

# Board Agenda

## Diversion Board of Authority

July 27, 2023 @ 3:30 p.m. CST

This meeting will be in-person at Fargo City Hall Commission Chambers (225 4<sup>th</sup> St N, Fargo, ND 58102) and online.

1. Call to Order
  - a. Roll Call of Members
2. Approve minutes from June 22, 2023  
[Attachment 00.01] (Pg. 3)
3. Approve Order of Agenda

### CONSENT AGENDA – APPROVE THE FOLLOWING:

- a. Finance Report [Attachment 01.00] (Pg. 7)
- b. Voucher Approval [Attachment 02.00] (Pg. 38)
- c. 2023 Cash Budget Change Request [Attachment 03.00] (Pg. 45)
  - i. BCR – 016 Insurance [Attachment 03.01] (Pg. 47)
- d. DA Board Approval Contract Actions – None for Approval
- e. MOUs and Agreements [Attachment 04.00] (Pg. 48)
  - i. Cass County SWDCAI MOU, Amendment 1 [Attachment 04.01] (Pg. 50)

### REGULAR AGENDA:

4. Executive Director Report  
[Attachment 05.00] (Pg. 91)
5. General Counsel Update
6. Construction Project Updates
  - a. USACE Project Update  
[Attachment 06.00] (Pg. 93)
  - b. SWDCAI Project Update  
[Attachment 07.00] (Pg. 95)
  - c. Drone Footage Video
7. Communications Team Update

8. Land Management Update
    - a. Property Acquisition Status Report  
[Attachment 08.00] (Pg. 96)
  9. Finance Update
    - a. WP47 A Recommendation to Reject Bid  
[Attachment 09.00] (Pg. 102)
  10. Other Business
  11. Next Meeting: August 24, 2023
  12. Adjournment
- 

## MEDIA AND PUBLIC PARTICIPATION INFORMATION

There are multiple ways to attend or watch this public meeting.

- View the Meeting on Fargo TV or at [www.TVFargo.com](http://www.TVFargo.com)
- View the Meeting on the City of Fargo's Facebook or Twitter feed.
- View the Meeting at [FMDiversion.com/Meeting](http://FMDiversion.com/Meeting)
- View the Meeting at [Twitter.com/FMDiversion](https://twitter.com/FMDiversion)



# Metro Flood Diversion Authority Board of Authority Meeting Minutes

3:30 P.M. – June 22, 2023

City of Fargo Commission Chambers

A regular meeting of the Metro Flood Diversion Authority Board of Authority was held on June 22, 2023. The following members were present: Dr. Tim Mahoney, Mayor, City of Fargo; Bernie Dardis, Mayor, City of West Fargo; Shelly Carlson, Mayor, City of Moorhead; Chad Peterson, Cass County Commissioner; Dave Piepkorn, Fargo City Commissioner; David Ebinger, Clay County Commissioner; John Strand, Fargo City Commissioner; Kevin Campbell, Clay County Commissioner and Mary Scherling, Cass County Commissioner.

Member(s) absent: Chuck Hendrickson, Moorhead City Council; Tony Grindberg, Cass County Commissioner; Rodger Olson, Cass County Joint Water Resource District and Larry Seljevold, Moorhead City Council.

1. CALL TO ORDER  
Mayor Mahoney called the meeting to order at 3:30 PM. Roll call was taken, and a quorum was present.
  2. APPROVE MINUTES FROM THE MAY 2023 MEETING  
MOTION PASSED  
Mr. Campbell moved to approve the minutes from the May 2023 meeting and Mayor Dardis seconded the motion. On a voice vote, the motion carried.
  3. APPROVE ORDER OF AGENDA  
MOTION PASSED  
Mayor Carlson moved to approve the order of the agenda and Mr. Ebinger seconded the motion. On a voice vote, the motion carried.
- CONSENT AGENDA  
MOTION PASSED  
Mr. Peterson moved to approve the Consent Agenda and Mr. Ebinger seconded the motion. On a roll call vote, the motion carried.
4. EXECUTIVE DIRECTOR REPORT  
Mr. Paulsen provided the following updates:  
Happenings
    - Team meeting with RRVA and reviewing plans
    - Working with USACE on future designs
    - Meeting with utility owners and local governments on MOUs
    - Met with FEMA to provide best management practices that can be used at the national level for flood risk management
    - FEMA Mitigation Course attendees toured project

- Met with City of Denver regarding best management practices for a P3 project in coordination with USACE

5. GENERAL COUNSEL UPDATE

Mayor Mahoney reported that Mr. Paulsen’s performance evaluation was completed, and he and other board members will dialogue to determine the amount of his increase.

6. CONSTRUCTION PROJECT UPDATES

a. USACE Project Update

Ms. Williams provided the following USACE update:

**1 Diversion Inlet Structure (DIS) – Construction**

Structure includes 3-50 ft. wide Tainter gates. Construction is 94% complete. Construction completion date of 7 June 2023 being delayed into July due to PT bar fix modification. Installation of the 3 gates complete. Bridge beams/deck being installed. Schedule for remaining primary features:  
2023: Install bridge and mechanical platform deck, operating machinery, seeding.  
2024: Turf established.

**2 Wild Rice River Structure (WRRS) – Construction**

Structure includes 2-40 ft. wide Tainter gates. Construction is 86% complete and remains on schedule. The construction completion date is 3 December 2023. Preparations being made to construct earthen dam across old Wild Rice River channel. Installation of mechanical platform/vehicle service bridge ongoing. Remaining schedule:  
2023: Control building, install gate operating machinery, dam embankment, seeding.  
2024: Turf established.

**3 I-29 Raise – Construction**

Includes approximately 4 miles of interstate raise between County Roads 16 and 18. Construction is 74% complete. Constructing bridge deck, aprons and abutment walls. Paving of the mainline raise to be complete Summer 2023.

**4 Southern Embankment – Reach SE-1 (Western Tieback) - Construction**

Construction was completed 10 November 2022. Partial turnover to the Diversion Authority for Operations and Maintenance occurred on 29 December 2022. O&M Manual being completed.

**5 Red River Structure (RRS) - Construction**

Structure includes 3-50 ft. wide Tainter gates. Construction is 20% complete. Construction completion date is 19 March 2026. Placement of foundation and stilling basin stabilization slabs ongoing. FMM Project’s largest mass concrete placement occurred on 9 June at over 2600 cy.

**6 Drain 27 Wetland Mitigation Project - Construction**

Construction was completed 2 December 2022. Native plantings 5-year service contract was awarded 17 May 2023, with a completion date of 1 December 2027.

**7 Drayton Dam Mitigation Project Design - Construction**

Construction is 54% complete. Contractor notched existing dam to drawdown work area. Removal of the existing dam planned will restart 19 June 2023. Construction completion is 30 September 2023.

**8 Southern Embankment – Reach SE-2A - Construction**

Construction is 27% complete. Contractor is back on site and is remobilizing equipment. Scheduled completion date is 30 September 2024.

**9 Southern Embankment Design – All remaining reaches are being designed.**

- SE-1B: BCOES review Aug 2023 ..... Contract award: February 2024
- SE-2B: BCOES review complete 9 June 2023 ..... Contract award: April 2024
- SE-3: 65% review starts Aug 2023 ..... Contract award: January 2025
- SE-4: 65% review starts Aug 2023 ..... Contract award: April 2024
- SE-5: 65% review starts late-July 2023 ..... Contract award: January 2025
- OHB Reach 43B: 95% review starts July 2023 ..... Contract award: February 2024

b. SWDCAI Project Update

Mr. Bakkegard provided an update of the construction map that shows current work in progress, 30 and 60 day projected progress:

Design Submittal & Review Progress:

- Nearing 1,400 review cycles
- 87 approved designs
  - o 61 utility
  - o 26 other

Construction Look Ahead:

- Channel Excavation
  - o Reach 3-5
  - o Cultural Monitoring
- Bridges/Crossings
  - o CR-81 – Bypass
  - o CR-32 – Settlement
  - o I-29 – Bypass
  - o CR-22, 20, 10 – Upcoming
- Drain Inlets
  - o Drain 30
  - o Outlet & Drain 29
- Maple River Aqueduct
- Utilities
  - o Between CR22 & 52nd Ave. S

c. Drone Footage

A drone video highlighting the progress that has been achieved since May was viewed.

7. COMMUNICATIONS UPDATE

Ms. Willson provided the following Communications update:

Videos:

- Faces of the Diversion: Mayors (leadership) released in May

Social Media:

- Strong performance first half of this year
- LinkedIn reposts up 35%, comments up 29.4%
- Facebook reach over past 90 days up 168.7%

Upcoming Media:

- Aqueducts story in The Forum
- Joel on Talk of the Town, WDAY-AM, July 12

8. LAND MANAGEMENT UPDATE

a. Property Acquisition Status Report

Ms. Smith provided the following property acquisition status report:

- 87.3% completion in the Construction Footprint
- 39.5% completion in the UMA Footprint
- 70.2% of the parcels in the Southern Embankment have been acquired
- 39.5% of the parcels in the Upstream Mitigation Area have been acquired
- 72.6% of the Environmental Easements have been signed
- 93.2% of the parcels in the Stormwater Diversion Channel have been acquired
- 97.4% of the Oxbow-Hickson-Bakke levee
- 100% MFDA constructed in-town levees and the Drayton Dam mitigation is completed

Key Activities

- Continue negotiating settlement agreements for existing eminent domain actions
- In the last month, successfully closed 23 parcels / 11 landowners
- Batch #8 next steps letters and eminent domain filing authorization requested from CCJWRD for 3 property owners
- Focused on coordinating completion of appraisals for remaining property needs in UMA and Southern Embankment
- Prepared the first plat of project land for the SWDCAI (for lands in Wisner Township)
- Initiated home removal/demo work under WP38A (5 properties (4 in ND, 1 in MN))

9. FINANCE UPDATE

Finance Report

Mayor Dardis reported that the bills payable as of June 14, 2023, total \$2,940,522 and the current net position is \$185,014,599. Mayor Dardis also reported that the Salem Cemetery and BNSF agreements were approved.

10. OTHER BUSINESS

There was no other business to report.

11. NEXT MEETING

The next meeting will be July 27, 2023.

12. ADJOURNMENT

The meeting adjourned at 4:06 PM.



**FM Metropolitan Area Flood Risk Management Project**  
**Statement of Net Position**  
**June 30, 2023**

	<b>FM Diversion Project Fund</b>	<b>Budget Fund</b>	<b>Grand Total</b>
<b>Assets</b>			
Cash	\$ 142,224,321	\$ 339,116	\$ 142,563,437
Cash Horace 3.01 MIT	5,114,355	-	5,114,355
Cash BRRWD	8,280,000	-	8,280,000
Cash Held In Trust at BND			
Excess Revenue Fund	219,110	-	219,110
Temp Debt Obligation Fund	216,710	-	216,710
Authority Loan Fund	51,850	-	51,850
P3 Reserve Fund	16,129,157	-	16,129,157
SRF Loan Reserve Fund	2,285,949	-	2,285,949
Revenue Fund	409	-	409
Prepaid Expense	523,862	-	523,862
<b>Total assets</b>	<b>175,045,722</b>	<b>339,116</b>	<b>175,384,838</b>
<b>Liabilities</b>			
Vouchers payable	18,195	118,397	136,592
Retainage payable	189,383	-	189,383
Rent Deposit	14,987	-	14,987
Deferred Revenue	11,500	-	11,500
<b>Total liabilities</b>	<b>234,065</b>	<b>118,397</b>	<b>352,462</b>
<b>NET POSITION</b>	<b>\$ 174,811,657</b>	<b>\$ 220,719</b>	<b>\$ 175,032,376</b>



**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
770-7910-429.11-00	7/6/2023	328751	Cass County Government	\$85,153.31	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Full Time Staff / Salaries</b>				<b>\$85,153.31</b>			
770-7910-429.20-01	7/6/2023	328751	Cass County Government	\$7,185.00	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Employee Benefits / Health Insurance</b>				<b>\$7,185.00</b>			
770-7910-429.20-03	7/6/2023	328751	Cass County Government	\$200.00	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Employee Benefits / Dental Insurance</b>				<b>\$200.00</b>			
770-7910-429.20-06	7/6/2023	328751	Cass County Government	\$36.50	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Employee Benefits / Vision Insurance</b>				<b>\$36.50</b>			
770-7910-429.21-01	7/6/2023	328751	Cass County Government	\$5,153.16	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Employee Benefits / Social Security</b>				<b>\$5,153.16</b>			
770-7910-429.21-02	7/6/2023	328751	Cass County Government	\$1,205.17	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Employee Benefits / Medicare</b>				<b>\$1,205.17</b>			
770-7910-429.22-07	7/6/2023	328751	Cass County Government	\$10,439.79	DIVERSION PAYROLL EXP	V00106	EXECUTIVE DIRECTOR
<b>Pension Benefits / Retirement</b>				<b>\$10,439.79</b>			
770-7910-429.33-37	6/15/2023	328294	HighRoad Partners, LLC	\$700.00	JUNE HR PARTNER	V09701	HR SERVICES
<b>Other Services / HR Services</b>				<b>\$700.00</b>			
770-7910-429.34-15	6/15/2023	328321	Marco Technologies	\$2,577.72	DIVERSION IT SERVICES	V10301	SERVICE AGREEMENT - IT
	6/29/2023	328617	CONSOLIDATED COMMUNI	\$470.00	ACCT #701-150-0113/0	V00106	EXECUTIVE DIRECTOR
<b>Technical Services / Computer Services</b>				<b>\$3,047.72</b>			
770-7910-429.53-20	7/6/2023	328751	Cass County Government	\$1,859.41	DIVERSION MISC EXPENSES	V00106	EXECUTIVE DIRECTOR
<b>Communications / Cellular Phone Service</b>				<b>\$1,859.41</b>			
770-7910-429.56-60	7/6/2023	328751	Cass County Government	\$1,385.05	DIVERSION MISC EXPENSES	V00106	EXECUTIVE DIRECTOR
<b>In State Travel / In State Travel Expenses</b>				<b>\$1,385.05</b>			
770-7910-429.57-60	7/6/2023	328751	Cass County Government	\$1,427.56	DIVERSION MISC EXPENSES	V00106	EXECUTIVE DIRECTOR
<b>Out of State Travel / Out of State Travel Exp</b>				<b>\$1,427.56</b>			

Data Through Date: Friday, June 30, 2023

**Summary Of Expenses**  
**EXP-2023-06**

Wednesday, July 26, 2023

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
770-7910-429.61-10	7/6/2023	328751	Cass County Government	\$1,766.98	DIVERSION MISC EXPENSES	V00106	EXECUTIVE DIRECTOR
<b>General Supplies / Office Supplies</b>				<b>\$1,766.98</b>			
770-7910-429.68-30	7/6/2023	328751	Cass County Government	\$2,414.53	DIVERSION MISC EXPENSES	V00106	EXECUTIVE DIRECTOR
<b>Miscellaneous / Meeting Incidentals</b>				<b>\$2,414.53</b>			
770-7910-429.74-12	7/6/2023	328751	Cass County Government	\$170.16	DIVERSION MISC EXPENSES	V00106	EXECUTIVE DIRECTOR
<b>Capital Outlay / Computer Software</b>				<b>\$170.16</b>			
<b>770 Subtotal</b>				<b>\$122,144.34</b>			
790-7910-429.33-25	7/5/2023	1035	OHNSTAD TWICHELL PC	\$102,398.42	Ohnstad Twichell PC	V00102	General & Admin. WIK
<b>Other Services / Legal Services</b>				<b>\$102,398.42</b>			
790-7910-429.34-20	6/22/2023	328518	Neon Loon Communications, LL	\$11,135.00	COMMUNICATIONS SUPPORT	V09601	COMMUNICATIONS SUPPORT
	6/29/2023	328663	Michael H Klein	\$1,275.00	PUBLICICE OUTREACH/COMM	V07201	COMMUNICATION CONSULTING
	7/6/2023	328750	C THREE MEDIA, LLC	\$7,329.35	VIDEOGRAPHY SERVICES	V08601	VIDEOGRAPHY
<b>Technical Services / Marketing / Public Relat.</b>				<b>\$19,739.35</b>			
790-7910-429.34-40	6/15/2023	328274	Flint Group	\$150.00	DIVERSION WEBSITE DESIGN	V10201	WEBSITE DESIGN
<b>Technical Services / Web Site Develop/Maintain</b>				<b>\$150.00</b>			
790-7910-429.34-56	6/27/2023	ES062300	City of Fargo	\$16,974.00	FISCAL AGENT FEE - 06/23	V05902	MONTHLY FISCAL AGENT FEE
<b>Technical Services / FMDA Fiscal Agent Fees</b>				<b>\$16,974.00</b>			
790-7910-429.38-68	6/15/2023	328278	GA Group, PC	\$4,000.00	JUNE GOV RELATIONS COUNSE	V07601	2021 GOVERNMENT RELATIONS
<b>Other Services / Lobbyist</b>				<b>\$4,000.00</b>			
790-7910-429.42-05	6/15/2023	328228	Ambassador, Inc.	\$925.00	DIVERSION OFFICE CLEANING	V10501	JANITORIAL SERVICES
<b>Cleaning Services / Custodial Services</b>				<b>\$925.00</b>			
790-7910-429.54-40	6/15/2023	328275	FORUM COMMUNICATIONS	\$1,750.00	DIVERSION ADS	V11501	MARKETING SERVICES
<b>Advertising / Other Advertising</b>				<b>\$1,750.00</b>			
790-7915-429.33-05	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$216,055.76	FM DIVERSION PROJECT	V01633	DESIGN & CONST. SUPPORT
	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$54,978.30	FM DIVERSION PROJECT	V01634	H&H MITIG. & PERMIT SUPPO
<b>Other Services / Engineering Services</b>				<b>\$271,034.06</b>			

**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7920-429.33-05	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$71,652.77	FM DIVERSION PROJECT	V01633	DESIGN & CONST. SUPPORT
	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$9,172.50	FM DIVERSION PROJECT	V01634	H&H MITIG. & PERMIT SUPPO
<b>Other Services / Engineering Services</b>				<b>\$80,825.27</b>			
790-7920-429.33-79	6/15/2023	328248	CH2M Hill Engineers Inc	\$523,254.52	PROGRAM MGMT & SERVICES	V00211	CH2M HILL-6/2019-12/2021
	6/15/2023	328248	CH2M Hill Engineers Inc	\$554,374.79	SUPPORT SERVICES	V00212	P3 PROCUREMENT SUPPORT
<b>Other Services / Construction Management</b>				<b>\$1,077,629.31</b>			
790-7930-429.33-05	6/8/2023	328067	HDR Engineering, Inc.	\$44,166.09	HDR ENGINEERING, INC	V01201	Cass Joint Water ROE
	6/8/2023	328067	Prosource Technologies, Inc	\$15,718.50	PROSOURCE TECHNOLOGIES	V01201	Cass Joint Water ROE
	6/8/2023	328067	SRF Consulting Group	\$38,866.96	SRF CONULTING GROUP, INC.	V01201	Cass Joint Water ROE
	6/8/2023	328067	ULTEIG ENGINEERS INC	\$12,317.35	ULTEIG ENGINEERS, INC.	V01201	Cass Joint Water ROE
	6/8/2023	328072	MOORE ENGINEERING INC	\$62,225.45	MOORE ENGINEERING, INC.	V10601	CITY OF CHRISTINE MOU
	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$22,534.10	FM DIVERSION PROJECT	V01633	DESIGN & CONST. SUPPORT
	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$17,580.99	FM DIVERSION PROJECT	V01634	H&H MITIG. & PERMIT SUPPO
	6/22/2023	328417	ADVANCED ENGINEERING I	\$204,745.99	FM DIVERSION	V00302	PROGRAM MGMT SERVICES
	6/29/2023	328607	HDR Engineering, Inc.	\$44,386.03	HDR ENGINEERING, INC	V01201	Cass Joint Water ROE
	6/29/2023	328607	SRF Consulting Group	\$27,498.61	SRF CONSULTING GROUP, INC	V01201	Cass Joint Water ROE
	6/29/2023	328607	ULTEIG ENGINEERS INC	\$16,191.25	ULTEIG ENGINEERS, INC.	V01201	Cass Joint Water ROE
<b>Other Services / Engineering Services</b>				<b>\$506,231.32</b>			
790-7930-429.33-25	6/8/2023	328067	Larkin Hoffman Attorneys	\$10,712.31	LARKIN HOFFMAN ATTORNEYS	V01201	Cass Joint Water ROE
	6/8/2023	328067	OHNSTAD TWICHELL PC	\$132,501.16	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	6/8/2023	328072	Swanson & Warcup	\$4,764.00	SWANSON & WARCUP	V10601	CITY OF CHRISTINE MOU
	6/29/2023	328607	Larkin Hoffman Attorneys	\$27,644.25	LARKIN HOFFMAN ATTORNEYS	V01201	Cass Joint Water ROE
	6/29/2023	328607	OHNSTAD TWICHELL PC	\$161,551.18	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	6/29/2023	328607	OHNSTAD TWICHELL PC	\$764.00	OHNSTAD TWICHELL, P.C.	V01203	Cass Joint Water OHB
<b>Other Services / Legal Services</b>				<b>\$337,936.90</b>			
790-7930-429.33-32	6/8/2023	328067	Tinjum Appraisal Company, Inc.	\$6,550.00	TINJUM APPRAISAL COMPANY	V01201	Cass Joint Water ROE
	6/29/2023	328607	CROWN APPRAISALS	\$1,000.00	CROWN APPRAISALS, INC	V01201	Cass Joint Water ROE
<b>Other Services / Appraisal Services</b>				<b>\$7,550.00</b>			

**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7930-429.33-79	6/15/2023	328248	CH2M Hill Engineers Inc	\$32,241.38	PROPERTY ACQUISITION	V00210	CH2M HILL-LAND ACQUISITON
<b>Other Services / Construction Management</b>				<b>\$32,241.38</b>			
790-7930-429.38-95	7/6/2023	328789	JT LAWN SERVICE LLC	\$10,839.00	MOWING & WEED CONTROL	V10401	MOWING/WEED CONTROL MGM
<b>Other Services / Mowing Services</b>				<b>\$10,839.00</b>			
790-7930-429.38-99	6/8/2023	328067	ALL AMERICAN PLUMBING	\$1,280.00	ALL AMERICAN PLUMBING &	V01701	ND LAND PURCH-OUT OF TOWN
<b>Other Services / Other Services</b>				<b>\$1,280.00</b>			
790-7930-429.52-70	6/15/2023	328391	Watts and Associates, Inc.	\$4,991.35	CROP INS DEVELOPMENT	V06901	CROP INSURANCE DEVELOPMN
<b>Insurance / Crop Insurance</b>				<b>\$4,991.35</b>			
790-7930-429.61-50	6/8/2023	328067	CASS COUNTY JOINT WATE	\$88.26	UPS	V01201	Cass Joint Water ROE
	6/29/2023	328607	CASS COUNTY JOINT WATE	\$20.04	CASS COUNTY JOINT WRD	V01201	Cass Joint Water ROE
<b>General Supplies / Postage</b>				<b>\$108.30</b>			
790-7930-429.62-51	6/8/2023	328067	Cass County Electric Cooperativ	\$239.65	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	6/22/2023	328445	Cass County Electric Cooperativ	\$118.00	ACCT #1184422 DIVERSION	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	Cass County Electric Cooperativ	\$221.20	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
<b>Energy / Electricity</b>				<b>\$578.85</b>			
790-7930-429.67-11	6/8/2023	328067	1992 - HAHN	\$22,950.00	AMERICAN CUSTOM DECKS	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	8385 - ERIC J SCORE	\$45,264.11	ERIC SCORE	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1112 - TERRY M & KRISTIE	\$3,113.00	A-1 SERVICES GOES ANYWHERE	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1113 - TERRY M & KRISTIE	\$3,113.00	A-1 SERVICES GOES ANYWHERE	V01701	ND LAND PURCH-OUT OF TOWN
<b>Relocation / Residential Buildings</b>				<b>\$74,440.11</b>			
790-7930-429.67-12	6/8/2023	328067	8385 - ERIC J SCORE	\$134,121.00	SCORE BROS CONSTRUCTION	V01701	ND LAND PURCH-OUT OF TOWN
<b>Relocation / Commercial Buildings</b>				<b>\$134,121.00</b>			
790-7930-429.68-10	6/8/2023	328067	FOUR B FARMS	\$5,700.00	FOUR B FARMS	V01201	Cass Joint Water ROE
<b>Miscellaneous / Miscellaneous</b>				<b>\$5,700.00</b>			

**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7930-429.71-30	6/8/2023	328067	0027N - LEO A & SHIRLEY J	\$916,701.67	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	0851 - WARD	\$916,701.67	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	0853 - RICHARD 3	\$916,701.67	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	1083N - LEO A & SHIRLEY J	\$916,701.67	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	1118N - CASS COUNTY JOIN	\$3,647,351.53	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	1965 - WARD	\$916,701.66	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5004 - DAVID GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5009 - DAVID GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5010 - DAVID GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5011 - DAVID GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5012 - DAVID GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5035 - LEO A & SHIRLEY J RI	\$916,701.66	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	5055N - CASS COUNTY JOIN	\$2,531.60	DAVID GERMANSON	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9054 - GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9055 - GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9056 - GERMANSON	(\$55,075.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9199N - LISA LOBERG ETAL	(\$10,404.45)	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9738N - STEVE LOBERG	(\$334,000.00)	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9739N - STEVE LOBERG	(\$334,000.00)	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9750 - TINTES	\$100,000.00	MARY ANN TINTES	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	9751N - MARY ANN TINTES	\$100,000.00	MARY ANN TINTES	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	0027 - LEO A & SHIRLEY J RI	(\$343,400.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	0822 - DUVAL 2	\$1,600.00	MICHAEL TCHIDA	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	0839 - MUELLER	\$151,777.60	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1078X - MARGARET PRONO	\$1,512,465.50	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1083 - LEO A & SHIRLEY J RI	(\$343,400.00)	CLERK OF DISTRICT COURT	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1181N - EDWARD O SAMUEL	\$10,898.69	EDWARD O SAMUELSON REVOC	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1182N - EDWARD O SAMUEL	\$10,898.69	EDWARD O SAMUELSON REVOC	V01701	ND LAND PURCH-OUT OF TOWN
	6/28/2023	ES062300	0822 - DUVAL 2	(\$1,600.00)	TO RECLASS REFUND PAYMENT	V01701	ND LAND PURCH-OUT OF TOWN
	6/28/2023	ES062300	1127 - GORDON & ELIZABET	(\$138.29)	TO RECLASS REFUND PAYMENT	V01701	ND LAND PURCH-OUT OF TOWN
	6/28/2023	ES062300	1129 - JOSEPH W MERZ	(\$500.00)	TO RECLASS REFUND PAYMENT	V01701	ND LAND PURCH-OUT OF TOWN

**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7930-429.71-30	6/28/2023	ES062300	1131 - JONATHAN DEAN & T	(\$1,500.00)	TO RECLASS REFUND PAYMENT	V01701	ND LAND PURCH-OUT OF TOWN
	6/28/2023	ES062300	1926 - YOUNG 2	(\$1,000.00)	TO RECLASS REFUND PAYMENT	V01701	ND LAND PURCH-OUT OF TOWN
<b>Land / Land Purchases</b>				<b>\$9,227,190.87</b>			
790-7930-429.71-31	6/8/2023	328067	2023 - ARMBRUST	\$19,017.50	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/8/2023	328067	7227 - DUSTIN R & CALLIE J	\$19,017.50	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1551 - ROGNE	\$18,585.00	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1975 - MATHISON 3	\$5,404.80	RAYMOND & KATHERIN KVALV	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	1996X - K-F FARM PARTNER	\$465,092.50	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	2001 - KFFARM	\$465,092.50	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	2003 - MELL	\$304,720.00	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	7220 - MELVIN DENNIS & TO	\$8,561.66	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	8856 - HEITMAN	\$5,404.80	RAYMOND & KATHERIN KVALV	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	9995 - BOLTON	\$8,561.67	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
	6/29/2023	328607	9998 - BOLTON	\$8,561.67	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
<b>Land / Easements</b>				<b>\$1,328,019.60</b>			
790-7930-429.73-70	6/8/2023	328068	Cass Rural Water	\$5,020.00	UTILITY RELOCATION	V05009	WP38A WATER DISCONNECTIO
<b>Infrastructure / Utilities</b>				<b>\$5,020.00</b>			
790-7931-429.33-05	6/29/2023	328615	Prosource Technologies, Inc	\$14,315.55	PROSOURCE TECHNOLOGIES	V06201	MCCJPA - MN ROE
	6/29/2023	328615	SRF Consulting Group	\$20,246.59	SRF CONSULTING GROUP	V06201	MCCJPA - MN ROE
<b>Other Services / Engineering Services</b>				<b>\$34,562.14</b>			
790-7931-429.33-25	6/29/2023	328615	Minnesota Office of Administrati	\$367.50	STATE OF MINNESOTA	V06201	MCCJPA - MN ROE
	6/29/2023	328615	OHNSTAD TWICHELL PC	\$89,458.49	OHNSTAD TWICHELL	V06201	MCCJPA - MN ROE
<b>Other Services / Legal Services</b>				<b>\$89,825.99</b>			
790-7931-429.33-32	6/29/2023	328615	CROWN APPRAISALS	\$9,000.00	CROWN APPRAISALS, INC.	V06201	MCCJPA - MN ROE
	6/29/2023	328615	Patchin Messner Valuation Coun	\$4,500.00	PATCHIN MESSNER APPRAISALS	V06201	MCCJPA - MN ROE
<b>Other Services / Appraisal Services</b>				<b>\$13,500.00</b>			

**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7931-429.34-65	6/29/2023	328615	5274 - BYE WILLIAM J	\$1,795.04	WILLIAM BYE	V02301	MN LAND PURCHASES
	6/29/2023	328615	9075 - BYE WILLIAM J	\$638.62	WILLIAM BYE	V02301	MN LAND PURCHASES
	6/29/2023	328615	9326 - BYE 2	\$816.34	WILLIAM BYE	V02301	MN LAND PURCHASES
<b>Technical Services / Right of Entry Requests</b>				<b>\$3,250.00</b>			
790-7931-429.54-10	6/29/2023	328615	BARNESVILLE RECORD-REV	\$48.00	BARNESVILLE RECORD REVIEW	V06201	MCCJPA - MN ROE
<b>Advertising / Legal Publications</b>				<b>\$48.00</b>			
790-7931-429.62-51	6/29/2023	328615	RED RIVER VALLEY COOPE	\$53.94	RED RIVER VLLEY COOP	V02301	MN LAND PURCHASES
<b>Energy / Electricity</b>				<b>\$53.94</b>			
790-7940-429.33-06	6/15/2023	328237	BRAUN INTERTEC CORP	\$1,701.76	MATERIALS TESTING	V00407	TASK ORDER #5
<b>Other Services / Quality Testing</b>				<b>\$1,701.76</b>			
790-7941-429.33-05	6/15/2023	328249	MOORE ENGINEERING INC	\$7,605.00	REIMB MOORE ENGINEERING	V10102	LAGOON
<b>Other Services / Engineering Services</b>				<b>\$7,605.00</b>			
790-7950-429.33-05	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$5,207.14	FM DIVERSION PROJECT	V01633	DESIGN & CONST. SUPPORT
	6/22/2023	328551	MOORE ENGINEERING INC	\$1,865.00	REIMB MOORE ENGINEERING	V08801	RUSH RIVER-DRAIN EXPENSE
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$3,054.25	HOUSTON ENGINEERING INC	V05426	RR EROSION-UNIV & 52ND AV
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$32,435.05	HOUSTON ENGINEERING INC	V05431	STORM LIFT IMPR #47 & #48
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$8,107.00	HOUSTON ENGINEERING INC	V05411	FLOOD MIT-OAK GROVE AREA
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$387.50	HOUSTON ENGINEERING INC	V05410	FLOOD MIT-ELM CIRCLE AREA
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$18,774.71	HOUSTON ENGINEERING INC	V05409	FLOOD MIT-WOODCREST DRIVE
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$1,508.50	HOUSTON ENGINEERING INC	V05408	FLOOD MIT-ROYAL OAKS AREA
	6/23/2023	ES062300	HOUSTON ENGINEERING IN	\$4,747.72	HOUSTON ENGINEERING INC	V05406	DRAIN 27 LIFT STATION #56
<b>Other Services / Engineering Services</b>				<b>\$76,086.87</b>			
790-7950-429.33-06	6/15/2023	328237	BRAUN INTERTEC CORP	\$27,438.50	MATERIALS TESTING	V00406	TASK ORDER #4
<b>Other Services / Quality Testing</b>				<b>\$27,438.50</b>			
790-7950-429.33-25	6/23/2023	ES062300	Serkland Law Firm	\$4,263.00	P CARD BMO	V05418	FLOOD ACQUISITIONS
<b>Other Services / Legal Services</b>				<b>\$4,263.00</b>			

**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7950-429.38-99	6/23/2023	ES062300	BRAUN INTERTEC CORP	\$199.00	P CARD BMO	V05413	FLOOD MIT-52ND AVE/UNV DR
	6/23/2023	ES062300	Simplifile LC	\$46.50	SIMPLIFILE LC	V05409	FLOOD MIT-WOODCREST DRIVE
<b>Other Services / Other Services</b>				<b>\$245.50</b>			
790-7950-429.41-05	6/8/2023	328068	Cass Rural Water	\$29.70	ACCT #18789	V05006	DIVERSION INLET UTILITY
	7/6/2023	328752	Cass Rural Water	\$27.00	ACCT 18789 DIVERSION BILL	V05006	DIVERSION INLET UTILITY
<b>Utility Services / Water and Sewer</b>				<b>\$56.70</b>			
790-7950-429.71-30	6/23/2023	ES062300	Jan Nelson	\$59,000.00	NELSON, JAN C	V05409	FLOOD MIT-WOODCREST DRIVE
	6/23/2023	ES062300	Stanton Andrist	\$59,000.00	ANDRIST, STANTON L	V05409	FLOOD MIT-WOODCREST DRIVE
<b>Land / Land Purchases</b>				<b>\$118,000.00</b>			
790-7950-429.73-52	6/23/2023	ES062300	INDUSTRIAL BUILDERS INC	\$29,094.44	INDUSTRIAL BUILDERS INC	V05409	FLOOD MIT-WOODCREST DRIVE
<b>Infrastructure / Flood Control</b>				<b>\$29,094.44</b>			
790-7950-429.73-70	6/29/2023	328672	Magellan Pipeline	\$438,999.77	PIPELINE REIMBURSEMENT	V07401	PIPEPLINE RELOCATION
<b>Infrastructure / Utilities</b>				<b>\$438,999.77</b>			
790-7950-429.80-12	6/23/2023	ES062300	CASS COUNTY TREASURER	\$15,908.73	City of Fargo	V05420	FLOOD BUYOUTS - SPECIALS
<b>Debt Service / Special Assessment Princ.</b>				<b>\$15,908.73</b>			
790-7950-429.80-16	6/23/2023	ES062300	CASS COUNTY TREASURER	\$1,642.69	City of Fargo	V05420	FLOOD BUYOUTS - SPECIALS
<b>Debt Service / Specials - BID</b>				<b>\$1,642.69</b>			
790-7952-429.33-05	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$20,964.00	FM DIVERSION PROJECT	V01633	DESIGN & CONST. SUPPORT
<b>Other Services / Engineering Services</b>				<b>\$20,964.00</b>			
790-7959-429.33-32	6/23/2023	ES062300	Jorge Pagan	\$7,500.00	PAGAN, JORGE L	V05431	STORM LIFT IMPR #47 & #48
<b>Other Services / Appraisal Services</b>				<b>\$7,500.00</b>			
790-7959-429.38-99	6/23/2023	ES062300	Simplifile LC	\$68.25	SIMPLIFILE LC	V05431	STORM LIFT IMPR #47 & #48
	6/23/2023	ES062300	XCEL ENERGY-FARGO	\$106.03	XCEL ENERGY	V05409	FLOOD MIT-WOODCREST DRIVE
	6/23/2023	ES062300	XCEL ENERGY-FARGO	\$8.55	XCEL ENERGY	V05430	STORM LIFT IMPROVMNTS #15
<b>Other Services / Other Services</b>				<b>\$182.83</b>			
790-7959-429.68-10	6/23/2023	ES062300	City of Fargo	\$42.88	P CARD BMO	V05431	STORM LIFT IMPR #47 & #48
<b>Miscellaneous / Miscellaneous</b>				<b>\$42.88</b>			



**Summary Of Expenses**  
**EXP-2023-06**

Account Number	Check Date	Check Number	Vendor Name	Transaction Amount	Description	Project Number	Project Description
790-7959-429.73-52	6/23/2023	ES062300	CC STEEL, LLC	\$504,291.30	CC STEEL, LLC	V05430	STORM LIFT IMPROVMNTS #15
	6/23/2023	ES062300	INDUSTRIAL BUILDERS INC	\$311,738.51	INDUSTRIAL BUILDERS INC	V05409	FLOOD MIT-WOODCREST DRIVE
	6/23/2023	ES062300	Key Contracting Inc	\$623,828.69	KEY CONTRACTING INC	V05406	DRAIN 27 LIFT STATION #56
	6/23/2023	ES062300	Rick Electric Inc	\$123,443.00	RICK ELECTRIC INC	V05406	DRAIN 27 LIFT STATION #56
<b>Infrastructure / Flood Control</b>				<b>\$1,563,301.50</b>			
790-7990-429.33-05	6/8/2023	328054	BNSF RAILWAY CO	\$6,676.06	PRELIM ENGINEERING SERVIC	V11101	PRELIMINARY ENGINEERING
	6/8/2023	328067	MOORE ENGINEERING INC	\$1,386.25	MOORE ENGINEERIING, INC.	V01201	Cass Joint Water ROE
	6/15/2023	328298	HOUSTON-MOORE GROUP L	\$107,703.63	FM DIVERSION PROJECT	V01633	DESIGN & CONST. SUPPORT
	6/29/2023	328607	MOORE ENGINEERING INC	\$2,952.50	MOORE ENGINEERING, INC.	V01201	Cass Joint Water ROE
<b>Other Services / Engineering Services</b>				<b>\$118,718.44</b>			
790-7990-429.33-25	7/5/2023	1035	OHNSTAD TWICHELL PC	\$29,988.60	Ohnstad Twichell PC	V00102	General & Admin. WIK
<b>Other Services / Legal Services</b>				<b>\$29,988.60</b>			
790-7990-429.33-47	6/15/2023	328357	Program Advisor Services, LLC	\$47,458.00	PROGRAM CONSULTING	V05801	CONSULTING SERVICES
<b>Other Services / Consulting Services</b>				<b>\$47,458.00</b>			
790-7990-429.34-57	6/28/2023	14741	BANK OF NORTH DAKOTA	\$16,974.00	BND TRUSTEE FEE 6/23	V08502	MONTHLY TRUSTEE FEE
<b>Technical Services / FMDA Trustee Fees BND</b>				<b>\$16,974.00</b>			
790-7998-555.90-81	6/27/2023	ES062300	Diversion Admin Budget Transfe	\$0.00	ANNUAL ADMIN BDGT TRF-JUN	VADMIN	Diversion Administration
<b>FMDA Admin. Budget Fund</b>				<b>\$0.00</b>			
<b>790 Subtotal</b>				<b>\$15,919,087.37</b>			

<b>Total Amount Invoiced this period:</b>	<b>\$16,041,231.71</b>	
	<b>\$0.00</b>	<b>Less Paid Retainage</b>
	<b>\$16,041,231.71</b>	<b>Total Less Paid Retainage</b>

Data Through Date: Friday, June 30, 2023

*Cumulative Vendor Payments Since Inception (Paid Only)*

Vendor Name	Approved Contract/Invoiced Amount	Liquidated	Outstanding Encumbrance	Purpose
LAND PURCHASE	\$322,138,200.13	\$322,138,200.13	\$0.00	Land Purchase
CH2M HILL ENGINEERS INC	\$152,240,026.12	\$105,879,018.61	\$46,361,007.51	Project & Construction Management
HOUSTON-MOORE GROUP LLC	\$94,360,504.39	\$67,644,110.18	\$26,716,394.21	Engineering Services
INDUSTRIAL BUILDERS INC	\$61,906,268.33	\$61,390,334.64	\$515,933.69	2nd St N Pump Station Project and 2nd St Floodwall, South of Pu
ARMY CORP OF ENGINEERS	\$53,159,000.00	\$53,159,000.00	\$0.00	Local Share
RICHLAND-WILKIN JPA	\$35,000,000.00	\$35,000,000.00	\$0.00	Economic Impact Relief Fund
NORTH DAKOTA PUBLIC FINANCE AUTHORIT	\$31,491,435.00	\$31,491,435.00	\$0.00	Debt Service
OHNSTAD TWICHELL PC	\$19,796,971.02	\$19,796,971.02	\$0.00	Legal Services
MEYER CONTRACTING	\$19,244,280.80	\$19,244,280.80	\$0.00	WP-43CD and Gatewell - PVD & Surcharge Installation
INDUSTRIAL CONTRACT SERVICES INC	\$18,419,743.64	\$18,419,743.64	\$0.00	4th St Pump Station and 2nd Street Floodwall
KEY CONTRACTING INC	\$15,060,753.41	\$15,060,753.41	\$0.00	FM1413 - Oakcreek and Copperfield Court Levee
ADVANCED ENGINEERING INC	\$14,379,176.00	\$10,594,129.90	\$3,785,046.10	Lands Management and Public Outreach
WELLS FARGO	\$11,607,080.05	\$11,607,080.05	\$0.00	Debt Service
DORSEY & WHITNEY LLP	\$11,166,442.49	\$11,166,442.49	\$0.00	Legal Services
DAKOTA UNDERGROUND	\$11,141,625.69	\$11,141,625.69	\$0.00	Utility Relocation
LANDSCAPES UNLIMITED	\$11,007,612.78	\$11,007,612.78	\$0.00	Golf Course Construction - Oxbow Country Club
OKEEFE, OBRIAN, LYSON & FOSS LTD	\$9,962,512.68	\$9,962,512.68	\$0.00	FLDBUY - COF Flood Home Buyouts
CITY OF FARGO	\$7,276,013.95	\$7,270,375.20	\$5,638.75	Utility Relocation, Accounting Svcs, Interest on Deficit Funds
MOORE ENGINEERING INC	\$6,637,437.89	\$5,956,623.22	\$680,814.67	Engineering Services
ASHURST LLP	\$6,352,853.01	\$6,352,853.01	\$0.00	PPP Legal Counsel
SRF CONSULTING GROUP	\$5,953,366.44	\$2,640,185.38	\$3,313,181.06	Engineering Services
NUSTAR PIPELINE OPERATING PARTNERSHIP	\$5,836,208.35	\$5,819,359.23	\$16,849.12	Utility Relocation
AON RISK SERVICES CENTRAL INC	\$5,778,765.42	\$5,699,828.92	\$78,936.50	Risk Advisory Services P3 Pre-Award
ERNST & YOUNG	\$5,377,000.00	\$5,003,678.20	\$373,321.80	P3 Financial Advisory Services
CASS RURAL WATER	\$5,365,129.47	\$5,270,313.52	\$94,815.95	Utilities and Utility Relocation
BRAUN INTERTEC CORP	\$4,840,107.75	\$1,268,773.57	\$3,571,334.18	Materials Testing
HOUSTON ENGINEERING INC	\$4,397,352.00	\$4,397,352.00	\$0.00	Engineering Services

Data Through Date: Friday, June 30, 2023

*Cumulative Vendor Payments Since Inception (Paid Only)*

<b>Vendor Name</b>	<b>Approved Contract/Invoiced Amount</b>	<b>Liquidated</b>	<b>Outstanding Encumbrance</b>	<b>Purpose</b>
PROSOURCE TECHNOLOGIES, INC	\$4,298,291.71	\$3,102,990.72	\$1,195,300.99	Land Acquisition Services
RILEY BROS	\$3,656,841.67	\$3,656,841.67	\$0.00	Construction - OHB Ring Levee & WP-28A
MAGELLAN PIPELINE	\$3,607,000.00	\$2,852,375.85	\$754,624.15	Utility Relocation
CENTURYLINK COMMUNICATIONS	\$3,598,480.71	\$3,598,480.61	\$0.10	Utility Relocation
RED RIVER VALLEY & WESTERN RAILROAD C	\$3,589,388.46	\$3,589,388.46	\$0.00	Railroad Facilities and the Rail Property
CASS COUNTY GOVERNMENT	\$3,265,373.90	\$3,265,373.90	\$0.00	Gravel on County Rd 17 Bypass
CHS INC.	\$3,049,153.37	\$3,049,153.37	\$0.00	Purchase Agreement (DB-1011)
PLENARY AMERICAS USA LTD	\$3,000,000.00	\$3,000,000.00	\$0.00	Stipend Payment for P3 RFP
SELLIN BROS INC	\$2,814,909.59	\$2,814,909.59	\$0.00	Riverwood Flood Risk Project - Construction
MINNESOTA DNR	\$2,636,755.60	\$2,617,681.40	\$19,074.20	EIS Scoping and Permit Application
CROWN APPRAISALS	\$2,414,230.00	\$1,745,030.00	\$669,200.00	Flowage Easements Valuation and Appraisal Services
OXBOW, CITY OF	\$2,383,317.16	\$2,383,317.16	\$0.00	OXBOW MOU - LAND ADVANCE
LANDWEHR CONSTRUCTION INC	\$2,304,622.16	\$2,304,622.16	\$0.00	In-Town and WP-43 Demolition Contracts
SCHMIDT AND SONS INC.	\$2,283,070.60	\$1,802,504.36	\$480,566.24	Residential Demolition in Oxbow
CASS COUNTY ELECTRIC COOPERATIVE	\$2,257,924.44	\$1,473,761.94	\$784,162.50	Electrical Services
HDR ENGINEERING, INC.	\$2,192,783.68	\$1,672,248.21	\$520,535.47	Engineering Services
HOUGH INC	\$2,088,832.83	\$2,088,832.83	\$0.00	Construction WP-42F.2 and Oxbow River Intake & Pumping Syst
PROGRAM ADVISOR SERVICES, LLC	\$2,006,282.87	\$1,699,546.00	\$306,736.87	Program Consulting Services
URS CORPORATION	\$1,805,670.90	\$1,805,670.90	\$0.00	Cultural Resources Investigations
ULTEIG ENGINEERS INC	\$1,744,157.63	\$1,414,130.59	\$330,027.04	Land Acquisition Services
ACONEX (NORTH AMERICA) INC	\$1,670,793.92	\$1,207,471.01	\$463,322.91	Electronic Data Mgmt and Record Storage System
CASS COUNTY JOINT WATER RESOURCE DI	\$1,618,356.76	\$1,618,356.76	\$0.00	O/H/B Ring Levee, DPAC, Postage, Miscellaneous
REINER CONTRACTING INC	\$1,599,646.21	\$1,599,646.21	\$0.00	El Zagal Flood Risk Management
BNSF RAILWAY CO	\$1,597,425.00	\$1,554,937.78	\$42,487.22	Permits for In-Town Levee Projects
CASS COUNTY TREASURER	\$1,366,146.82	\$1,366,146.82	\$0.00	Property Taxes
UNITED STATES GEOLOGICAL SURVEY	\$1,332,840.00	\$281,365.00	\$1,051,475.00	Water Level Discharge Collection & Stage Gage Installation
AECOM	\$1,283,995.14	\$874,076.62	\$409,918.52	Cultural Resources Investigations

Data Through Date: Friday, June 30, 2023

*Cumulative Vendor Payments Since Inception (Paid Only)*

<b>Vendor Name</b>	<b>Approved Contract/Invoiced Amount</b>	<b>Liquidated</b>	<b>Outstanding Encumbrance</b>	<b>Purpose</b>
XCEL ENERGY-FARGO	\$1,251,034.07	\$1,204,434.07	\$46,600.00	Utility Relocation
US BANK	\$1,205,546.13	\$1,205,546.13	\$0.00	Loan Advance Debt Service Payments
CONSOLIDATED COMMUNICATIONS	\$1,077,367.97	\$1,077,367.97	\$0.00	Utility Relocation
KPH, INC.	\$1,025,640.12	\$1,025,640.12	\$0.00	WP-43D5 Construction
CLERK OF DISTRICT COURT	\$939,044.32	\$939,044.32	\$0.00	FLDBUY - COF Flood Home Buyouts
TERRACON CONSULTING ENGINEERS	\$887,718.41	\$887,718.41	\$0.00	Materials Testing
MINNKOTA POWER COOPERATIVE	\$840,269.48	\$565,269.48	\$275,000.00	Utility Relocation
COMPASS LAND CONSULTANTS, INC	\$804,820.00	\$627,389.43	\$177,430.57	Property Appraisal Services
MASTER CONSTRUCTION CO INC	\$739,364.30	\$739,364.30	\$0.00	Flood Mitigation - Royal Oaks Area - Construction
UNITED STATES ENVIRONMENTAL PROTECTI	\$736,686.35	\$736,686.35	\$0.00	WIFIA LOAN APPLCATION FEE
DAKOTA CARRIER NETWORK	\$727,348.58	\$727,348.58	\$0.00	Utility Relocation
CC STEEL, LLC	\$706,676.65	\$706,676.65	\$0.00	Lift Station Improvements
RED RIVER VALLEY ALLIANCE LLC	\$695,113.30	\$695,113.30	\$0.00	P3 Developer payments
ERIK R JOHNSON & ASSOCIATES	\$686,572.23	\$686,572.23	\$0.00	Legal Services
LARKIN HOFFMAN ATTORNEYS	\$684,192.78	\$684,192.78	\$0.00	Legal Services
PATCHIN MESSNER VALUATION COUNSELORS	\$675,025.00	\$418,433.75	\$256,591.25	Property Appraisal Services
METROPOLITAN COUNCIL OF GOVERNMENTS	\$637,390.01	\$637,390.01	\$0.00	Digital Aerial Photography
DUCKS UNLIMITED	\$587,180.00	\$587,180.00	\$0.00	Wetland Mitigation Credits
AT&T	\$586,269.60	\$586,269.60	\$0.00	Utility Relocation
RED RIVER VALLEY COOPERATIVE ASSOC	\$548,543.69	\$337,036.61	\$211,507.08	Electricity - Home Buyouts
LINNCO, INC.	\$534,003.11	\$534,003.11	\$0.00	House Demo and Removal
MIDCONTINENT COMMUNICATIONS	\$527,490.41	\$527,490.41	\$0.00	Utility Relocation
RED RIVER BASIN COMMISSION	\$501,000.00	\$501,000.00	\$0.00	Retention Projects - Engineering Services
HOFFMAN & MCNAMARA CO.	\$491,334.67	\$491,334.67	\$0.00	General Landscaping and Planting (WP-42G)
BUFFALO-RED RIVER WATERSHED DISTRICT	\$473,287.89	\$473,287.89	\$0.00	Retention Projects - Engineering Services
C THREE MEDIA, LLC	\$461,510.00	\$225,133.63	\$236,376.37	Videography Services
ROBERT TRENT JONES	\$440,431.73	\$440,431.73	\$0.00	Oxbow MOU - Golf Course Consulting Agreement

Data Through Date: Friday, June 30, 2023

*Cumulative Vendor Payments Since Inception (Paid Only)*

<b>Vendor Name</b>	<b>Approved Contract/Invoiced Amount</b>	<b>Liquidated</b>	<b>Outstanding Encumbrance</b>	<b>Purpose</b>
NEON LOON COMMUNICATIONS, LLC	\$437,065.00	\$224,837.10	\$212,227.90	Communications Support
BANK OF NORTH DAKOTA	\$426,571.09	\$426,571.09	\$0.00	Legal review fees
MBA	\$380,636.36	\$380,636.36	\$0.00	Golf course and pump house - Oxbow Country Club
BEAVER CREEK ARCHAEOLOGY	\$369,370.25	\$369,370.25	\$0.00	Engineering Services
NDSU BUSINESS OFFICE-BOX 6050	\$356,145.00	\$356,145.00	\$0.00	Ag Risk Study Services
WATTS AND ASSOCIATES, INC.	\$350,000.00	\$294,635.83	\$55,364.17	Crop insurance product development services
MVM CONTRACTING	\$339,448.03	\$339,448.03	\$0.00	Fiber Relocation
SWANSON HEALTH PRODUCTS, INC.	\$337,059.00	\$337,059.00	\$0.00	FM1471 - Storm Lift Stations #55 and #56 - Drain 27
INTEGRA REALTY RESOURCES	\$330,300.00	\$257,750.00	\$72,550.00	Property Appraisal Services
DFI BRIDGE CORPORATION	\$316,211.21	\$316,211.21	\$0.00	Bridge Construction - Oxbow Country Club
FEDERAL STEEL SUPPLY, INC.	\$307,378.00	\$307,378.00	\$0.00	OHB - 42 inch steel pipe
DIRT DYNAMICS	\$301,332.37	\$301,332.37	\$0.00	HD18A1 - Oakcreek, Copperfield & Univerisy - Demo
GARY KILLEBREW	\$279,500.00	\$279,500.00	\$0.00	Project Manager Services - Oxbow Country Club
TURMAN & LANG	\$277,139.55	\$277,139.55	\$0.00	Legal Services
MOODYS INVESTORS SERVICE, INC.	\$274,375.00	\$274,375.00	\$0.00	WIFIA loan fees
702 COMMUNICATIONS	\$266,892.07	\$266,892.07	\$0.00	Utility Relocation
SPRINT COMMUNICATIONS COMPANY L.P.	\$256,409.37	\$256,409.37	\$0.00	Fiber Optic Relocation for WP-43CD
FORUM COMMUNICATIONS	\$247,805.67	\$235,555.67	\$12,250.00	Advertising Services
PR FOR GOOD, INC	\$242,482.28	\$242,482.28	\$0.00	Communications Support Services
FREDRIKSON & BYRON, PA	\$241,881.28	\$241,881.28	\$0.00	Lobbying Services
NORTHERN IMPROVEMENT COMPANY	\$235,531.95	\$235,531.95	\$0.00	CR-17 asphalt paving
GRAY PANNELL & WOODWARD LLP	\$231,300.68	\$231,300.68	\$0.00	Legal Services
WILLIAM D. SCEPANIAC, INC.	\$226,235.21	\$226,235.21	\$0.00	ROADWAY RESHAPING & AGGREGATE SURFACING
RICK ELECTRIC INC	\$216,271.50	\$216,271.50	\$0.00	Riverwood Flood Risk Project - Electrical
PLEASANT TOWNSHIP	\$208,207.85	\$208,207.85	\$0.00	Building Permit Application
AMERICAN ENTERPRISES, INC.	\$200,281.00	\$200,281.00	\$0.00	Construction/Demolition
CITY OF OXBOW MOU	\$200,000.00	\$200,000.00	\$0.00	Oxbow Park Relocation MOU Amendment

Data Through Date: Friday, June 30, 2023

*Cumulative Vendor Payments Since Inception (Paid Only)*

<b>Vendor Name</b>	<b>Approved Contract/Invoiced Amount</b>	<b>Liquidated</b>	<b>Outstanding Encumbrance</b>	<b>Purpose</b>
DAWSON INSURANCE AGENCY	\$198,596.18	\$198,596.18	\$0.00	Property Insurance - Home Buyouts
EXECUTIVE MANAGEMENT SYSTEMS, INC.	\$196,763.96	\$196,763.96	\$0.00	Executive Coaching
CLAY COUNTY AUDITOR	\$190,911.34	\$190,911.34	\$0.00	Property Taxes - MN
MICHAEL H KLEIN	\$189,965.25	\$78,696.10	\$111,269.15	Communications Support
SERKLAND LAW FIRM	\$189,733.21	\$189,733.21	\$0.00	Legal services
MAPLETON, CITY OF	\$179,605.00	\$87,870.22	\$91,734.78	Prelim Engineering Services
SPRINGSTED INCORPORATED	\$178,010.15	\$178,010.15	\$0.00	Financial Advisor
KADRMAS LEE & JACKSON, INC.	\$176,164.00	\$176,164.00	\$0.00	Engineering Services
MUNICIPAL AIRPORT AUTHORITY	\$166,981.00	\$166,981.00	\$0.00	Easement for Airport
SOIL BORINGS	\$166,232.50	\$166,232.50	\$0.00	Soil Borings
GA GROUP, PC	\$156,229.32	\$132,229.32	\$24,000.00	Government Relations
PFM PUBLIC FINANCIAL MANAGEMENT	\$146,460.00	\$146,460.00	\$0.00	Financial Advisor
S&P GLOBAL RATINGS	\$145,625.00	\$145,625.00	\$0.00	Ratings Evaluation Service
DAILY NEWS	\$143,075.16	\$143,075.16	\$0.00	Advertising Services
CHAPMAN AND CUTLER	\$140,000.00	\$140,000.00	\$0.00	Legal Services
QUANTUM SPATIAL, INC.	\$139,061.35	\$139,061.35	\$0.00	Digital Aerial Photography
EIDE BAILLY LLP	\$131,643.25	\$81,643.25	\$50,000.00	Audit Services
SENTRY SECURITY, INC.	\$121,212.85	\$121,212.85	\$0.00	Security Services
AFFINITEXT INC	\$118,630.00	\$68,168.13	\$50,461.87	Document Management Services
ENVENTIS	\$115,685.62	\$115,685.62	\$0.00	Utility Relocation
GE BOCK REAL ESTATE, LLC	\$112,590.00	\$112,590.00	\$0.00	Property Appraisal Services
OXBOW COUNTRY CLUB	\$110,391.68	\$110,391.68	\$0.00	Golf Course - Oxbow
JT LAWN SERVICE LLC	\$109,600.00	\$50,839.00	\$58,761.00	Mowing and weed control
TINJUM APPRAISAL COMPANY, INC.	\$108,050.00	\$99,450.00	\$8,600.00	Property Appraisal Services
MAPLETON TOWNSHIP	\$108,030.00	\$108,030.00	\$0.00	Lost tax revenue and attorney fees
DAVID CLARDY	\$105,215.05	\$105,215.05	\$0.00	Home buyouts - easement
JORGE PAGAN	\$103,500.00	\$103,500.00	\$0.00	Appraisal services

Data Through Date: Friday, June 30, 2023

*Cumulative Vendor Payments Since Inception (Paid Only)*

Vendor Name	Approved Contract/Invoiced Amount	Liquidated	Outstanding Encumbrance	Purpose
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135 Vendors

Report Totals:

\$1,046,636,810.33

\$952,145,381.44

\$94,491,428.89

## METRO FLOOD DIVERSION AUTHORITY

Wednesday, July 19, 2023

Data Through Date: Friday, June 30, 2023

## Parcel (OIN) Physical Location Summary

Project / Physical Location	Parcels	Acquired / Sold	Cancelled OIN's (HC)	PCT Acquired / Cancelled	Remaining OIN's	Cost To Date
<b>BIOGEO</b>	<b>423</b>	<b>212</b>	<b>131</b>	<b>81%</b>	<b>80</b>	<b>\$1,097,231</b>
BIOGEO	293	211	2	73%	80	\$325,546
HC	130	1	129	100%	0	\$771,685
<b>CHANNEL</b>	<b>696</b>	<b>488</b>	<b>206</b>	<b>100%</b>	<b>2</b>	<b>\$100,687,477</b>
ENV	1	0	0	0%	1	\$0
HC	226	20	206	100%	0	\$3,559,111
LAP01	132	132	0	100%	0	\$7,940,780
LAP02	97	96	0	99%	1	\$13,564,816
LAP03	83	83	0	100%	0	\$24,480,267
LEGACY	156	156	0	100%	0	\$51,141,254
SheyMit	1	1	0	100%	0	\$1,250
<b>Habitat Improve</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>6%</b>	<b>16</b>	<b>\$2,000</b>
Habitat_Shey	17	1	0	6%	16	\$2,000
<b>MOBILITY</b>	<b>123</b>	<b>0</b>	<b>1</b>	<b>1%</b>	<b>122</b>	<b>\$0</b>
DA_MOB37_MN	51	0	0	0%	51	\$0
DA_MOB37_ND	19	0	0	0%	19	\$0
DA_MOB38TH	52	0	0	0%	52	\$0
HC	1	0	1	100%	0	\$0
<b>NA</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>100%</b>	<b>0</b>	<b>\$0</b>
HC	7	0	7	100%	0	\$0
<b>SEAILAND</b>	<b>393</b>	<b>313</b>	<b>34</b>	<b>88%</b>	<b>46</b>	<b>\$67,547,828</b>
DRAIN 27	36	36	0	100%	0	\$16,704,976
HC	39	5	34	100%	0	\$458,806
LEGACY	77	77	0	100%	0	\$11,327,758
SE_I29	10	10	0	100%	0	\$4,363,860
SE-1	40	39	0	98%	1	\$6,504,787
SE-2A	13	13	0	100%	0	\$3,369,529
SE-2B	59	52	0	88%	7	\$12,055,659
SE-3	7	6	0	86%	1	\$25,000
SE-4	40	21	0	53%	19	\$3,477,035
SE-5	16	0	0	0%	16	\$2,750
SE-INLET	9	9	0	100%	0	\$2,952,107
SE-RRCS	37	37	0	100%	0	\$6,305,062
SE-WRCS	8	8	0	100%	0	\$0
UMA	2	0	0	0%	2	\$500



## METRO FLOOD DIVERSION AUTHORITY

Wednesday, July 19, 2023

Data Through Date: Friday, June 30, 2023

## Parcel (OIN) Physical Location Summary

Project / Physical Location	Parcels	Acquired / Sold	Cancelled OIN's (HC)	PCT Acquired / Cancelled	Remaining OIN's	Cost To Date
<b>Sheyenne Mitigatio</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>3</b>	<b>\$1,750</b>
SheyMit	3	0	0	0%	3	\$1,750
<b>WP36</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>2</b>	<b>\$2,750</b>
WRDAM	2	0	0	0%	2	\$2,750
<b>WP38</b>	<b>1,024</b>	<b>230</b>	<b>353</b>	<b>57%</b>	<b>441</b>	<b>\$57,706,057</b>
BIOGEO	2	2	0	100%	0	\$4,500
HC	357	4	353	100%	0	\$1,283,123
LEGACY	2	2	0	100%	0	\$750
UMA	571	222	0	39%	349	\$56,417,683
UMA-C	53	0	0	0%	53	\$0
UMA-W	39	0	0	0%	39	\$0
<b>WP40</b>	<b>18</b>	<b>8</b>	<b>10</b>	<b>100%</b>	<b>0</b>	<b>\$48,923</b>
DRAYTON	7	7	0	100%	0	\$48,923
HC	10	0	10	100%	0	\$0
LEGACY	1	1	0	100%	0	\$0
<b>WP42</b>	<b>66</b>	<b>50</b>	<b>3</b>	<b>80%</b>	<b>13</b>	<b>\$37,850,061</b>
HC	4	1	3	100%	0	\$0
LEGACY	6	6	0	100%	0	\$18,014,935
WP42	56	43	0	77%	13	\$19,835,126
<b>WP43</b>	<b>267</b>	<b>120</b>	<b>147</b>	<b>100%</b>	<b>0</b>	<b>\$79,792,670</b>
Non-OIN Hard Land Cost	0	0	0	0%	0	\$22,598,547
HC	147	1	146	100%	0	\$500
LEGACY	4	4	0	100%	0	\$2,422,914
WP43A	1	1	0	100%	0	\$0
WP43B	6	6	0	100%	0	\$1,927,138
WP43C	74	74	0	100%	0	\$45,142,769
WP43D	21	20	1	100%	0	\$6,437,831
WP43D5	5	5	0	100%	0	\$1,175,055
WP43G	9	9	0	100%	0	\$87,915
<b>Totals</b>	<b>3,039</b>	<b>1,422</b>	<b>892</b>	<b>76%</b>	<b>725</b>	<b>\$344,736,747</b>

**FM Metropolitan Area Flood Risk Management Project**  
**Lands Expense - Life To Date**  
**As of June 30, 2023**

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
<b>Commercial Relocations - Fargo</b>		16,099,989.70	-	16,300,462.10	(1,100.00)	32,399,351.80
<b>Home Buyouts - Fargo</b>		3,044,054.89	-	521,417.80	-	3,565,472.69
<b>Home Buyouts - Moorhead</b>		495,809.91	-	84,060.80	(8,440.00)	571,430.71
<b>Home Buyouts - Oxbow</b>		29,678,181.97	-	17,142,531.46	(368,167.87)	46,452,545.56
<b>Home Buyouts - Hickson</b>		1,031,674.37	-	120,422.18	-	1,152,096.55
<b>Home Buyouts - Horace</b>		7,603,598.67	-	595,320.88	-	8,198,919.55
<b>Home Buyouts - Argusville</b>		215,030.91	-	6,912.57	-	221,943.48
<b>Easements - Fargo</b>		504,716.00	-	-	-	504,716.00
<b>Easements - Hickson</b>		500.00	-	-	-	500.00
<b>Easements - Oxbow</b>		55,500.00	-	-	-	55,500.00
<b>Easements - Diversion Inlet Control Structure</b>		4,234,581.90	-	-	-	4,234,581.90
<b>Easements - Piezometer</b>		259,765.00	-	-	-	259,765.00
<b>Easements - Minesota</b>		1,542,370.79	-	-	-	1,542,370.79
<b>Farmland Purchases</b>		276,457,006.43	-	5,109,571.44	(13,146,128.67)	141,665,903.49

**FM Metropolitan Area Flood Risk Management Project**  
**Lands Expense - Life To Date**  
**As of June 30, 2023**

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
<b>Land Purchases</b>		145,396,389.41	-	2,563,701.41	(6,321,187.33)	141,665,903.49
Government Lot 7 and Part of Government Lots 3&4, Section 31, Township 137 North, Range 48 West of the Fifth Principle Meridian, Cass County ND	2/2/2023	1,144,004.05				
Auditor's Lot One, a part of the Southeast Quarter of Section Twenty-four, in Township One Hundred Thirty-nine North of Range Fifty West of the Fifth Principal Meridian, situated in the County of Cass and the State of North Dakota.	3/30/2023	15,170.78				
The SE1/4 of Section 17, Township 137, Range 48, Clay County, Minnesota, LESS highway right-of-way.	3/9/2023	153,937.37				
Northeast Quarter of Section 27, Township 138 North, Range 49 West of the Fifth Principal Meridian, Cass County, North Dakota,	5/11/2023	441,454.84				
That part of the East Half of Section 34, Township 138 North, Range 49 West of the Fifth Principal Meridian, Cass County, North Dakota, described as follows:Commencing at the northeast corner of the Northeast Quarter of said Section 34; thence South 87°55'52" West, along the northerly line of said Northeast Quarter, for a distance of 834.62 feet to the true point of beginning; thence South 01°55'59" East for a distance of 79.46 feet; thence South 88°04'01" West for a distance of 82.07 feet; thence South 02°14'26" East for a distance of 1198.30 feet; thence South 04°12'34" East for a distance of 503.04 feet; thence South 84°38'33" East for a distance of 136.36 feet to a point of intersection with the westerly line of a tract of land described in Document No. 1229239, on file at the Cass County Recorder's Office; thence South 02°01'28" East, along the westerly line of a tract described in said Document No. 1229239, for a distance of 327.63 feet to the southwest corner of a tract described in said Document No. 1229239; thence North 87°53'15" East, along the southerly line of a tract described in said Document No. 1229239, for a distance of 0.16 feet to the northwest corner of a tract described as Parcel C in Document No. 1055895, on file at said Recorder's Office	6/8/2023	3,647,351.53				
That part of the West Half of the Northwest Quarter of Section27, Township 138 North, Range49 West of the Fifth Principal Meridian, CassCounty, NorthDakota, described asfollows: Commencing atthenorthwest cornerofsaidSection27; thence South01°47'29" East, alongthewesterly lineofsaidNorthwest Quarter, foradistance of100.00feettoapointofintersection withthesoutherly lineoftheNorth100.00feetofsaidNorthwest Quarter, andthetruepointofbeginning; thenceNorth88°00'52" East, alongthesoutherly lineoftheNorth100.00feetofsaid Northwest Quarter, foradistance of102.21feet; thenceSouth 06°07'58" Eastforadistance of789.44feet; thenceSouth 00°00'00" Eastforadistance of315.92feet; thenceNorth 87°45'53" Eastforadistance of1175.17feettoapointof intersection witheasterly lineoftheWestHalfofsaidNorthwest Quarter; thenceSouth01°48'55" East, alongtheeasterly lineofthe WestHalfofsaidNorthwest Quarter, foradistance of1449.85feet tothesoutheast corneroftheWestHalfofsaidNorthwest Quarter; thenceSouth87°56'58" West, alongthesoutherly lineofsaid NorthwestQuarterforadistance of 1327.85feettothesouthwest cornerofsaidNorthwest Quarter; thenceNorth01°47'29" West, alongthewesterly lineofsaidNorthwestQuarter, foradistance of 2549.34 feettothetruepointofbeginning. Excepting therefrom the West20.00feetoftheSouth30.00feetoftheSouthwest Quarterof saidNorthwest Quarter.	6/29/2023	1,512,465.50				

**FM Metropolitan Area Flood Risk Management Project  
Lands Expense - Life To Date  
As of June 30, 2023**

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
Auditor's Lot 1 of the Southwest Quarter (SW1/4) in Section 8, Township 137 North of Range 49 West, of the Fifth Principal Meridian, said tract is also described as follows: Beginning at the Southwest section corner of said Section 8; thence North 0°00'00" East on the west section line of said Section 8 for a distance of 152.50 feet; thence South 89°56'56" East, parallel with the south section line of said Section 8 for a distance of 720 feet; thence South 00°00'00" East, parallel with West section line of said Section 8 for a distance of 152.50 feet; to the South section line of said Section 8; thence North 89°56'56" West on the south section line of said Section 8 for a distance of 720 feet to the point of beginning.	6/29/2023	151,777.60				
		341,222,780.54	-	39,880,699.23	(13,523,836.54)	367,579,643.23
				<b>Property Management Expense</b>		4,920,341.29
					<b>Grand Total</b>	<b>\$ 372,499,984.52</b>

**FM Metropolitan Area Flood Risk Management Project  
In-Town Levee Work  
as of June 30, 2023**

<b>Vcode #</b>	<b>Vendor Name</b>	<b>Descriptions</b>	<b>Contract Amount</b>	<b>Amount Paid</b>
V02801	Industrial Builders	WP42.A2 - 2nd Street North Pump Station	\$ 8,696,548.46	\$ 8,696,548.46
V02802	Terracon Consulting	WP-42 (In Town Levees) Materials Testing	\$ 884,070.41	\$ 884,070.41
V02803	Consolidated Communications	2nd Street Utility Relocation	\$ 1,178,781.73	\$ 1,178,781.73
V02804	702 Communications	2nd Street Utility Relocation	\$ 266,892.07	\$ 266,892.07
V02805	ICS	WP-42A.1/A.3 - 4th St Pump Station & Gatewell and 2nd St Floodwall S	\$ 18,365,229.13	\$ 18,365,229.13
V02806	HMG	WP42 - Services During Construction	\$ 6,513,429.90	\$ 6,513,429.90
V02807	CCJWRD	In-Town Levee Work	\$ 3,756,545.64	\$ 3,756,545.64
V02808	City of Fargo	Relocation of fiber optic along 2nd Street North	\$ 397,906.52	\$ 397,906.52
V02809	AT & T	2nd Street Utility Relocation	\$ 586,269.60	\$ 586,269.60
V02811	Xcel Energy	2nd Street & 4th Street Utility Relocations	\$ 769,791.73	\$ 769,791.73
V02812	Industrial Builders	WP-42F.1S - 2nd Street North Floodwall, South of Pump Station	\$ 16,720,591.15	\$ 16,720,591.15
V02813	Landwehr Construction	Park East Apartments Demolition	\$ 1,169,651.74	\$ 1,169,651.74
V02814	Primoris Aevenia	2nd Street Utility Relocation	\$ 16,230.00	\$ 16,230.00
V02815	Centurylink Communications	2nd Street Utility Relocation	\$ 2,660,937.92	\$ 2,660,937.92
V02816	Landwehr Construction	WP-42C.1 - In-Town Levees 2nd Street/Downtown Area Demo	\$ 907,999.08	\$ 907,999.08
V02817	Reiner Contracting, Inc	WP-42H.2 - El Zagal Area Flood Risk Management	\$ 1,599,646.21	\$ 1,599,646.21
V02818	Industrial Builders	WP-42I.1 - Mickelson Levee Extension	\$ 738,880.50	\$ 738,880.50
V02819	Industrial Builders	WP42F.1N - 2nd Street North	\$ 13,362,906.82	\$ 13,362,906.82
V02820	CH2M Hill	WP42 - Construction Management Services	\$ 851,775.30	\$ 851,775.30
V02821	Hough Incorporated	WP42F.2 - 2nd Street South	\$ 1,639,524.33	\$ 1,639,524.33
V02822	City of Fargo	COF - 2016 O&M on Lifts	\$ 323,023.74	\$ 323,023.74
V02823	Hoffman & McNamara	WP-42G General Landscaping and Planting	\$ 491,334.67	\$ 491,334.67
V02824	City of Fargo	COF – In-Town Flood Protection Debt Payments	\$ 23,989,850.00	\$ 23,989,850.00
V01703	Various	In-Town Property Purchases	\$ 21,176,116.94	\$ 19,958,677.43
V02825	Industrial Builders	WP-42E - 2nd Street South and Main Avenue Flood Mitigation	\$ 8,632,103.73	\$ 8,632,103.73
V02826	City of Fargo	In-Town Levee Maintenance	\$ 8,823.82	\$ 8,823.82
V054XX	City of Fargo	In-Town Complementary Work - Reimbursements	\$ 39,289,243.78	\$ 39,289,243.78
			<u>\$ 174,994,104.92</u>	<u>\$ 173,776,665.41</u>

**Legacy Bond Fund Balance Report**  
**As of 06/30/2023**

**Total Authorized \$ 435,500,000.00**

**Current Allocation \$ 219,000,000.00**

**Available funds remaining \$ 142,272,461.04**

<b>Funds Requested</b>				
	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>Total</b>
<b>January</b>	\$ -	\$ 2,942,906.60	\$ 9,981,188.76	\$ 12,924,095.36
<b>February</b>	\$ -	\$ 4,564,036.17	\$ 8,921,227.42	\$ 13,485,263.59
<b>March</b>	\$ -	\$ 5,302,899.35		\$ 5,302,899.35
<b>April</b>	\$ -	\$ 1,472,504.37		\$ 1,472,504.37
<b>May</b>	\$ -	\$ 1,450,140.38		\$ 1,450,140.38
<b>June</b>	\$ -	\$ 4,423,864.76		\$ 4,423,864.76
<b>July</b>	\$ -	\$ 2,663,992.40		\$ 2,663,992.40
<b>August</b>	\$ 5,059,974.19	\$ 13,491,974.29		\$ 18,551,948.48
<b>September</b>	\$ 2,970,327.95	\$ 8,406,666.33		\$ 11,376,994.28
<b>October</b>	\$ 6,089,707.34	\$ 4,618,116.80		\$ 10,707,824.14
<b>November</b>	\$ 6,415,461.09	\$ 11,768,061.46		\$ 18,183,522.55
<b>December</b>	\$ 6,854,966.95	\$ 17,496,559.97		\$ 24,351,526.92
<b>Total</b>	\$ 27,390,437.51	\$ 78,601,722.88	\$ 18,902,416.18	\$ 124,894,576.57

<b>Funds Received</b>				
<b>May 2022</b>	\$ 27,390,437.51			\$ 27,390,437.51
<b>Jul 2022</b>		\$ 12,809,842.12		\$ 12,809,842.12
<b>Sep 2022</b>		\$ 7,346,509.51		\$ 7,346,509.51
<b>Dec 2022</b>		\$ 29,180,749.82		\$ 29,180,749.82
<b>Jan 2023</b>			\$ 29,264,621.43	\$ 29,264,621.43
<b>Apr 2023</b>			\$ 18,902,416.18	\$ 18,902,416.18
			\$	\$ -
			\$	\$ -
<b>Total</b>	\$ 27,390,437.51	\$ 49,337,101.45	\$ 48,167,037.61	\$ 124,894,576.57

**State Revolving Fund (SRF) Status Report  
As of 06/30/2023**

<b>Total Authorized</b>	<b>\$</b>	<b>51,634,000.00</b>
<b>Funds Received to Date</b>	<b>\$</b>	<b>5,936,984.08</b>
<b>Available Balance Remaining</b>	<b>\$</b>	<b>45,697,015.92</b>

<b>Funds Requested</b>			
<b>Draw Request Number</b>	<b>Period Covered</b>	<b>Amount</b>	<b>Date Submitted</b>
<b>1</b>	12-Aug through 17-Oct-2022	\$ 1,272,651.90	19-Dec-22
<b>2</b>	09-Dec through 16-Dec-2022	\$ 2,125,033.67	17-Jan-23
<b>3</b>	03-Feb through 10-Feb-2023	\$ 2,539,298.51	03-Apr-23
<b>4</b>			
<b>Total</b>		<b>\$ 5,936,984.08</b>	

<b>Funds Received</b>			
<b>Draw Request Number</b>	<b>Period Covered</b>	<b>Amount</b>	<b>Date Received</b>
<b>1</b>	12-Aug through 17-Oct-2022	\$ 1,272,651.90	23-Dec-22
<b>2</b>	09-Dec through 16-Dec-2022	\$ 2,125,033.67	10-Feb-23
<b>3</b>	03-Feb through 10-Feb-2023	\$ 2,539,298.51	21-Apr-23
<b>4</b>			
<b>Total</b>		<b>\$ 5,936,984.08</b>	

Finance Committee Bills from July 2023

Vendor	Description		
Clay County	Diversion bills – Request #31 MCCJPA	\$	465,488.07
City of Fargo	Reimburse complementary in-town flood projects	\$	427,166.66
Clay County	Clay Co Hwy Dept – Hwy 2 Reconstruction	\$	220,042.93
Cass County Joint Water Resource District	Diversion bills – Request #110 CCJWRD	\$	184,299.54
Ohnstad Twichell, P.C.	Legal services rendered through June 21, 2023	\$	105,243.78
Clay County	Clay Co Hwy Dept – Hwy 2 Reconstruction	\$	15,805.76
Cass County	Reimburse misc expenses from Diversion Authority office	\$	3,498.50
Total Bills Received through July 19, 2023			<u>\$ 1,421,545.24</u>





COUNTY AUDITOR  
LORI J. JOHNSON  
Office Telephone (218) 299-5006

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July 17, 2023  
Diversion Authority  
P.O. Box 2806  
Fargo, ND 58108-2806

RE: Metro Flood Diversion Project

Greetings:

Attached to this email, please find a spreadsheet summary of invoices/expense and all documentation for invoices paid by Clay County for the FM Flood Diversion project. All requests were approved or authorized by the Diversion Authority. Current invoice/expense reimbursement request total is as follows:

Metro Flood Diversion	\$465,488.07
-----------------------	--------------

We respectfully request 100% reimbursement as per the Joint Powers Agreement.

If you have any questions, please feel free to contact us.

Sincerely,

Lori J. Johnson  
Clay County Auditor

Enclosures

Clay County Government Center  
3510 12<sup>th</sup> Ave S  
PO Box 280  
Moorhead, MN 56560

FM Diversion MCCJPA invoices

Processed

Vendor	Invoice Date	Invoice Description	Invoice Amount	Invoice #	Date Approved	Date Paid	Check #	Reimb Request
The Title Co.		closing oin 1791 Dahlstrom	\$372,653.83			5/15/23	906827	7/17/2023
Crown Appraisals, Inc.	2/1/23	prof svcs	\$18,000.00	4884	6/13/23	6/21/23	114023	7/17/2023
Crown Appraisals, Inc.	2/1/23	prof svcs	\$7,000.00	4925	6/13/23	6/21/23	114023	7/17/2023
Crown Appraisals, Inc.	2/1/23	prof svcs	\$31,500.00	4875	6/13/23	6/21/23	114023	7/17/2023
State of Minnesota	5/31/23	relocation assist	\$49.00	522138	6/19/23	6/28/23	114150	7/17/2023
State of Minnesota	5/31/23	relocation assist	\$49.00	522135	6/19/23	6/28/23	114150	7/17/2023
State of Minnesota	5/31/23	relocation assist	\$49.00	522137	6/19/23	6/28/23	114150	7/17/2023
State of Minnesota	5/31/23	relocation assist	\$49.00	522136	6/19/23	6/28/23	114150	7/17/2023
Barnesville Record Review	5/15/23	jpa mtg 5/15	\$36.00	5139	6/13/23	6/21/23	561117	7/17/2023
Red River Valley Coop	6/2/23	svc 13689 3rd st s	\$51.94		6/13/23	6/21/23	561148	7/17/2023
SRF Consulting Group	5/31/23	prof svcs thru 5/31/23	\$17,752.80	13820.00-32	6/13/23	6/21/23	561155	7/17/2023
ProSource Technologies		prof svc thru 6/3/23	\$18,297.50	1607	6/23/23	6/28/23	561276	7/17/2023

\$465,488.07



**FINANCE OFFICE**

PO Box 2083

225 4th Street North

Fargo, ND 58102

Phone: 701.241.1333 | Fax: 701.476.4188

www.FargoND.gov

July 13, 2023

Metro Flood Diversion Board of Authority  
PO Box 2806  
Fargo, ND 58108-2806

Dear Metro Flood Diversion Board of Authority,

The City of Fargo is submitting for reimbursement invoices paid totaling \$427,166.66. These costs are for work on complementary in-town flood protection projects for costs paid in June 2023.

**Project Narrative, this request:**

Project Number	Project Description	Amount
FM15J	Belmont Flood Risk Management Project	11,207.89
FM19B	Royal Oaks Area - Flood Risk Management	319.87
FM19C	Woodcrest Drive Area - Flood Risk Management	1,713.10
FM19H	University Drive Floodwall - Geotechnical Evaluation	1,175.50
FM22B	Geotechnical Design - Flood Mitigation	36,214.30
FM22C	Lift Station 55 & 56 - Flood Mitigation	315,500.70
NR19B	Storm Lift Rehab - #24	61,035.30
	<b>Total Expense for Period</b>	<b>\$427,166.66</b>

If you have any questions relating to our request, please feel free to contact us. Thank you.

Sincerely,

Susan Thompson  
Interim Director of Finance, City of Fargo

**City of Fargo, North Dakota**  
**Schedule of Complementary In-Town Flood Protection Costs**  
**June 1, 2023 - June 30, 2023**

Project Number	AP Project Description	Account Number	Description	AP Transaction Amount	Payment Number	AP Invoice Number	Payment Date	Vendor Name	Description	Bookmarked Invoice
FM15J5	FLOOD MIT-Beimnt Prk/Intk	46035305103305	FEMA GRANT OVERAGE DA SH	8,319.59	ES06230006	ES06230006	06/13/2023	City of Fargo	Construction - Grant Overage reimb.	<b>1</b>
			460-3530-510.33-05 - Total	8,319.59						
FM15J5	FLOOD MIT-Beimnt Prk/Intk	46035305107410	FEMA GRANT OVERAGE DA SH	2,888.30	ES06230006	ES06230006	06/13/2023	City of Fargo	Construction - Grant Overage reimb.	<b>1</b>
			460-3530-510.74-10 - Total	2,888.30						
<b>FM15J5 - Total</b>				<b>11,207.89</b>						
FM19B1	FLOOD MIT-Royal Oaks Dr	46035305103899	IRRIGATION REPAIR	319.87	328646	062223	06/29/2023	HOFFMAN, JORDAN	Irrigation Repair	<b>3</b>
			460-3530-510.38-99 - Total	319.87						
<b>FM19B1 - Total</b>				<b>319.87</b>						
FM19C1	FLOOD MIT-Woodcrest Dr N	46035305103899	149 S WOODCREST DR N	1,713.10	328609	062723	06/29/2023	CENTURYLINK ASSET ACCOUNTING-BART	Relocate	<b>4</b>
			460-3530-510.38-99 - Total	1,713.10						
<b>FM19C1 - Total</b>				<b>1,713.10</b>						
FM19H0	FLOOD MIT-52 Ave S/Univ	46035305103899	BRAUN INTERTEC CORP	1,175.50	1032	05/15-05/27/23	06/05/2023	BRAUN INTERTEC CORP	Geotechnical Monitoring	<b>5</b>
			460-3530-510.38-99 - Total	1,175.50						
<b>FM19H0 - Total</b>				<b>1,175.50</b>						
FM22B1	FLOOD MIT-Geo Tech Design	46000002062000	Retainage and Retainage R	18,145.46	328245	FM22B1 #8 046	06/15/2023	CC STEEL, LLC	Pay App #8 - Lift Station Repl/Rehab	<b>6</b>
			460-0000-206.20-00 - Total	18,145.46						
FM22B1	FLOOD MIT-Geo Tech Design	46035305103899	ACCT#51-4341057-3 ENG ST	17.09	328220	830598186	06/08/2023	XCEL ENERGY	520 Southwood Dr S Utility	<b>7</b>
			460-3530-510.38-99 - Total	17.09						
FM22B1	FLOOD MIT-Geo Tech Design	46035305107358	Change Order 1	844.00	328245	FM22B1 #8 001	06/15/2023	CC STEEL, LLC	Pay App #8 - Lift Station Repl/Rehab	<b>6</b>
FM22B1	FLOOD MIT-Geo Tech Design	46035305107358	Site #1: Lift Station #15	5,145.75	328245	FM22B1 #8 002	06/15/2023	CC STEEL, LLC	Pay App #8 - Lift Station Repl/Rehab	<b>6</b>
			460-3530-510.73-58 - Total	5,989.75						
FM22B1	FLOOD MIT-Geo Tech Design	46035305107366	Site #2: Southwood Swing	7,018.00	328245	FM22B1 #8 003	06/15/2023	CC STEEL, LLC	Pay App #8 - Lift Station Repl/Rehab	<b>6</b>
			460-3530-510.73-66 - Total	7,018.00						
FM22B1	FLOOD MIT-Geo Tech Design	46035305107369	Site #1: Lift Station #15	5,044.00	328245	FM22B1 #8 004	06/15/2023	CC STEEL, LLC	Pay App #8 - Lift Station Repl/Rehab	<b>6</b>
			460-3530-510.73-69 - Total	5,044.00						
<b>FM22B1 - Total</b>				<b>36,214.30</b>						
FM22C2	FLOOD MIT-Lift Statn55/56	46000002062000	Retainage and Retainage R	-16,605.30	328309	FM22C2 #6 047	06/15/2023	KEY CONTRACTING INC	Pay App #6 - Lift Station Repl/Rehab - Sts 55 & 56	<b>8</b>
			460-0000-206.20-00 - Total	-16,605.30						
FM22C2	FLOOD MIT-Lift Statn55/56	46035305107358	Lift Station #55	231,660.00	328309	FM22C2 #6 005	06/15/2023	KEY CONTRACTING INC	Pay App #6 - Lift Station Repl/Rehab - Sts 55 & 56	<b>8</b>
FM22C2	FLOOD MIT-Lift Statn55/56	46035305107358	Lift Station #56	98,850.00	328309	FM22C2 #6 006	06/15/2023	KEY CONTRACTING INC	Pay App #6 - Lift Station Repl/Rehab - Sts 55 & 56	<b>8</b>
			460-3530-510.73-58 - Total	330,510.00						
FM22C2	FLOOD MIT-Lift Statn55/56	46035305107369	Miscellaneous	1,596.00	328309	FM22C2 #6 007	06/15/2023	KEY CONTRACTING INC	Pay App #6 - Lift Station Repl/Rehab - Sts 55 & 56	<b>8</b>
			460-3530-510.73-69 - Total	1,596.00						
<b>FM22C2 - Total</b>				<b>315,500.70</b>						
NR19B1	STORM LIFT RHAB #24	46035305107358	PKG PAY APP #32-DA SHARE	29,250.00	CC06030010	CC06030010	06/06/2023	City of Fargo	Pay App #32 - Storm Water Portion - Construction	<b>9</b>
NR19B1	STORM LIFT RHAB #24	46035305107358	PKG PAY APP #34-DA SHARE	10,034.10	CC06230011	CC06230011	06/06/2023	City of Fargo	Pay App #34 - Storm Water Portion - Construction	<b>10</b>
NR19B1	STORM LIFT RHAB #24	46035305107358	PKG PAY APP #35-DA SHARE	21,751.20	CC06230012	CC06230012	06/06/2023	City of Fargo	Pay App #35 - Storm Water Portion - Construction	<b>11</b>
			460-3530-510.73-58 - Total	61,035.30						
<b>NR19B1 - Total</b>				<b>61,035.30</b>						
<b>Overall - Total</b>				<b>427,166.66</b>						

Jul 11, 2023

**HIGHWAY DEPARTMENT**

JUSTIN SORUM, Engineer

Office: (218) 299-5099

Fax: 1-888-259-8757



City of Fargo  
 Attn: FM Diversion Authority  
 225 4 St N  
 Fargo, ND 58102

BILLING DATE: DECEMBER 30, 2022

Acct # 90

ACCOUNT CHARGES	AMOUNT
County State Aid Highway 2 Reconstruction (SAP 14-602-031)	
<b>Professional Engineering Services through May 7, 2022</b>	
Ulteig - Municipal Civil - Engineering Services	13,867.56
Ulteig - Municipal Civil - Engineering Services	13,120.00
Ulteig - Municipal Civil - Engineering Services	11,060.00
Ulteig - Municipal Civil - Engineering Services	1,326.00
<b>Total Engineering Services</b>	\$ 39,373.56
<b>Railroad Crossing Reconstruction Services through November 22, 2022</b>	
BNSF Railway - Crossing Surface Reconstruction	21,796.31
BNSF Railway - Crossing Surface Reconstruction	4,531.54
BNSF Railway - Crossing Surface Reconstruction	144,466.52
Northern Improvement Co. - Crossing Surface Patch	9,875.00
<b>Total Railroad Crossing Services</b>	180,669.37
<i>* Ulteig, BNSF Railway, and Northern Improvement Co. invoices attached</i>	
<b>BALANCE DUE</b>	\$ <b>220,042.93</b>

Approved:   
 \_\_\_\_\_  
 Clay County Highway Engineer

Please make check payable to: CLAY COUNTY HIGHWAY DEPARTMENT

Please send remittance to: Clay County Auditor  
 3510 12th Ave S  
 PO Box 280  
 Moorhead, Minnesota 56560



Cass County  
Joint Water  
Resource  
District

SENT VIA EMAIL

July 7, 2023

Rodger Olson  
Chairman  
Leonard, North Dakota

Diversion Authority  
P.O. Box 2806  
Fargo, ND 58108-2806

Ken Lougheed  
Manager  
Gardner, North Dakota

Greetings:

Keith Weston  
Manager  
Fargo, North Dakota

RE: Metro Flood Diversion Project  
Oxbow-Hickson-Bakke Ring Levee Project

Jacob Gust  
Manager  
Fargo, North Dakota

Enclosed please find copies of bills totaling \$184,299.54 regarding the above referenced projects. The breakdown is as follows:

Rick Steen  
Manager  
Fargo, North Dakota

Metro Flood Diversion	\$183,757.54
Oxbow-Hickson-Bakke Ring Levee	542.00

At this time, we respectfully request 100% reimbursement per the Joint Powers Agreement between the City of Fargo, Cass County and Cass County Joint Water Resource District dated June 1, 2015.

If you have any questions, please feel free to contact us. Thank you.

Sincerely,

CASS COUNTY JOINT WATER RESOURCE DISTRICT

Carol Harbeke Lewis  
Secretary-Treasurer

Carol Harbeke Lewis  
Secretary-Treasurer

1201 Main Avenue West  
West Fargo, ND 58078-1301

Enclosures

701-298-2381  
FAX 701-298-2397  
[wrđ@casscountynđ.gov](mailto:wrđ@casscountynđ.gov)  
[casscountynđ.gov](http://casscountynđ.gov)

METRO FLOOD DIVERSION RIGHT OF ENTRY/LAND ACQUISITION COST SHARE INVOICES							7/7/2023
Invoice Paid	Invoice Date	Invoice No.	Project No.	Amount	Vendor	Description	
				(948,000.00)	Clerk of District Court	Return on deposit OIN 1181/1182 (Samuelson)	
				86.76	Cass County Joint WRD	Postage on Diversion-related mailings	
				77.00	Cass County Joint WRD	Copies	
				30.60	Cass County Joint WRD	Postage on Flowage Easement letters	
6/9/2023	5/25/2023	189095	130007	24,462.23	Ohnstad Twichell, P.C.	Legal-Diversion Right of Way Acquisition	
6/9/2023	5/25/2023	189097	160007	1,350.00	Ohnstad Twichell, P.C.	Legal-Channel Phase I	
6/9/2023	5/25/2023	189098	160007	182.00	Ohnstad Twichell, P.C.	Legal-Channel Phase II	
6/9/2023	5/25/2023	189099	160007	4,229.16	Ohnstad Twichell, P.C.	Legal-Channel Phase III	
6/9/2023	5/25/2023	189100	170007	38,644.15	Ohnstad Twichell, P.C.	Legal-Upstream Mitigation Area	
6/9/2023	5/25/2023	189101	187007	1,862.00	Ohnstad Twichell, P.C.	Legal-Diversion - Southern Embankment	
6/9/2023	5/25/2023	189102	197007	177.00	Ohnstad Twichell, P.C.	Legal-Western Tie Back	
6/9/2023	5/25/2023	189103	207007	252.00	Ohnstad Twichell, P.C.	Legal-I-29 Grade Raise	
6/9/2023	5/25/2023	189104	207007	2,687.70	Ohnstad Twichell, P.C.	Legal-Wetland Mitigation Drain 27	
6/16/2023	5/30/2023	33633	19706	400.00	Moore Engineering, Inc.	Engineering - MOU	
6/16/2023	5/30/2023	33634	19706	5,310.00	Moore Engineering, Inc.	Engineering - Task 2-P3 Legal Drain Inlet Technical Reviews	
6/9/2023	5/24/2023	ARIV1011488	R12.00049	10,052.00	Ulteig Engineers, Inc.	Task Order 2 - Proj Mgmt, ROW and relocation Services	
6/9/2023	4/30/2023	1441	3283-00	12,597.76	ProSource Technologies LLC	TO 2, Proj mgmt, Acquisition and relocation services	
6/9/2023	2/28/2023	4882		6,500.00	Crown Appraisals, Inc.	OIN 1947/1948 appraisal	
6/9/2023	5/15/2023	21923-AE		10,000.00	Patchin Messner Valuation Counselors	OIN 9993/9994 appraisal	
6/9/2023	6/9/2023			210,185.00	The Title Company	Schmidt and Sons Flowage Easement	
6/9/2023	6/9/2023			55,185.00	The Title Company	Bergh Flowage Easement	
6/16/2023	5/23/2023			2,089.54	MarshMcLennan Agency	liability insurance updates	
6/15/2023	6/10/2023	Y93E24233		29.30	UPS	mailing	
6/26/2023	6/6/2023	189228	187007	540.00	Ohnstad Twichell, P.C.	Legal-Bio/Geo Easements	
6/26/2023	6/6/2023	189229	207007	1,991.50	Ohnstad Twichell, P.C.	Legal-Gust (OIN 952) QTED	
6/26/2023	6/6/2023	189230	207007	4,634.00	Ohnstad Twichell, P.C.	Legal-Brandt RLT (OIN 9348) QTED	
6/26/2023	6/6/2023	189231	207007	2,106.50	Ohnstad Twichell, P.C.	Legal-Janet Wanzek Estate (OIN 8672-8675, 9747) QTED	
6/26/2023	6/6/2023	189232	207007	13,380.50	Ohnstad Twichell, P.C.	Legal-Libbrecht, Glen (OIN 698/9756-9759) QTED	
6/26/2023	6/6/2023	189233	207007	1,308.33	Ohnstad Twichell, P.C.	Legal-Perhus (OIN 747/751/5014-5015/5277) QTED	
6/26/2023	6/6/2023	189234	207007	5,260.50	Ohnstad Twichell, P.C.	Legal-Brodshaug RLT (OIN 5008/1930/1932/1940-1941/8517-8518) QT	
6/26/2023	6/6/2023	189235	207007	787.50	Ohnstad Twichell, P.C.	Legal-Samuelson RLT (OIN 1181/1182) QTED	
6/26/2023	6/6/2023	189236	217007	1,386.00	Ohnstad Twichell, P.C.	Legal-Coster RET (OIN 9736-9737) QTED	
6/26/2023	6/6/2023	189237	217007	3,294.00	Ohnstad Twichell, P.C.	Legal-Richard (OIN 27 1083) QTED	
6/26/2023	6/6/2023	189238	217007	126.00	Ohnstad Twichell, P.C.	Legal-Richard Farms (OIN 1087/1093/1095/5002) QTED	
6/26/2023	6/6/2023	189239	227007	252.00	Ohnstad Twichell, P.C.	Legal-Varriano (OIN 113) ED	
6/26/2023	6/6/2023	189240	227007	63.00	Ohnstad Twichell, P.C.	Legal-Brakke (OIN 1964) ED	
6/26/2023	6/6/2023	189241	227007	189.00	Ohnstad Twichell, P.C.	Legal-Cossette (OIN 2361) ED	
6/26/2023	6/6/2023	189242	227007	220.50	Ohnstad Twichell, P.C.	Legal-Brakke Family (OIN 1938/1977/1978) ED	
6/26/2023	6/6/2023	189243	227007	138.00	Ohnstad Twichell, P.C.	Legal-Brakke (OIN 1974/1976) ED	
6/26/2023	6/6/2023	189244	227007	35.00	Ohnstad Twichell, P.C.	Legal-Mathison (OIN 2006) ED	
6/26/2023	6/6/2023	189245	227007	138.00	Ohnstad Twichell, P.C.	Legal-Hertsgaard Family LLLP (OIN 2042) ED	
6/26/2023	6/6/2023	189246	237007	63.00	Ohnstad Twichell, P.C.	Legal-Erickson, Jeff (OIN 2025) ED	
6/26/2023	6/6/2023	189247	237007	217.00	Ohnstad Twichell, P.C.	Legal-K-F Farm Partnership (OIN 1996X/2001) ED	
6/26/2023	6/6/2023	189248	237007	63.00	Ohnstad Twichell, P.C.	Legal-Norberg (OIN 5023) ED	
6/26/2023	6/6/2023	189249	237007	63.00	Ohnstad Twichell, P.C.	Legal-Trottier (OIN 1958) ED	
6/26/2023	6/6/2023	189250	237007	63.00	Ohnstad Twichell, P.C.	Legal-Hanson, Ryan (OIN 1898) ED	
6/26/2023	6/6/2023	189251	237007	567.00	Ohnstad Twichell, P.C.	Legal-Cossettes (OIN 1075) ED	
6/26/2023	6/6/2023	189252	237007	63.00	Ohnstad Twichell, P.C.	Legal-Bellemare (OIN 1080/1081) ED	
6/26/2023	6/6/2023	189253	237007	1,680.00	Ohnstad Twichell, P.C.	Legal-KLC Holdings LLC (OIN 7225) ED	
6/26/2023	6/6/2023	189254	237007	1,139.68	Ohnstad Twichell, P.C.	Legal-Schultz/Southwind Asset Mgmt LLC (OIN 8359) ED	
6/26/2023	6/6/2023	189255	237007	63.00	Ohnstad Twichell, P.C.	Legal-Ihle, Peter (OIN 1949) ED	

Invoice Paid	Invoice Date	Invoice No.	Project No.	Amount	Vendor	Description	
6/6/2023	6/6/2023	189254	237007	138.00	Ohnstad Twichell, P.C.	Legal-Johnson, Ted (OIN 9423) ED	
6/26/2023	6/5/2023	822127	38810.00028	1,581.00	Larkin Hoffman Attorneys	Legal-Alm Flowage Easement	
6/26/2023	6/5/2023	822123	38810.00013	1,383.50	Larkin Hoffman Attorneys	Legal-Berg Flowage Easement	
6/26/2023	6/5/2023	822124	38810.00014	1,066.50	Larkin Hoffman Attorneys	Legal-Brungard/Nelson Flowage Easement	
6/26/2023	6/5/2023	822128	38810.00029	1,582.00	Larkin Hoffman Attorneys	Legal-Christianson Flowage Easement	
6/26/2023	6/5/2023	822131	38810.00043	474.00	Larkin Hoffman Attorneys	Legal-Penny Cirks	
6/26/2023	6/5/2023	822122	38810.00007	6,597.00	Larkin Hoffman Attorneys	Legal-CCJT v Daniel Flaten	
6/26/2023	6/5/2023	822125	38810.00015	948.00	Larkin Hoffman Attorneys	Legal-Israelson Land Partnership LLLP Flowage Easement	
6/26/2023	6/5/2023	822130	38810.00041	908.50	Larkin Hoffman Attorneys	Legal-CCJT v Knudsen	
6/26/2023	6/5/2023	822126	38810.00026	1,344.00	Larkin Hoffman Attorneys	Legal-Patrick Flowage Easement	
6/26/2023	6/5/2023	822129	38810.00031	513.50	Larkin Hoffman Attorneys	Legal-CCJT v Larry and Susan Richard	
6/26/2023	6/5/2023	822121	38810.00004	10,769.50	Larkin Hoffman Attorneys	Legal-Richland/Cass Cos/apps for Permit to Enter Land	
6/26/2023	6/13/2023	1200530192		32,007.59	HDR Engineering Inc	TO 1 Property Acquisition Services	
6/26/2023	5/31/2023	13783.00-37		41,586.99	SRF Consulting Group, Inc.	Project mgmt, ROW Services and relocation services	
6/26/2023	5/25/2023	21923-AD		43762.5	Patchin Messner Valuation Counselors	TO 6, Amendment 3 appraisals	
6/23/2023	6/23/2023			522,245.00	The Title Company	Olson Trust Flowage Easement	
6/23/2023	6/23/2023			18,731.00	The Title Company	Johnson/Ambuehl Flowage Easement	
6/23/2023	6/23/2023			3,215.00	The Title Company	Doss Flowage Easement	
6/23/2023	6/6/2023			16,434.84	Terry and Kristi Sauvageau	moving costs for OIN 1112/1113	
6/23/2023	6/8/2023			50.00	The Title Company	Draw 2 Longtine RIMP Loan	
6/26/2023	6/14/2023	1136433		19.80	Cass County Electric Cooperative	Service to 4857 173 Ave SE	
6/26/2023	6/14/2023	1132241		110.52	Cass County Electric Cooperative	Service to 5251 174 1/2 AV SE	
6/26/2023	6/14/2023	1108711		67.59	Cass County Electric Cooperative	Service to 17505 54 ST SE	
			<b>Total</b>	<b>183,757.54</b>			
OXBOW-HICKSON-BAKKE RING LEVEE INVOICES							
Invoice Paid	Invoice Date	Invoice No.	Purchase Order No.	Project No.	Amount	Vendor	Description
6/9/2023	5/25/2023	189096		140007	542.00	Ohnstad Twichell, P.C.	legal-OHB Levee project
				<b>Total</b>	<b>542.00</b>		
				<b>Grand Total</b>	<b>184,299.54</b>		



**OHNSTAD TWICHELL, P.C.**

**Attorneys at Law**

P.O Box 458  
West Fargo, ND 58078-0458  
701-282-3249

15-1395

JTS Invoice # 189878

Flood Diversion Board  
Bond Counsel Work - PPP

Date: July 11, 2023

To: Flood Diversion Board  
P.O Box 2806  
Fargo, ND 58108-2806

<b>PROFESSIONAL SERVICES RENDERED</b>			
	<b>Hours</b>	<b>Rate</b>	<b>Totals</b>
JTS	79.4	\$387.00	\$30,727.80
CMM	6.8	\$387.00	\$2,631.60
KJS	58.3	\$387.00	\$22,562.10
TJL	0.4	\$387.00	\$154.80
LWC	1.0	\$387.00	\$387.00
JRS	0.3	\$330.00	\$99.00
KJM	20.4	\$320.00	\$6,528.00
DCP	21.2	\$340.00	\$7,208.00
TJF	5.4	\$240.00	\$1,296.00
TJH	2.2	\$240.00	\$528.00
KKW	1.7	\$240.00	\$408.00
AJR	12.9	\$215.00	\$2,773.50
TWS	2.9	\$200.00	\$580.00
MRH	18.1	\$195.00	\$3,529.50
CEB	2.2	\$145.00	\$319.00
<b>Total Fees:</b>	<b>233.2</b>		<b>\$79,732.30</b>
Monthly Credit Card Processing Fee			\$6,520.42
NDRIN			\$77.00
Prof Service Fee Gwendolyn			\$15,750.00
Travel/Mileage			\$2,704.06
Secretary of State			\$460.00
<b>Total Expenses:</b>			<b>\$25,511.48</b>
<b>Grand Total</b>			<b>\$105,243.78</b>

		<b>Rates</b>
JTS	John T. Shockley, Partner, Supervising Attorney	\$387.00
CMM	Christopher M. McShane, Partner	\$387.00
ADC	Andrew D. Cook, Partner	\$387.00
SNW	Sarah M. Wear, Partner	\$387.00
LDA	Lukas D. Andrud, Partner	\$387.00
RGH	Robert G. Hoy, Partner	\$387.00
KJS	Katie J. Schmidt, Partner	\$387.00
MWM	Marshall W. McCullough, Partner	\$387.00
TJL	Tyler J. Leverington, Partner	\$387.00
LWC	Lukas W. Croaker, Partner	\$387.00
BTB	Brent T. Boeddeker, Partner	\$387.00
JRS	J.R. Strom, Associate	\$330.00
KJM	Kathryn J. McNamara, Associate	\$320.00
LRC	Leah R. Carlson, Associate	\$340.00
DCP	David C. Piper, Associate	\$340.00
JAM	Jenna A. McPherson, Associate	\$290.00
SIH	Stephen J. Hilfer, Associate	\$265.00
TJF	Tiffany J. Findlay, Associate	\$240.00
TJH	Tatiana J. Hackman, Associate	\$240.00
KKW	Katherine K. Wong, Associate	\$240.00
CAS	Carol A. Stillwell, Paralegal	\$215.00
AJR	Andrea J. Roman, Paralegal	\$215.00
CRD	Christie R. Dettling, Paralegal	\$195.00
KK	Kiara J. Klinkhammer, Paralegal	\$195.00
TWS	Tim W. Steuber, Paralegal	\$200.00
MRH	Meghan R. Hockert, Paralegal	\$195.00
ATW	Amy T. White, Paralegal	\$195.00
CEB	Claire E. Bruland, Paralegal	\$145.00
DLR	Dena L. Ranum, Legal Administrative Assistant	\$170.00
KMM	Karla M. Maertens, Legal Administrative Assistant	\$100.00

OHNSTAD TWICHELL, P.C.

COST ADVANCES BY US FOR YOUR ACCOUNT, FOR WHICH WE HAVE NOT

WEST FARGO, NORTH DAKOTA 58078

BEEN BILLED, WILL APPEAR ON YOUR NEXT STATEMENT.

## PROFESSIONAL SERVICES RENDERED

15-1395 JTS Invoice # 189878 Flood Diversion Board		Bond Counsel Work - PPP
FILE NUMBER	MATTER DESCRIPTION	INVOICE - TOTAL FEES
151395-1	General Topics (Includes General Governance Questions, Notices, etc.)	\$27,533.20
151395-2	Executive Director	\$623.50
151395-4	Public Finance Issues	\$154.80
151395-5	Consultant Contract Review/Development	\$915.90
151395-12	USACE Interface/Questions	\$5,464.00
151395-13	Third Party Utility MOU's	\$22,965.40
151395-17	EPA WIFIA Loan	\$2,861.40
151395-24	P3 Implementation	\$16,602.30
151395-26	Appraisal Review	\$348.30
151395-27	UMA/Utility Review	\$2,263.50
<b>TOTAL</b>		<b>\$79,732.30</b>

**HIGHWAY DEPARTMENT**

JUSTIN SORUM, Engineer

Office: (218) 299-5099

Fax: 1-888-259-8757



City of Fargo  
 Attn: FM Diversion Authority  
 225 4 St N  
 Fargo, ND 58102

BILLING DATE: JANUARY 19, 2023

Acct # 90

ACCOUNT CHARGES	AMOUNT
County State Aid Highway 2 Reconstruction (SAP 14-602-031)	
<b>Railroad Crossing Reconstruction Services through December 31, 2022</b>	
BNSF Railway - Crossing Surface Reconstruction	15,805.76
<b>Total Railroad Crossing Services</b>	\$ 15,805.76
* BNSF Railway invoice attached	

**BALANCE DUE**

\$ **15,805.76**

Approved: *Justin P. Sorum*  
 Clay County Highway Engineer

Please make check payable to: CLAY COUNTY HIGHWAY DEPARTMENT

Please send remittance to: Clay County Auditor  
 3510 12th Ave S  
 PO Box 280  
 Moorhead, Minnesota 56560



# INVOICE: INV002234

Date 07/18/2023  
 Invoice account 198

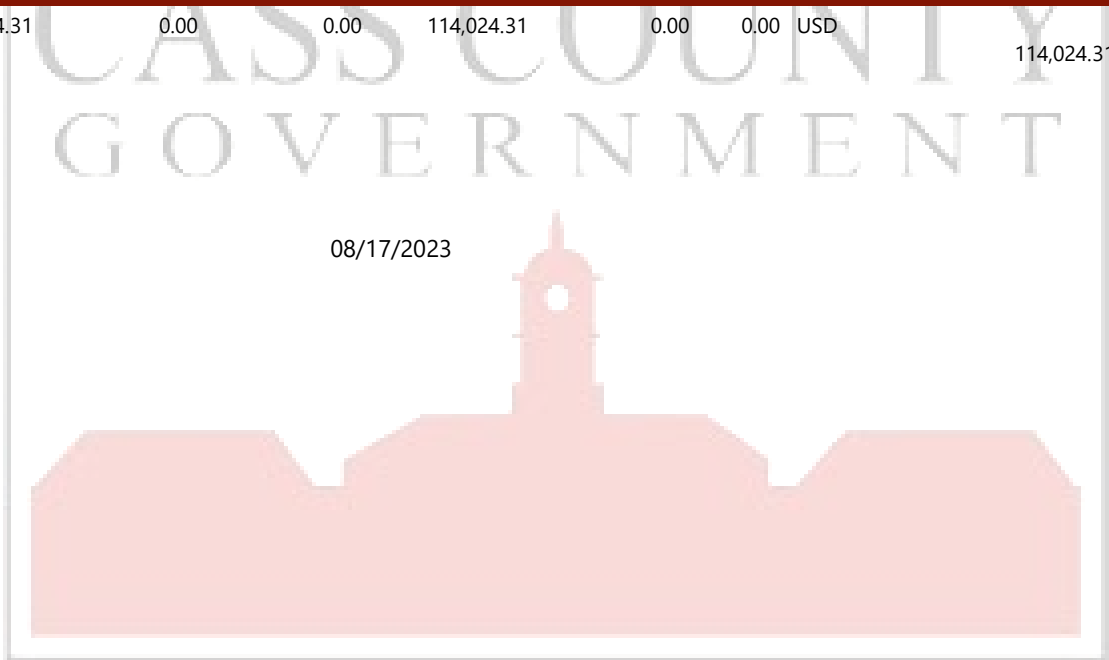
CITY OF FARGO  
 PO BOX 2083  
 FARGO, ND 58107-2083

Description	Quantity	Unit price	Amount
FM DIVERSION MISC EXPENSES	1.00	3,498.50	3,498.50
FM DIVERSION PAYROLL EXPENSES	1.00	110,525.81	110,525.81

Sales subtotal amount	Total discount	Total charges	Net amount	Sales tax	Round-off	Currency	Total
114,024.31	0.00	0.00	114,024.31	0.00	0.00	USD	114,024.31

Due date

08/17/2023



Please detach and send this copy with remittance.

**MAKE CHECK**

**PAYABLE TO:**

Cass County Government  
 211 9<sup>th</sup> Street South  
 P.O Box 2806  
 Fargo, ND 58108-2806

Invoice: **INV002234**

Date: 07/18/2023

**Total:** 114,024.31

Name: CITY OF FARGO

Account #: 198

**Due date** 08/17/2023



# Diversion Authority Finance Committee Meeting

July 26, 2023

Budget Change Requests  
Joel Paulsen



# Budget Change Request

ACONEX Document Control No. SWMLFC-CH2-FA-RFC-00006	Originator: D. Brown
Budget Change No. 016	Date: 17-July-2023
Title: Budget reallocation to cover AON Insurance Premiums	
Project: FM-Diversion	

The purpose of this form is for budget management by requesting approval to transfer program contingency budget to the current fiscal year; or make budget transfers within the fiscal year budget; or both.

**Request Description:**

A series of invoices were received in April-2023 from Aon Risk Insurance Services totaling \$5,448,765.42. This cost was not included in the FY2023 budget thus consequently caused an overrun on the non-construction program management Work Breakdown Structure (WBS). The initial FY2023 budget was set at \$8,274,200 to cover management software and consultancy fees. However, cost through 30-June (including Aon premiums) is \$8,666,341 showing a \$392,141 overrun. Hence, the non-construction program management WBS will need addition budget to support expect costs for the remaining year.

**Request Justification:**

The Aon insurance premiums are programmatic general and excess liability coverage throughout the life of the D&C period and, are required by MOU's and the P3 agreement. Therefore, in order to off-set the overrun described above and have sufficient budget for the remaining year; it is proposed to reallocate 5.5 million from two sources: 1) Channel Utility Relocations BNSF Operations EAC is 3 million under budget, and 2) In-Town R37' Works EAC is 2.5 million under budget to the Program Management WBS.

<b>General Impacts:</b>			Additional Information:		
<b>Authority Board Approval Required?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<b>Contract Types</b> <input type="checkbox"/> LS <input type="checkbox"/> TM <input type="checkbox"/> MOU <input type="checkbox"/> Task Order <input checked="" type="checkbox"/> N/A	<b>Request Type</b> <input type="checkbox"/> Project Initialization <input checked="" type="checkbox"/> Project Change <input type="checkbox"/> Contingency Release			
<b>Change Impacts To:</b> Scope/Technical <input type="checkbox"/> Direction <input type="checkbox"/> Schedule <input type="checkbox"/> Budget <input checked="" type="checkbox"/> Subcontract <input type="checkbox"/>					
<b>Budget Request Summary</b>			<b>Budget Request and Status</b>		
<b>Budget Increase:</b>	Added Scope: \$0	Over Runs: \$0		Cost Account	Amount
<b>Budget Decrease:</b>	Deferred Scope \$0	Deleted Scope \$0	Current Authorization (SOURCE)	DB-1011 CN-3660 SW-1150	24,720,628 22,000,000 8,274,200
<b>Internal Transfers:</b>	<b>From:</b> Cost Account DB-1011 CN-3660	<b>To:</b> Cost Account SW--1150	Current Request (Net Change)	DB-1011 CN-3660 SW-1150	-3,000,000 -2,500,000 +5,500,000
			Budget after Change	DB-1011 CN-3660 SW-1150	21,720,628 19,500,000 13,774,200

Authorization Level	Approval / Concurrence	NOTE: Approval will be documented via ACONEX Workflow		
5	Client – Joel Paulsen			
4	Program Manager			
3	Project Controls			
2	Contracts Manager			
1	Originator			



# Diversion Board of Authority Meeting

July 27, 2023

MOU and Agreement Actions for Consideration  
John Shockley





# MFDA MOUs & Agreements (Action)

MOU Parties	Project	MOU or Agreement Cost and Summary
Cass County & MFDA MOU – Amendment 1	SWDCAI	This is Amendment 1 to the Cass County & MFDA MOU for the SWDCAI. The purpose of Amendment 1 includes updates to Section 6.04 Frontage Road to reflect changes that were made to the technical requirements of the PA between the MFDA and the P3 Developer. There are no cost changes associated with this amendment.

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**FIRST AMENDMENT TO  
MEMORANDUM OF UNDERSTANDING**

**BY AND BETWEEN  
METRO FLOOD DIVERSION AUTHORITY  
AND  
CASS COUNTY, NORTH DAKOTA**

**Dated as of \_\_\_\_\_, 2023**

**Relating to:**

**A First Amendment to the Memorandum of Understanding outlining roles and responsibilities for the design, construction, and relocation of road facilities in conjunction with the Storm Water Diversion Channel and Associated Infrastructure of the Fargo-Moorhead Metropolitan Area Flood Risk Management Project.**

---

This instrument was drafted by:  
Ohnstad Twichell, P.C.  
P.O. Box 458  
West Fargo, North Dakota 58078

## FIRST AMENDMENT TO MEMORANDUM OF UNDERSTANDING

**THIS FIRST AMENDMENT TO MEMORANDUM OF UNDERSTANDING** (the “First Amendment”) is made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2023 (the “Effective Date”), by and between METRO FLOOD DIVERSION AUTHORITY, a political subdivision of the State of North Dakota (the “Authority”), and CASS COUNTY, NORTH DAKOTA, a political subdivision and home rule county of the State of North Dakota (the “County”).

**WHEREAS**, construction of the locally preferred plan for the Fargo-Moorhead Metropolitan Area Flood Risk Management Project (the “Comprehensive Project”) at the Fargo, North Dakota, and Moorhead, Minnesota, metropolitan area was authorized by Section 7002(2) of the Water Resources Reform and Development Act of 2014, Public Law 113-121; and

**WHEREAS**, the Authority is the local sponsor responsible for delivering the Comprehensive Project; and

**WHEREAS**, on December 17, 2020, the Authority and the County entered into a Memorandum of Understanding (the “MOU”) outlining the roles and responsibilities of the Parties for the SWDCAI of the Comprehensive Project; and

**WHEREAS**, the Authority and the County now desire to enter into this First Amendment to modify some of the terms of such roles and responsibilities.

**NOW, THEREFORE**, in consideration of the mutual covenants and agreements made herein, the Authority and the County agree as follows:

1. Amendments. The Parties agree to amend the MOU as set forth in this paragraph. Text that is underlined indicates an addition to the MOU and text that has a ~~strikethrough~~ indicates a deletion to the MOU.

A. Section 6.04 of the MOU is amended as follows:

**Section 6.04.** FRONTAGE ROAD. Between 166th Avenue Southeast and ~~the SWDCAI~~38th Street West, the Authority will ~~convert the Frontage Road to a minimum maintenance road by reclaiming/milling the existing asphalt and adding four (4) inches of gravel. The Authority will install a road closure gate on the east side of the 166th Avenue Southeast intersection per NDDOT Standard Drawing D900-3. On the east side of the SWDCAI, the Authority will dead end the Frontage Road and will construct a T-Type cul-de-sac for a single unit vehicle as shown in Figure 5-1G of the AASHTO A Policy on Geometric Design of Highways and Streets. The cul-de-sac will have a minimum of 7 inch HBP FAA 42 Superpave and 4 inch HBP FAA 42 Superpave shoulders. The Authority will provide end-of-road object markers and advance warnings signs per the FHWA Manual of Uniform Traffic Control Devices~~ construct improvements in accordance with BU-R22 – 37th St SE East of the Diversion Channel and BU-R23 – 37th St SE West of the Diversion Channel design documents, attached hereto as Exhibit E.

B. Exhibit D to the MOU is hereby modified as shown on the attached Exhibit D.

C. Exhibit E attached to this First Amendment is incorporated into the MOU as Exhibit E.

2. Governing Law. This First Amendment will be construed and enforced in accordance with North Dakota law.

3. Survival of Agreement. If any court of competent jurisdiction finds any provision or part of this First Amendment is invalid, illegal, or unenforceable, that portion will be deemed severed from this First Amendment, and all remaining terms and provisions of this First Amendment will remain binding and enforceable, and the Parties' obligations under this First Amendment will remain binding and enforceable.

4. Entire Agreement. This First Amendment, along with the MOU, and any other related documents, as well as any amendments to those agreements and documents, constitutes the entire agreement between the Parties regarding the matters described in this First Amendment.

5. Modifications. Any modifications or amendments to this First Amendment must be in writing and signed by all Parties of this First Amendment.

6. Binding Effect. The covenants, terms, conditions, provisions, and undertakings in this First Amendment, or in any amendment thereto, will be binding upon the Parties' permitted successors and assigns.

7. Representation. The Parties, having been represented by counsel or having waived the right to counsel, have carefully read the contents of this First Amendment and agree they have not been influenced by any representations or statements by any other parties.

8. Headings. Headings in this First Amendment are for convenience only and will not be used to interpret or construe its provisions.

9. Electronic Signatures. The Parties agree that an electronic signature to this First Amendment shall be valid as an original signature of the Party and shall bind the signatories of this MOU.

**IN WITNESS WHEREOF**, the Authority and the County caused this First Amendment to be executed.

*(Remainder of page intentionally left blank.)*

*Signature Page for Metro Flood Diversion Authority*

The Governing Body of the Metro Flood Diversion Authority approved this First Amendment on the \_\_\_ day of \_\_\_\_\_, 2023.

**METRO FLOOD DIVERSION  
AUTHORITY**

By: \_\_\_\_\_  
Dr. Timothy J. Mahoney, Chair

By: \_\_\_\_\_  
Joel Paulsen, Executive Director

ATTEST:

\_\_\_\_\_  
Dawn Lindblom, Secretary

*Signature Page for Cass County, North Dakota*

The Governing Body of Cass County, North Dakota, approved this First Amendment on the \_\_\_\_ day of \_\_\_\_\_, 2023.

**CASS COUNTY, NORTH DAKOTA**

By: \_\_\_\_\_  
Chad M. Peterson, Chairman of the  
Board of County Commissioners

ATTEST:

\_\_\_\_\_  
Brandy Madrigga, County Finance Director

## EXHIBIT D

### BRIDGE DESIGN CRITERIA

1. Design and construct Bridges in accordance with the following:

- A. AASHTO *LRFD Bridge Design Specifications*
- B. NDDOT *Design Manual Chapters IV and V*
- C. NDDOT *Standard Specifications for Road and Bridge Construction*

For cases where AASHTO specifications conflict with NDDOT standards and policies, the NDDOT standards and policies take precedence.

2. Bridge requirements:

- A. Provide a minimum one (1) foot clearance between the 1.0 percent ACE (100-year) Red River Peak Design Flow water surface elevation and the bottom of the lowest girder flange or appurtenance within each bridge span.
- B. Permissible bridge types are as follows:
  - a. Pre-stressed concrete I girder
  - b. Steel plate girders
  - c. Wide flange rolled girders
  - d. Cast-in-place and precast concrete box culverts
- C. Bridges utilizing fracture critical members are not allowed.
- D. Design and construct Bridges with concrete decking.
- E. Design bridges on “straight” or tangent sections. Horizontal curves or curve transitions are not permitted in the geometric design.
- ~~F. Design and construct bridges with a steel H pile foundation in which the piles are driving to the required bearing capacity.~~
- ~~G. Design and construct bridges with 1” expansion joints at each bridge end in accordance with NDDOT CADD Standard Drawing D550-04 Transverse Expansion Joint Detail.~~
- H. Obtain an individual bridge number for each structure from NDDOT; include this bridge number on design and plan sheets.

- I. Design and construct concrete bridge barrier rail with a ~~Kansas Corral Rail~~ an open style concrete railing that is rated TL-3 or better under MASH 2016 in compliance with the Technical Requirements.



## EXHIBIT E

### BU-R22 AND BU-R23 DESIGN REPORTS

DESIGN DATA				THE FARGO MOORHEAD METROPOLITAN FLOOD RISK MANAGEMENT PROJECT DIVERSION CHANNEL ASSOCIATED INFRASTRUCTURE WORK PACKAGE				STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.																
Traffic	Average Daily	Less Than 100 VPD		<b>BU-R22 DESIGN REPORT - CONSTRUCTION DOCUMENTS SUBMITTAL</b> Cass County 37th St. SE East of Diversion Channel 37th St SE (East of Channel)				ND	----	1	1																
Current	Pass:	Trucks:	Total: N/A																								
Forecast	Pass:	Trucks:	Total: N/A																								
Clear Zone Distance: 18 FT	Design Speed: 55 MPH																										
Minimum Sight Dist. for Stopping: 495 FT	Bridges:																										
Sight Dist. for No Passing Zone: N/A				<b>GOVERNING SPECIFICATIONS</b> The Work for this Buildable Unit will be performed in accordance with the NDDOT Construction Specifications as provided in Exhibit C of the Executed Memorandum of Understanding By and Between the Metro Flood Diversion Authority and the North Dakota Department of Transportation.  These Construction Specifications are Referenced in the Plans and are Provided on Aconex as RRVA Document Number NDOT-MD-SPE-00001 and Authority Document Number RRVA_LLC-RPT-00209.																							
Pavement Design Life				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">DESCRIPTION</th> <th style="text-align: center;">NET MILES</th> <th style="text-align: center;">GROSS MILES</th> </tr> </thead> <tbody> <tr> <td>37th St SE (East of Channel)</td> <td style="text-align: center;">---</td> <td style="text-align: center;">---</td> </tr> </tbody> </table>				DESCRIPTION	NET MILES	GROSS MILES	37th St SE (East of Channel)	---	---														
DESCRIPTION	NET MILES	GROSS MILES																									
37th St SE (East of Channel)	---	---																									
<p style="text-align: center;"><b>KEY PLAN</b> SCALE: N.T.S.</p>																											
<div style="border: 1px solid black; padding: 5px; display: inline-block;">NOT FOR CONSTRUCTION</div>																											
No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> <td style="text-align: center;"> </td> </tr> <tr> <td colspan="4" style="text-align: center;"> <b>FARGO-MOORHEAD AREA DCAI WORK PACKAGE</b> </td> </tr> <tr> <td colspan="4" style="text-align: center;">                     PE-E22 - 37th St SE East of Diversion Channel                      BU-R22 - 37th St SE East of Diversion Channel                 </td> </tr> <tr> <td colspan="4" style="text-align: center;">                     TITLE SHEET                 </td> </tr> </table>							<b>FARGO-MOORHEAD AREA DCAI WORK PACKAGE</b>				PE-E22 - 37th St SE East of Diversion Channel BU-R22 - 37th St SE East of Diversion Channel				TITLE SHEET			
<b>FARGO-MOORHEAD AREA DCAI WORK PACKAGE</b>																											
PE-E22 - 37th St SE East of Diversion Channel BU-R22 - 37th St SE East of Diversion Channel																											
TITLE SHEET																											

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	2	1

## TABLE OF CONTENTS

### PLAN SECTIONS

Section	Sheet	Description
1	1	Cover Sheet
2	1	Table of Contents
4	1	Scope of Work
6	1	Notes
20	1-3	General Details
40	1	Removals
50	1	Inlet Summary
51	1	Allowable Pipe List
60	1	Plan View
76	1	Temporary Erosion Control
82	1	Alignment Tables
110	1-3	Signing
200	1	Cross-sections

### STANDARD DRAWING LIST

Standard No	Description
D101-01	NDDOT Abbreviations
D101-02	NDDOT Abbreviations
D101-03	NDDOT Abbreviations
D101-04	NDDOT Abbreviations
D101-20	Line Styles
D101-21	Line Styles
D101-30	Symbols
D101-31	Symbols
D101-32	Symbols
D101-33	Symbols
D260-01	Erosion and Siltation Control - Silt Fence
D261-01	Erosion Control - Fiber Roll Placement Details
D714-27M	Pipe Installation Detail for Multiple Longitudinal Mainline Pipe or Pipe Not Under the Roadway
D754-23	Perforated Tube Assembly Details
D754-24	Mounting Details Perforated Tube
D754-24A	Breakaway Coupler System for Perforated Tubes
D754-25	Mounting Details Perforated Tube
D754-29	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D754-31	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D754-32	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D754-46	Punching, Stringer and Support Location Details for Regulatory, Warning and Guide Bike Route Signs
D754-47	Sign Punching, Stringer and Support Location Details for Variable Length Signs
D714-05	Corrugated Steel Pipe Arch Culverts and End Sections

These Standard Drawings are provided on Aconex as  
 RRVA Document Number: NDOT-MD-DWG-00001  
 Authority Document Number: RRVA\_LLC-DGN-00027

NOT FOR CONSTRUCTION

NOT FOR CONSTRUCTION								FARGO-MOORHEAD AREA DCAI WORK PACKAGE
								PE-R22 - 37th St SE (East of Diversion Channel) BU-R22 - 37th St SE (East of Diversion Channel)
					DESIGNER	COREY RAYFORD	06/12/2023	TABLE OF CONTENTS
				CHECKER	PHIL ROBERTS	06/12/2023		
				APPROVER	STEVE SEYMOUR	06/12/2023		
No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023				

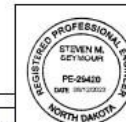
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	6	1

**NOTES**

- 102-P01 SOIL INFORMATION AND BORING LOGS:** Bore locations are referenced on the Section 4 Scope of Work plan sheets. Additional soil information including bore logs can be found in the project Geotechnical Design Report.
- 202-P01 REMOVE AGGREGATE MATERIALS:** This item shall include the salvaging or removal of aggregate material at locations shown in Section 40 of the plans. Upon salvaging or removal the material becomes property of the contractor. If salvaging, material must meet requirements of Section 816 of the NDDOT Standard Specification as executed in the Memorandum of Understanding for the Metro Flood Diversion Authority Project.
- 203-360 COMPACTION AND DENSITY CONTROL:** Compaction and density controls shall be in accordance with Section 203.4 E.2.b of the specification, "ND T-99" for clay embankment material and "ND T-180" for granular embankment material. Manipulate embankment material with disk equipment.
- 203-P01 ROADWAY OBLITERATION:** Limits of the roadway obliteration are as detailed in Section 40 of the plans. The work associated with this item shall include removal of base aggregate and topsoil within the existing roadbed and roadside ditches, and regrading of the roadway and ditches to match existing grades adjacent to the area while maintaining drainage. Existing ditching will remain where continuity of the drainage is needed. Remove a minimum of 50 feet length of the roadbed beyond the proposed roadway limits to a depth of 2 feet below the existing road grade.
- 203-P02 ROADWAY EMBANKMENT:** The road embankment for the dead-end terminations will consist of clay fill sourced from the Sherrack formation as excavated from the Diversion Channel excavation work.
- 203-P03 ROADWAY SUBGRADE PREPARATION AND PROOF ROLLING:** All subgrade areas to receive fill materials shall be inspected and approved by the Contractor. Fill materials shall not be placed on unstable or soft surfaces. In addition, the subgrade surface shall be free of ponding water, not frozen, or covered with snow or ice. Subgrades for roadways embankments and levees shall be proof rolled as noted below.  
  
The proof rolling shall be performed on the exposed subgrade, free of surface water which would promote degradation of the subgrade. The test shall be a single pass for every 10' of roadway width including shoulders, for the full length of the roadway embankment alignment. Acceptable equipment type are dump truck, articulated truck, scraper loaded with 4 cubic yards of soil or a minimum of 15 tons of material, pneumatic tired roller (for cohesive soil subgrades) or a steel-wheeled roller (for cohesionless soil subgrades), or other equipment as accepted by the geotechnical engineering representative.  
  
The proof rolling equipment shall operate systematically to ensure that the equipment has passed over all areas, and at speeds between 2.5 and 5.0 miles per hour. The subgrades shall be considered acceptable if 2 inches or less of deflection (i.e., that includes both recoverable and non-recoverable deformation) for new construction and 1/2 inch deflection for re-constructed or stabilized subgrade, as well as no pumping and cracking, is observed during the proof rolling activities. All proof rolling activities will be performed in the presence of a geotechnical engineering representative.  
  
Unstable ground conditions shall be addressed as directed by the geotechnical engineering representative and accepted by the Engineer of Record.
- 203-P04 CONTROL OF SURFACE WATER:** The Contractor shall be responsible for managing the control of surface water onto and off the work areas such that it does not interfere with performing the Work as required by the Design and Construction requirements. The Contractor shall put in place water management procedures to intercept all points or areas of surface water and overland flow that may run-onto the project/work areas. Off-site surface water run-on shall be diverted through or around the project work areas in a way that does not introduce construction related pollution, sedimentation, or erosion.

- 253-P01 MULCHING:** All excavation and embankment areas shall be stabilized with mulch after the completion of the earth moving operations.
- 430-P01 HMA:** The 7" hot bituminous pavement to be placed on the field approach shall be paver laid in 3 lifts. The first lift shall be 2.5' thick, the second lift shall be 2.5' thick, and the third lift shall be 2" thick.
- 704-P01 MAINTAINING ACCESS:** The contractor shall be responsible for providing continuous access to all residential dwellings and business establishments along and adjacent to this project. The contractor will be responsible for coordinating and communicating with adjacent landowners and residents regarding access control at the site.
- 950-P01 UTILITY COORDINATION:** Coordinate all utility relocation, lowering, and adjustments to finished grade with utility owner including adjustments to all handholes, pedestals, and appurtenances. Maintain minimum 4' cover depth with cover depth for water mains to be 7.5' minimum. Roadway crossings to be installed in conduit meeting the utility owner requirements.

NOT FOR CONSTRUCTION



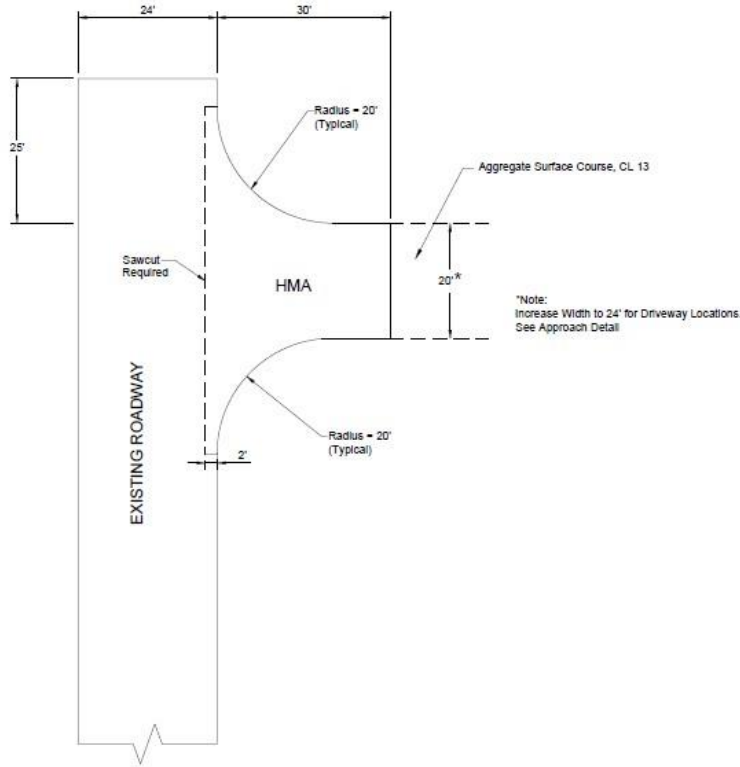
<b>MATCH COWI</b> Westwood		
DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023

	FARGO-MOORHEAD AREA DCAI WORK PACKAGE
PE-E22: 37th St SE (East of Diversion Channel) BU-R22: 37th St SE (East of Diversion Channel)	
NOTES	

No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023	

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	---	20	1

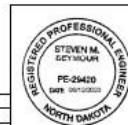
Note:  
 Paved Section of Field approach to be 7" HMA on 5" of Crushed Concrete on top of Geosynthetic Material Reinforcement R1.



Dead-end Termination Branch

NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023



FARGO-MOORHEAD AREA  
 DIVERSION DCAI WORK PACKAGE

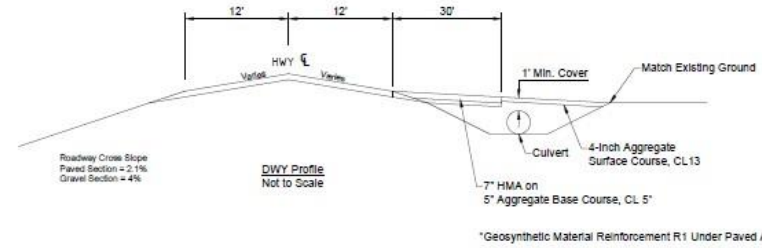
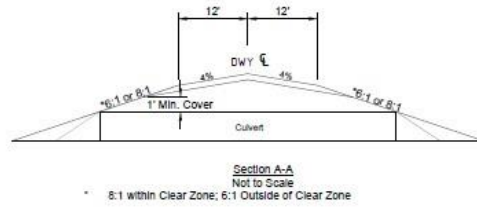
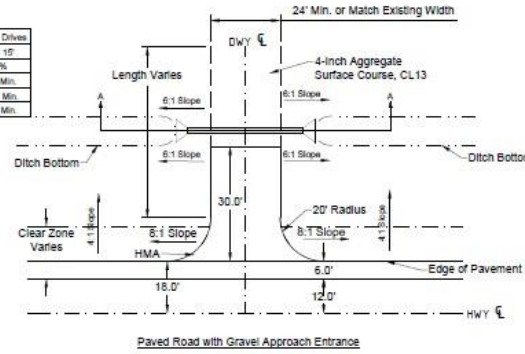
PE-E22 - 37th St SE East of Diversion Channel  
 BU-R22 - 37th St SE East of Diversion Channel

GENERAL LAYOUT DETAIL  
 PROPOSED

DESIGNER	ROLE	NAME	DATE
COREY RAYFORD	DESIGNER	COREY RAYFORD	06/12/2023
PHIL ROBERTS	CHECKER	PHIL ROBERTS	06/12/2023
STEVE SEYMOUR	APPROVER	STEVE SEYMOUR	06/12/2023

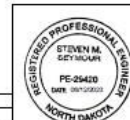
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	20	2

	Field Drives	Private Drives
Radius	R = 15'	R = 15'
Maximum Grade	10%	7%
Vertical Curve Length	10' Min.	10' Min.
Culvert Pipe Dia.	24" Min.	24" Min.
Culvert Pipe Length	40' Min.	40' Min.



\*Geosynthetic Material Reinforcement R1 Under Paved Area.

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

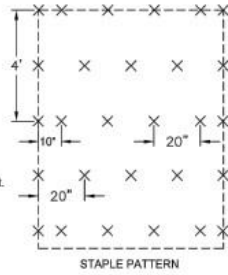
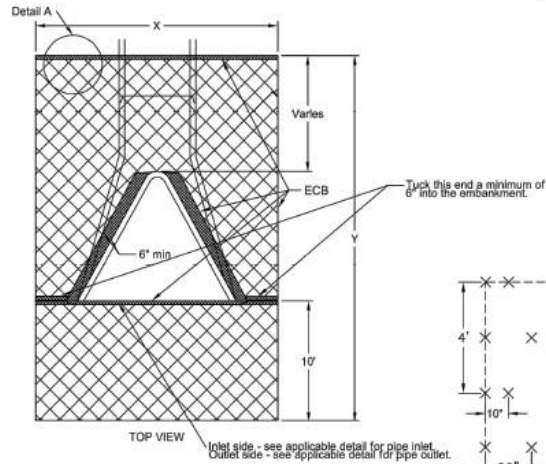
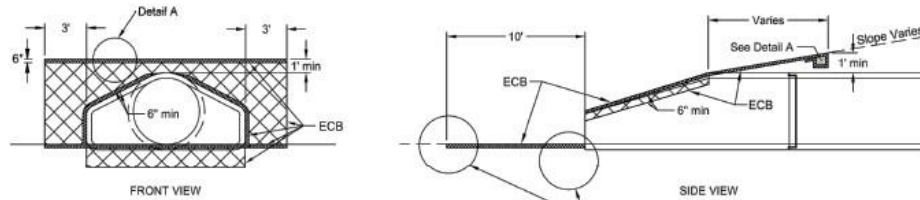
PE-E22 - 37th St SE East of Diversion Channel  
BU-R22 - 37th St SE East of Diversion Channel

APPROACH DETAIL

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023

DESIGNER	COREY RAYFORD	06/12/2023	
CHECKER	PHIL ROBERTS	06/12/2023	
APPROVER	STEVE SEYMOUR	06/12/2023	
REG. PROF.	ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	20	3



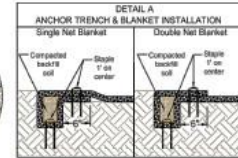
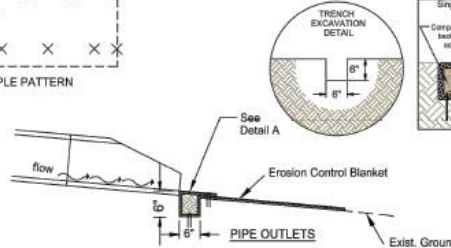
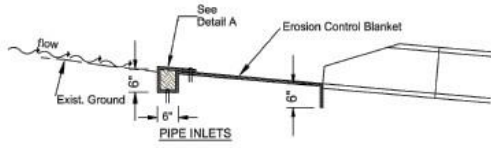
DIA	X	Y	Surface area to be protected	ECB
In	Ft	Ft	SF	SY
15	8.0	20.0	176.0	20
18	9.5	20.7	190.7	22
21	9.5	21.0	190.9	22
24	10.5	19.6	193.1	22
27	11.0	20.0	204.3	23
30	11.6	20.5	218.3	25
36	12.7	21.2	242.1	27
42	13.3	21.2	251.8	28
48	13.8	22.0	265.6	30
54	14.5	21.5	273.7	31
60	15.0	21.0	278.3	31
66	15.6	22.0	295.7	33
72	16.2	22.5	309.2	35

Note: Quantities based on 6:1 slope.

DIA	X	Y	Surface area to be protected	ECB	DIA	X	Y	Surface area to be protected	ECB
In	Ft	Ft	SF	SY	In	Ft	Ft	SF	SY
24	10.5	19.6	193.1	22	24	10.5	17.6	172.1	20
27	11.0	20.0	204.3	23	27	11.0	18.0	192.3	21
30	11.6	20.5	218.3	25	30	11.6	18.5	195.1	22
36	12.7	21.2	242.1	27	36	12.7	19.2	216.7	24
42	13.3	21.2	251.8	28	42	13.3	19.2	225.2	25
48	13.8	22.0	265.6	30	48	13.8	20.0	238.0	27
54	14.5	21.5	273.7	31	54	14.5	19.5	244.7	28
60	15.0	21.0	278.3	31	60	15.0	19.0	248.3	28
66	15.6	22.0	295.7	33	66	15.6	20.0	264.5	30
72	16.2	22.5	309.2	35	72	16.2	20.5	276.8	31

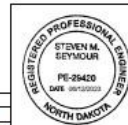
Note: Quantities based on 4:1 slope.

NOTE: Tuck the ECB a minimum of 6" into the embankment (against the flared end section) around the opening of the flared end section.



NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023



FARGO-MOORHEAD AREA DIVERSION DCAI WORK PACKAGE

PE-E22 - 37th St SE (East of Diversion Channel)  
BU-E22 - 37th St SE (East of Diversion Channel)

CULVERT END PROTECTION

DESIGNER	COREY RAYFORD	06/12/2023	
CHECKER	PHIL ROBERTS	06/12/2023	
APPROVER	STEVE SEYMOUR	06/12/2023	
REG. PROF.	ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	50	1

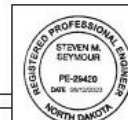
**CULVERT END SECTION DATA**  
 Inlet No.: 100A  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE (East)  
 Station: 103+86.92 53.10 R  
 CSP - 24 Inch (E): 899.53

**CULVERT END SECTION DATA**  
 Inlet No.: 100B  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE (East)  
 Station: 104+38.00 53.65 R  
 CSP - 24 Inch (W): 899.48

**CULVERT END SECTION DATA**  
 Inlet No.: 101A  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE (East)  
 Station: 103+87.10 46.10 R  
 CSP - 24 Inch (E): 899.53

**CULVERT END SECTION DATA**  
 Inlet No.: 101B  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE (East)  
 Station: 104+38.04 46.65 R  
 CSP - 24 Inch (W): 899.48

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
 BU-R22 - 37th St SE East of Diversion Channel

INLET SUMMARY

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023

DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023
ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	51	1

ALLOWABLE PIPE LIST																
Begin Station	Begin Offset	End Station	End Offset	Location	Design Flow Q <sub>10</sub> (cfs)	Pipe Installation			Allowable Material	Required Diameter Inch	Steel Pipe Coating Type	Steel Pipe Corrugations or Spiral Rib Inch	Steel Pipe Mn. Thickness Inch	End Section		Applicable Backfill Detail
						Inch	Item	LF						Begin EA	End EA	
103+86.92	53.10' R	104+38.00	53.65' R	37th St SE (East of Channel)	11.6	24	Pipe Corr. Steel 0.064 In 24 In	50	Corrugated Steel Pipe (barrel length - 50 LF)	24	Z, A	2	0.064	1 - FES	1 - FES	See Standard Drawing D-714-27M
103+87.10	46.10' R	104+38.04	46.65' R	37th St SE (East of Channel)	See Above	24	Pipe Corr. Steel 0.064 In 24 In	50	Corrugated Steel Pipe (barrel length - 50 LF)	24	Z, A	2	0.064	1 - FES	1 - FES	See Standard Drawing D-714-27M

Coatings: Z = Zinc  
 A = Aluminum  
 P = Polymeric (over Zinc or Aluminum)

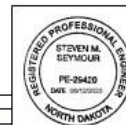
Corrugations: 2 = 2-2/3" x 1/2"  
 3 = 3" x 1"  
 5 = 5" x 1"

Spiral Ribs: 3/4 = 3/4" x 3/4" @ 7-1/2"  
 1 = 3/4" x 1" @ 11-1/2"

End Sections: R & R = Remove & Relay  
 FES = Flared End Section  
 TES = Traversable End Section

Note: Alternative Water Conveyance Being Considered to Convey Equivalent Flows. Engineer Approval Required

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
 BU-R22 - 37th St SE East of Diversion Channel

ALLOWABLE PIPE LIST

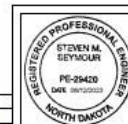
No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023		DESIGNER	COREY RAYFORD	06/12/2023
						CHECKER	PHIL ROBERTS	06/12/2023
						APPROVER	STEVE SEYMOUR	06/12/2023



STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	82	1

37th St SE  
**Tangent Data**  
 Start Point - N: 461,165.1400 E: 2,849,159.6882 Sta: 97+50.03  
 Course - N87° 27' 43.31"E Dist: 549.9743  
 End Point - N: 461,193.9218 E: 2,849,609.0249 Sta: 104+00.00  
**Tangent Data**  
 Start Point - N: 461,193.9218 E: 2,849,609.0249 Sta: 104+00.00  
 Course - N86° 37' 21.75"E Dist: 90.0000'  
 End Point - N: 461,196.0850 E: 2,849,898.9989 Sta: 104+90.00  
**Tangent Data**  
 Start Point - N: 461,196.0850 E: 2,849,898.9989 Sta: 104+90.00  
 Course - S89° 52' 23.34"E Dist: 39.3344'  
 End Point - N: 461,195.9979 E: 2,849,938.3332 Sta: 105+29.33  
**Curve Data**  
 P.I. Station - N: 461,195.7890 E: 2,850,032.7045 Sta: 106+23.71  
 Delta - 10° 03' 55.18"  
 Degree - 5° 20' 47.68"  
 Tangent - 94.3715'  
 Length - 188.2573'  
 Radius - 1,071.6345'  
 External - 4.1473'  
 Long Chord - 188.0154'  
 Mid. Ord. - 4.1313'  
 P.C. Station - N: 461,195.9979 E: 2,849,938.3332 Sta: 105+29.33  
 P.T. Station - N: 461,179.0899 E: 2,850,125.5668 Sta: 107+17.59  
 C.C. - N: 460,124.3661 E: 2,849,935.9607  
 Back - S89° 52' 23.34"E  
 Ahead - S79° 48' 28.16"E  
 Chord Bear - S84° 50' 25.75"E  
**Tangent Data**  
 Start Point - N: 461,179.0899 E: 2,850,125.5668 Sta: 107+17.59  
 Course - S79° 48' 28.16"E Dist: 23.4121'  
 End Point - N: 461,174.9472 E: 2,850,148.6295 Sta: 107+41.00

NOT FOR CONSTRUCTION



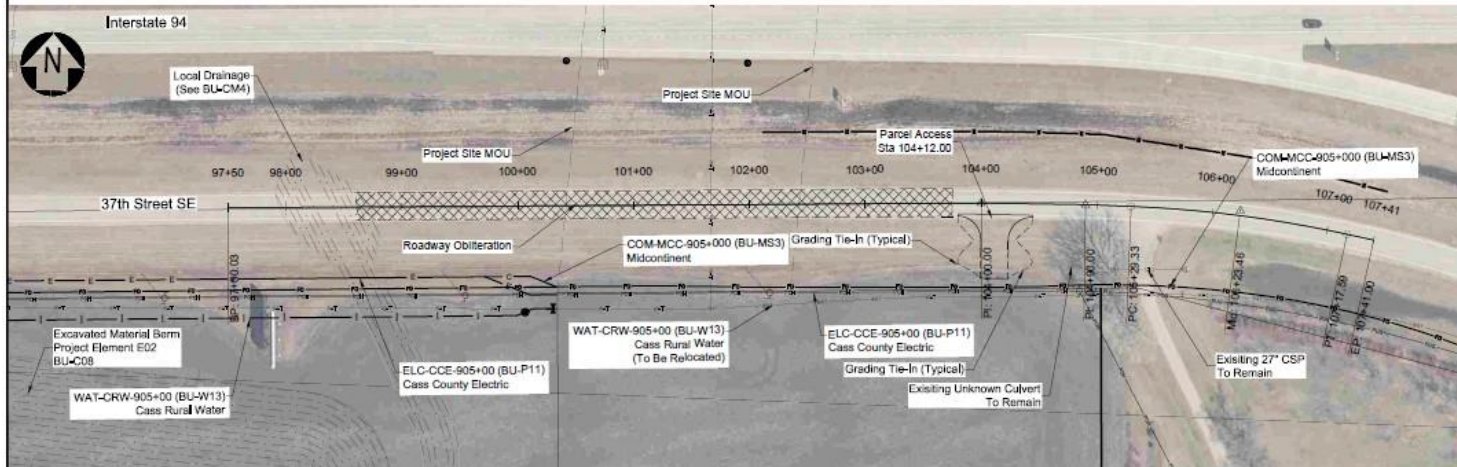
FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
 BU-R22 - 37th St SE East of Diversion Channel

ALIGNMENT TABLES

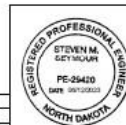
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00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023		DESIGNER	COREY RAYFORD	06/12/2023
						CHECKER	PHIL ROBERTS	06/12/2023
						APPROVER	STEVE SEYMOUR	06/12/2023

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	---	40	1



NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023



FARGO-MOORHEAD AREA DIVERSION DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
BU-R22 - 37th St SE East of Diversion Channel

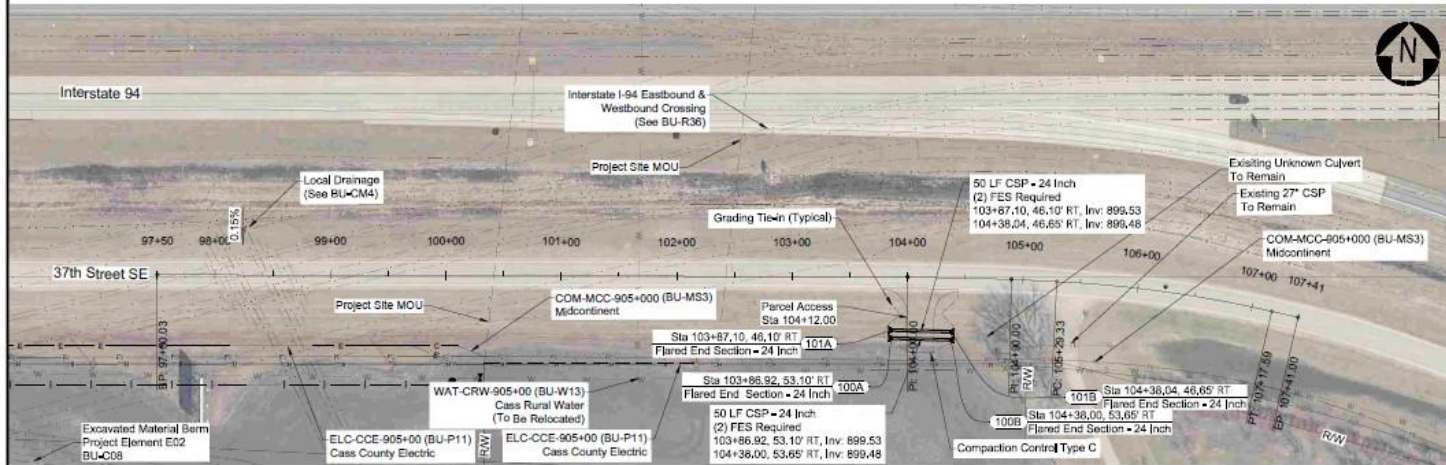
REMOVALS  
STA 98+50 TO STA 104+90  
37TH ST SE (EAST OF DIVERSION CHANNEL)

DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023
ROLE	NAME	DATE

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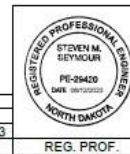
R22-C-102801

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
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NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
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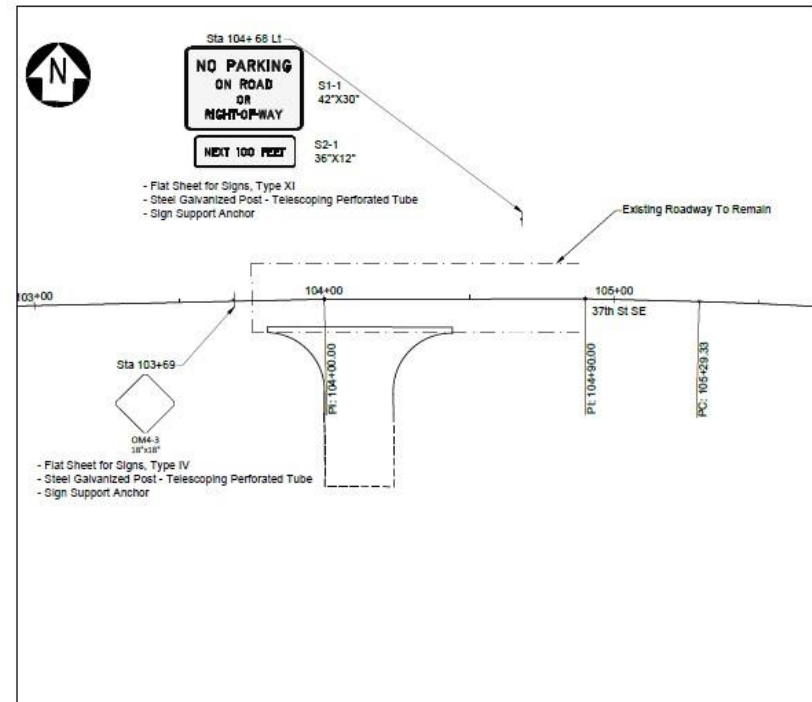
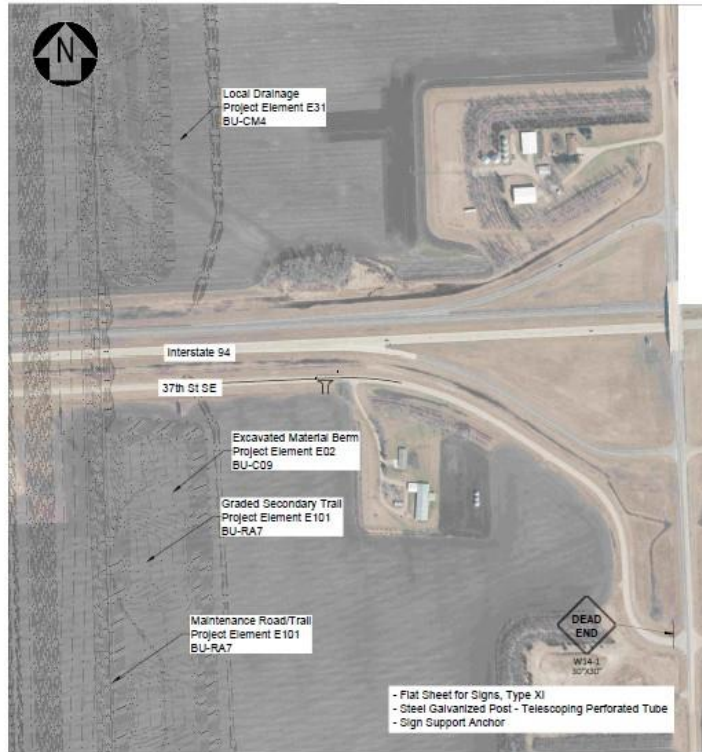
<b>HATCH</b>		
<b>WOOD</b>		
DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023
REG. PROF.	ROLE	NAME
		DATE

	FARGO-MOORHEAD AREA DCAI WORK PACKAGE
PE-E22 - 37th St SE East of Diversion Channel BU-R22 - 37th St SE East of Diversion Channel	
PLAN VIEW 37TH ST SE EAST OF DIVERSION CHANNEL STA 103+75 TO STA 104+90	

06/02/2023 8:40:25 AM c:\pwworking\hatch-wood-usa\dwg\1218994088\1-110-229-294-2701.dwg

R22-C-203701

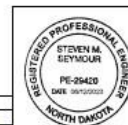
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	110	1



- Notes:**
1. Minimum Vertical Clearance: Provide at Least 6' Measured From the Bottom of the Sign to the Edge of the Driving Lane or Auxiliary Lane at the Side of the Road in Rural Districts. Provide at Least 7' Clearance to the Bottom of the Sign Where Parking or Pedestrian Movements Occur.
  2. Maximum Vertical Clearance is 6' Greater Than the Minimum Vertical Clearance.
  3. Posts: Use Telespar Posts, Breakaway Systems, and Anchor Systems per Cass County Standards.
  4. Cass County Ordinance Signing for No Motorized Vehicles, No Littering, and Pedestrian Access Only Included and Installed as Part of the Security and Access Buildable Unit (See BU-RH6).

NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
BU-R22 - 37th St SE East of Diversion Channel

SIGNING

DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023
ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	---	110	2

SIGN DETAIL  
1:20



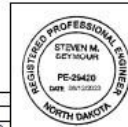
SIGN NUMBER	S1-1
WIDTH x HIGHT.	3'-6" x 2'-6"
BORDER WIDTH	0-7/8"
CORNER RADIUS	2-1/4"
MOUNTING	Ground
SIGN AREA	8.8 Sq.Ft.
BACKGROUND	TYPE: Reflective
	COLOR: White
LEGEND/BORDER	TYPE: Reflective
	COLOR: Black

SYMBOL	X	Y	WD	HT

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE	
	N	O		P	A	R	K	I	N	G					D 2000
47/8"	61/2"		4	213/4"							47/8"				321/4"
	O	N		R	O	A	D								D 2000
113/8"	51/4"		31/4"	107/8"						113/8"					193/8"
	O	R													D 2000
183/4"	43/8"		183/4"												43/8"
	R	I	G	H	T	-	O	F	-	W	A	Y			D 2000
73/4"	265/8"											73/4"			265/8"



NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

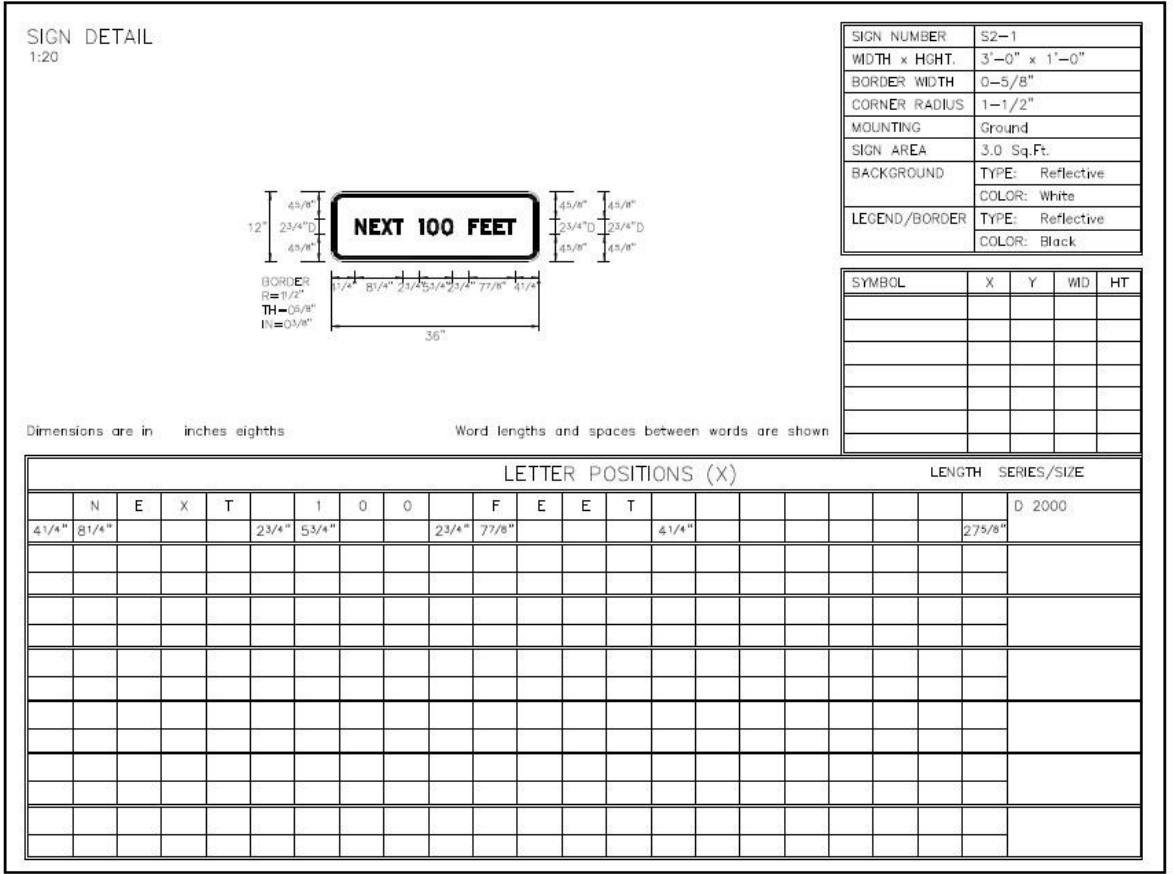
PE-E22 - 37th St SE East of Diversion Channel  
BU-R22 - 37th St SE East of Diversion Channel

SIGN DETAIL

DESIGNER	COREY RAYFORD	06/12/2023						
CHECKER	PHIL ROBERTS	06/12/2023						
APPROVER	STEVE SEYMOUR	06/12/2023						
No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE
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STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	110	3



SIGN NUMBER	S2-1
WIDTH x HIGHT	3'-0" x 1'-0"
BORDER WIDTH	0-5/8"
CORNER RADIUS	1-1/2"
MOUNTING	Ground
SIGN AREA	3.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black

SYMBOL	X	Y	WID	HT

Dimensions are in inches eighths Word lengths and spaces between words are shown



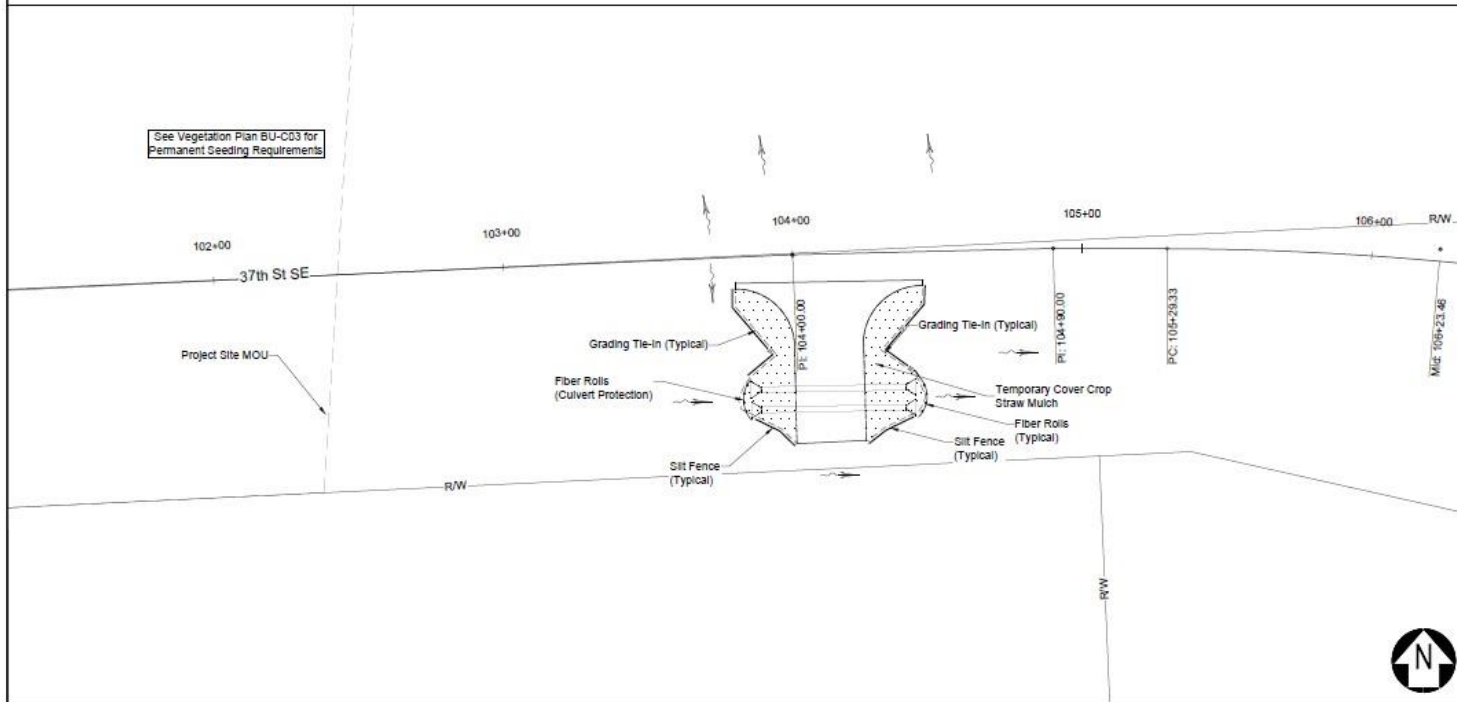
NOT FOR CONSTRUCTION

				DESIGNER	COREY RAYFORD	06/12/2023
				CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023	SIGN DETAIL 37TH ST SE EAST OF CHANNEL			

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023

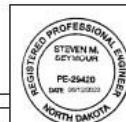
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STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	76	1



Notes:  
 1. Silt Fence To Be Placed a Maximum of 5' Clear From the Grading Tie-in.

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
 BU-R22 - 37th St SE East of Diversion Channel

TEMPORARY EROSION CONTROL  
 37TH ST SE (EAST OF DIVERSION CHANNEL)  
 STA 103+75 TO STA 104+90

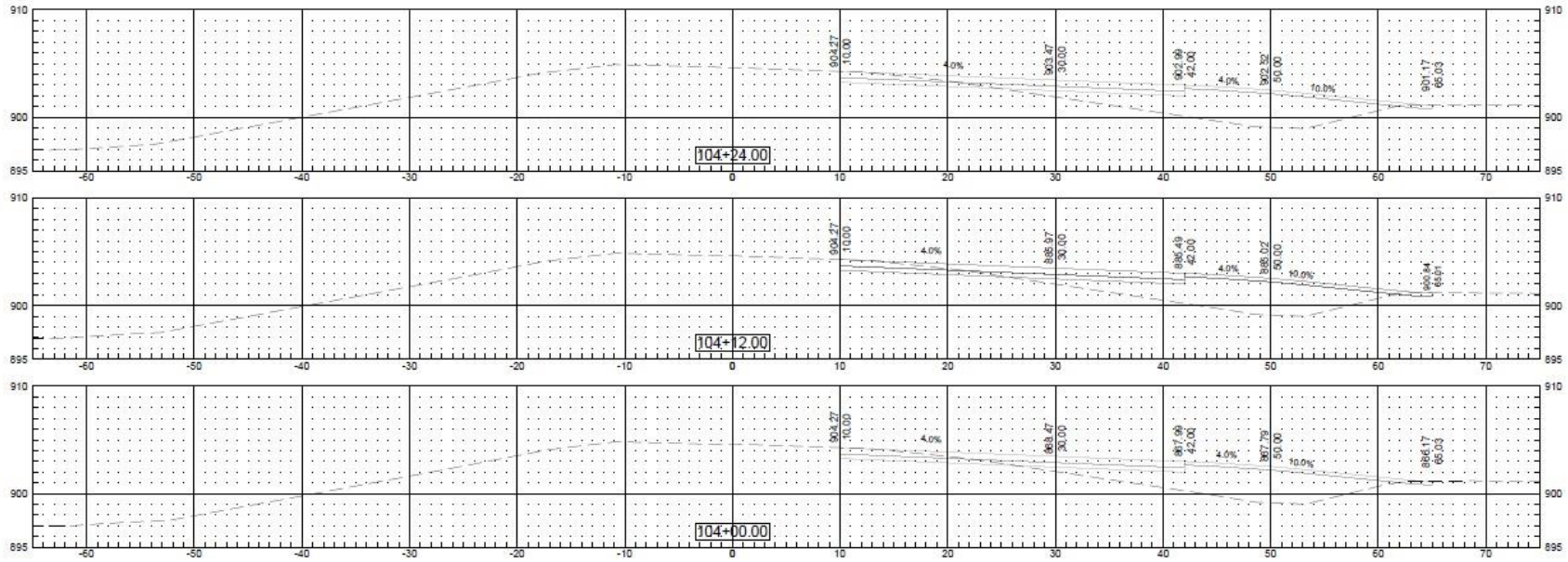
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00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023

DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023
ROLE	NAME	DATE

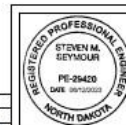
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R22-C-214601

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	200	1



NOT FOR CONSTRUCTION



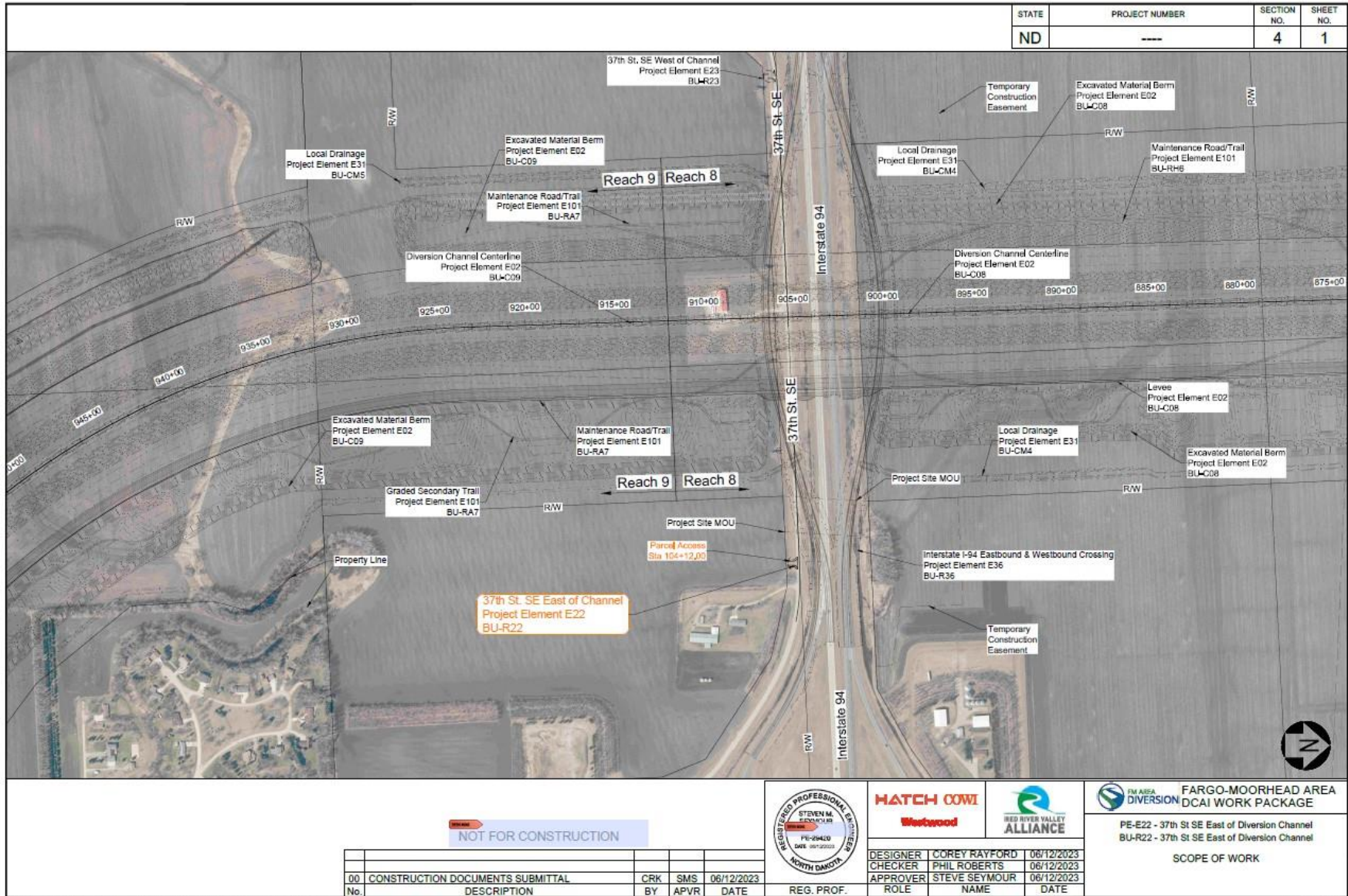
FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
BU-R22 - 37th St SE East of Diversion Channel

CROSS SECTIONS  
37TH ST SE (EAST OF DIVERSION CHANNEL)

No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023		DESIGNER	COREY RAYFORD	06/12/2023
						CHECKER	PHIL ROBERTS	06/12/2023
						APPROVER	STEVE SEYMOUR	06/12/2023





STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	4	1

**NOT FOR CONSTRUCTION**

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/12/2023



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E22 - 37th St SE East of Diversion Channel  
BU-R22 - 37th St SE East of Diversion Channel

SCOPE OF WORK

DESIGNER	COREY RAYFORD	06/12/2023
CHECKER	PHIL ROBERTS	06/12/2023
APPROVER	STEVE SEYMOUR	06/12/2023
ROLE	NAME	DATE

DESIGN DATA			
Traffic	Average Daily Less Than 100 VPD		
Current	Pass:	Trucks:	Total: N/A
Forecast	Pass:	Trucks:	Total: N/A
Clear Zone Distance: 18 FT	Design Speed: 55 MPH		
Minimum Sight Dist. for Stopping: 495 FT	Bridges:		
Sight Dist. for No Passing Zone: N/A			
Pavement Design Life			

## THE FARGO MOORHEAD METROPOLITAN FLOOD RISK MANAGEMENT PROJECT DIVERSION CHANNEL ASSOCIATED INFRASTRUCTURE WORK PACKAGE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	1	1

### GOVERNING SPECIFICATIONS

The Work for this Buildable Unit will be performed in accordance with the NDDOT Construction Specifications as provided in Exhibit C of the Executed Memorandum of Understanding By and Between the Metro Flood Diversion Authority and the North Dakota Department of Transportation.

These Construction Specifications are Referenced in the Plans and are Provided on Aconex as RRVA Document Number NDOT-MD-SPE-00001 and Authority Document Number RRVA\_LLC-RPT-00209.

### BU-R23 DESIGN REPORT - CONSTRUCTION DOCUMENTS SUBMITTAL

Cass County  
37th St. SE West of Diversion Channel  
37th St SE (West of Channel)

DESCRIPTION	NET MILES	GROSS MILES
37th St SE (West of Channel)	--	--



**KEY PLAN**

SCALE: N.T.S.



STATE COUNTY MAP

NOT FOR CONSTRUCTION

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				No.	00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023											
		DESCRIPTION	BY	APVR	DATE															
REG. PROF.	DESIGNER	COREY RAYFORD	06/09/2023																	
			CHECKER	PHIL ROBERTS	06/09/2023															
			APPROVER	STEVE SEYMOUR	06/09/2023															
			ROLE	NAME	DATE															

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	2	1

## TABLE OF CONTENTS

### PLAN SECTIONS

Section	Sheet	Description
1	1	Cover Sheet
2	1	Table of Contents
4	1	Scope of Work
6	1	Notes
20	1-3	General Details
40	1	Removals
50	1	Inlet Summary
51	1	Allowable Pipe List
60	1	Plan View
76	1	Temporary Erosion Control
82	1	Alignment Tables
110	1-3	Signing
200	1	Cross-sections

### STANDARD DRAWING LIST

Standard No	Description
D101-01	NDDOT Abbreviations
D101-02	NDDOT Abbreviations
D101-03	NDDOT Abbreviations
D101-04	NDDOT Abbreviations
D101-20	Line Styles
D101-21	Line Styles
D101-30	Symbols
D101-31	Symbols
D101-32	Symbols
D101-33	Symbols
D203-08	Standard Rural Approaches
D260-01	Erosion and Siltation Control - Silt Fence
D261-01	Erosion Control - Fiber Roll Placement Details
D714-27M	Pipe Installation Detail for Multiple Longitudinal Mainline Pipe or Pipe Not Under the Roadway
D754-23	Perforated Tube Assembly Details
D754-24	Mounting Details Perforated Tube
D754-24A	Breakaway Coupler System for Perforated Tubes
D754-25	Mounting Details Perforated Tube
D754-29	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D754-31	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D754-32	Sign Punching, Stringer and Support Location Details Regulatory, Warning and Guide Signs
D754-46	Punching, Stringer and Support Location Details for Regulatory, Warning and Guide Bike Route Signs
D754-47	Sign Punching, Stringer and Support Location Details for Variable Length Signs

These Standard Drawings are provided on Aconex as  
 RRVA Document Number: NDOT-MD-DWG-00001  
 Authority Document Number: RRVA\_LLC-DGN-00027

NOT FOR CONSTRUCTION

									
DESIGNER: COREY RAYFORD 06/09/2023 CHECKER: PHIL ROBERTS 06/09/2023 APPROVER: STEVE SEYMOUR 06/09/2023				TABLE OF CONTENTS		PE-R23 - 37th St SE (West of Diversion Channel) BU-R23 - 37th St SE (West of Diversion Channel)			
No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE	
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023					

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	6	1

**NOTES**

**102-P01 SOIL INFORMATION AND BORING LOGS:** Bore locations are referenced on the Section 4 Scope of Work plan sheets. Additional soil information including bore logs can be found in the project Geotechnical Design Report.

**202-P01 REMOVE AGGREGATE MATERIALS:** This item shall include the salvaging or removal of aggregate material at locations shown in Section 40 of the plans. Upon salvaging or removal the material becomes property of the contractor. If salvaging, material must meet requirements of Section 816 of the NDDOT Standard Specification as executed in the Memorandum of Understanding for the Metro Flood Diversion Authority Project.

**203-360 COMPACTION AND DENSITY CONTROL:** Compaction and density controls shall be in accordance with Section 203.4 E.2.b of the specification, "ND T-99" for clay embankment material and "ND T-180" for granular embankment material. Manipulate embankment material with diskling equipment.

**203-P01 ROADWAY OBLITERATION:** Limits of the roadway obliteration are as detailed in Section 40 of the plans. The work associated with this item shall include removal of base aggregate and topsoil within the existing roadbed and roadside ditches, and regrading of the roadway and ditches to match existing grades adjacent to the area while maintaining drainage. Existing ditching will remain where continuity of the drainage is needed. Remove a minimum of 50 feet length of the roadbed beyond the proposed roadway limits to a depth of 2 feet below the existing road grade.

**203-P02 ROADWAY EMBANKMENT:** The road embankment for the dead-end terminations will consist of clay fill sourced from the Sherrick formation as excavated from the Diversion Channel excavation work.

**203-P03 ROADWAY SUBGRADE PREPARATION AND PROOF ROLLING:** All subgrade areas to receive fill materials shall be inspected and approved by the Contractor. Fill materials shall not be placed on unstable or soft surfaces; in addition, the subgrade surface shall be free of ponding water, not frozen, or covered with snow or ice. Subgrades for roadways embankments and levees shall be proof rolled as noted below.

The proof rolling shall be performed on the exposed subgrade, free of surface water which would promote degradation of the subgrade. The test shall be a single pass for every 10' of roadway width including shoulders, for the full length of the roadway embankment alignment. Acceptable equipment type are dump truck, articulated truck, scraper loaded with 4 cubic yards of soil or a minimum of 15 tons of material, pneumatic tired roller (for cohesive soil subgrades) or a steel-wheeled roller (for cohesionless soil subgrades), or other equipment as accepted by the geotechnical engineering representative.

The proof rolling equipment shall operate systematically to ensure that the equipment has passed over all areas, and at speeds between 2.5 and 5.0 miles per hour. The subgrades shall be considered acceptable if 2 inches or less of deflection (i.e., that includes both recoverable and non-recoverable deformation) for new construction and 1/2 inch deflection for re-constructed or stabilized subgrade, as well as no pumping and cracking, is observed during the proof rolling activities. All proof rolling activities will be performed in the presence of a geotechnical engineering representative.

Unstable ground conditions shall be addressed as directed by the geotechnical engineering representative and accepted by the Engineer of Record.

**203-P04 CONTROL OF SURFACE WATER:** The Contractor shall be responsible for managing the control of surface water onto and off the work areas such that it does not interfere with performing the Work as required by the Design and Construction requirements. The Contractor shall put in place water management procedures to intercept all points or areas of surface water and overland flow that may run-onto the project/work areas. Off-site surface water run-on shall be diverted through or around the project work areas in a way that does not introduce construction related pollution, sedimentation, or erosion.

**253-P01 MULCHING:** All excavation and embankment areas shall be stabilized with mulch after the completion of the earth moving operations.

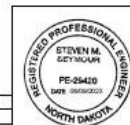
**430-P01 HMA:** The 7" hot bituminous pavement to be placed on the field approach shall be paver laid in 3 lifts. The first lift shall be 2.5" thick, the second lift shall be 2.5" thick, and the third lift shall be 2" thick.

**704-P01 MAINTAINING ACCESS:** The contractor shall be responsible for providing continuous access to all residential dwellings and business establishments along and adjacent to this project. The contractor will be responsible for coordinating and communicating with adjacent landowners and residents regarding access control at the site.

**950-P01 UTILITY COORDINATION:** Coordinate all utility relocation, lowering, and adjustments to finished grade with utility owner including adjustments to all handholes, pedestals, and appurtenances. Maintain minimum 4' cover depth with cover depth for water mains to be 7.5' minimum. Roadway crossings to be installed in conduit meeting the utility owner requirements.

NOT FOR CONSTRUCTION

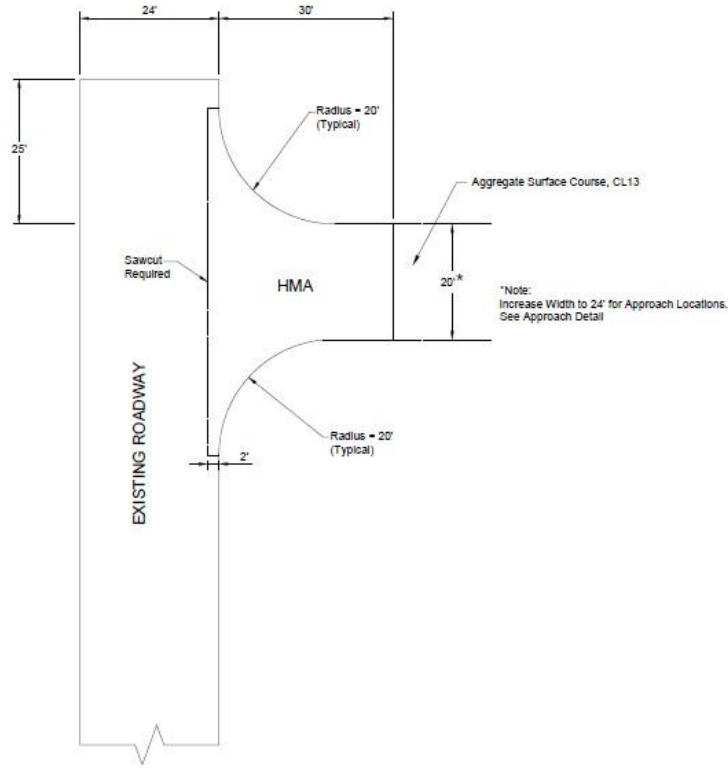
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No.	DESCRIPTION	BY	APVR	DATE



<b>HATCH COWI</b>		
Westwood		
DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
REG. PROF.	ROLE	NAME DATE

	FARGO-MOORHEAD AREA DCAI WORK PACKAGE
PE-E23 - 37th St SE (West of Diversion Channel) BU-R23 - 37th St SE (West of Diversion Channel)	
NOTES	

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	20	1

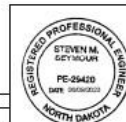


Note:  
 Paved Section of Field Approach to be 7" HMA on 5" of Crushed Concrete on top of Geosynthetic Material Reinforcement R1.

\*Note:  
 Increase Width to 24' for Approach Locations. See Approach Detail

Dead-end Termination Branch

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FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
 BU-R23 - 37th St SE West of Diversion Channel

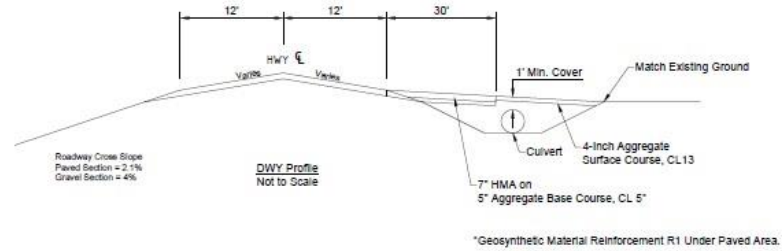
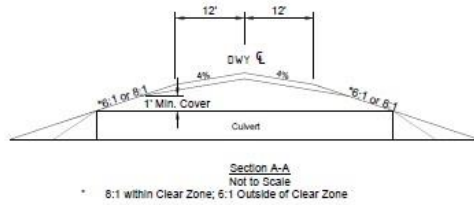
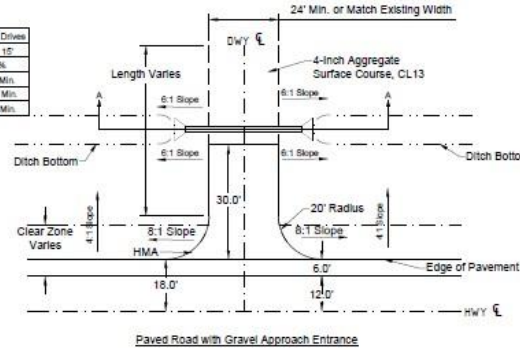
GENERAL LAYOUT DETAIL  
 PROPOSED

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023

REG. PROF.	ROLE	NAME	DATE
STEVEN M. GERTMAN	DESIGNER	COREY RAYFORD	06/09/2023
	CHECKER	PHIL ROBERTS	06/09/2023
	APPROVER	STEVE SEYMOUR	06/09/2023

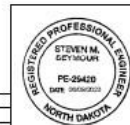
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	20	2

	Field Drives	Private Drives
Radius	R = 15'	R = 15'
Maximum Grade	10%	7%
Vertical Curve Length	10' Min.	10' Min.
Culvert Pipe Dia.	24" Min.	24" Min.
Culvert Pipe Length	40' Min.	40' Min.



NOT FOR CONSTRUCTION

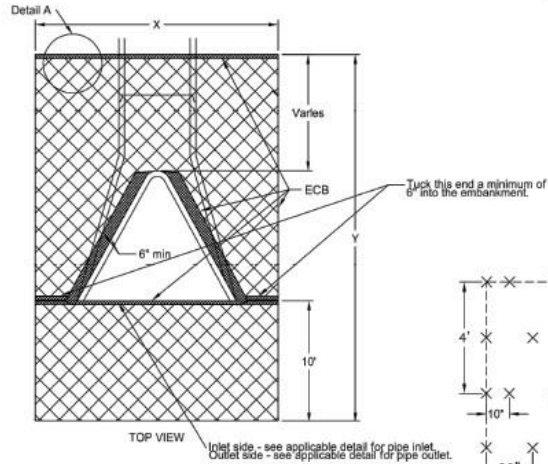
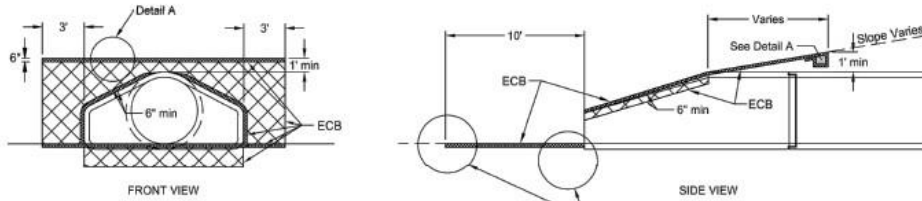
No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



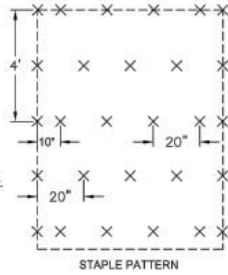
<b>HATCH OWI</b> Westwood		<b>RED RIVER VALLEY ALLIANCE</b>	
DESIGNER	COREY RAYFORD	06/09/2023	
CHECKER	PHIL ROBERTS	06/09/2023	
APPROVER	STEVE SEYMOUR	06/09/2023	
REG. PROF.	ROLE	NAME	DATE

<b>FARGO-MOORHEAD AREA DIVERSION DCAI WORK PACKAGE</b>	
PE-E23 - 37th St SE West of Diversion Channel BU-R23 - 37th St SE West of Diversion Channel	
APPROACH DETAIL	

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	---	20	3



NOTE: Tuck the ECB a minimum of 6" into the embankment (against the flared end section) around the opening of the flared end section.

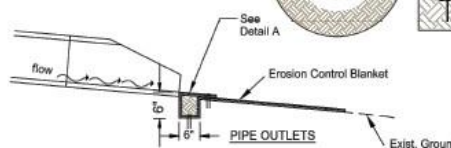
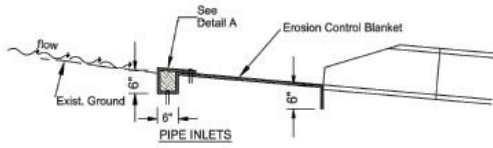
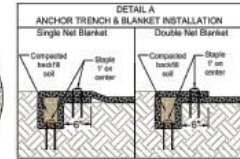


DIA	X	Y	Surface area to be protected	ECB
In	Ft	Ft	SF	SY
15	9.0	20.0	176.0	20
18	9.5	20.7	190.7	22
21	9.5	21.0	190.9	22
24	10.5	19.6	193.1	22
27	11.0	20.0	204.3	23
30	11.6	20.5	218.3	25
36	12.7	21.2	242.1	27
42	13.3	21.2	251.8	28
48	13.8	22.0	265.6	30
54	14.5	21.5	273.7	31
60	15.0	21.0	278.3	31
66	15.6	22.0	295.7	33
72	16.2	22.5	309.2	35

Note: Quantities based on 6:1 slope.

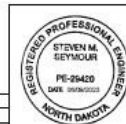
DIA	X	Y	Surface area to be protected	ECB
In	Ft	Ft	SF	SY
24	10.5	19.6	193.1	22
27	11.0	20.0	204.3	23
30	11.6	20.5	218.3	25
36	12.7	21.2	242.1	27
42	13.3	21.2	251.8	28
48	13.8	22.0	265.6	30
54	14.5	21.5	273.7	31
60	15.0	21.0	278.3	31
66	15.6	22.0	295.7	33
72	16.2	22.5	309.2	35

Note: Quantities based on 4:1 slope.



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No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE (West of Diversion Channel)  
BU-R23 - 37th St SE (West of Diversion Channel)

CULVERT END PROTECTION

DESIGNER	COREY RAYFORD	06/09/2023	
CHECKER	PHIL ROBERTS	06/09/2023	
APPROVER	STEVE SEYMOUR	06/09/2023	
REG. PROF.	ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	50	1

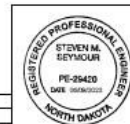
**CULVERT END SECTION DATA**  
 Inlet No.: 100A  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE West - Proposed  
 Station: 310+61.76 40.93 R  
 CSP - 24 Inch (E): 899.91

**CULVERT END SECTION DATA**  
 Inlet No.: 100B  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE West - Proposed  
 Station: 311+13.99 43.35 R  
 CSP - 24 Inch (W): 899.96

**CULVERT END SECTION DATA**  
 Inlet No.: 101A  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE West - Proposed  
 Station: 310+61.06 46.40 R  
 CSP - 24 Inch (E): 899.91

**CULVERT END SECTION DATA**  
 Inlet No.: 101B  
 Inlet Type: Flared End Section - 24 Inch  
 Alignment: 37th St SE West - Proposed  
 Station: 311+13.77 50.65 R  
 CSP - 24 Inch (W): 899.96

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
 BU-R23 - 37th St SE West of Diversion Channel

INLET SUMMARY

No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023		DESIGNER	COREY RAYFORD	06/09/2023
						CHECKER	PHIL ROBERTS	06/09/2023
						APPROVER	STEVE SEYMOUR	06/09/2023



STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	51	1

ALLOWABLE PIPE LIST																
Begin Station	Begin Offset	End Station	End Offset	Location	Design Flow Q <sub>10</sub> (cfs)	Pipe Installation			Allowable Material	Required Diameter (Inch)	Steel Pipe Coating Type	Steel Pipe Corrugations or Spiral Rib (Inch)	Steel Pipe Min. Thickness (Inch)	End Section		Applicable Backfill Detail
						Inch	Item	LF						Begin EA	End EA	
310+61.76	40.93' R	311+13.99	43.35' R	37th St SE (West of Channel)	2.3	24	Pipe Corr. Steel 0.064 In 24 In	50	Corrugated Steel Pipe (barrel length - 50 LF)	24	Z, A	2	0.064	1 - FES	1 - FES	See Standard Drawing D-714-27M
310+61.08	48.40' R	311+13.77	50.85' R	37th St SE (West of Channel)	See Above	24	Pipe Corr. Steel 0.064 In 24 In	50	Corrugated Steel Pipe (barrel length - 50 LF)	24	Z, A	2	0.064	1 - FES	1 - FES	See Standard Drawing D-714-27M

Coatings: Z = Zinc  
A = Aluminum  
P = Polymeric (over Zinc or Aluminum)

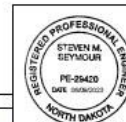
Corrugations: 2 = 2-2/3" x 1/2"  
3 = 3" x 1"  
5 = 5" x 1"

Spiral Ribs: 3/4 = 3/4" x 3/4" @ 7-1/2"  
1 = 3/4" x 1" @ 11-1/2"

End Sections: R & R = Remove & Relay  
FES = Flared End Section  
TES = Traversable End Section

Note: Alternative Water Conveyance Being Considered to Convey Equivalent Flows. Engineer Approval Required

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

ALLOWABLE PIPE LIST

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023

DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
REG. PROF.	ROLE	NAME
		DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	82	1

37th St SE West of Channel

Tangent Data

Start Point - N: 460,908.3839 E: 2,846,082.7888 Sta: 300+56.00  
 Course - N87° 27' 53.72"E Dist: 438.5096  
 End Point - N: 460,927.7796 E: 2,846,520.8694 Sta: 304+94.51

Curve Data

P.I. Station - N: 460,933.1640 E: 2,846,642.4828 Sta: 306+16.24  
 Delta - 17° 18' 15.13"  
 Degree - 7° 09' 43.15"  
 Tangent - 121.7326'  
 Length - 241.6118'  
 Radius - 799.9984'  
 External - 9.2036'  
 Long Chord - 240.6946'  
 Mid. Ord. - 9.1040'  
 P.C. Station - N: 460,927.7796 E: 2,846,520.8694 Sta: 304+94.51  
 P.T. Station - N: 460,974.4779 E: 2,846,756.9904 Sta: 307+36.12  
 C.C. - N: 461,726.9951 E: 2,846,485.4847  
 Back - N87° 27' 53.72"E  
 Ahead - N70° 09' 38.59"E  
 Chord Bear - N78° 48' 46.16"E

Tangent Data

Start Point - N: 460,974.4779 E: 2,846,756.9904 Sta: 307+36.12  
 Course - N70° 09' 38.59"E Dist: 154.2467  
 End Point - N: 461,026.8267 E: 2,846,902.0823 Sta: 308+90.37

Curve Data

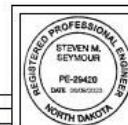
P.I. Station - N: 461,062.6678 E: 2,847,001.4213 Sta: 309+95.97  
 Delta - 17° 09' 31.38"  
 Degree - 8° 11' 06.46"  
 Tangent - 105.6069'  
 Length - 209.6329'  
 Radius - 699.9986'  
 External - 7.9215'  
 Long Chord - 208.8504'  
 Mid. Ord. - 7.8329'  
 P.C. Station - N: 461,026.8267 E: 2,846,902.0823 Sta: 308+90.37  
 P.T. Station - N: 461,067.6068 E: 2,847,106.9126 Sta: 311+00.00  
 C.C. - N: 460,366.3741 E: 2,847,139.6499  
 Back - N70° 09' 38.59"E  
 Ahead - N87° 19' 09.96"E  
 Chord Bear - N78° 44' 24.28"E

Tangent Data

Start Point - N: 461,067.6068 E: 2,847,106.9126 Sta: 311+00.00  
 Course - N87° 19' 09.96"E Dist: 2,783.8277  
 End Point - N: 461,197.7997 E: 2,849,887.6942 Sta: 338+83.83

NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



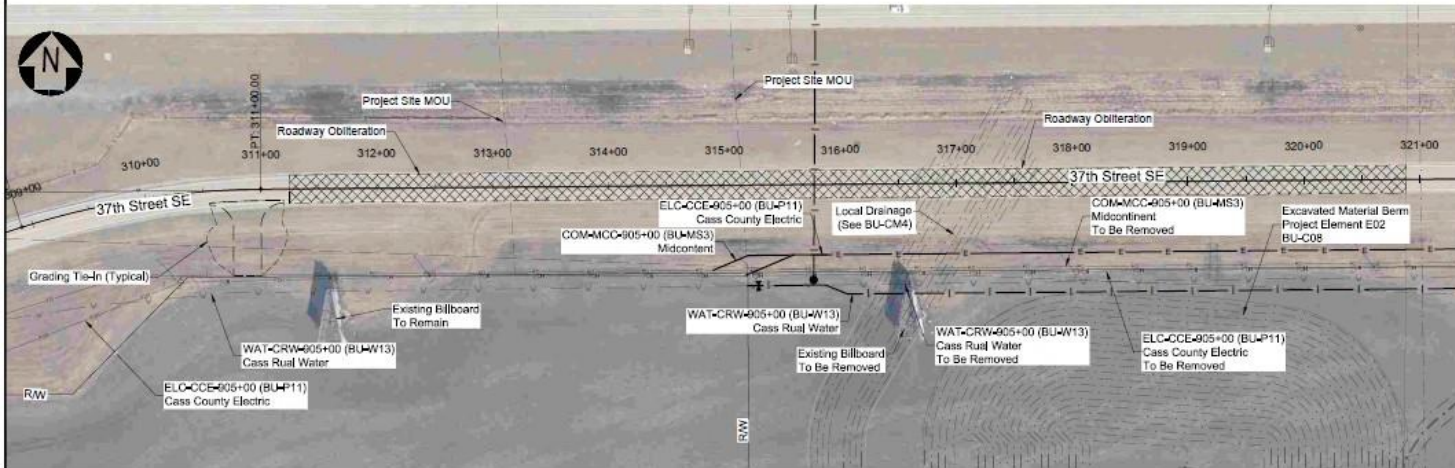
FARGO-MOORHEAD AREA  
 DCAI WORK PACKAGE

PE-R23 - 37th St SE West of Diversion Channel  
 BU-R23 - 37th St SE West of Diversion Channel

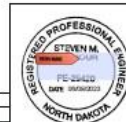
ALIGNMENT TABLES

DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	40	1



**NOT FOR CONSTRUCTION**



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

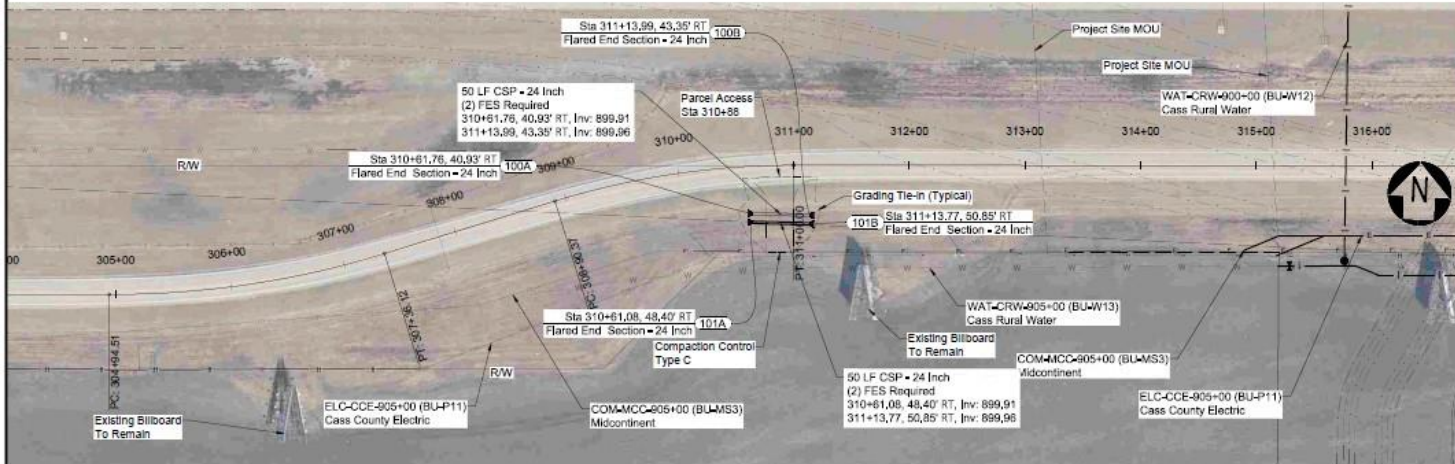
REMOVALS  
STA 310+76 TO STA 311+25  
37TH ST SE (WEST OF DIVERSION CHANNEL)

No.	DESCRIPTION	BY	APVR	DATE	REG. PROF.	ROLE	NAME	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023		DESIGNER	COREY RAYFORD	06/09/2023
						CHECKER	PHIL ROBERTS	06/09/2023
						APPROVER	STEVE SEYMOUR	06/09/2023

06/09/2023 8:58:24 AM jbr/facil C:\pwworking\hatch-cowi.com\dca\mfs\1734061810021-4390223\24-0307.dwg

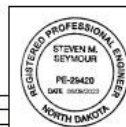
R23-C-102801

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	60	1



NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

PLAN VIEW  
37TH ST SE WEST OF DIVERSION CHANNEL  
STA 310+76 TO STA 311+25

DESIGNER	COREY RAYFORD	06/09/2023	
CHECKER	PHIL ROBERTS	06/09/2023	
APPROVER	STEVE SEYMOUR	06/09/2023	
REG. PROF.	ROLE	NAME	DATE

06/09/2023 8:26:46 AM jgawr C:\pwworking\hatch-dca-work\carroll\MT1086\008871-4206-229-234-3771.dwg

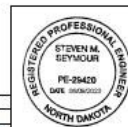
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	110	1



- Notes:**
1. Minimum Vertical Clearance: Provide at Least 6' Measured From the Bottom of the Sign to the Edge of the Driving Lane or Auxiliary Lane at the Side of the Road in Rural Districts. Provide at Least 7' Clearance to the Bottom of the Sign Where Parking or Pedestrian Movements Occur.
  2. Maximum Vertical Clearance is 6" Greater Than the Minimum Vertical Clearance.
  3. Posts: Use Telespar Posts, Breakaway Systems, and Anchor Systems per Cass County Standards.
  4. Cass County Ordinance Signing for No Motorized Vehicles, No Littering, and Pedestrian Access Only included and installed as Part of the Security and Access Buildable Unit (See BU-RH5).

NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



FARGO-MOORHEAD AREA  
DIVERISION DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

SIGNING

DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
ROLE	NAME	DATE

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	110	2

SIGN DETAIL  
1:20



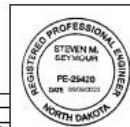
SIGN NUMBER	S1-1
WIDTH x HGT.	3'-6" x 2'-6"
BORDER WIDTH	0-7/8"
CORNER RADIUS	2-1/4"
MOUNTING	Ground
SIGN AREA	8.8 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black

SYMBOL	X	Y	WD	HT

Dimensions are in inches eighths 42" Word lengths and spaces between words are shown

LETTER POSITIONS (X)		LENGTH	SERIES/SIZE
	N O P A R K I N G		D 2000
47/8"	61/2" 4 213/4"		321/4"
	O N R O A D		D 2000
113/8"	51/4" 31/4" 107/8"		193/8"
	O R		D 2000
183/4"	43/8" 183/4"		43/8"
	R I G H T - O F - W A Y		D 2000
73/4"	265/8" 73/4" 265/8"		265/8"

NOT FOR CONSTRUCTION



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

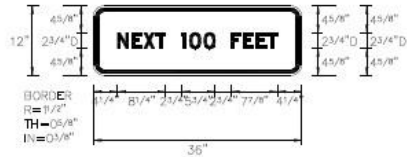
SIGN DETAIL

No.	DESCRIPTION	CRK BY	SMS APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023

DESIGNER	CHECKER	APPROVER	DATE
COREY RAYFORD	PHIL ROBERTS	STEVE SEYMOUR	06/09/2023

STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	---	110	3

**SIGN DETAIL**  
1:20



SIGN NUMBER	S2-1
WIDTH x HIGHT.	3'-0" x 1'-0"
BORDER WIDTH	0-5/8"
CORNER RADIUS	1-1/2"
MOUNTING	Ground
SIGN AREA	3.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black

SYMBOL	X	Y	WD	HT

Dimensions are in inches eighths      Word lengths and spaces between words are shown

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE											
	N	E	X	T																		
4 1/4"	8 1/4"				2 3/4"	5 3/4"			2 3/4"	7 7/8"	4 1/4"										D 2000	



NOT FOR CONSTRUCTION

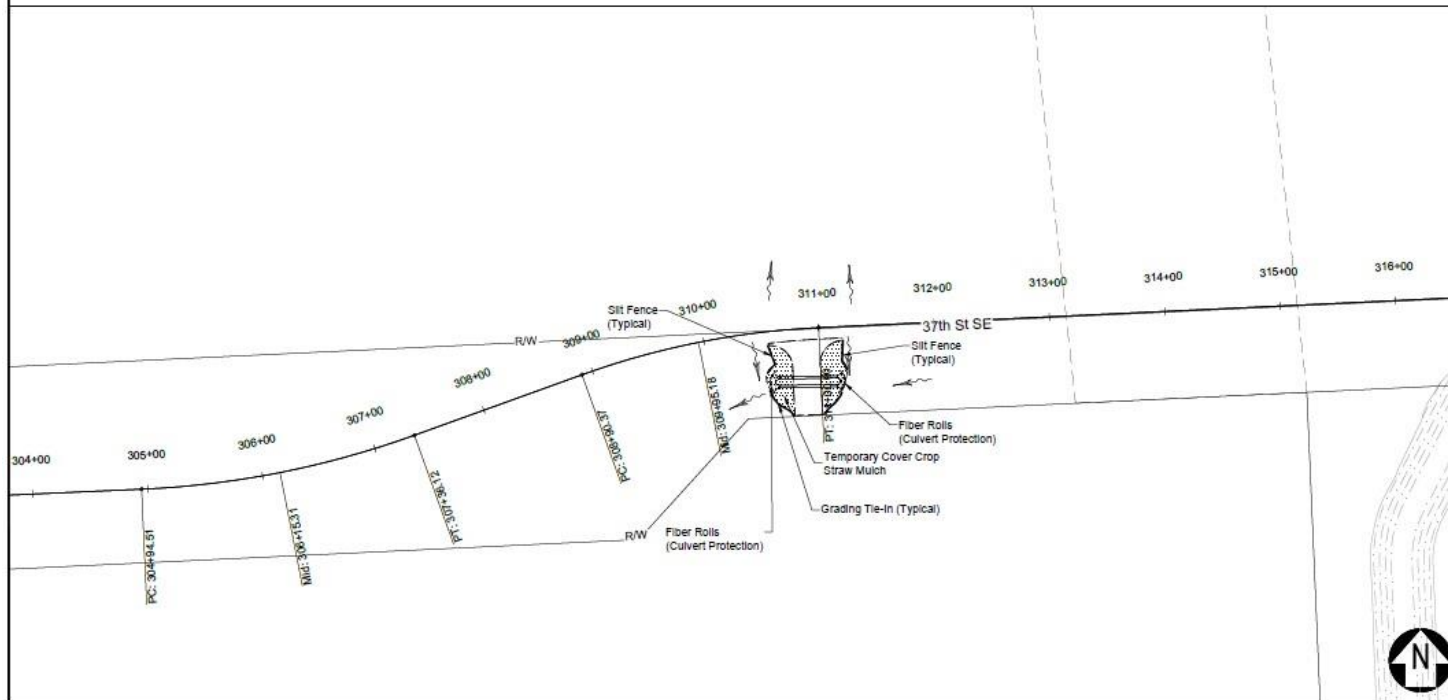
	 <b>Woodward</b>		
	DESIGNER	COREY RAYFORD	06/09/2023
	CHECKER	PHIL ROBERTS	06/09/2023
	APPROVER	STEVE SEYMOUR	06/09/2023
REG. PROF.	ROLE	NAME	DATE

PE-E23 - 37th St SE West of Diversion Channel BU-R23 - 37th St SE West of Diversion Channel SIGN DETAIL 37TH ST SE WEST OF CHANNEL
---

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023

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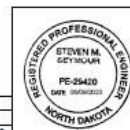
STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	---	76	1



Notes:  
 1. Silt Fence To Be Placed a Maximum of 5' Clear From the Grading Tie-in.

NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



<b>HATCH COWI</b>		
Westwood		
DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
REG. PROF.	ROLE	NAME
		DATE

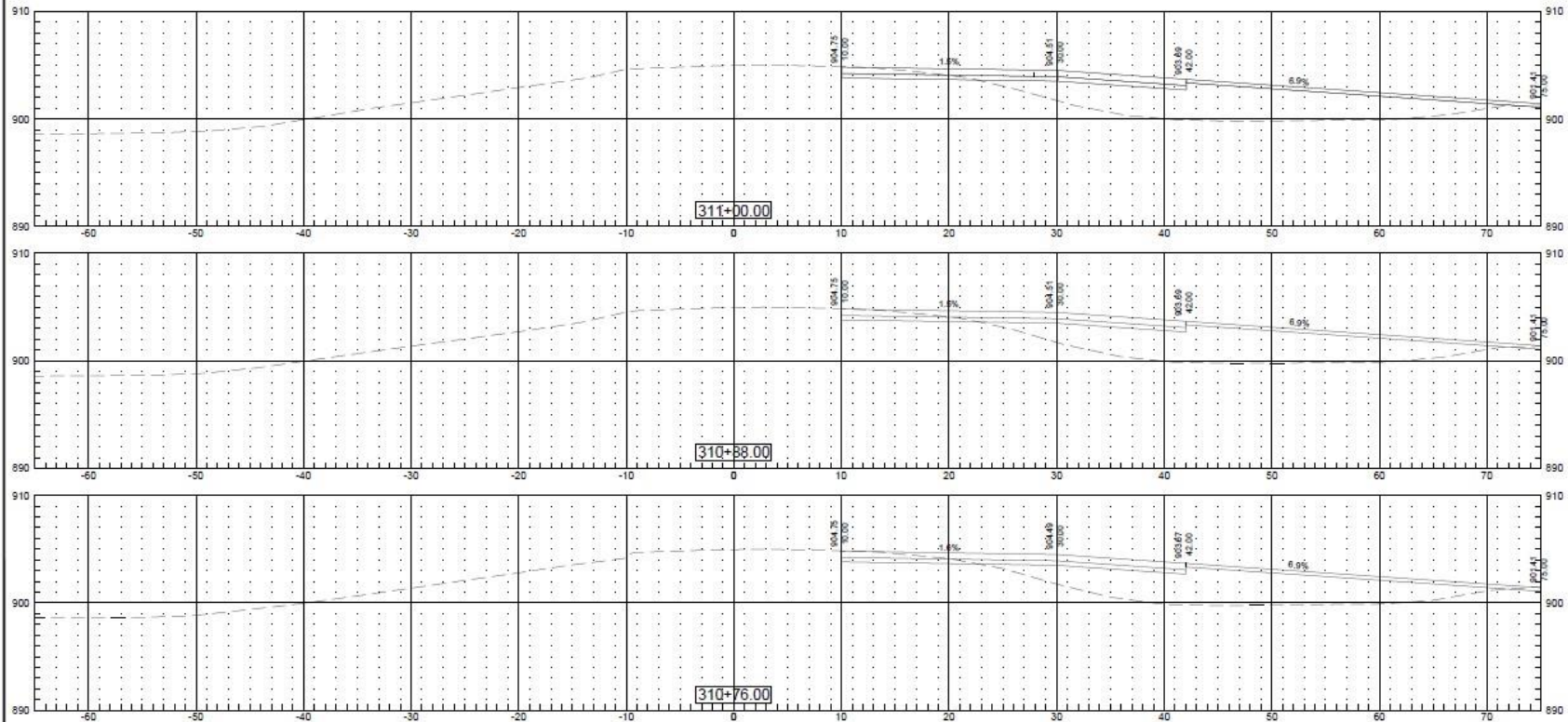
FARGO-MOORHEAD AREA DIVERSION DCAI WORK PACKAGE		
PE-E23 - 37th St SE West of Diversion Channel BU-R23 - 37th St SE West of Diversion Channel		
TEMPORARY EROSION CONTROL 37TH ST SE (WEST OF DIVERSION CHANNEL) STA 310+76 TO STA 311+25		

06/01/2023 9:28:47 AM j881aut C:\pwork\hatch\2023\06\09\2023\060923\060923\1438-223-09-4801.dwg

R23-C-214601

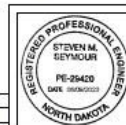


STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	200	1



NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



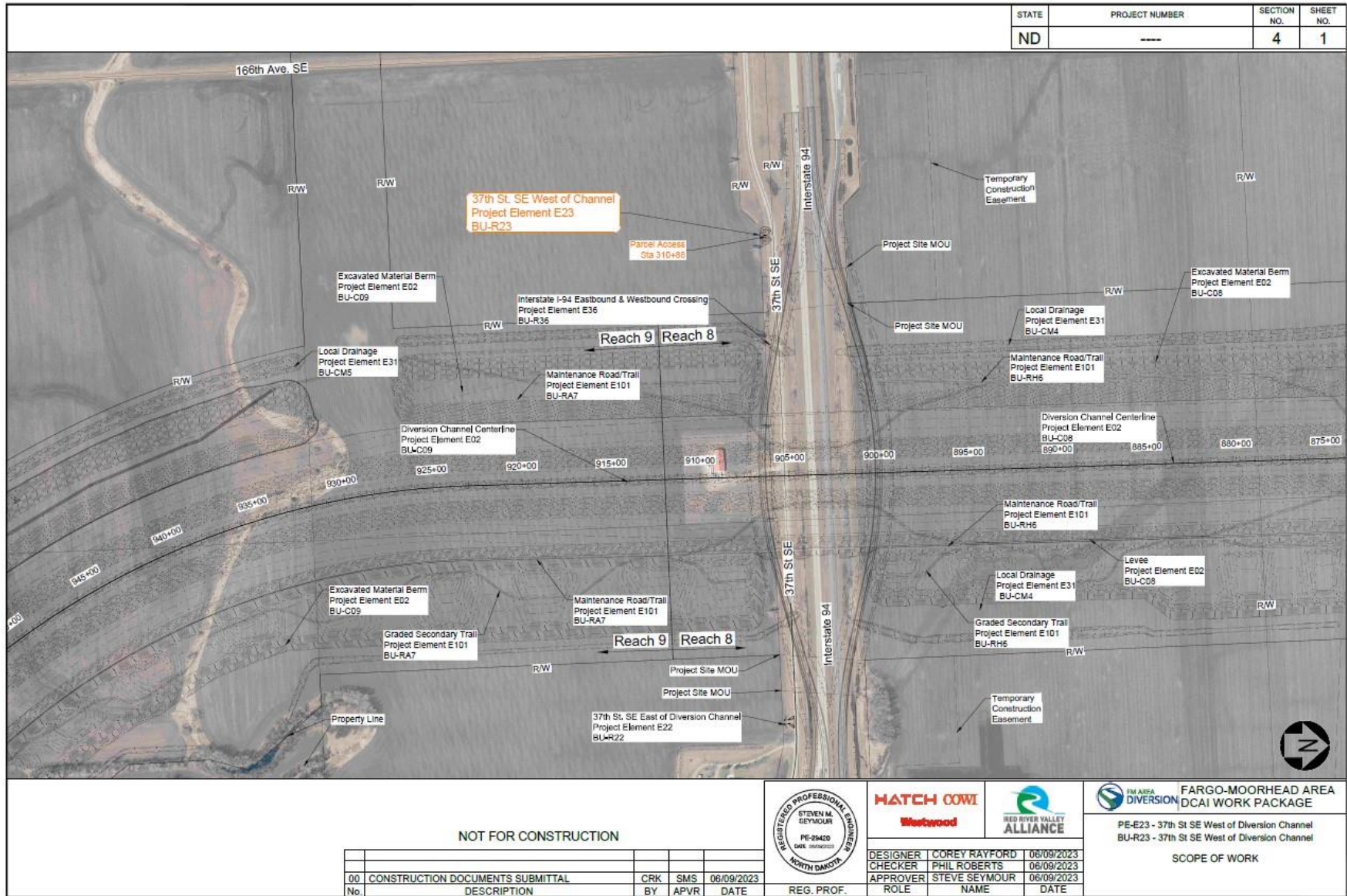
FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

CROSS SECTIONS  
37TH ST SE (WEST OF DIVERSION CHANNEL)

DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
ROLE	NAME	DATE

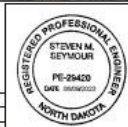
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STATE	PROJECT NUMBER	SECTION NO.	SHEET NO.
ND	----	4	1

NOT FOR CONSTRUCTION

No.	DESCRIPTION	BY	APVR	DATE
00	CONSTRUCTION DOCUMENTS SUBMITTAL	CRK	SMS	06/09/2023



FARGO-MOORHEAD AREA  
DCAI WORK PACKAGE

PE-E23 - 37th St SE West of Diversion Channel  
BU-R23 - 37th St SE West of Diversion Channel

DESIGNER	COREY RAYFORD	06/09/2023
CHECKER	PHIL ROBERTS	06/09/2023
APPROVER	STEVE SEYMOUR	06/09/2023
ROLE	NAME	DATE

SCOPE OF WORK



METRO  
FLOOD  
DIVERSION  
AUTHORITY

# Diversion Authority Board Meeting

JULY 27, 2023

Executive Director Report

Joel Paulsen, Executive Director

# Happenings



Joel delivered testimony on the project to the U.S. Senate Committee on Environment and Public Works July 20



Quarterly P3 meetings held with North American Construction Group hosting



Preparing for USACE to turn DIS over to the MFDA in October



US Army Corps of Engineers®  
St. Paul District

# FARGO MOORHEAD DIVERSION PROJECT

# MONTHLY UPDATE

17 July 2023

## 1 Diversion Inlet Structure (DIS) – Construction

Structure includes 3-50 ft. wide Tainter gates. Construction is 95% complete. Construction completion date of 7 June 2023 delayed into August due to PT bar fix modification. Painting, riprap placement, seeding and addressing punchlist items ongoing. Schedule for remaining primary features:

2023: Complete operating machinery install, seeding.

2024: Turf established.

## 2 Wild Rice River Structure (WRRS) – Construction

Structure includes 2-40 ft. wide Tainter gates. Construction is 91% complete and remains on schedule. The construction completion date is 3 December 2023. Constructing earthen dam/stability berm across old Wild Rice River channel and east dam bridge deck. Remaining schedule:

2023: Control building, dam embankment, seeding.

2024: Turf established.

## 3 I-29 Raise – Construction

Includes approximately 4 miles of interstate raise between County Roads 16 and 18. Construction is 78% complete. Borrow ditch bridges nearing completion. Traffic switch to new SB lanes pending. Paving of the mainline raise to be complete Summer 2023.

## 4 Southern Embankment – Reach SE-1 (Western Tieback) - Construction

Construction was completed 10 November 2022. Partial turnover to the Diversion Authority for Operations and Maintenance occurred on 29 December 2022. O&M Manual will be provided for review late-July.

## 5 Red River Structure (RRS) - Construction

Structure includes 3-50 ft. wide Tainter gates. Construction is 24% complete. Construction completion date is 19 March 2026. Placement of stilling basin slabs nearly complete and prep for abutment placements ongoing.

## 6 Drain 27 Wetland Mitigation Project - Construction

Construction was completed 2 December 2022. Native plantings 5-year service contract was awarded 17 May 2023, with a completion date of 1 December 2027.

## 7 Drayton Dam Mitigation Project Design - Construction

Construction is 59% complete. Removal of the existing dam is ongoing. Construction completion is 30 September 2023.

## 8 Southern Embankment – Reach SE-2A - Construction

Construction is 27% complete. Contractor is making good progress; 112<sup>th</sup> Avenue permanently closed. Scheduled completion date is 30 September 2024.

## 9 Southern Embankment Design – All remaining reaches are being designed.

SE-1B: BCOES review Aug 2023..... Contract award: February 2024

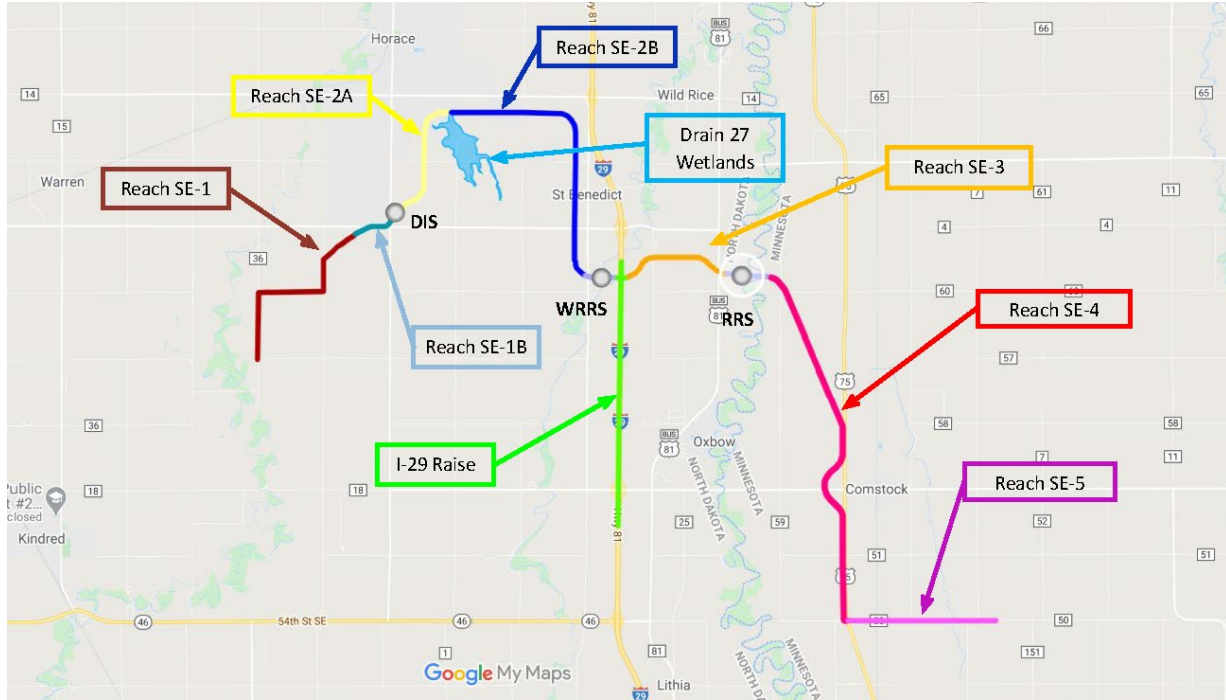
SE-2B: BCOES review complete 9 June 2023..... Contract award: April 2024

SE-3: 65% review starts Aug 2023 ..... Contract award: January 2025

SE-4: 65% review starts Aug 2023 ..... Contract award: May 2024

SE-5: 65% review starts Aug 2023 ..... Contract award: January 2025

OHB Reach 43B: 95% review starts July 2023 ..... Contract award: February 2024

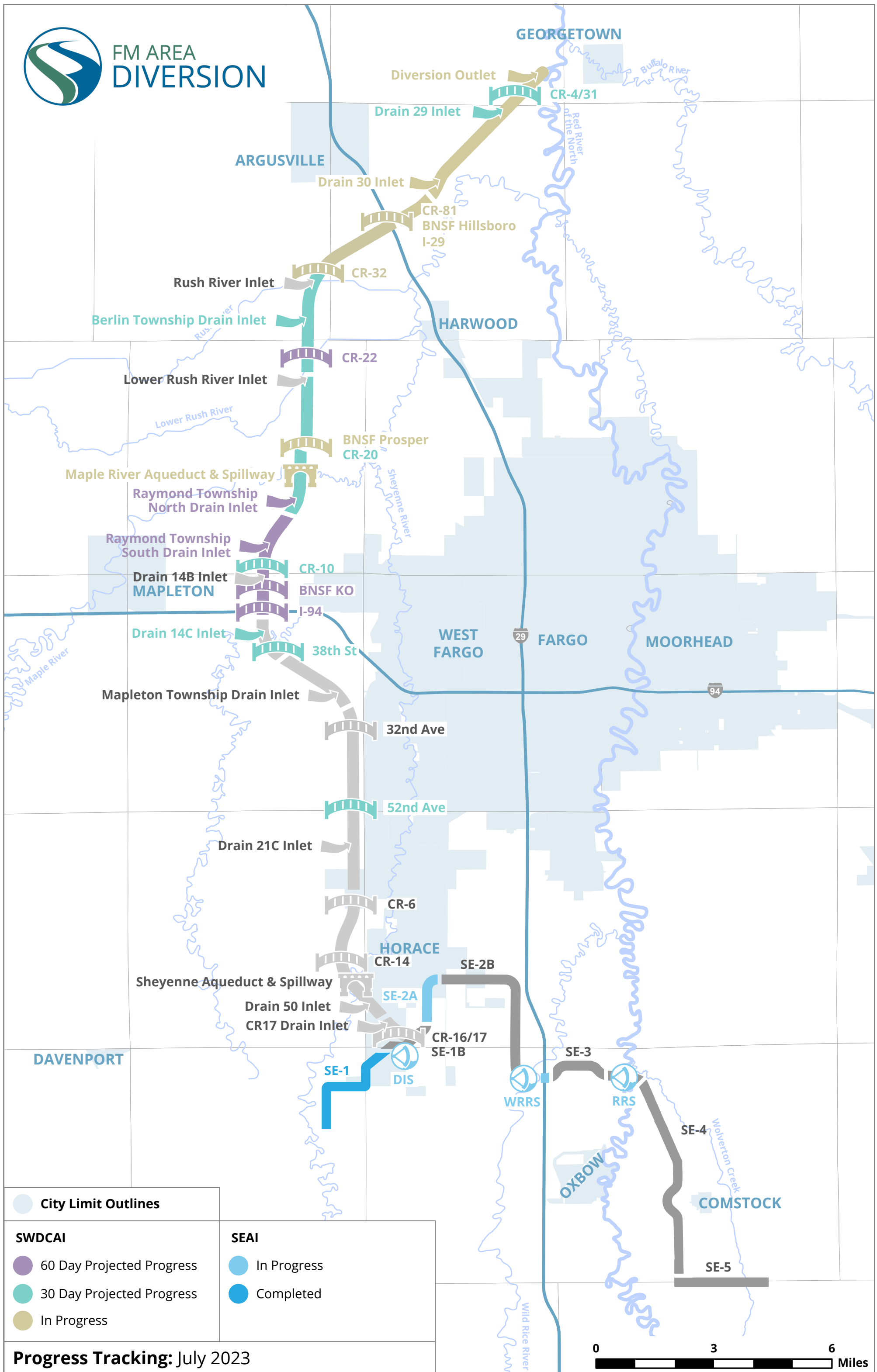


**Fargo-Moorhead Metro FRM – Federal Work/Southern Embankment and Control Structures**

DIS = Diversion Inlet Control Structure

WRRS = Wild Rice River Control Structure

RRS = Red River Control Structure



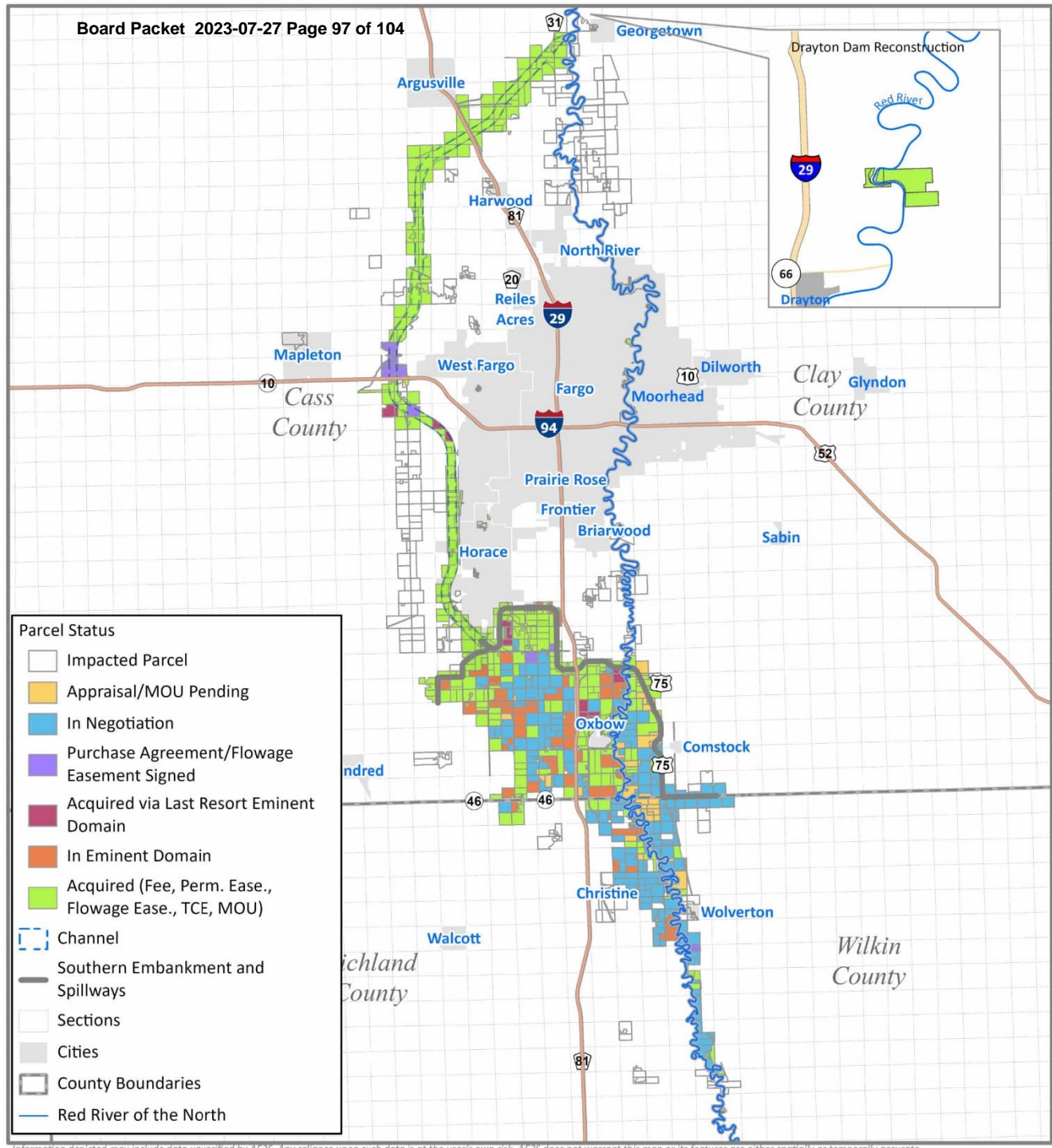


METRO  
FLOOD  
DIVERSION  
AUTHORITY

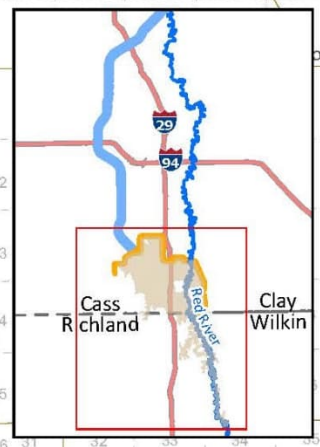
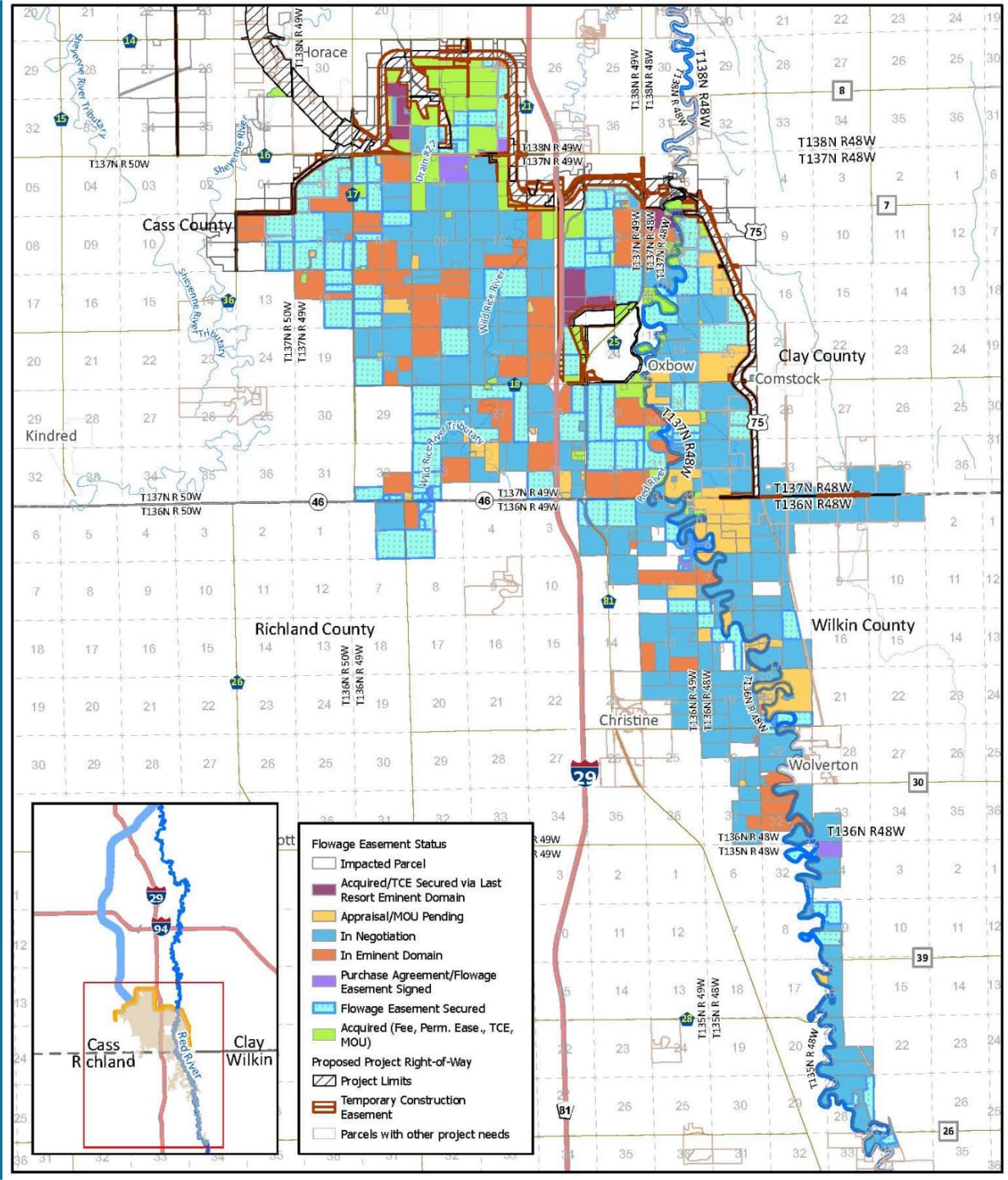
July 2023







- Parcel Status**
- Impacted Parcel
  - Appraisal/MOU Pending
  - In Negotiation
  - Purchase Agreement/Flowage Easement Signed
  - Acquired via Last Resort Eminent Domain
  - In Eminent Domain
  - Acquired (Fee, Perm. Ease., Flowage Ease., TCE, MOU)
  - Channel
  - Southern Embankment and Spillways
  - Sections
  - Cities
  - County Boundaries
  - Red River of the North



- Flowage Easement Status**
- Impacted Parcel
  - Acquired/TCE Secured via Last Resort Eminent Domain
  - Appraisal/MOU Pending
  - In Negotiation
  - In Eminent Domain
  - Purchase Agreement/Flowage Easement Signed
  - Flowage Easement Secured
  - Acquired (Fee, Perm. Ease., TCE, MOU)
- Proposed Project Right-of-Way**
- Project Limits
  - Temporary Construction Easement
  - Parcels with other project needs

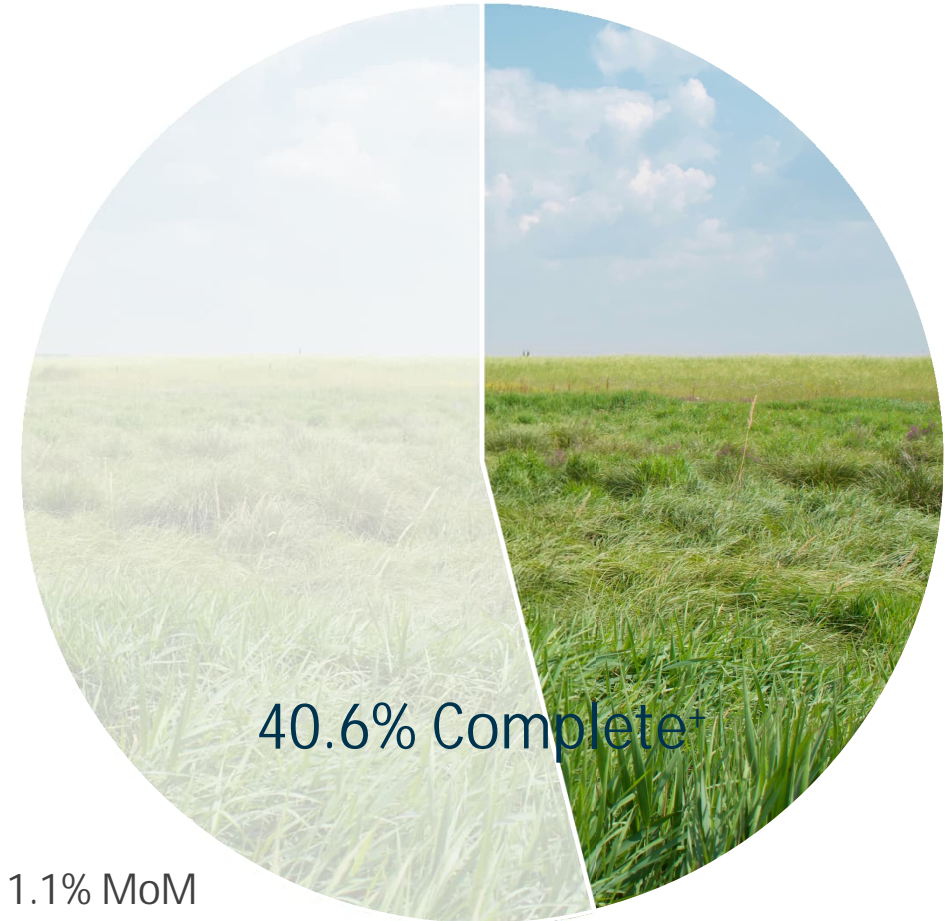
# Property Acquisition Progress

## Construction Footprint\*



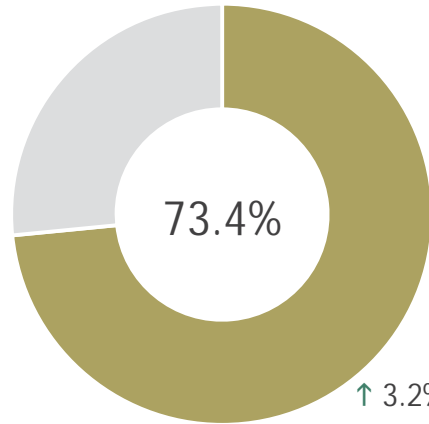
\* Includes SWDCAI, SEAI, In-Town, Oxbow and Drayton  
<sup>+</sup> Parcels needed increased slightly since January 2023 due to SE-4 design

## UMA Footprint\*\*

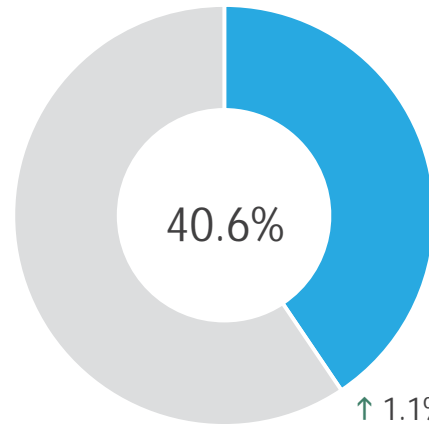


\*\* Does not include parcels affected by or within Christine or Wolverton ring levees  
As of July 17, 2023

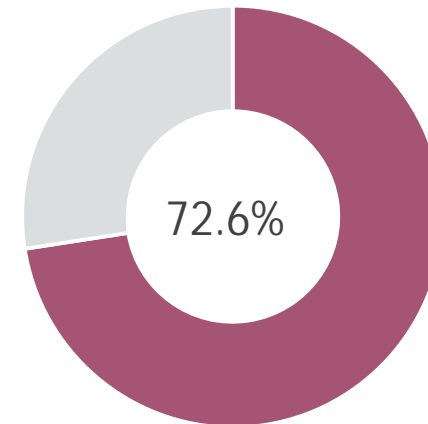
# Property Acquisition Progress by Location



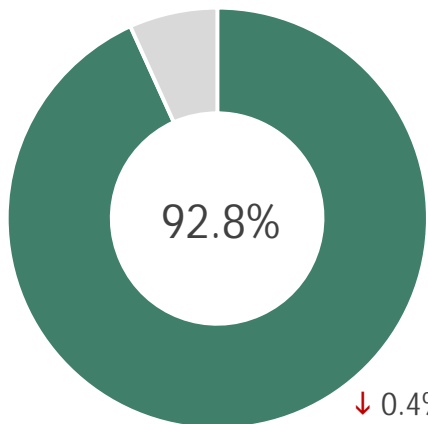
Southern Embankment & Associated Infrastructure



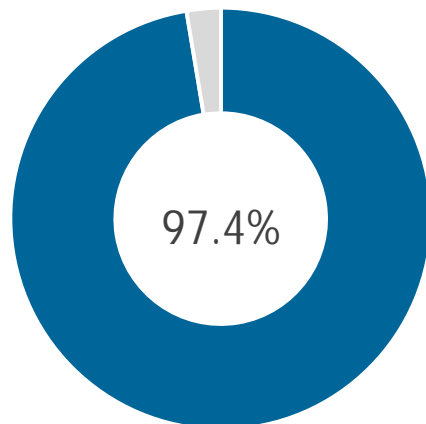
Upstream Mitigation Area



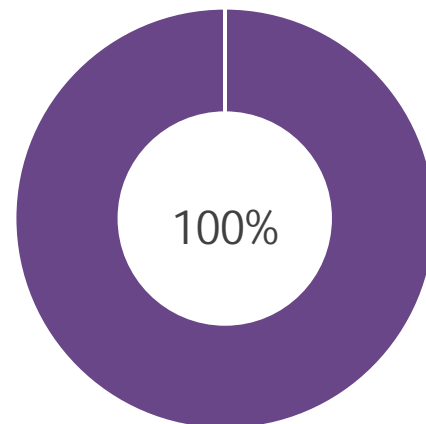
Environmental Monitoring Easements



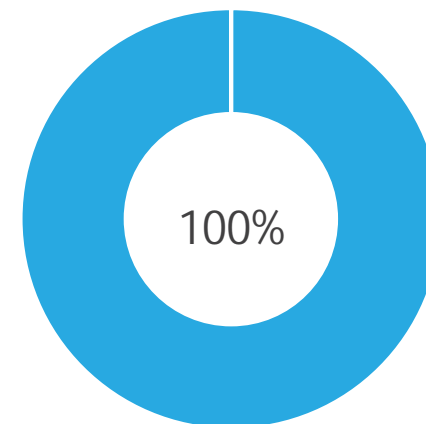
Stormwater Diversion Channel



Oxbow-Hickson-Bakke



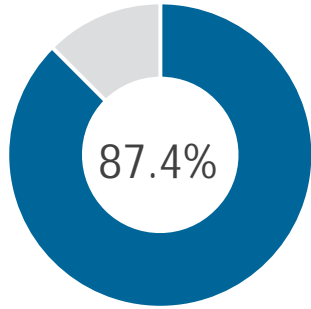
MFDA-Constructed In-Town Levees



Drayton Dam Mitigation

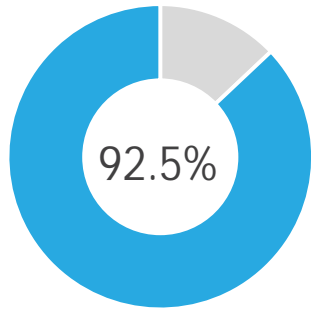
# Landowner Overview

## Construction Footprint\*



309 Owner Groups  
270 settlements achieved  
24 ongoing negotiations  
15 in litigation

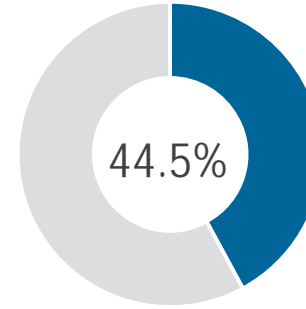
87.4% of owner groups have settled



574 Parcels  
506 settlements achieved  
38 ongoing negotiations  
30 in litigation

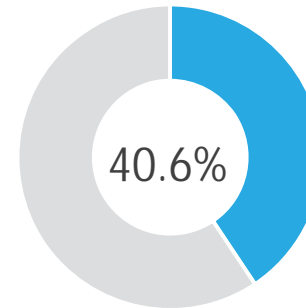
92.5% of parcels have been acquired

## UMA Footprint\*\*



256 Owner Groups  
189 in ND & 68 in MN  
114 settlements achieved  
105 ongoing negotiations  
44 in litigation

44.5% of owner groups have settled



569 Parcels  
231 settlements achieved  
270 ongoing negotiations  
68 in litigation

40.6% of parcels have been acquired

\* Includes SWDCAI, SEAI, In-Town, Oxbow and Drayton

\*\* Does not include parcels affected by or within Christine or Wolverton ring levees

# Property Acquisition Status Report

## Key Activities:

- Continue negotiating settlement agreements for existing eminent domain actions
- In the last month, successfully closed 3 parcels / 2 landowners
- In the last month, agreement signed on 4 parcels / 3 landowners
- Batch #9 next steps letters and eminent domain filing authorization requested from CCJWRD for 11 property owners
- Focused on coordinating completion of appraisals for remaining property needs in UMA and Southern Embankment – focused on MN properties first, then ND
- Completed farmland leases for 2023



4784 Amber Valley Parkway South,  
Suite 200  
Fargo, ND 58104  
www.jacobs.com

July 18, 2023

Attention Joel Paulsen, Executive Director  
Metro Flood Diversion Authority  
4784 Amber Valley Parkway South, Suite 100  
Fargo, ND 58104

Project Name: FM Area Diversion  
Project Number: WP-47A

**Subject: Work Package 47A Utility Relocations  
Recommendation to Reject and Rebid**

Dear Metro Flood Diversion Authority,

The contract for the WP47A – Utility Relocations was publicly advertised, and one (1) bid was received at the virtual public bid opening on June 11, 2023, at 1:00pm.

The bid was from:

1. Border States Paving, Inc	\$2,216,525.50
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The Engineers Estimate for the project was	\$927,493.33
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Jacobs and the Authority's Legal counsel have reviewed and evaluated the bid documents and recommend the Metro Flood Diversion Authority reject bid for WP 47A by Border States Paving, Inc in the amount of \$2,216,525.50. The basis for this recommendation is the bid amount was 239% of the Engineers Estimate (\$927,493.33) and only one bid was received. Enclosed is the Bid Tabulation Assessment.

We are also recommending that the utility relocation work associated with WP-47A be rebid as two separate work packages. Based on feedback from plan holders, we plan to break out the work between the wet and dry utility relocations and modify the milestone completion dates to encourage competitive bids on the project.

Please contact me at [ian.joynes@jacobs.com](mailto:ian.joynes@jacobs.com) you have any questions regarding this recommendation.

Yours sincerely

A handwritten signature in black ink, appearing to read "I. Joyne", with a horizontal line drawn above it.

Ian Joyne, BEng CEng FICE

Copies to:

Kris Bakkegard  
Bob Zimmerman  
Matt Stamness  
Nathan Boerboom  
Jason Benson  
Justin Sorum

## Bid Tabulation Assessment

Project: WP47A - Utility Relocations

Bid Opening July 11, 2023

				Engineers Estimate		Border States Paving, Inc.	
No.	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1.	Mobilization	1	LS	\$106,000.00	\$ 106,000.00	\$ 250,000.00	\$ 250,000.00
2.	Traffic Control	1	LS	\$15,000.00	\$ 15,000.00	\$ 125,000.00	\$ 125,000.00
3.	Stowmwater Management	1	LS	\$20,000.00	\$ 20,000.00	\$ 85,000.00	\$ 85,000.00
4.	Aggragate Surfacing Cl 13	93	TON	\$65.00	\$ 6,045.00	\$ 100.00	\$ 9,300.00
5.	Unsuitable Material Excavation	100	CY	\$35.00	\$ 3,500.00	\$ 125.00	\$ 12,500.00
6.	Import Borrow Type 52	100	CY	\$50.00	\$ 5,000.00	\$ 125.00	\$ 12,500.00
7.	Topsoil	18,716	SY	\$1.50	\$ 28,074.00	\$ 15.00	\$ 280,740.00
8.	Seeding Class II	12,905	SY	\$2.00	\$ 25,810.00	\$ 0.50	\$ 6,452.50
9.	Hydraulic Mulch	12,905	SY	\$0.75	\$ 9,678.75	\$ 0.70	\$ 9,033.50
10.	Straw Mulch	70,478	SY	\$0.50	\$ 35,239.00	\$ 0.25	\$ 17,619.50
11.	Fiber Rolls 12in	12,707	LF	\$2.00	\$ 25,414.00	\$ 5.00	\$ 63,535.00
12.	CLSM Encasement	307	CY	\$300.00	\$ 92,100.00	\$ 700.00	\$ 214,900.00
13.	Water Main - 8"	2,007	LF	\$85.00	\$ 170,595.00	\$ 150.00	\$ 301,050.00
14.	Utility Conduit 1.25"	846	LF	\$25.00	\$ 21,150.00	\$ 90.00	\$ 76,140.00
15.	Utility Conduit 2"	2,806	LF	\$25.00	\$ 70,150.00	\$ 70.00	\$ 196,420.00
16.	Utility Conduit 4"	3,507	LF	\$30.00	\$ 105,210.00	\$ 75.00	\$ 263,025.00
17.	Utility Conduit 6"	2,566	LF	\$35.00	\$ 89,810.00	\$ 85.00	\$ 218,110.00
18.	Utility Conduit & Expansion Joint	24	EA	\$500.00	\$ 12,000.00	\$ 3,000.00	\$ 72,000.00
19.	Conduit Seal	16	EA	\$150.00	\$ 2,400.00	\$ 200.00	\$ 3,200.00
<b>Construction Subtotal</b>				<b>\$</b>	<b>843,175.75</b>	<b>\$</b>	<b>2,216,525.50</b>
<b>Contingency (10%)</b>				<b>\$</b>	<b>84,317.58</b>	<b>\$</b>	<b>-</b>
<b>CONSTRUCTION TOTAL</b>				<b>\$</b>	<b>927,493.33</b>	<b>\$</b>	<b>2,216,525.50</b>

**Difference \$ 1,289,032.18**