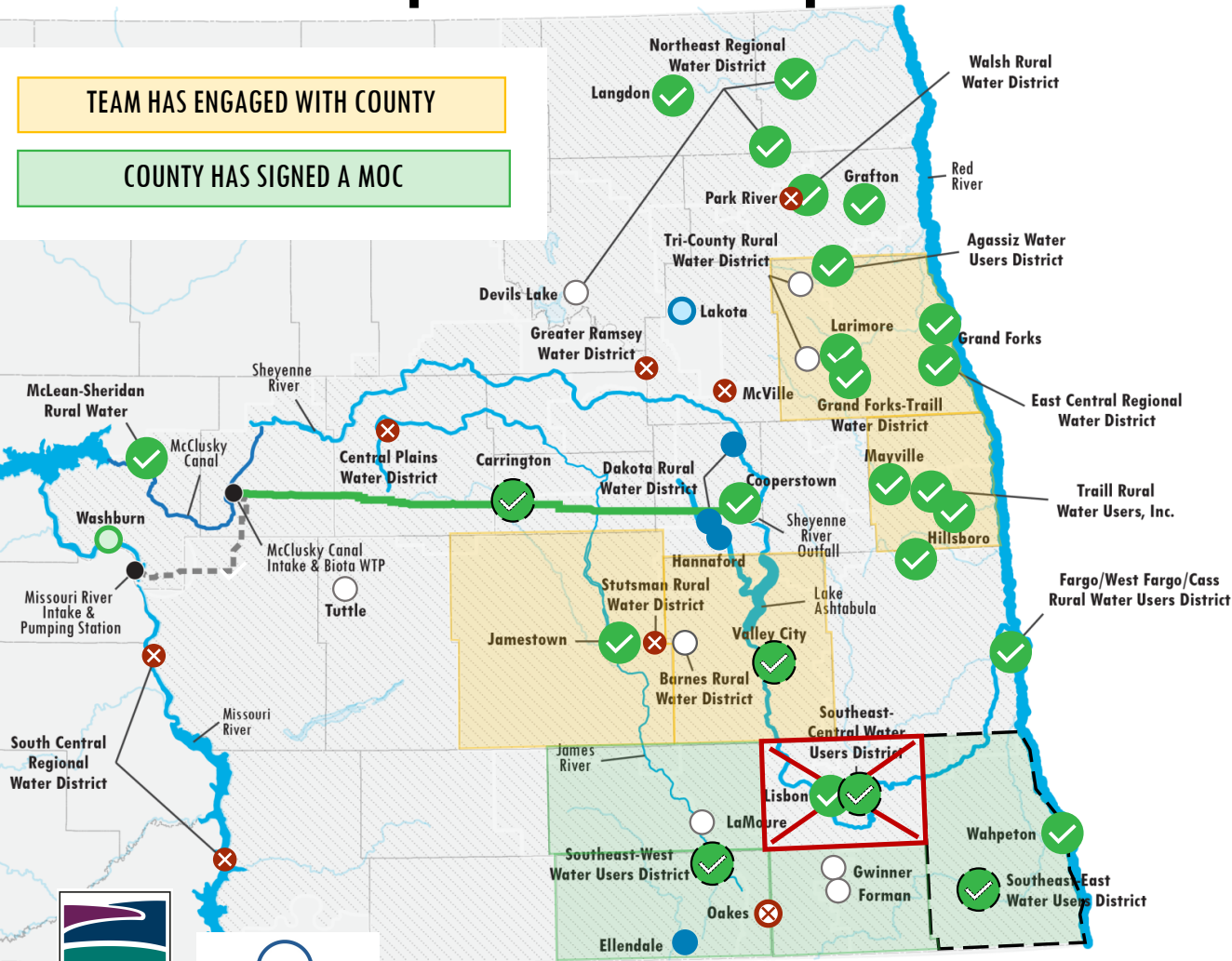


# RRVWSP Prospective Users Update



TEAM HAS ENGAGED WITH COUNTY

COUNTY HAS SIGNED A MOC



GENERAL PROJECT RESPONSE	PREVIOUS ASSUMPTION	PROJECTED
✓ Signed MOCs	149.35 cfs	153.52 cfs*
● Board/Commission Approval	0.00 cfs	0.00 cfs*
○ Nomination Change*	----	---
● Positive	0.75 cfs	0.75 cfs
○ Unknown/Has Concerns	2.53 cfs	0.00 cfs
✗ Declined	6.60 cfs	0.00 cfs
<b>Subtotal: 2016 Development Agreements</b>	<b>159.23 cfs</b>	<b>154.27 cfs</b>
NEW USER ADDITIONS		
County Additions	8.00 cfs	8.00 cfs
Signed New Municipalities	0.45 cfs	0.45 cfs
Interested Municipalities	0.20 cfs	0.20 cfs
New Municipality Declinations**	(1.60) cfs	(1.60) cfs
Engaged Counties	0.00 cfs	1.22 cfs
To Be Engaged Counties	0.00 cfs	TBD
<b>Subtotal: Potential Additions</b>	<b>8.65 cfs</b>	<b>9.87 cfs</b>

\*Nomination Changes Included in Projected Values **TOTAL 167.88 cfs 164.14 cfs**

\*\*Not Included in Total



July 09, 2025

# RRVWSP Prospective Users Update

July 09, 2025

ANTICIPATED PROJECT PARTICIPANTS	NOMINATION (CFS)	GENERAL RESPONSE
Fargo/ West Fargo/ Cass Rural Water District	83.70	Signed Series D2 MOC
Grand Forks	28.10	Signed Series D2 MOC
Jamestown	11.00	Signed MOC
Wahpeton	6.00	Signed MOC
East Central Regional Water District (Grand Forks Traill, Traill Rural, Larimore)	4.40 (3.00, 1.10, 0.30)	Signed MOC
Stutsman Rural Water District	4.00	Declined
Southeast Water Users District	4.00	Signed MOC
Richland County	4.00	Signed MOC with Nomination Increase
Northeast Regional Water District & Langdon	3.20	Signed MOC
Grafton	2.00	Signed MOC
Valley City	2.00	Signed Series D2 MOC with Nomination Increase
Lisbon	1.00	Signed MOC
Walsh Rural Water District	1.00	Signed MOC
Agassiz Water Users District	1.00	Signed MOC
Tri-County Rural Water District	1.00	On the Fence
Devils Lake	1.00	On the Fence with Discussion of Branch Pipeline Terminations
Greater Ramsey Rural Water	1.00	Declined
Dakota Rural Water District	0.70	Positive
Central Plains Water District	0.60	Declined
Oakes	0.60	Previously a Potential Addition, but has Now Declined
Carrington	0.50	Signed Series D2 MOC with Nomination Decrease
Mayville	0.50	Signed Series D2 MOC
Hillsboro	0.50	Signed Series D2 MOC
Barnes Rural Water District	0.50	Previously Withdrew but Reconsidering
South Central Regional Water District	0.50	Declined
Washburn	0.45	Signed MOC
McLean-Sheridan Water District	0.42	Signed MOC
Park River	0.40	Declined
Lakota	0.20	Potential Addition with Discussion of Branch Pipeline Terminations
Cooperstown	0.20	Signed Series D2 MOC
McVie	0.10	Declined
Hannaford	0.05	Will be served by Dakota Rural Water District in the future
Tuttle	0.02	On the fence
Forman	0.01	Considering
Sargent County	1.00	Signed MOC
LaMoure County	3.00	Signed MOC
Dickey County	4.00	Signed MOC
Ransom County	----	Previously a Potential Addition, but has Now Declined
Grand Forks County	----	Team has Engaged with the County
Traill County	----	Team has Engaged with the County
Stutsman County	----	Team has Engaged with the County
Barnes County	----	Team has Engaged with the County