Diversion Authority Board Meeting
AGENDA
3:30 P.M. - Thursday, June 25, 2020
Virtual Meeting

Permanent, Reliable Flood Protection

1. Call to order
2. Approve minutes from previous meeting (ACTION)
3. Approve order of Agenda (ACTION)

CONSENT AGENDA – APPROVE THE FOLLOWING:

1. Financial Report [Attachment 01] (ACTION)
2. Voucher Approval (ACTION)

REGULAR AGENDA:

4. Finance Committee Appointment
5. Executive Director Report
6. USACE Project Update
7. General Counsel Update
8. Public Outreach
9. Land Management
    a. Property Status Report [Attachment 02]
    b. SBA Cell Phone Tower Easement [Attachment 03]
10. Finance
    a. DA Board Approval Contract Actions (ACTION)
        - HMG Task Order 1, Amendment 16 [Attachment 04]
          Professional Liability Insurance $249,931
        - HMG Task Order 16, Amendment 13 [Attachment 05]
          Permit Submittal Preparation $240,480
        - HMG Task Order 20, Amendment 05 [Attachment 06]
          Work-In-Kind Design Services $169,730
11. Other Business
12. Next Meeting: July 23, 2020
13. Adjournment

Meeting Documents are available at www.FMDiversion.gov

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
- View the Meeting on the City of Fargo's Facebook or Twitter feed.
- View the Meeting at FMDiversion.com/Meeting
- View the Meeting at Twitter.com/FMDiversion
- Listen to the meeting by calling the free conference call number
    - Call in number: 1-855-209-1113
    - Conference Code: 235-039-8866

METRO FLOOD DIVERSION AUTHORITY
May 28, 2020
3:30 PM

1. CALL TO ORDER

A virtual meeting of the Metro Flood Diversion Authority was held Thursday, May 28, 2020, at 3:30 PM with the following members present via telephone or videoconference: Fargo City Mayor Tim Mahoney; Fargo City Commissioner Tony Grindberg; Moorhead City Council Member Chuck Hendrickson; Moorhead City Council Member Shelly Carlson; Cass County Commissioner Mary Scherling; Cass County Commissioner Chad Peterson; Cass County Commissioner Rick Steen; Clay County Commissioner Kevin Campbell; Clay County Commissioner Grant Weyland; Cass County Joint Water Resource District Manager Rodger Olson and West Fargo City Commissioner Mike Thorstad.

Moorhead Mayor Johnathan Judd and Fargo City Commissioner Dave Piepkorn were absent.

2. MINUTES/ORDER APPROVED

MOTION, passed

Mr. Hendrickson moved and Mr. Peterson seconded to approve the minutes from April 23, 2020. Motion carried.

3. AGENDA ORDER APPROVED

Executive Director Paulsen requested that Item 9.c. Oak Grove Amendment be moved to the Consent Agenda at the recommendation of the Finance Committee.

MOTION, passed

Mr. Steen moved and Ms. Carlson seconded to approve the agenda as amended. Motion carried.

4. CONSENT AGENDA APPROVED

MOTION, passed

Mr. Steen moved and Mrs. Scherling seconded to approve the consent agenda as amended:

- **Approve Item 9c Oak Grove Amendment (Attachment 05)**

On a roll call vote, the motion carried unanimously.

5. EXECUTIVE DIRECTOR UPDATE

Executive Director Paulsen provided a review of costs to date. The current costs to date are $554 million. The majority has been expended on land, legal and financial.

Cost savings have been recognized in consultant contracting services as a result of COVID due to reduced travel and associated costs.

Interviews will be held on June 4th for the director of engineering position.

The P3 RFP Draft #5 will be completed in late June.

6. **USACE PROJECT UPDATE**

Ms. Williams provided the following project updates:

1. Diversion Inlet Structure Construction Structure includes 3-50 ft. wide Tainter gates. The current construction completion date is 7 June 2023. Anticipated remaining schedule: 2020: Foundations/site work, control structure. 2021: Concrete piers/abutments, control building. 2022: Install bridge deck, gates, and operating machinery. 2023: Paint gates, seed. 2024: Turf established.

2. Wild Rice River Structure Construction Structure includes 2-40 ft. wide Tainter gates. Construction began in May 2020 with site preparation and excavation. The required construction completion is October 2023

3. Red River Structure Design Structure includes 2-50 ft. wide Tainter gates. Physical model (1:40 scale) is scheduled to be back up and running by 8 June and will be used to test a number of design alternatives. The design remains on schedule. The 35% plans and specs review by the DA is complete and the 65% review is scheduled to begin in October 2020. Final plans and specs are scheduled to be completed in September 2021.

4. Southern Embankment – Reach SE-1 (Western Tieback) The 95% design for the Western Tieback will be provided for DA and agency technical review on 12 June 2020. Final plans and specs are scheduled to be available late July 2020. Construction contract award could be delayed until 2nd quarter FY21 due to delays in land acquisition.

5. Southern Embankment – Reach SE-2A Detailed design is commencing and we anticipate having final plans and specifications by November 2021. Rock Island District is assisting with design for Reaches SE-2A, SE-2B and SE-4.

6. I-29 Raise Design Being designed by Houston Moore Group (HMG) and constructed by the Corps. The 90% design review is scheduled to begin on 22 June 2020. Final plans and specifications are scheduled to be available late September 2020.

7. Drain 27 Wetland Mitigation Project Design The 35% design review is scheduled to begin in August 2020. A meeting with potentially impacted landowners was held 30 April 2020.

7. GENERAL COUNSEL UPDATE

Some modifications have been made to the schedule due to COVID. The next RFP release date is June 29. The final RFP release date is September 25. Technical proposals will be completed by November 11.

8. PUBLIC OUTREACH

Mr. Schneider played two videos that highlighted the current work along the inlet control structure and the Wild Rice River control structure.

The ND Water Coalition will be meeting on May 29.

The WTOC will be meeting on June 4; Dr. Mahoney and Mr. Paulsen will be presenting virtually.

9. LAND MANAGEMENT

Mrs. Scherling reviewed lands and there have been five new appraisals and 10 acquisitions; 100 formal offers and 40 leases. The mitigation plan has been submitted to the NDOSE.

Farmstead Re-establishment Plan

Mrs. Scherling stated that this was approved unanimously by the Lands Committee.

Eric Dodds reviewed the Farmstead Re-establishment Plan.

Mrs. Scherling reiterated the need for the affected property owners to be treated fairly and equally.

Mr. Olson likes the program as it assists farmers in being made whole. He feels that it has been handled and received well.

MOTION, passed
Mr. Olson moved and Mr. Campbell seconded to approve the Farmstead Re-establishment Program in a phased approach as recommended at the Finance Committee meeting. On a roll call vote, the motion carried.

10. FINANCE

a. Mr. Paulsen requested approval of TO 26, Amendment 4 I-29 raise for $305,500. These were anticipated costs for additional services.

MOTION, passed
Mr. Peterson moved and Mr. Hendrickson seconded to approve the task order. On a roll call vote, the motion carried.

b. **PROGRAM BUDGET STATUS**

The current status of the budget looks positive. Mr. Nicholson has been working with the PMC team to review costs and evaluate where we are as of December 2019. We are currently tracking at under $5 million.

Although the numbers are looking good, we have to stay vigilant and watch all expenditure and continuously look for ways to cut costs.

12. OTHER BUSINESS

The contested case hearing will be held virtually on June 8-19.

13. NEXT MEETING

The next meeting will be June 25 and may be in-person.

14. ADJOURNMENT

MOTION, passed

Ms. Carlson moved and Mr. Peterson seconded to adjourn the meeting. Motion carried.

Attachment 01

FM Metropolitan Area Flood Risk Management Project
Fiscal Accountability Report Design Phase (Fund 790)
As of 05/31/20

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Cumulative Totals
Revenues											
City of Fargo	443,138	7,652,681	7,072,961	19,373,131	28,310,373	42,565,943	30,112,100	30,150,091	32,835,957	6,743,420	205,259,795
Cass County	443,138	7,652,681	7,072,961	19,373,131	28,310,373	115,636,848	13,925,658	14,305,401	15,637,755	2,048,976	224,406,922
State Water Commission	-	-	3,782,215	602,918	31,056,740	104,501,111	25,892,783	9,227,010	26,655,616	807,048	202,525,441
Other Agencies	98,475	1,700,595	1,571,769	4,305,140	6,291,194	(13,260,368)	-	-	-	-	706,805
City of Oxbow MOU Repayment	-	-	-	-	-	428,392	1,158,044	-	358,178	163,754	2,108,368
Reimbursements	-	-	-	-	-	33,880	44,719	27,396	22,600	-	128,595
Lease/Rental Payments	-	-	17,358	154,180	180,341	260,806	354,466	527,903	653,883	38,020	2,186,957
Asset Sales	-	-	-	616,774	315,892	175,190	114,479	-	-	-	1,222,335
Interest Income	-	-	-	-	-	-	505,157	1,246,875	1,885,896	477,030	4,114,958
Miscellaneous	-	-	226	626	427	-	2,600	356	-	-	4,235
Total Revenues	984,750	17,005,957	19,517,491	44,425,900	94,465,339	250,341,802	72,110,007	55,485,032	78,049,884	10,278,248	642,664,411
Expenditures											
7905 Army Corp Payments	-	-	875,000	1,050,000	2,725,000	47,279,000	1,230,000	-	-	-	53,159,000
7910 WIK - Administration	107,301	331,321	77,614	169,019	282,227	309,020	729,947	849,081	1,201,725	396,802	4,454,057
7915 WIK - Project Design	149,632	5,366,147	3,220,859	9,118,723	4,660,226	2,975,689	2,907,309	2,142,880	2,516,133	774,569	33,832,167
7920 WIK - Project Management	679,037	7,223,650	4,695,477	3,579,339	4,500,955	9,315,429	15,211,372	6,817,589	8,326,357	2,501,309	62,850,517
7925 WIK - Recreation	-	163,223	-	-	-	-	-	-	40,000	75,000	278,223
7930 LERRDS - North Dakota	48,664	3,843,620	2,763,404	17,013,358	55,948,209	52,472,770	38,286,144	8,114,895	30,223,861	14,839,268	223,554,193
7931 LERRDS - Minnesota	-	27,996	287,907	13,068	32,452	1,815,566	25,949	4,914	5,352	607	2,213,811
7940 WIK Mitigation - North Dakota	-	-	-	587,180	-	-	256,326	69,283	12,357	13,108	938,254
7941 WIK Mitigation - Minnesota	-	-	-	-	-	-	-	-	-	-	-
7950 Construction - North Dakota	-	-	-	1,738,638	19,269,055	43,084,726	5,267,083	4,384,090	18,183,794	821,060	92,748,445
7951 Construction - Minnesota	-	-	-	-	-	-	-	-	-	-	-
7952 Construction - O/H/B	-	-	-	11,282,504	5,044,001	791,619	10,907,637	4,111,617	369,936	(12,770)	32,494,546
7955 Construction Management	-	-	-	556,209	2,867,422	5,746,224	1,002,575	296,092	685,741	85,066	11,239,328
7980 Operations & Maintenance	-	-	-	-	-	6,403	28,538	41,493	35,328	-	111,762
7990 Project Financing	-	50,000	70,000	216,376	566,600	6,944,623	6,914,504	9,879,405	11,434,046	2,022,266	38,097,820
7995 Project Eligible - Off Formula Costs	-	-	-	-	-	-	-	-	-	-	-
7999 Non Federal Participating Costs	116	(0)	-	-	-	-	221,568	-	-	-	221,684
Total Expenditures	984,750	17,005,957	11,990,261	45,324,414	95,896,147	170,741,069	82,988,952	36,711,339	73,034,630	21,516,286	556,193,806

FM Metropolitan Area Flood Risk Management Project
Statement of Net Position
May 31, 2020

		Amount
Assets		
Cash	$	86,037,033
Receivables		
State Water Commission *		1,432,479
Prepaid Expense		83,107
Total assets		**87,552,619**
Liabilities		
Retainage payable		1,075,514
Rent Deposit		6,500
Total liabilities		**1,082,014**
NET POSITION	**$**	**86,470,605**

***** Receivable balance is as of 3/31/2020

FM Metropolitan Area Flood Risk Management Project
FY 2019 Summary Budget Report (In Thousands)
As of 31 May 2020

	2020 Approved Budget	Current Month	Fiscal Year To Date	% Expended	Outstanding Encumbrances	Remaining Budget Balance
Revenue Sources						
City of Fargo	-		11,543			
Cass County	-		2,802			
State of ND - 50 % Match	-		7,247			
State of ND - 100% Match	-		5,691			
State of Minnesota	-		-			
Other Agencies	-		-			
City of Oxbow MOU Reimbursement			(122)			
Financing Proceeds	-		100			
Reimbursements	-		-			
Sales of Assets	-		-			
Property Income	-		36			
Miscellaneous	-		-			
Total Revenue Sources	**138,559**	**-**	**27,297**	**-**	**-**	**111,261**
Funds Appropriated						
Diversion Channel & Assoc. Infrastructure	7,744	82	3042	0%	3,285	1,417
Southern Embankment & Assoc. Infrastructure	1,373	132	670	49%	1,635	(932)
Other Mitigation Projects	2,872	(25)	6	0%	872	1,994
In-Town Flood Protection	24,894	354	2638	11%	625	21,631
Enabling Work / Other	26	-	0	0%	-	26
Land Acquisition & Mitigation	71,079	394	17194	24%	63,312	(9,426)
Engineering & Design Fees	3,135	218	1246	40%	3,591	(1,701)
Program Management	16,244	185	4333	27%	73,429	(61,517)
Contingency	-	-	0	0%		-
Debt Service	11,100	105	1039	9%	844	9,217
Maintenance	90	-	35	39%	-	55
Total Appropriations	**138,559**	**1,444**	**30,203**	**22%**	**147,592**	**(39,237)**

METRO FLOOD DIVERSION AUTHORITY Friday, June 12, 2020

Data Through Date: Sunday May, 31 2020

Summary of Expenses

EXP-2020-05

Account_Number	Check Date	Check Number	Vendor_Name	Transaction Amount	Description	Project Number	Project_Description
790-0000-206.10-00	5/28/2020	304334	MEYER CONTRACTING INC	$432,621.45	Pay Retainage	V04401	OHB RING LEVEE PHASES C&D
	5/28/2020	304334	MEYER CONTRACTING INC	$53,988.25	Pay Retainage	V04401	OHB RING LEVEE PHASES C&D
			Retainage	**$486,609.70**			
790-7910-429.11-00	5/28/2020	304302	CASS COUNTY FINANCE	$21,937.50	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Full Time Staff / Salary	**$21,937.50**			
790-7910-429.20-01	5/28/2020	304302	CASS COUNTY FINANCE	$1,979.00	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Employee Benefits / Health Insurance	**$1,979.00**			
790-7910-429.20-03	5/28/2020	304302	CASS COUNTY FINANCE	$80.00	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Employee Benefits / Dental Insurance	**$80.00**			
790-7910-429.21-01	5/28/2020	304302	CASS COUNTY FINANCE	$1,313.47	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Employee Benefits / FICA 6.2%	**$1,313.47**			
790-7910-429.21-02	5/28/2020	304302	CASS COUNTY FINANCE	$307.18	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Employee Benefits / Medicare 1.45%	**$307.18**			
790-7910-429.22-07	5/28/2020	304302	CASS COUNTY FINANCE	$2,689.54	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Employee Benefits / Retirement Diversion	**$2,689.54**			
790-7910-429.25-00	5/28/2020	304302	CASS COUNTY FINANCE	$45.48	PAYROLL EXPENSES-DIVERSIO	V00106	EXECUTIVE DIRECTOR
			Workers Compensation / Unemployment	**$45.48**			
790-7910-429.33-20	5/26/2020	JB05200021	CITY OF FARGO-AUDITORS OFFICE	$5,378.90	CHARGE FOR COF TIME-05/20	V00102	General & Admin. WIK
			Other Services / Accounting Services	**$5,378.90**			
790-7910-429.34-20	5/7/2020	303981	ND WATER EDUCATION FOUNDATION	$500.00	ND WATER MAG-APRIL ISSUE	V05701	ND WATER MAGAZINE OUTRCH
			Technical Services / Marketing/PR Services	**$500.00**			
790-7910-429.43-50	5/28/2020	304302	CASS COUNTY FINANCE	$87.11	MISC DIRECTOR EXPENSES	V00106	EXECUTIVE DIRECTOR
			Repair and Maintenace / Maintenace Service Contracts	**$87.11**			
790-7910-429.53-20	5/28/2020	304302	CASS COUNTY FINANCE	$58.02	MISC DIRECTOR EXPENSES	V00106	EXECUTIVE DIRECTOR
			Communications / Cellular Phone Service	**$58.02**			
790-7910-429.61-10	5/28/2020	304302	CASS COUNTY FINANCE	$363.68	MISC DIRECTOR EXPENSES	V00106	EXECUTIVE DIRECTOR
			General Supplies / Office Supplies	**$363.68**			
790-7910-429.74-12	5/28/2020	304302	CASS COUNTY FINANCE	$16.11	MISC DIRECTOR EXPENSES	V00106	EXECUTIVE DIRECTOR

METRO FLOOD DIVERSION AUTHORITY **Friday, June 12, 2020**

Data Through Date: Sunday May, 31 2020

Summary of Expenses

EXP-2020-05

Account_Number	Check Date	Check Number	Vendor_Name	Transaction Amount	Description	Project Number	Project_Description
			Capital Outlay / Computer Software	**$16.11**			
790-7915-429.33-05	5/7/2020	303930	AECOM TECHNICAL SERVICES, INC	$3,651.51	CULTURAL RESOURCES INVEST	V01004	SEAI CULTURAL RES INVEST
	5/7/2020	303957	HOUSTON-MOORE GROUP LLC	$5,753.45	HYDROLOGY & HYDRAULIC MOD	V01625	HYDROLOGY/HYDRAULIC MODEL
	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$1,603.50	LEVEE DESIGN & SUPPORT	V01613	LEVEE DESIGN & SUPPORT
	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$41,184.00	PERMIT SUBMITTAL PREP	V01616	PERMIT SUBMITTAL PREP
	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$118,193.02	SEAI WORK IN KIND	V01620	SEAI-I29 GRADE RAISE DSGN
	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$1,340.00	HYDROLOGY/HYDRAULIC MODEL	V01625	HYDROLOGY/HYDRAULIC MODEL
	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$12,256.75	PERMIT COMPLIANCE	V01631	PERMIT COMPLIANCE MONITOR
	5/28/2020	304323	HOUSTON-MOORE GROUP LLC	$75,406.25	TASK 26 WORK IN KIND	V01626	WORK-IN-KIND (WIK)
			Other Services / Engineering Services	**$259,388.48**			
790-7920-429.33-05	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$74,533.83	PROJECT MANAGEMENT	V01601	HMG - PROJECT MANAGEMENT
			Other Services / Engineering Services	**$74,533.83**			
790-7930-429.33-05	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$15,547.66	BOUNDRY SURVEYING	V01628	BOUNDARY SURVEYING SRVCS
	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$15,471.86	PROPERTY STRUCTURE MITIGA	V01630	PROPERTY STRUCTURE MITGTN
	5/20/2020	304181	ADVANCED ENGINEERING INC	$378,905.53	3/14-4/17 PROF SERVICES	V00302	PROGRAM MGMT SERVICES
			Other Services / Engineering Services	**$409,925.05**			
790-7950-429.73-52	5/28/2020	304325	INDUSTRIAL BUILDERS INC	$354,391.60	2 ST & MAIN AVE FLOOD MIT	V02825	2ND ST S FLOOD MITIGATION
			Infrastructure / Flood Control	**$354,391.60**			
790-7952-429.33-05	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$6,371.40	SERVICES DURING CONST #43	V01623	CONSTRUCTN/BID SVCS WP43
			Other Services / Engineering Services	**$6,371.40**			
790-7952-429.73-52	5/28/2020	304334	MEYER CONTRACTING INC	-$31,732.26	CREDIT TO CORRECT PO BAL	V04401	OHB RING LEVEE PHASES C&D
			Infrastructure / Flood Control	**-$31,732.26**			
790-7990-429.33-05	5/20/2020	304221	HOUSTON-MOORE GROUP LLC	$8,019.00	PROCUREMENT SUPPORT	V01621	P3 RFP PROCUREMENT SUPPRT
			Other Services / Engineering Services	**$8,019.00**			
790-7990-429.33-47	5/28/2020	304349	PROGRAM ADVISOR SERVICES, LLC	$50,030.33	PROGRAM CONSULTING SERV	V05801	CONSULTING SERVICES
			Other Services / Consulting Services	**$50,030.33**			
790-7990-429.34-55	5/20/2020	304205	ERNST & YOUNG INFASTRUCTURE	$73,667.80	FINACIAL ADVISORY SERVICE	V03301	PPP FINANCL ADVISORY SVCS
			Technical Services / Financial Advisor	**$73,667.80**			
790-7990-429.38-99	5/27/2020	JB05200026	CITY OF FARGO-AUDITORS OFFICE	$100,000.00	WIFIA LOAN APPLCATION FEE	V06101	WIFIA LOAN APPLICATN FEE

METRO FLOOD DIVERSION AUTHORITY **Friday, June 12, 2020**

Data Through Date: Sunday May, 31 2020

Summary of Expenses

EXP-2020-05

Account_Number	Check Date	Check Number	Vendor_Name	Transaction Amount	Description	Project Number	Project_Description
Other Services / Other Services				**$100,000.00**			
790-7990-520.80-20	5/20/2020	304196	CASS COUNTY FINANCE	$104,800.00	APRIL INTEREST	V02906	$100M 2017 CASS WF ADVANC
Debt Service / Interest on Bonds				**$104,800.00**			
Total Amount Invoiced this period				**$1,930,760.92**			
				$486,609.70	**Less Paid Retainage**		
				$1,444,151.22	**Total Less Paid Retainage**		

FM Metropolitan Area Flood Risk Management Project

Cumulative Vendor Payments Since Inception

As of May 31, 2020

Vendors	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
CASS COUNTY JOINT WATER RESOUR	$ 273,754,816.09	$ 210,533,871.22	$ 63,220,944.87	Land Purchases, O/H/B Ring Levee, DPAC, & ROE
CH2M HILL ENGINEERS INC	$ 116,576,718.02	$ 59,855,094.46	$ 56,721,623.56	Program, Project, Construction and Land Management
ARMY CORP OF ENGINEERS	$ 53,159,000.00	$ 53,159,000.00	$ -	Local Share
HOUSTON-MOORE GROUP LLC	$ 51,630,187.93	$ 47,290,398.85	$ 4,339,789.08	Engineering Services
INDUSTRIAL BUILDERS INC	$ 48,362,229.00	$ 47,604,252.99	$ 757,976.01	Const - 2nd St North Pump Station Project and 2nd Street Floodwall
CITY OF FARGO	$ 32,247,814.55	$ 32,247,814.55	$ -	Digital Imagery Project, Utility Relocation, Accounting Svcs, and Bank Loan Advance DS Payments
INDUSTRIAL CONTRACT SERVICES I	$ 17,605,821.19	$ 17,493,762.16	$ 112,059.03	Const - 4th St Pump Station and 2nd Street Floodwall
ADVANCED ENGINEERING INC	$ 16,110,194.11	$ 573,066.28	$ 15,537,127.83	Public Outreach
OXBOW, CITY OF	$ 15,527,666.94	$ 15,165,810.37	$ 361,856.57	MOU Agreement
MEYER CONTRACTING INC	$ 12,097,879.84	$ 12,097,879.84	$ -	Construction/Demolition Services
DORSEY & WHITNEY LLP	$ 8,127,634.93	$ 8,127,634.93	$ -	Legal Services
CASS COUNTY FINANCE	$ 8,079,941.98	$ 8,013,971.40	$ 65,970.58	Property Taxes and Bank Loan Advance DS Payments
ASHURST LLP	$ 7,795,542.81	$ 4,566,727.51	$ 3,228,815.30	PPP (P3) Legal Counsel
ERNST & YOUNG INFASTRUCTURE	$ 4,377,000.00	$ 3,532,728.00	$ 844,272.00	Financial Advisor
OHNSTAD TWICHELL PC	$ 4,324,456.73	$ 4,324,456.73	$ -	ROE and Bonding Legal Fees
MINNESOTA DNR	$ 2,613,681.40	$ 2,613,681.40	$ -	EIS Scoping
CENTURYLINK	$ 2,586,742.00	$ 2,586,742.00	$ -	Utility Relocation
OXBOW MOU LAND ADVANCE	$ 2,383,317.16	$ 2,383,317.16	$ -	Land Purchase
LANDWEHR CONSTRUCTION INC	$ 2,304,622.16	$ 2,304,622.16	$ -	Const - In-Town Demolition Contracts
URS CORPORATION	$ 1,805,670.90	$ 1,805,670.90	$ -	Engineering Services
KENNELLY & OKEEFFE	$ 1,729,110.56	$ 1,729,110.56	$ -	Home Buyouts
HOUGH INCORPORATED	$ 1,639,524.33	$ 1,639,524.33	$ -	Const - 2nd Street South Flood Control
REINER CONTRACTING INC	$ 1,599,646.21	$ 1,599,646.21	$ -	Const - El Zagal Flood Risk Management
CONSOLIDATED COMMUNICATIONS	$ 1,063,096.11	$ 1,063,096.11	$ -	Utility Relocation
ORACLE AMERICA, INC	$ 1,015,290.00	$ 306,856.00	$ 708,434.00	Electronic Data Mgmt and Record Storage System
TERRACON CONSULTING ENGINEERS	$ 909,149.49	$ 882,451.41	$ 26,698.08	Materials Testing
RILEY BROTHERS CONSTRUCTION	$ 807,871.82	$ 807,871.82	$ -	Construction - County Roads 16 & 17 Realignment
XCEL ENERGY	$ 753,515.88	$ 753,515.88	$ -	Utility Relocation
MOORE ENGINEERING INC	$ 662,468.17	$ 662,468.17	$ -	Engineering Services
PROGRAM ADVISOR SERVICES, LLC	$ 650,000.00	$ 188,902.97	$ 461,097.03	Professional Services
US BANK	$ 626,849.03	$ 626,849.03	$ -	Loan Advance DS Payments
DUCKS UNLIMITED	$ 587,180.00	$ 587,180.00	$ -	Wetland Mitigation Credits
HOUSTON ENGINEERING INC	$ 576,669.57	$ 576,669.57	$ -	Engineering Services
ERIK R JOHNSON & ASSOCIATES	$ 560,451.03	$ 560,451.03	$ -	Legal Services
SCHMIDT AND SONS CONSTRUCTION	$ 553,931.86	$ 482,103.66	$ 71,828.20	Oxbow Housing Relocation
CLAY COUNTY AUDITOR	$ 544,572.82	$ 34,538.71	$ 510,034.11	Property Tax, Home Buyout Demo
CROWN APPRAISALS INC	$ 525,000.00	$ 500,000.00	$ 25,000.00	Flowage Easements Valuation
RED RIVER BASIN COMMISSION	$ 501,000.00	$ 501,000.00	$ -	Retention Projects - Engineering Services
NURSERY&LAN	$ 486,502.29	$ 472,091.04	$ 14,411.25	Construction - Landscape

FM Metropolitan Area Flood Risk Management Project
Cumulative Vendor Payments Since Inception
As of May 31, 2020

Vendors	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
NORTHERN TITLE CO	$ 484,016.00	$ 484,016.00	$ -	Land Purchases
AT & T	$ 461,031.30	$ 461,031.30	$ -	Utility Relocation
BRAUN INTERTEC CORP	$ 450,146.25	$ 397,107.86	$ 53,038.39	Quality Testing
FARGO MOORHEAD METROPOLITAN	$ 368,858.35	$ 368,858.35	$ -	Lidar Imaging
NDSU BUSINESS OFFICE	$ 356,145.00	$ 267,779.75	$ 88,365.25	Ag Risk Study Services
BEAVER CREEK ARCHAEOLOGY	$ 308,397.00	$ 165,709.77	$ 142,687.23	Engineering Services
ACONEX (NORTH AMERICA) INC	$ 306,856.00	$ 306,856.00	$ -	Electronic Data Mgmt and Record Storage System
702 COMMUNICATIONS	$ 266,892.07	$ 266,892.07	$ -	Utility Relocation
SPRINT	$ 256,409.37	$ 256,409.37	$ -	Utility Relocation
AON RISK SERVICES CENTRAL, INC	$ 240,000.00	$ 183,813.50	$ 56,186.50	P3 Risk Advisory Services
WATERSHED DI	$ 221,568.00	$ 221,568.00	$ -	Services
FREDRIKSON & BYRON, PA	$ 217,881.28	$ 217,881.28	$ -	Lobbying Services
CASS RURAL WATER USERS DIST	$ 216,335.00	$ 213,335.00	$ 3,000.00	Utilities and Utility Relocation
ROBERT TRENT JONES	$ 200,000.00	$ 200,000.00	$ -	Oxbow MOU - Golf Course Consulting Agreement
SPRINGSTED INCORPORATED	$ 178,010.15	$ 178,010.15	$ -	Financial Advisor
S & S LANDSCAPING CO INC	$ 150,528.50	$ 31,123.00	$ 119,405.50	Construction - Landscape
PFM PUBLIC FINANCIAL MANAGEMEN	$ 146,460.00	$ 146,460.00	$ -	Financial Advisor
GRAY PANNELL & WOODWARD LLP	$ 143,800.68	$ 143,800.68	$ -	Legal Services
AECOM TECHNICAL SERVICES, INC	$ 139,000.00	$ 23,896.30	$ 115,103.70	Engineering Services
AT&T NETWORK OPERATIONS	$ 125,238.30	$ 125,238.30	$ -	Utility Relocation
CENTURYLINK ASSET ACCOUNTING-B	$ 118,871.82	$ 118,871.82	$ -	Utility Relocation
ENVENTIS	$ 115,685.62	$ 115,685.62	$ -	Utility Relocation
UNITED STATES GEOLOGICAL SURVE	$ 104,600.00	$ 104,600.00	$ -	Stage Gage Installation
CASS COUNTY ELECTRIC-4100 32 A	$ 104,195.00	$ 97,995.00	$ 6,200.00	Utility Services / Relocation
US ENVIRONMENTAL PROTECTION AGENCY	$ 100,000.00	$ 100,000.00	$ -	Permitting
EL ZAGAL TEMPLE HOLDING CO	$ 76,000.00	$ 76,000.00	$ -	Easement Purchase for El Zagal Levee
HKA GLOBAL, INC	$ 74,353.00	$ 74,353.00	$ -	Professional Services
GERSON LEHRMAN GROUP, INC.	$ 60,819.00	$ 60,819.00	$ -	Legal Services
NIXON PEABODY LLC	$ 60,000.00	$ 60,000.00	$ -	Legal Services
CPS HR CONSULTING	$ 50,555.98	$ 50,555.98	$ -	HR Consulting
IN SITU ENGINEERING	$ 47,973.00	$ 47,973.00	$ -	Quality Testing
US GEOLOGICAL SURVEY	$ 46,920.00	$ 46,920.00	$ -	Stage Gage Installation
WARNER & CO	$ 40,567.00	$ 40,567.00	$ -	General Liability Insurance
COMMUNICATIONS	$ 37,318.95	$ 37,318.95	$ -	Utility Relocation
AMERICAN ENTERPRISES INC	$ 34,000.00	$ 34,000.00	$ -	Test Pits
GEOKON INC	$ 33,815.36	$ 33,815.36	$ -	Vibrating Wire Piezometer Equipment

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Cumulative Vendor Payments Since Inception
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Vendors	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
COLDWELL BANKER	$ 33,066.02	$ 33,066.02	$ -	Property Management Services
ND WATER USERS ASSOCIATN	$ 30,450.00	$ 30,450.00	$ -	Membership Dues
ADMINISTRAT	$ 30,000.00	$ 30,000.00	$ -	P3 Support Services
NAASTAD BROTHERS, INC	$ 25,796.40	$ 25,796.40	$ -	Roadway Ditch Work
XCEL ENERGY-FARGO	$ 16,275.85	$ 16,275.85	$ -	Utility Relocation
PRIMORIS AEVENIA INC	$ 16,230.00	$ 16,230.00	$ -	Utility Relocation
MOORHEAD, CITY OF	$ 15,062.90	$ 15,062.90	$ -	ROE Legal Fees
MAP SERVICE CENTER	$ 14,500.00	$ 14,500.00	$ -	Permit fee
BRIGGS & MORGAN PA	$ 12,727.56	$ 12,727.56	$ -	Legal Services
MARSH & MCLENNAN AGENCY LLC	$ 9,416.52	$ 9,416.52	$ -	Property Insurance - Home Buyouts
INC	$ 8,324.94	$ 8,324.94	$ -	Vibrating Wire Piezometer Equipment
NEWMAN SIGNS INC	$ 5,816.00	$ 5,816.00	$ -	Sinage
ONE	$ 3,575.00	$ 3,575.00	$ -	Legal Services
MCKINZIE METRO APPRAISAL	$ 3,200.00	$ 3,200.00	$ -	Appraisal Services
STUDIO 7 PRODUCTIONS	$ 3,170.00	$ 3,170.00	$ -	Video Productions
ND WATER EDUCATION FOUNDATION	$ 3,000.00	$ 2,500.00	$ 500.00	Advertising Services
BUILDING & GROUNDS MANAGEMENT	$ 2,977.50	$ 2,977.50	$ -	Lawn Mowing Services
BNSF RAILWAY COMPANY	$ 2,925.00	$ 2,925.00	$ -	MOU Agreement
SEIGEL COMMUNICATIONS SERVICE	$ 2,345.00	$ 2,345.00	$ -	Public Outreach
COUGAR TREE CARE INC	$ 2,300.00	$ 2,300.00	$ -	Tree Removal
FORUM COMMUNICATIONS (LEGALS)	$ 2,224.20	$ 2,224.20	$ -	Advertising Services
HEARTLAND SEEDS, INC.	$ 2,200.00	$ 2,200.00	$ -	Lawn Mowing Services
GLACIER ENTERPRISES	$ 2,150.00	$ 2,150.00	$ -	Soil Grading
FORUM COMMUNICATIONS (ADVERT)	$ 1,743.77	$ 1,743.77	$ -	Advertising Services
NORTH DAKOTA TELEPHONE CO	$ 1,697.00	$ 1,697.00	$ -	Communication
CIVIL DESIGN INC	$ 1,595.00	$ 1,595.00	$ -	MOU Agreement
ERBERT & GERBERTS SUBS	$ 1,232.29	$ 1,232.29	$ -	lunches for the task force meetings
HUBER, STEVE	$ 1,056.43	$ 1,056.43	$ -	Home Buyouts
WARREN TOWNSHIP	$ 1,023.72	$ 1,023.72	$ -	SEEDING, ROAD REPAIR, DUST CONTROL
DEPT OF NATURAL RESOUR	$ 1,000.00	$ 1,000.00	$ -	DNR Dam Safety Permit Application Fee
FARGO-MOORHEAD SERTOMA CLUB	$ 1,000.00	$ 1,000.00	$ -	Holiday Lights Display
TRIO ENVIRONMENTAL CONSULTING	$ 747.60	$ 747.60	$ -	Asbestos and LBP Testing - Home Buyouts
NDSU-DINING-STORE 685	$ 701.75	$ 701.75	$ -	Meeting Incidentals
RED RIVER TITLE SERVICES INC	$ 675.00	$ 675.00	$ -	Abstract Updates
RED RIVER VALLEY COOPERATIVE A	$ 536.96	$ 536.96	$ -	Electricity - Home Buyouts
FERRELLGAS	$ 496.00	$ 496.00	$ -	Propane - Home Buyouts
BROKERAGE PRINTING	$ 473.33	$ 473.33	$ -	Custom Printed Forms
KOCHMANN, CARTER	$ 315.00	$ 315.00	$ -	Lawn Mowing Services

FM Metropolitan Area Flood Risk Management Project
Cumulative Vendor Payments Since Inception
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Vendors	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
GALLAGHER BENEFIT SERVICES INC	$ 250.00	$ 250.00	$ -	Job Description Review
DONS PLUMBING	$ 240.00	$ 240.00	$ -	Winterize - Home Buyouts
HARWOOD TOWNSHIP, CASS, ND	$ 208.91	$ 208.91	$ -	Township Meeting Expenses
WALMART STORE #4352	$ 161.97	$ 161.97	$ -	Meeting Incidentals
CURTS LOCK & KEY SERVICE INC	$ 138.10	$ 138.10	$ -	Service Call - Home Buyouts
GOOGLE LOVEINTHEOVEN	$ 116.00	$ 116.00	$ -	Meeting Incidentals
LANE, BARRET	$ 108.77	$ 108.77	$ -	Lodging Expense
FEDERAL EXPRESS CORPORATION	$ 71.89	$ 71.89	$ -	Postage
Grand Total	**$ 703,869,337.27**	**$ 556,276,913.20**	**$ 147,592,424.07**	

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of May 31, 2020

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
Commercial Relocations - Fargo						
Park East Apartments - 1 2nd St S	6/23/2015	9,240,246.10	-	708,126.94	-	9,948,373.04
Howard Johnson - 301 3rd Ave N	11/2/2015	3,266,079.60	-	3,752,607.61	(1,100.00)	7,017,587.21
Fargo Public School District - 419 3rd St N	3/16/2016	1,903,475.78	-	6,469,727.55	-	8,373,203.33
Mid America Steel - NP Ave, North	6/21/2016	437,371.41	-	5,370,000.00	-	5,807,371.41
Case Plaza - 117 NP Ave N	1/12/2017	250,449.12	-	-	-	250,449.12
Shakey's Pizza - DFI AP LLC - 203 4th Ave N	3/21/2017	1,002,367.69	-	-	-	1,002,367.69
Home Buyouts - Fargo						
1322 Elm St N	11/19/2014	347,270.27	-	47,168.14	-	394,438.41
1326 Elm St N	12/23/2014	230,196.41	-	8,001.02	-	238,197.43
1341 N Oak St	1/29/2015	309,888.24	-	78,889.24	-	388,777.48
1330 Elm St N	2/12/2015	229,982.44	-	62,362.63	-	292,345.07
18 North Terrace N	4/2/2015	129,698.25	-	44,688.72	-	174,386.97
1318 Elm St N	5/29/2015	229,012.67	-	55,452.01	-	284,464.68
724 North River Road	6/8/2015	194,457.83	-	35,615.30	-	230,073.13
1333 Oak Street N	6/24/2015	238,513.23	-	5,249.00	-	243,762.23
26 North Terrace N	9/11/2015	138,619.58	-	12,620.00	-	151,239.58
16 North Terrace N	9/24/2015	227,987.50	-	96,717.14	-	324,704.64
24 North Terrace N	11/25/2015	182,437.38	-	29,269.60	-	211,706.98
1314 Elm Street N	12/18/2015	225,800.09	-	42,025.00	-	267,825.09
12 North Terrace N	2/9/2016	10,191.00	-	-	-	10,191.00
1313 Elm Street N	1/23/2017	350,000.00	-	3,360.00	-	353,360.00
Home Buyouts - Moorhead						
387 170th Ave SW	11/1/2013	281,809.91	-	-	(8,440.00)	273,369.91
16678 3rd St S		214,000.00	-	84,060.80	-	298,060.80
Home Buyouts - Oxbow						
105 Oxbow Drive	11/28/2012	216,651.85	-	-	(181,249.54)	35,402.31
744 Riverbend Rd	12/3/2012	343,828.30	-	2,435.00	-	346,263.30
121 Oxbow Drive	7/31/2013	375,581.20	-	-	(186,918.33)	188,662.87
333 Schnell Drive	9/20/2013	104,087.79	-	-	-	104,087.79
346 Schnell Drive	2/13/2014	512,970.73	-	7,200.00	-	520,170.73
345 Schnell Drive	10/24/2014	478,702.98	-	6,869.44	-	485,572.42
336 Schnell Drive	1/29/2015	310,888.51	-	185,620.00	-	496,508.51
5059 Makenzie Circle	5/21/2015	2,698,226.97	-	10,549.70	-	2,708,776.67
357 Schnell Dr / 760 River Bend Rd	6/18/2015	466,720.80	-	176,524.79	-	643,245.59
349 Schnell Dr / 761 River Bend Rd	6/26/2015	306,725.20	-	309,992.53	-	616,717.73
748 Riverbend Rd / 755 River Bend Rd	9/1/2015	480,783.92	-	205,699.82	-	686,483.74
361 Schnell Dr / 764 River Bend Rd	9/2/2015	490,091.32	-	267,757.65	-	757,848.97
752 Riverbend Rd / 768 River Bend Rd	9/4/2015	469,078.13	-	507,103.56	-	976,181.69
353 Schnell Dr / 772 River Bend Rd	9/11/2015	494,342.87	-	312,212.95	-	806,555.82
SE 1/4-23-137-49 & NW 1/4 SW 1/4 24-137-49 - Heitman	9/30/2015	1,328,151.00	-	-	-	1,328,151.00
350 Schnell Dr / 769 River Bend Rd	12/15/2015	491,024.01	-	279,237.35	-	770,261.36
365 Schnell Drive	1/7/2016	125,077.88	-			125,077.88
852, 856, 860, & 864 Riverbend Rd	1/11/2016	1,222,608.19	-	10,891.60		1,233,499.79
334 Schnell Dr / 751 River Bend Rd	1/15/2016	321,089.77	-	284,349.88	-	605,439.65
749 Riverbend Rd / 433 Trent Jones Dr	2/1/2016	598,885.43	-	469,875.64	-	1,068,761.07
326 Schnell Drive	2/19/2016	326,842.17	-	225,073.09	-	551,915.26
309 Schnell Dr / 325 Trent Jones Dr	5/12/2016	539,895.97	-	574,412.28	-	1,114,308.25
810 Riverbend Rd / 787 River Bend Rd	6/6/2016	672,125.84	-	640,625.43	-	1,312,751.27
833 Riverbend Rd / 446 Trent Jones Dr	7/14/2016	801,671.69	-	590,292.66	-	1,391,964.35
328 Schnell Dr / 347 Trent Jones Dr	7/14/2016	320,803.64	-	329,117.70	-	649,921.34
839 Riverbend Road	7/20/2016	1,775,311.60	-	10,631.50	-	1,785,943.10
332 Schnell Dr / 335 Trent Jones Dr	8/2/2016	328,639.47	-	356,643.81	-	685,283.28
317 Schnell Dr / 409 Trent Jones Dr	9/7/2016	548,393.52	-	558,413.52	-	1,106,807.04
330 Schnell Drive	10/4/2016	328,134.82	-	125,072.50	-	453,207.32
329 Schnell Dr / 417 Trent Jones Dr	10/4/2016	549,277.00	-	499,811.00	-	1,049,088.00
321 Schnell Dr / 410 Trent Jones Dr	10/7/2016	471,534.69	-	514,952.53	-	986,487.22
813 Riverbend Rd / 449 Trent Jones Dr	10/14/2016	660,997.62	-	797,937.65	-	1,458,935.27
325 Schnell Drive / 426 Trent Jones Dr	11/3/2016	403,498.66	-	402,935.97	-	806,434.63
844 Riverbend Road	11/11/2016	716,599.40	-	15,118.84	-	731,718.24
828 Riverbend Rd	11/30/2016	955,928.53	-	-	-	955,928.53
341 Schnell Dr / 343 Trent Jones Dr	12/8/2016	480,921.52	-	673,954.16	-	1,154,875.68
840 Riverbend Rd / 442 Trent Jones Dr	12/21/2016	547,075.19	-	423,662.02	-	970,737.21
816 Riverbend Rd / 441 Trent Jones Dr	12/27/2016	567,413.07	-	338,694.70	-	906,107.77
821 Riverbend Rd / 438 Trent Jones Dr	1/13/2017	580,617.35	-	331,100.87	-	911,718.22
805 Riverbend Rd / 776 River Bend Rd	2/10/2017	508,203.01	-	395,757.84	-	903,960.85
808 Riverbend Road / 254 South Schnell Dr	2/24/2017	713,814.95	-	533,475.96	-	1,247,290.91
338 Schnell Dr / 775 River Bend Rd	2/28/2017	560,402.15	-	407,961.34	-	968,363.49
313 Schnell Drive/ 413 Trent Jones Dr	4/7/2017	389,370.50	-	357,043.95	-	746,414.45
809 Riverbend Rd	5/3/2017	112,304.99	-	-	-	112,304.99
337 Schnell Dr / 353 Trent Jones Dr	5/17/2017	456,146.62	-	524,447.89	-	980,594.51
829 Riverbend Rd / 788 River Bend Rd	7/7/2017	1,056,438.13	-	1,396,004.59	-	2,452,442.72
848 Riverbend Rd / 783 River Bend Rd	7/27/2017	781,361.81	-	1,410,330.68	-	2,191,692.49
817 Riverbend Road / 421 Trent Jones Dr	7/18/2017	445,728.05	-	465,264.50	-	910,992.55
843 Riverbend Rd / 445 Trent Jones Dr	9/21/2017	978,292.23	-	1,207,474.57	-	2,185,766.80

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of May 31, 2020

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
477 Oxbow Drive - OIN 9614 - Henry & Suzanne Mertz	10/27/2017	25,020.58	-	-	-	25,020.58
354 &358 Schnell Drive	12/6/2018	199,512.06	-	-	-	199,512.06
872 Riverbend Rd	10/17/2018	14,329.43	-	-	-	14,329.43
869 Riverbend Rd	10/17/2018	13,029.43	-	-	-	13,029.43
873 Riverbend Rd	10/17/2018	13,029.43	-	-	-	13,029.43
Home Buyouts - Hickson						
17495 52nd St SE	4/28/2015	785,747.66	-	27,604.74	-	813,352.40
4985 and 4989 Klitzke Drive, Pleasant Twp	7/20/2016	245,926.71	-	92,817.44	-	338,744.15
Home Buyouts - Horace						
2914 124th Ave S	12/29/2016	50,981.00	-	-	-	50,981.00
17471 49th St SE - Campbell - OIN 9403	2/16/2017	883,581.00	-	155,896.55	-	1,039,477.55
17465 49th St SE - Campbell - OIN 9411	2/21/2017	828,561.00	-	190,389.56	-	1,018,950.56
17474 52nd St SE - Leher - OIN 1889/1990/2182	7/11/2017	909,905.00	-	29,301.96	-	939,206.96
17449 50th Street SE - Scott Young	9/1/2017	398,936.66	-	-	-	398,936.66
4848 CR 81 S, Horace, ND _ OIN 9405	9/15/2017	451,185.00	-	36,153.08	-	487,338.08
17568 Pfiffer Drive - OIN 9387	3/6/2018	505,925.70	-	3,590.00	-	509,515.70
15-0000-02690-010 & 15-0000-02690-020 - Cossette _ OIN 229 & 230	11/29/2017	2,433,020.59	-	-	-	2,433,020.59
5021 171st Ave. Southeast, Horace, ND _ OIN 1955	12/18/2017	248,677.89	-	-	-	248,677.89
17554 Pfiffer Drive _OIN 9382	1/14/2019	736,781.09	-	101,579.21	-	838,360.30
4961 KLITZKE DR & 4957 KLITZKE DR	12/26/2019	6,320.00	-		-	6,320.00
KLITZKE BROTHERS LOT 1A BLK 1	12/26/2019	520.00	-		-	520.00
Home Buyouts - Argusville						
2351 173rd Ave SE - Johnson - OIN 1222	2/6/2017	215,030.91	-	6,912.57	-	221,943.48
Easements - Fargo						
Part of Lot 5 El Zagal Park	10/9/2014	76,000.00	-	-	-	76,000.00
72 2nd St N - Bortnem	4/13/2016	37,020.00	-	-	-	37,020.00
Oak Terrace Condos - 2 N Terrace N	3/30/2016	5,588.00	-	-	-	5,588.00
Fercho Family Farms,	3/25/2015	50,000.00	-	-	-	50,000.00
Part of Lot 3 Block 4 R2 Urban Renewal Addition	3/15/2018	336,108.00				336,108.00
Easements - Hickson						
Hickson Village Lot 8 BLK 11	5/11/2016	500.00				500.00
Easements - Oxbow						
Oxbow Parcel 57-0000-10356-070 - Pearson	10/13/2014	55,500.00	-	-	-	55,500.00
Easements - Diversion Inlet Control Structure						
15-0000-02690-020 - Cossette	6/1/2016	-	-	-	-	-
64-0000-02730-000 - Sauvageau	6/1/2016	1,113,101.57	-	-	-	1,113,101.57
64-0000-027400-000 - Duboard	9/15/2016	177,399.29	-	-	-	177,399.29
64-0000-02700-010 - Rheault	1/31/2017	2,243.06	-	-	-	2,243.06
15-141-49 NW1/4 160.00 AC **12-31-98 COMB FRM 44-0000-00580-000 & 44-0000-00570-000 - Larson Trust (Nygren)	6/20/2017	32,340.00	-	-	-	32,340.00
Southwest corner of County Road 17 S and 112th Avenue S (comdemnation) - SAUVAGEAU LIFE EST.	7/3/2019	1,189,220.00	-	-	-	1,189,220.00
16835 47 ST SE - Buster Farms LLLP		1,755.00	-	-	-	1,755.00
Terry and Kay Compson Trust	1/17/2020	1,204,858.00	-	-	-	1,204,858.00
Easements - Piezometer						
67-0000-12719-010 - Adams - OIN-1201	3/13/2017	1,500.00	-	-	-	1,500.00
Easements - Minesota						
Askegaard Hope Partnership	10/14/2016	1,542,370.79	-	-	-	1,542,370.79
Farmland Purchases						
SE 1/4 11-140-50 (Raymond Twp, ND) - Ueland	1/20/2014	959,840.00	-	-	-	959,840.00
2 Tracts in the E 1/2-2-137-49 - Sorby/Maier	1/24/2014	1,636,230.00	-	-	-	1,636,230.00
3 Tracts NW1/4 1-140-50, NW1/4 11-140-50, & S1/2 25-141-50 - Rust (OINs 0511,0512,0880,0897)	2/18/2014	3,458,980.70	-	-	-	3,458,980.70
11-140-50 NE1/4 (Raymond Twp) - Diekrager	4/15/2014	991,128.19	-	-	-	991,128.19
NW 1/4 36-141-50 - Monson	5/7/2014	943,560.05	-	-	-	943,560.05
W 1/2 SE 1/4 SW 1/4 & SW 1/4 SW 1/4 2-137-49 - Gorder	5/13/2014	321,386.00	-	-	-	321,386.00
SW 1/4-11-140-50 - Hoglund	7/21/2014	989,706.03	-	-	-	989,706.03
NW 1/4 14-140-50 - Hoglund	10/23/2014	948,782.22	-	-	-	948,782.22
SW 1/4 2-140-50 -Rust	10/29/2014	955,901.00	-	-	-	955,901.00
2-140-50 S 1/2 of NW 1/4 & Lot 4A - Pile	3/4/2015	594,108.00	-	-	-	594,108.00
Fercho Family Farms,	3/25/2015	464,600.00	-	-	-	464,600.00
W 1/2 NW 1/4 2-141-49 - Heiden	4/24/2015	433,409.00	-	-	-	433,409.00
(Raymond Twp) - Subdivision: Part of 23-140-50, 155.82 acres - Henke	6/17/2015	857,144.00	-	-	-	857,144.00
(Raymond Twp) - Subdivision: Part of Sec. 23., Less Gust Sub and Jason Sub T140N R50W - Henke	6/17/2015	339,071.00	-	-	-	339,071.00
15-141-49 NW1/4 160.00 AC **12-31-98 COMB FRM 44-0000-00580-000 & 44-0000-00570-000 - Larson Trust (Nygren)	6/20/2017	291,840.00	-	-	-	291,840.00

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of May 31, 2020

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
64-0000-02720-000 - Ulstad (Condemnation)	11/10/2016	1,221,931.50	-	-	-	1,221,931.50
Peter Biegler, Jr - OIN 9748	7/17/2017	250,185.00	-	3,175.00	-	253,360.00
19-141-49 NE 1/4 A 160.00 - Schoenberg Farms	7/18/2017	3,470,167.12	-	-	-	3,470,167.12
SHEY RIV - Chose	7/28/2017	60,128.07	-	-	-	60,128.07
W 1/2d 1/2 10-141-49 & NW 1/4 10-141-49 - Larson Family Farm Trust	8/1/2017	1,402,847.99	-	-	-	1,402,847.99
S1/2 W1/2 NW1/4 - Conyers	8/3/2017	33,150.00	-	-	-	33,150.00
27th St SE, between 169th Ave SE and I-29 - Nelson	8/3/2017	1,024,189.50	-	-	-	1,024,189.50
Meridian, Cass County, ND - Heiden Family, LLLP	8/4/2017	1,326,882.11	-	-	-	1,326,882.11
2368 173rd Ave SE & Rural Land Part of SE1/4 35-142-49, Wiser, ND - Kevin & Pamela Heiden	8/4/2017	614,439.02	-	-	-	614,439.02
20-141-49 SW 1/4 A 160.00 - Lloyd & Alice Amundson	8/9/2017	123,563.38	-	-	-	123,563.38
5251 174 1/2 Ave SE, Pleasant Township, ND 58047	8/18/2017	254,354.28	-	-	-	254,354.28
35-142-49 SW 1/4 A 160.00 - Burley _ OIN 1218	8/31/2017	167,091.47	-	-	-	167,091.47
S-1/2 of N1/2 of Section 36-142-49, Wayne & Gary Ohnstad_OIN 1223	12/13/2017	200,135.00	-	-	-	200,135.00
2-141-49 S 1/2 OF NE 1/4 & N 1/2 OF SE 1/4	12/20/2017	251,668.74	-	-	-	251,668.74
County Rd 32 between 167th Ave SE and 169th Ave SE, 25-141-50 NE 1/4	1/19/2018	831,853.08	-	-	-	831,853.08
County Rd 32 between 167th Ave SE and 169th Ave SE, 30-141-50 NW 1/4	3/23/2018	831,535.25		-	-	831,535.25
NE 1/4 Section 14 Township 140 North of Range 50 West of 5th Principle Meridian LESS the East 85 feet of said NE Quarter	2/22/2018	707,530.88	-	-	-	707,530.88
East Half (E1/2), Section 3 Township 141 North, Range 49 West	5/18/2017	733,126.76	-	-	-	733,126.76
NE Quarter of NE Quarter of Section 33 Township 138 North of Range 49	1/7/2019	587,650.00	-	-	-	587,650.00
Land Purchases						
Hayden Heights Land, West Fargo ND	10/12/2012	484,016.00	-	-	(730,148.14)	(246,132.14)
Lot 4, Block 4, ND R-2 Urban Renewal Addition, Fargo ND - Professional Associates	5/14/2015	39,900.00	-	-	-	39,900.00
BNSF Railway Company	10/28/2015	27,000.00	-	-	-	27,000.00
City of Fargo - OIN 2366 & OIN 2367	3/9/2017	1,022,533.30	-	-	-	1,022,533.30
Edwin and Margaret Ployhart OIN 8852	4/5/2017	5,121.18	-	-	-	5,121.18
Arthur Mathison RT OIN 1994	5/19/2017	750.00	-	-	-	750.00
Ideal Ag Corp OIN 9789 / 9790	5/25/2017	30,120.68	-	-	-	30,120.68
OIN 1195 / 1196 - Mark Thorson	9/15/2017	203,678.32	-	-	-	203,678.32
Block 1 W. Shorr Subdivision of Eagle Township (Lots 1,2,3,4,5,10,11,12,13,14,15,16)	2/28/2019	3,395,663.23	-	24582.11	-	3,420,245.34
NE Quarter of section 28 in Township 138 North of Range 49 West of the 5th Principle Meridian less the South 67 feet of the North 100 feet of the NE Quarter of section 28 Township 138 North of Range 49 West of 5th Principle Meridian, Auditors Lot 1 and East 33 feet	1/10/2019	2,158,545.00	-	-	-	2,158,545.00
Auditor's Lots 2, 3, 5 of the Southeast Quarter of Section 34, Township 138 North of Range 49 West	12/8/2018	724,254.52	-	-	-	724,254.52
The West One Half of the Southwest Quarter of the Southwest Quarter of Section Nine, Township 137, Range 49 West of the 5th Principle Meridian	1/8/2019	200,120.00	-	-	-	200,120.00
Southwest Quarter of Section 2 Township 141 North Range 49 West of the 5th Principle Meridian	2/13/2019	336,646.65	-	-	-	336,646.65
Southeast Quarter of Section 27, Township 140 North Range 50	2/25/2019	825,430.39	-	-	-	825,430.39
Railroad Outlot #3 situated in Sections 6 and 7, Township 139 North of Range 48 West of the 5th Principal Meridian	5/30/2019	8,072.00	-	-	-	8,072.00
Auditor's Lot No 2 of the Southwest Quarter of Section 34, Township 138, North of Range 49 West of the 5th Principle Meridian	7/3/2019	225,249.40	-	203,759.80	-	429,009.20
NE and SE quarter Section 9, Township 141 North, Range 49 West of the 5th Principal Meridian AND NE and NW Quarter section 16, Township 141 North, Range 49 West of the 5th Principle Meridian	8/1/2019	1,697,063.17	-	-	-	1,697,063.17
North Half of the NE Quarter section and the East Half of the NW Quarter of Section 2, Township 141 North of Range 49 West of the 5th Principle Meridian	8/1/2019	776,622.28	-	-	-	776,622.28
Auditors Lot 1 of the SW Quarter Section 34, in Township 138 North of Range 49 West of the Fifth Principal Meridian	6/13/2019	257,765.51	-	23,662.03	-	281,427.54
SW Quarter Section of Section 8, Township 141 North, Range 49 West of ther 5th Principle Meridian	11/7/2017	11,007.68	-	-	-	11,007.68
Government Lots 3 & 4 of Section 30, Township 138 North, Range 49 West of the 5th Principle Meridian	11/7/2019	1,160,482.00	-	-	-	1,160,482.00
Northwest Quarter of Section 25, Township 141 North, Range 50 West of the 5th Principle Meridian	11/27/2019	830,527.20	-	-	-	830,527.20
SW Quarter of Section 36 in Township 141 North of Range 50 West of the 5th Principle Meridian	11/27/2019	975,840.92	-	-	-	975,840.92
Auditors Lot 4 of the SW Quarter Section 34, in Township 138 North of Range 49 West of the Fifth Principal Meridian	11/27/2019	323,535.78	-	188,055.00	-	511,590.78
East Half of the NE Quarter of Section 254, Township 138 North Range 50 West of the 5th Principle Meridian	11/27/2019	12,431.73	-	-	-	12,431.73
SE Quarter Section of the NW Quarter of section Twenty, Township 137 of Range 49 West of the Fifth Principle Meridian	11/7/2019	846,828.57	-	9,963.36	-	856,791.93
East Half of the NE Quarter of Section 25, Township 138 North Range 50 West of the 5th Principle Meridian	12/26/2019	305,654.24	-	-	-	305,654.24
Lot One, In Block One of Bellmore First Subdivision	12/26/2019	828,373.27	-	-	-	828,373.27
South Half of Section 24, Township 141 North of Range 50	12/26/2019	1,660,379.20	-	-	-	1,660,379.20
SW Quarter of Section 8, Township 141 North Range 49 West of the 5th Principal Meridian and West Half of Section 17, Township 141 North Range 49 West of the 5th Pricipal Meridian	12/26/2019	60,830.60	-	-	-	60,830.60
NE Quarter of Section 27, Township 140 North Range 50 West of 5th Principal Merridian	12/26/2019	964,789.51	-	-	-	964,789.51
Government lot 7 situated in the South Half of the South Half of Section 6, Township 137 North Range 48 West	12/26/2019	428,021.46	-	-	-	428,021.46

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of May 31, 2020

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Relocation Assistance	Sale Proceeds	Total
South 812 Feet of the North 932 feet of NE quarter section 24, Township 137 North of Range 49 West of the 5th Principle meridian and Right of way situated in North Half of section 24 Township 137 North of Ranger 29 west of the 5th Principle Meridian	12/26/2019	448,700.79	-	-	-	448,700.79
North 120 feet and the North 598.14 feet of the South 868.14 feet of NE Quarter section 24, Township 137 North of Range 49 West of the 5th Principle Meridian and railroad Right of way N Half Section 24, Township 137 Norht Range 49 West lying southerly of the southerly line of Highway 81 and stio 100 feet wide lying east of, parrallel and adjacent to Right of way extendint form the East-West centerline of said Section to a line therin distant 1800 feet less 200 foot wide right of way Norht half of section 24 Township 137 North of Range 49	12/26/2019	726,354.36	-	-	-	726,354.36
7-137-48 DESC TRACT A 1.60 COM AT A PT WHICH IS 1985' E OF THE SW COR OF SD SEC 7 & SD PT IS THE TR PT OF BEG OF TR HEREINAFTER DESC;: THENCE WITH A DEFLECTION TO THE LEFT OF 90 DEG FOR A DIST OF 456.4'; THENCE WITH A DEFLECTION TO THE RIGHT OF 73 D*		820.00	-	-	-	820.00
Government Lot 1, Section 18, Township 137 North, Range 49 West of the Fifth Principal Meridian	10/29/2019	278,164.68	-	5,837.31	-	284,001.99
The west half of the SW Quarter Section 4, in township 137, range 49 West of the fifth Principal Meridian AND the south half of SW quarter of section 27 in township 139 north of Range 49 west of the fifth Principle Meridian AND North Half of SW quarter of Section 27, township 138 range 49 west of the 5th Principle meridian	4/1/2020	2,640,140.00	-	-	-	2,640,140.00
SW Quarter of Section 34, Township 138 North of Range 49 West of the Fifth Principle Meridian	4/1/2020	1,241,289.53	-	-	-	1,241,289.53
South Half of SE quarter of Section 3 in township 137 north of Range 49 West of the fifthe Principle Meridian	4/1/2020	472,135.00	-	-	-	472,135.00
Lot 1 Block 1 Schmitz and Brennan Subdivision (NW quarter of Section 10, Township 139 Range 50 West of the fifth Principle Meridian)	4/1/2020	413,907.88	-	-	-	413,907.88
East 100 acres of the west 202 acres in the north half of section 34, township 140 north of range 50 west of the fifth Principle Meridian	4/1/2020	505,635.00	-	-	-	505,635.00
Tract in NE quarter section 32, township 138 north, Range 49, West of the fifth Principle Meridan	4/30/2020	697,800.00	-	-	-	697,800.00
ROW: south half of NW quarter and the N half of the SW quarter of section 24 township 138 north, Range 50 west of the fifth Principle Meridian	4/30/2020	1,335,336.14	-	-	-	1,335,336.14
ROW: NW quarter of the NW quarter and the north half of the SQ quarter of the NW quarter and Governments lots 1 & 2 section 36 Township 142 North Range 49 West	4/30/2020	665,816.00	-	-	-	665,816.00
SW quarter and the South half of the south half of the NW quarter of section 5 in township 138 north of Range 49 West of the Fifth Principle Meridian	4/30/2020	1,250.00	-	-	-	1,250.00
North half of the SE quarter of section 3, Township 137 North, Range 49 West of the Fifth Principle Meridian	4/30/2020	893,008.11	-	-	-	893,008.11
Lot of Job Third Subdivision (A replat of Block 1, Job Second Subdivision of a part of the NE Quarter of Section 35, Township 137 North, Range 49 West	4/30/2020	736,482.37	-	-	-	736,482.37
Part of Lot 62, 63 and part of Lot 64, Oxbow Country Club and Estates	4/30/2020	1,500.00	-	-	-	1,500.00
NE and NW Quarter of Section 10 Township 139 North Range 50 West of the fifth Principle Meridian	4/30/2020	1,034,530.32	-	-	-	1,034,530.32
		125,042,879.70	-	35,151,751.88	(1,107,856.01)	159,086,775.57
			(32,000.00)		10,000.00	
					Property Management Expense	2,410,496.83
					Grand Total	**$ 161,497,272.40**

FM Metropolitan Area Flood Risk Management Project
In-Town Levee Work
as of May 31, 2020

Vcode #	Vendor Name	Descriptions	Contract Amount	Amount Paid
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	$ 909,149.49	$ 882,451.41
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	$ 17,612,237.19	$ 17,500,178.16
V02806	HMG	WP42 - Services During Construction	$ 6,185,022.82	$ 6,061,553.64
V02807	CCJWRD	In-Town Levee Work	$ 5,886,140.36	$ 5,886,140.36
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	$ 111,761.97	$ 111,761.97
V02823	Hoffman & McNamara Nursery & Lan	WP-42G General Landscaping and Planting	$ 486,502.29	$ 472,091.04
V02824	City of Fargo	COF – In-Town Flood Protection Debt Payments	$ 12,590,315.00	$ 12,590,315.00
V01703	Various	In-Town Property Purchases	$ 39,409,623.22	$ 38,192,183.71
V02825	Industrial Builders	WP-42E - 2nd Street South and Main Avenue Flood Mitigation	$ 8,585,709.07	$ 8,087,651.06
V05401	City of Fargo	FM15F2 - Harwood, Hackberry & River Drive - Demo/ Levee	$ 749,375.28	$ 749,375.28
V05402	City of Fargo	FM15K1 - Rosewood Addition - Demo/Levee/Floodwall	$ 2,622,612.82	$ 2,622,612.82
V05403	City of Fargo	HD18A1 - Oakcreek, Copperfield & University - Demo	$ 95,083.25	$ 95,083.25
V054XX	City of Fargo	In-Town Complementary Work - Reimbursements	$ 11,073,480.20	$ 11,073,480.20
			$ 157,881,346.12	$ 155,889,211.06

Fargo-Moorhead Metropolitan Area Flood Risk Management Project
State Water Commission Funds Reimbursement Worksheet
Fargo Flood Control Project Costs - HB1020 & SB2020

Time Period for This Request: March 1, 2020 - March 31, 2020

Drawdown Request No: 101	
Requested Amount:	**$ 1,432,479.03**
Total Funds Expended This Period:	2,417,309.06
Total Funds Requested at 100% Match	447,649.00
Remaining Funds Requested at 50% Match	1,969,660.06
SB 2020 Matching Requirements	50%
Total Funds Requested at 50% Match	984,830.03
Total Funds Requested:	**1,432,479.03**

STATE AID SUMMARY:		
Summary of State Funds Appropriated		
Appropriations from 2009 Legislative Session		$ 45,000,000
Appropriations from 2011 Legislative Session		30,000,000
Appropriations from 2013 Legislative Session		100,000,000
Appropriations from 2015 Legislative Session		69,000,000
Appropriations from 2015 Legislative Session - Interior Flood Control		60,000,000
Appropriations from 2017 Legislative Session		66,500,000
Anticipated appropriations to be funded in 2019 Legislative Session	66,500,000	
Anticipated appropriations to be funded in 2021 Legislative Session	66,500,000	
Anticipated appropriations to be funded in 2023 Legislative Session	66,500,000	
Anticipated appropriations to be funded in 2025 Legislative Session	66,500,000	
Anticipated appropriations to be funded in 2027 Legislative Session	66,500,000	
Anticipated appropriations to be funded in 2029 Legislative Session	47,000,000	
Total State Funds	379,500,000	370,500,000
Less: Payment #1 through #35 - City of Fargo		(55,510,209.00)
Less: Payment #1 - Cass County		(136,039.36)
Less: Payment #1 through #7 - Interior Flood Control		(60,000,000.00)
Less: Payment #1 through #28 - FM Diversion Authority		(38,049,107.00)
Less: Payment #29 through #75 - FM Metro Area Flood Risk Management Project		(93,470,290.00)
Less: Payment #76 - FM Metro Area Flood Risk Management Project		(433,312.97)
Less: Payment #77 - FM Metro Area Flood Risk Management Project		(11,892.35)
Less: Payment #78 - FM Metro Area Flood Risk Management Project		(244,521.99)
Less: Payment #79 - FM Metro Area Flood Risk Management Project		(255,691.15)
Less: Payment #80 - FM Metro Area Flood Risk Management Project		(121,908.95)
Less: Payment #81 - FM Metro Area Flood Risk Management Project		(105,433.98)
Less: Payment #82 - FM Metro Area Flood Risk Management Project		(135,130.77)
Less: Payment #83 - FM Metro Area Flood Risk Management Project		(13,901.70)
Less: Payment #84 - FM Metro Area Flood Risk Management Project		(558,592.20)
Less: Payment #85 - FM Metro Area Flood Risk Management Project		(229,746.00)
Less: Payment #86 - FM Metro Area Flood Risk Management Project		(6,421,825.21)
Less: Payment #87 - FM Metro Area Flood Risk Management Project		(59,863.29)
Less: Payment #88 - FM Metro Area Flood Risk Management Project		(6,650,000.00)
Less: Payment #89 - FM Metro Area Flood Risk Management Project		(973,992.33)
Less: Payment #90 - FM Metro Area Flood Risk Management Project		(1,294,793.15)
Less: Payment #91 - FM Metro Area Flood Risk Management Project		(88,136.44)
Less: Payment #92 - FM Metro Area Flood Risk Management Project		(2,835,957.03)
Less: Payment #93 - FM Metro Area Flood Risk Management Project		(750,500.56)
Less: Payment #94 - FM Metro Area Flood Risk Management Project		(6,250.00)
Less: Payment #95 - FM Metro Area Flood Risk Management Project		(111,960.91)
Less: Payment #96 - FM Metro Area Flood Risk Management Project		(3,699,516.47)
Less: Payment #97 - FM Metro Area Flood Risk Management Project		(1,954,126.65)
Less: Payment #98 - FM Metro Area Flood Risk Management Project		(4,111,403.41)
Less: Payment #99 - FM Metro Area Flood Risk Management Project		(114,099.62)
Less: Payment #100 - FM Metro Area Flood Risk Management Project		(98,001.53)
Less: Payment #101 - FM Metro Area Flood Risk Management Project		(1,432,479.03)
Total Funds Reimbursed		(279,878,683.05)
Total State Fund Balances Remaining		**90,621,316.95**

Fargo-Moorhead Metropolitan Area Flood Risk Management Project
State Water Commission Funds Reimbursement Worksheet
Fargo Flood Control Project Costs - HB1020 & SB2020

LOCAL MATCHING FUNDS SUMMARY:		
Matching Funds Expended To Date - FM Metro Area Flood Risk Management Project	$	90,429,021
Less: Match Used on Payment #1 through #35 - City of Fargo		(41,506,620)
Less: Match used on Payment #1 - Cass County		(136,039)
Less: Match Used on Payment #1-28 - FM Diversion Authority		(11,052,710)
Less: Match Used on Payment #29 - 75 - FM Metro Area Flood Risk Management Project		(22,172,839)
Less: Match Used on Payment #82 - FM Diversion Authority		(135,131)
Less: Match Used on Payment #83 - FM Diversion Authority		(13,902)
Less: Match Used on Payment #84 - FM Diversion Authority		(558,592)
Less: Match Used on Payment #85 - FM Diversion Authority		(229,746)
Less: Match Used on Payment #86 - FM Diversion Authority		(6,421,825)
Less: Match Used on Payment #87 - FM Diversion Authority		(59,863)
Less: Match Used on Payment #89 - FM Diversion Authority		(527,365)
Less: Match Used on Payment #90 - FM Diversion Authority		(355,580)
Less: Match Used on Payment #92 - FM Diversion Authority		(168,249)
Less: Match Used on Payment #93 - FM Diversion Authority		(223,766)
Less: Match Used on Payment #96 - FM Diversion Authority		(3,699,516)
Less: Match Used on Payment #97 - FM Diversion Authority		(778,204)
Less: Match Used on Payment #98 - FM Diversion Authority		(1,843,423)
Less: Match Used on Payment #100 - FM Diversion Authority		(98,002)
Less: Match Used on Payment #101 - FM Diversion Authority		(447,649)
Balance of Local Matching Funds Available	**$**	**0**

Finance Committee Bills from June 2020

Vendor	Description		
Cass County Joint Water Resource District	Diversion bills	$	2,416,101.37
Dorsey & Whitney	Legal services rendered through April 30, 2020	$	371,284.81
Ohnstad Twichell, P.C.	Professional services rendered	$	209,865.03
Cass County	Reimburse misc expenses for Executive Director	$	4,182.33
Total Bills Received through June 17, 2020		$	3,001,433.54

CASS COUNTY GOVERNMENT

Cass County
Joint Water
Resource
District

June 5, 2020

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

Dan Jacobson
Chairman
West Fargo, North Dakota

Rodger Olson
Manager
Leonard, North Dakota

Ken Lougheed
Manager
Gardner, North Dakota

Jacob Gust
Manager
Fargo, North Dakota

Keith Weston
Manager
Fargo, North Dakota

Greetings:

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

Enclosed please find copies of bills totaling $2,416,101.37 regarding the above referenced projects. The breakdown is as follows:

Metro Flood Diversion	$2,409,631.87
DPAC	369.00
Oxbow-Hickson-Bakke Ring Levee	6,100.50

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

Enclosures

Carol Harbeke Lewis
Secretary-Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrd@casscountynd.gov
casscountynd.gov

		METRO FLOOD DIVERSION RIGHT OF ENTRY/LAND ACQUISITION COST SHARE INVOICES						6/4/2020
Invoice	Invoice	Invoice		Project				
Paid	Date	No.		No.	Amount		Vendor	Description
					31.35		Cass County Joint WRD	Postage for formal offers
					105.75		Cass County Joint WRD	423 pages printed for formal offers
					140.50		Cass County Joint WRD	remailing of returned formal offer letter
					140.00		Cass County Joint WRD	NOI Postage costs
5/4/2020	4/25/2020	Y93E24170			40.33		UPS	Postage for formal offers
5/15/2020	4/24/2020				1,600.00		Patrick Hurley	crop damage on OIN 814 & 844
5/15/2020	4/24/2020				400.00		Mark Hiatt	crop damage on OIN 815
5/15/2020	5/15/2020				88,569.56		The Title Company	Bette J Deede Trust purchase
5/18/2020	4/30/2020	168393		90007	266.50		Ohnstad Twichell, P.C.	Legal-Basin project 2009
5/18/2020	4/30/2020	168400		130007	43,613.00		Ohnstad Twichell, P.C.	Legal-Diversion ROW Acquisition
5/18/2020	5/8/2020	168591		197007	1,890.50		Ohnstad Twichell, P.C.	Legal-ROE 2019-Corps Request
5/18/2020	5/8/2020	168588		187007	2,904.50		Ohnstad Twichell, P.C.	Legal-Bio/Geo Easements
5/18/2020	5/8/2020	168593		207007	6,284.60		Ohnstad Twichell, P.C.	Legal-Bio/Geo Easements - Court action
5/18/2020	4/30/2020	168405		160007	9,018.64		Ohnstad Twichell, P.C.	Legal-Channel Phase I
5/18/2020	4/30/2020	168406		160007	16,023.50		Ohnstad Twichell, P.C.	Legal-Channel Phase II
5/18/2020	4/30/2020	168407		160007	28,725.31		Ohnstad Twichell, P.C.	Legal-Channel Phase III
5/18/2020	4/30/2020	168443		207007	2,777.50		Ohnstad Twichell, P.C.	Legal-I-29 Grade Raise
5/18/2020	4/30/2020	168422		197007	520.50		Ohnstad Twichell, P.C.	Legal-ROW Wild Rice Structure
5/18/2020	4/30/2020	168414		187007	14,210.50		Ohnstad Twichell, P.C.	Legal-Southern Embankment
5/18/2020	4/30/2020	168410		170007	5,336.00		Ohnstad Twichell, P.C.	Legal-Upstream Mitigation Area
5/18/2020	4/30/2020	168423		197007	7,200.00		Ohnstad Twichell, P.C.	Legal-Western Tie Back
5/18/2020	4/29/2020	769693		38810.00005	118.50		Larkin Hoffman Attorneys	Legal-Newman signs/M Newman Trust condemnation
5/18/2020	4/29/2020	769692		38810.00004	3,160.00		Larkin Hoffman Attorneys	Legal-Richland/Cass apps for permit to enter land
5/18/2020	5/7/2020	23600		19706	180.00		Moore Engineering, Inc.	Task Order #12 - MOU Review
5/18/2020	4/29/2020	1989		2004	94,044.17		Houston Moore Group	Engineering - property acquisition services - TO 4
5/18/2020	4/29/2020	1990		2005	38,127.75		Houston Moore Group	Engineering - property acquisition services - TO 5
5/18/2020	4/17/2020	93388		R12.00049	7,170.86		Ulteig Engineers	Engineering - Task 1 - project management, ROW and Rel Asst
5/18/2020	2/29/2020	21269		3283-00	29,343.25		ProSource Technologies	Task Order #2-Proj mgmt and acquisition services
5/18/2020	4/30/2020	21388		3283-00	39,267.00		ProSource Technologies	Task Order #2-Proj mgmt and acquisition services
5/19/2020	4/29/2020	21923-G			16,000.00		Patchin Messner Valuation Counselors	Appraisals OIN 818, 1916 and 816, 817
5/21/2020	5/5/2020	9142001			123.24		Red River Valley Coop Power	Service to 16678 3rd St S Moorhead MN
5/18/2020	5/8/2020	1160310			137.07		Cass County Electric Cooperative	Service to 3703 124 Av S
5/18/2020	5/5/2020	1133018			149.78		Cass County Electric Cooperative	service on 4115 124 Ave S
5/18/2020	5/5/2020	1125415			73.33		Cass County Electric Cooperative	Service to 4510 112 Av S
5/18/2020	5/5/2020	1125656			64.14		Cass County Electric Cooperative	Service to 17554 Pfiffer Dr
5/18/2020	4/25/2020	15609			29.70		Cass Rural Water Users District	service on 4107 124th Ave S
5/18/2020	4/25/2020	16332			29.70		Cass Rural Water Users District	service on 4115 124 Ave S
5/18/2020	4/25/2020	16095			34.70		Cass Rural Water Users District	Service on 5150 170th Ave S
5/18/2020	4/25/2020	15311			34.70		Cass Rural Water Users District	Service on 17554 Pfiffer Dr
5/15/2020	5/15/2020				205,555.21		The Title Company	Cari Weidner Property purchase
5/19/2020	5/16/2020	Y93E214200			139.28		UPS	Postage for formal offers
5/29/2020					750.00		Dennis Smerud	Environmental Monitoring Easement
5/29/2020	5/23/2020	Y93E24210			41.34		UPS	Postage for formal offers
5/27/2020	5/27/2020				8,857.19		The Title Company	Marcella Felix property purchase
5/27/2020	5/27/2020				84,041.15		The Title Company	Carl Felix property purchase
5/27/2020	5/27/2020				772,945.64		The Title Company	Joan Thompson Family Trust property purchase
5/27/2020	5/27/2020				746,981.16		The Title Company	Catherine Furnberg property purchase
5/27/2020	5/27/2020				123,931.56		The Title Company	Wayne Diekrager property purchase
6/2/2020	5/22/2020	771221		38810.00005	829.50		Larkin Hoffman Attorneys	Legal-Newman signs/M Newman Trust condemnation
6/2/2020	5/22/2020	771220		38810.00004	7,189.00		Larkin Hoffman Attorneys	Legal-Richland/Cass apps for permit to enter land
6/2/2020	5/22/2020	771219		38810.00003	355.50		Larkin Hoffman Attorneys	Legal-V Anderson/Prairie Scale Systems
6/2/2020	5/25/2020	15609			29.70		Cass Rural Water Users District	Service to 4107 124th Ave S
6/2/2020	5/25/2020	16332			29.81		Cass Rural Water Users District	Service to 4115 124 Ave S
6/2/2020	5/25/2020	16095			34.70		Cass Rural Water Users District	Service to 5150 170 Av SE
6/2/2020	5/25/2020	15311			34.70		Cass Rural Water Users District	Service to 17554 Pfiffer Dr
				Total	**2,409,631.87**			
	DIVERSION PROJECT ASSESSMENT DISTRICT (DPAC) INVOICES							
Invoice	Invoice	Invoice		Project				
Paid	Date	No.		No.	Amount		Vendor	Description
5/18/2020	4/30/2020	168397		120007	369.00		Ohnstad Twichell, P.C.	Legal-Diversion project, Assessment district
				Total	**369.00**			

	OXBOW-HICKSON-BAKKE RING LEVEE INVOICES							
Invoice	Invoice	Invoice	Purchase	Project				
Paid	Date	No.	Order No.	No.	Amount		Vendor	Description
5/26/2020	1/31/2020	21156		2830-00	1,648.00		ProSource Technologies LLC	Oxbow Area Work Order - acquisition
5/26/2020	1/31/2020	21195		2830-00	1,030.00		ProSource Technologies LLC	Oxbow Area Work Order - acquisition
5/18/2020	4/30/2020	168401		140007	3,422.50		Ohnstad Twichell, P.C.	Legal-Oxbow-Hickson-Bakke Levee project
				Total	**6,100.50**			
				Grand Total	**2,416,101.37**			

DORSEY
DORSEY & WHITNEY LLP

MINNEAPOLIS OFFICE
612-340-2600

(Tax Identification No. 41-0223337)

STATEMENT OF ACCOUNT FOR PROFESSIONAL SERVICES

Fargo-Moorhead Flood Diversion Bd of Authority
c/o Erik R. Johnson & Associates, Ltd.
Attn: Erik Johnson
505 Broadway, Suite 206
Fargo, ND 58102

May 26, 2020
Invoice No. 3583277

Client-Matter No.: 491379-00001
Red River Diversion Project

For Legal Services Rendered Through April 30, 2020

INVOICE TOTAL

Total For Current Legal Fees	$365,816.00
Total For Current Disbursement and Service Charges	$5,468.81
Total For Current Invoice	**$371,284.81**

* Please refer to last page for any unpaid invoices and a current statement of account.

REMITTANCE

For your convenience, please remit payment to the address below or we offer the option of remitting payment electronically by wire transfer. If you have any questions regarding this information, please contact the lawyer you are working with on this project or Dorsey's Accounts Receivable Department at 1-800-861-0760. Thank you.

Mailing Instructions:
Dorsey & Whitney LLP
P.O. Box 1680
Minneapolis, MN 55480-1680

Wire Instructions:
U.S. Bank National Association
800 Nicollet Mall
Minneapolis, MN 55402

(This account is only for Wire/ACH payments)
ABA Routing Number: 091000022
Account Number: 1047-8339-8282
Swift Code: USBKUS44IMT

Please make reference to the invoice number

Service charges are based on rates established by Dorsey & Whitney. A schedule of those rates has been provided and is available upon request. Disbursements and service charges, which either have not been received or processed, will appear on a later statement.

ALL INVOICES ARE DUE 30 DAYS FROM DATE OF INVOICE UNLESS OTHERWISE EXPRESSLY AGREED BY DORSEY & WHITNEY

OHNSTAD TWICHELL, P.C.

Attorneys at Law

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

15-1395 JTS Invoice # 169026

Flood Diversion Board
Bond Counsel Work - PPP

Date: June 10, 2020

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

PROFESSIONAL SERVICES RENDERED

	Hours	Rate	Totals
JTS	118.7	$310.00	$36,797.00
CMM	5	$310.00	$1,550.00
ADC	68.3	$310.00	$21,173.00
LDA	8.7	$310.00	$2,697.00
RGH	49.8	$310.00	$15,438.00
KJB	107.4	$310.00	$33,294.00
TJL	120	$290.00	$34,800.00
CBC	93.5	$275.00	$25,712.50
LWC	2.9	$285.00	$826.50
SRH	4.2	$275.00	$1,155.00
ABG	19.4	$275.00	$5,335.00
JRS	0.2	$260.00	$52.00
KJD	52.5	$210.00	$11,025.00
LRC	1.5	$275.00	$412.50
EMM	24.3	$275.00	$6,682.50
JDR	15.9	$175.00	$2,782.50
AJR	49.4	$175.00	$8,645.00
CRA	2.4	$150.00	$360.00
Total Fees:	**744.1**		**$208,737.50**
Westlaw			$720.76
NDRIN			$79.00
Photocopies			$296.20
UPS			$31.57
Total Expenses:			**$1,127.53**
Grand Total			**$209,865.03**

		Rates
JTS	John T. Shockley, Partner, Supervising Attorney	$310.00
CMM	Christopher M. McShane, Partner	$310.00
ADC	Andrew D. Cook, Partner	$310.00
SNW	Sarah M. Wear, Partner	$310.00
RGH	Robert G. Hoy, Partner	$310.00
KJB	Katie J. Bertsch, Partner	$310.00
TJL	Tyler J. Leverington, Associate	$290.00
CBC	Calley B. Campbell, Associate	$275.00
LWC	Lukas W. Croaker, Associate	$285.00
SRH	Stephen R. Hanson, Associate	$275.00
ABG	Bo Gruchala, Associate	$275.00
JRS	J.R. Strom, Associate	$260.00
KJD	Kathryn J. DelZoppo, Associate	$210.00
LRC	Leah R. Carlson, Associate	$275.00
EMM	Elle M. Molbert, Associate	$275.00
BTB	Brent T. Boeddeker, Associate	$275.00
CAS	Carol A. Stillwell, Paralegal	$175.00
JDR	Joshua D. Roaldson, Paralegal	$175.00
AJR	Andrea J. Roman, Paralegal	$175.00
CRA	Christie R. Axness, Paralegal	$150.00
DLR	Dena L. Ranum, Legal Administrative Assistant	$150.00

COST ADVANCES BY US FOR YOUR ACCOUNT, FOR WHICH WE HAVE NOT BEEN BILLED, WILL APPEAR ON YOUR NEXT STATEMENT.

PROFESSIONAL SERVICES RENDERED

15-1395 JTS Invoice # 169026	Flood Diversion Board	Bond Counsel Work - PPP
FILE NUMBER	MATTER DESCRIPTION	INVOICE - TOTAL FEES
151395-1	General Topics (Includes General Governance Questions, Notices, etc.)	$13,323.50
151395-3	P3 Procurement	$21,016.50
151395-4	Public Finance Issues	$46,012.50
151395-5	Consultant Contract Review/Development	$2,548.00
151395-6	Support of External Litigation Counsel	$9,713.50
151395-7	Coordination with Member Entities	$70.00
151395-9	Environmental Permitting Issues/NEPA	$372.00
151395-10	Insurance Issues	$6,682.50
151395-11	Legislative Interface/Lobbying Support	$217.00
151395-12	USACE Interface/Questions	$1,306.00
151395-13	Third Party Utility MOU's	$64,337.50
151395-14	ICS Issues	$39,595.50
151395-17	EPA WIFIA Loan	$3,388.00
151395-20	USDOT PABs	$155.00
TOTAL		**$208,737.50**

CASS COUNTY GOVERNMENT
PO BOX 2806
211 9th STREET SOUTH
Fargo, ND 58108

DATE: 6/02/20

TO: CITY OF FARGO
PO BOX 2083
FARGO, ND 58107

CUSTOMER NO: 198/294 TYPE: CA - COUNTY AUDITOR

CHARGE	DATE	DESCRIPTION	REF-NUMBER	DUE DATE	TOTAL AMOUNT
	5/06/20	BEGINNING BALANCE			133,677.09
	5/26/20	PAYMENT			104,800.00-
	6/01/20	PAYMENT			28,877.09-
AUDIT	6/02/20	FM DIVERSION MAY INTEREST			65,970.58
AUDIT	6/02/20	FM DIVERSION PAYROLL EXPENSES			28,319.17
AUDIT	6/02/20	FM DIVERISON MISC EXPENSES			4,182.33

Submitted for approval at June board meeting

Current	30 days	60 days	90 days
98472.08			

DUE DATE: 7/02/20

PAYMENT DUE: 98,472.08
TOTAL DUE: $98,472.08

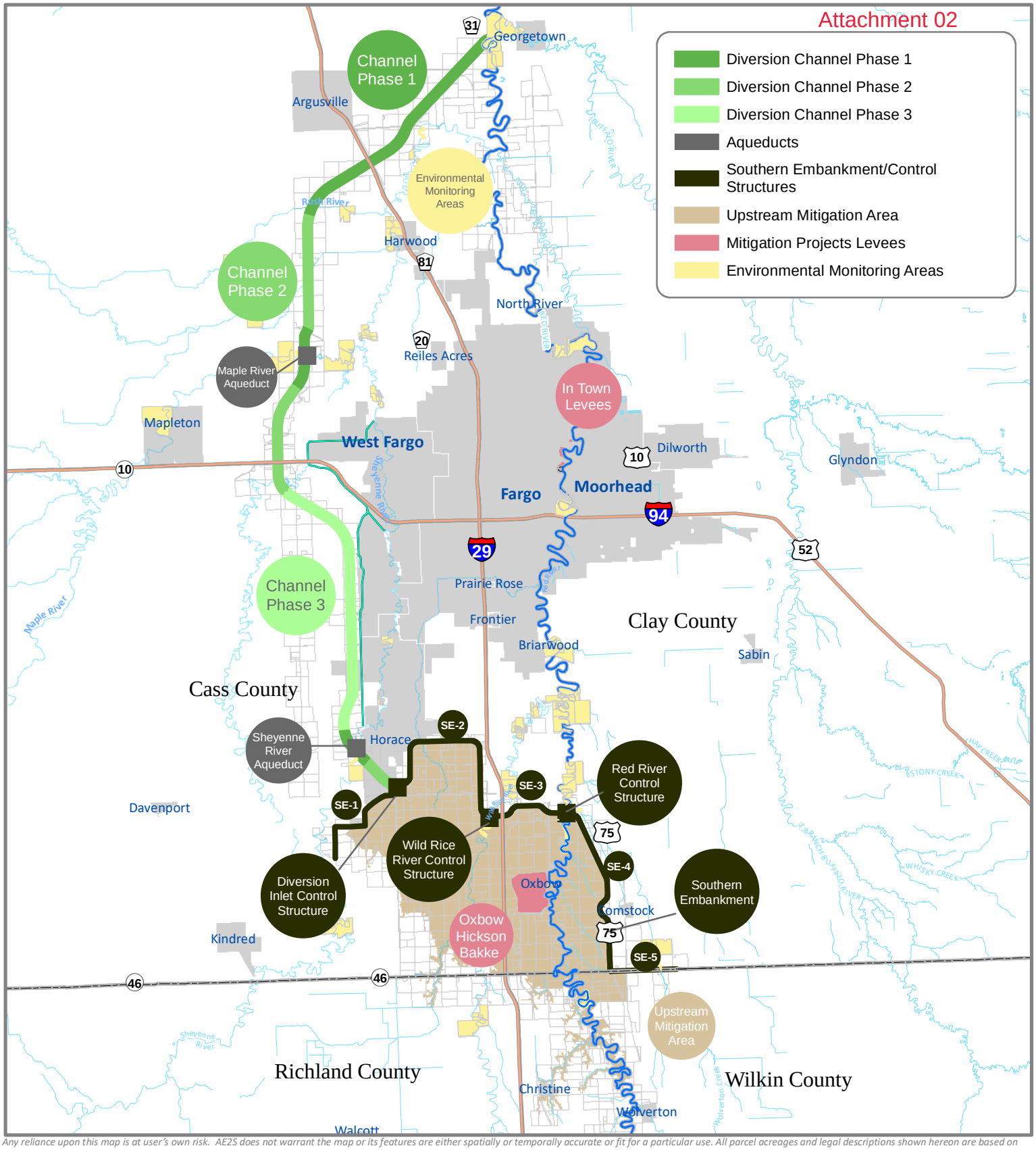
PLEASE DETACH AND SEND THIS COPY WITH REMITTANCE

DATE: 6/02/20 DUE DATE: 7/02/20 NAME: CITY OF FARGO
CUSTOMER NO: 198/294 TYPE: CA - COUNTY AUDITOR

REMIT AND MAKE CHECK PAYABLE TO:
CASS COUNTY FINANCE
211 9TH ST S
PO BOX 2806
FARGO ND 58108-2806
(701) 241-5606

TOTAL DUE: $98,472.08

Attachment 02



Any reliance upon this map is at user's own risk. AE2S does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use. All parcel acreages and legal descriptions shown hereon are based on County GIS data. Final acreages and legal descriptions to be determined by boundary survey.

Coordinate System: NAD 1983 UTM Zone 14N | Produced by: cwickenheiser - AE2S, Inc. | C:\Data\Projects\GIS Projects\FM Area Diversion\Projects\Land Acquisition\Project Work Package\!Project Wide\Overall LA Maps\PropertyAcquisitionSevenPhaseMap8x11.mxd

N

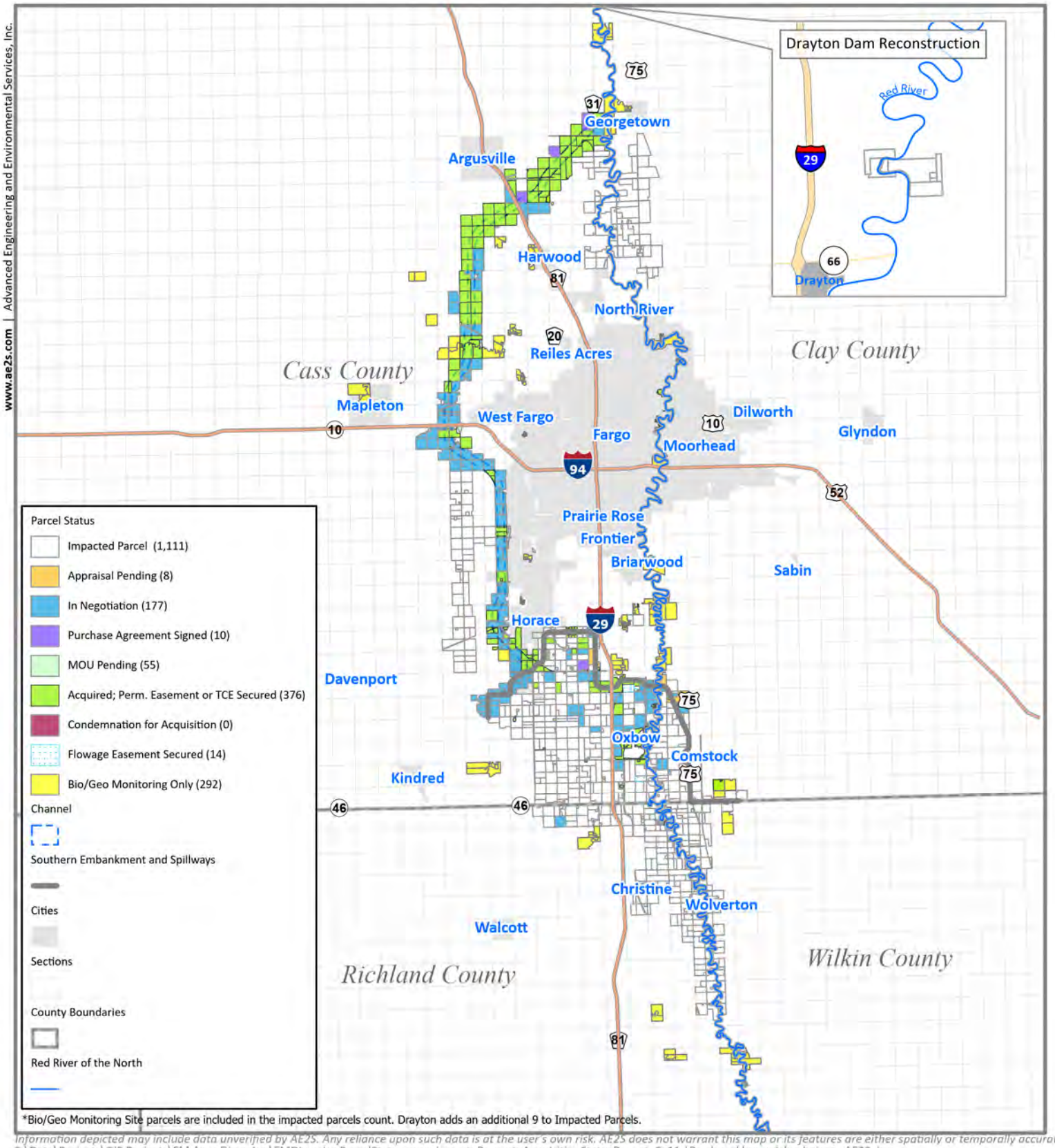
0 2.5 5

Miles

FM AREA DIVERSION KEY ACQUISITION AREAS

Map Date: 6/12/2020

FM AREA DIVERSION PROJECT



*Bio/Geo Monitoring Site parcels are included in the impacted parcels count. Drayton adds an additional 9 to Impacted Parcels.

Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.

C:\Data\Projects\GIS Projects\FM Area Diversion\FMDiversionParcelStatus.aprx, Layout: PropertyAcquisitionStatusReport_8x11 | Produced by: cwickenheiser - AE2S, Inc.

www.ae2s.com | Advanced Engineering and Environmental Services, Inc.

N

0 3.25 6.5

Miles

PROPERTY ACQUISITION STATUS REPORT

Date: 6/12/2020

FM AREA DIVERSION PROJECT

Cultural Mitigation Areas

FM AREA DIVERSION PROJECT

As of June 17, 2020

Sheyenne River Site #1

(32-CS-201)

OIN 547N

1 parcels total

(Part of Channel Phase 1)

Phase 3 Cultural Mitigation (Excavation) Complete

Sheyenne River Site #2

(32-CS-5126)

OIN 540N

1 parcel total

(Part of Channel Phase 1)

Phase 2 Cultural Investigation scheduled to commence June 23, 2020.

- *Appraisal Pending*
- *In Negotiation*
- *Agreement Signed*
- *Acquired Parcel*
- *Condemnation*
- *Change from last report*

North of Maple River Site

(32-CS-5139)

OIN 922

OIN 923

2 parcels total

(Part of Channel Phase 1)

Phase 2 Cultural Investigation complete.

Archaeological Monitoring required during construction.

South of Maple River Site

(32-CS-5127)

OIN 924N

1 parcels total

(Part of Channel Phase 1)

Phase 3 Cultural MItigation (Excavation) Complete

Drain 14 Site

(32-CS-5135) Target Completion: Spring 2020

OIN 936

1 parcel total

(Part of Channel Phase 2)

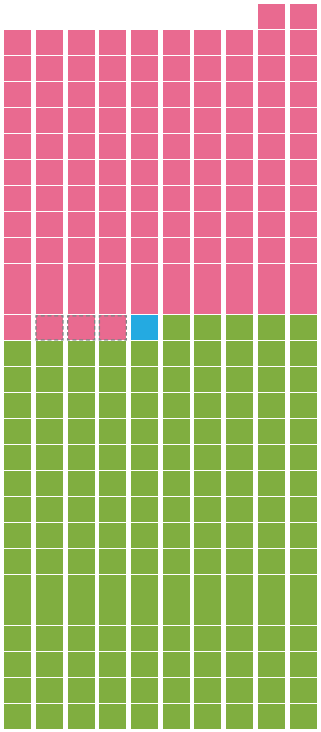
Phase 2 Cultural Investigation in work. Preliminary Cultural Borings scheduled to commence June 23,2020 by Beaver Creek Archeology (BCA). ROE extended through 12/31/2020.

Environmental Monitoring Areas (BIOGEO)

As of June 17, 2020

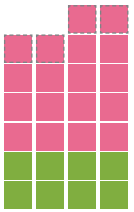
North Dakota | Minnesota

Cass County



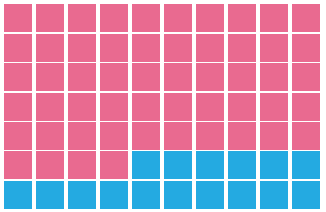
269 parcels total

Richland County



26 parcels total

Clay County



70 parcels total

Wilkin County

10 parcels total

- *Easement Document in Work*
- *ROE Granted*
- *USACE Easement Bounds In Work*
- *Preliminary COS In Work*
- *In Negotiations*
- *Bio/Geo Easement Secured*
- *Change from last report*
- *On Hold*

Hard Costs paid to Property Owners

Note: Based on financial data through May

$400K budgeted

$129.8K* spent

*includes payments for monuments and easements.

- *Budgeted*
- *Purchase Agreement*
- *Spent*

Diversion Channel

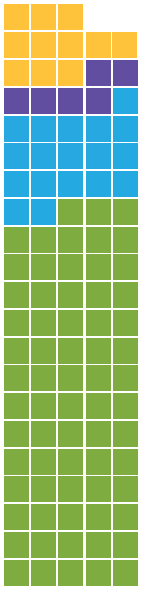
FM AREA DIVERSION PROJECT

As of June 17, 2020

Phase 1

(WP LAP01)

Target Completion:
Fall 2020



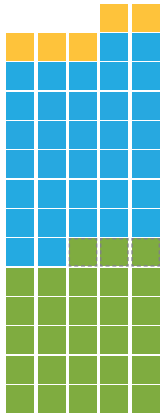
103 parcels total

- *11 MOU Pending*
- *18 In Negotiation*
- *6 Agreement Signed*
- *68 Acquired Parcel/ TCE Secured*
- *0 Condemnation*
- *Change from last report*

Phase 2

(WP LAP02)

Target Completion:
Fall 2020



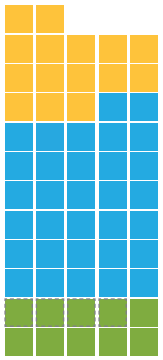
67 parcels total

- *5 MOU Pending*
- *34 In Negotiation*
- *0 Agreement Signed*
- *28 Acquired/TCE Secured*
- *0 Condemnation*
- *Change from last report*

Phase 3

(WP LAP03)

Target Completion:
Fall 2020

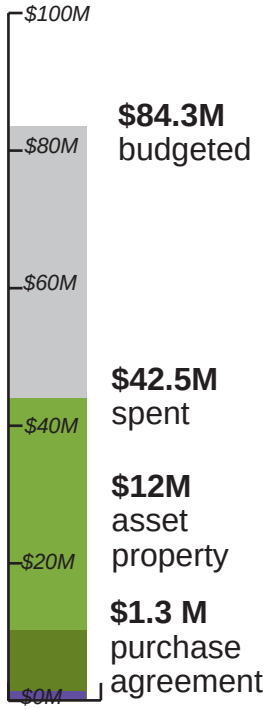


57 parcels total

- *15 MOU Pending*
- *32 In Negotiation*
- *0 Agreement Signed*
- *10 Acquired Parcel/TCE Secured*
- *0 Condemnation*
- *2 Mitigation*
- *Change from last report*

Hard Costs paid to Property Owners

NOTE: Based on Financial data through May



- *Budgeted*
- *Purchase Agreement*
- *Spent*
- *Asset Property*

Southern Embankment Control Structures

FM AREA DIVERSION PROJECT

As of June 17, 2020

Diversion Inlet Control Structure

(WP 26)
Targeted Completion: Complete

8 parcels total

- *0 MOU Pending*
- *0 In Negotiation*
- *0 Agreement Signed*
- *8 Acquired/ TCE Secured*
- *Condemnation*
- *Change from last report*

Wild Rice Control Structure

(WP 30)
Target Completion: Complete

"Option" Parcels

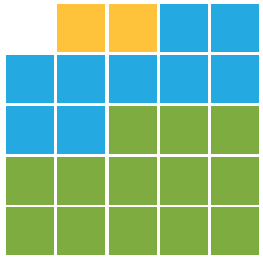
"Base" Parcels

4 parcels total

- *0 Appraisal Pending*
- *0 In Negotiation*
- *0 Agreement Signed*
- *4 Acquired/ TCE Secured*
- *Changed from last report*

Red River Control Structure

(WP 35)
Target Completion:
July 2021



24 parcels total

- *2 Appraisal Pending*
- *9 In Negotiation*
- *0 Agreement Signed*
- *13 Acquired/ TCE Secured*
- *Changed from last report*

Southern Embankment

FM AREA DIVERSION PROJECT

As of June 17, 2020

Southern Embankment

(WP Reach SE-1 to SE-5 and I29)
Targeted Completion: September 2025

115 parcels total

SE-1 Target Completion: Sept. 2020

SE-2 Target Completion: Nov. 2021 & Oct. 2022

SE-3 Target Completion: Sept. 2025

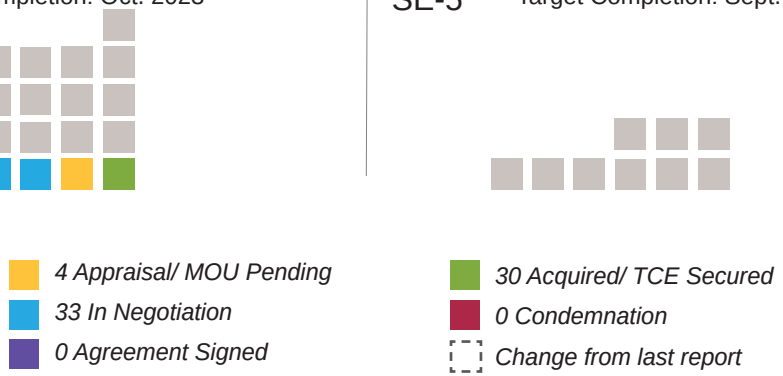
I29 Target Completion: Sept. 2020

ND

MN

SE-4 Target Completion: Oct. 2023

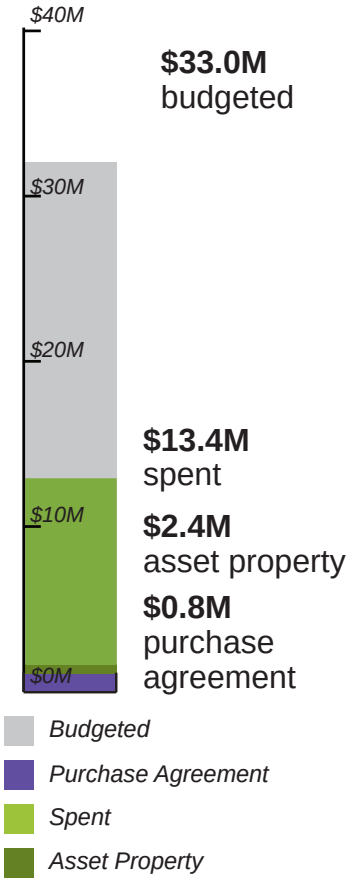
SE-5 Target Completion: Sept. 2024



Southern Embankment & Control Structures

Hard Costs paid to Property Owners

Note: Based on financial data through May



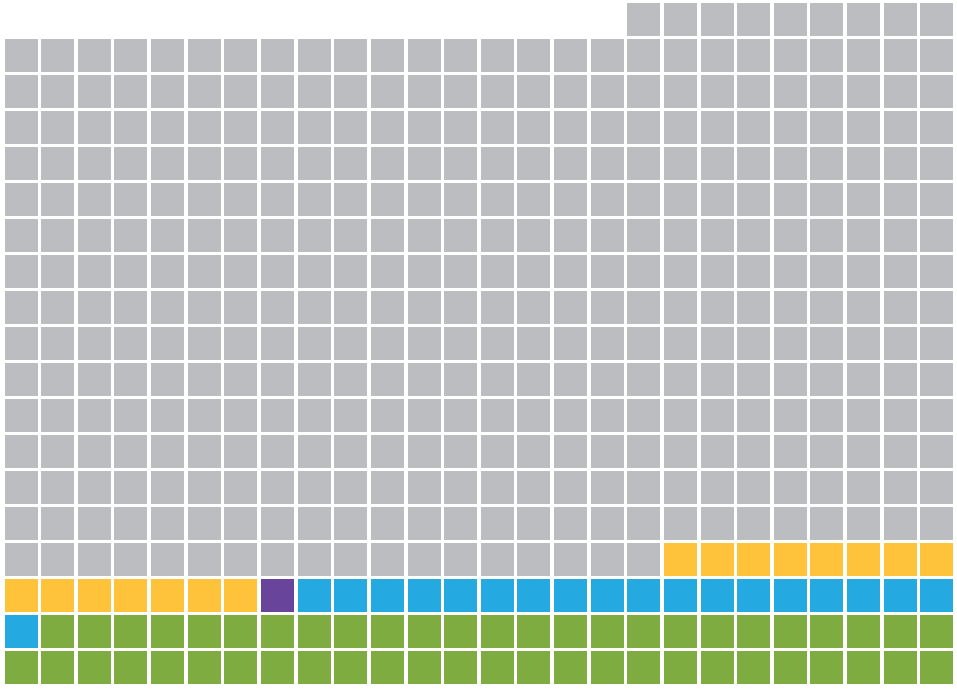
Upstream Mitigation Area-ND (UMA)

FM AREA DIVERSION PROJECT

As of June 17, 2020

Flowage Easements without structures (ND)

Approximately 478 parcels in ND



- *15 Appraisal/MOU Pending*
- *19 In Negotiation*
- *1 Agreement Signed*
- *10 Flowage Easement Secured*
- *41 Acquired*
- *0 Condemnation*
- *Changed*

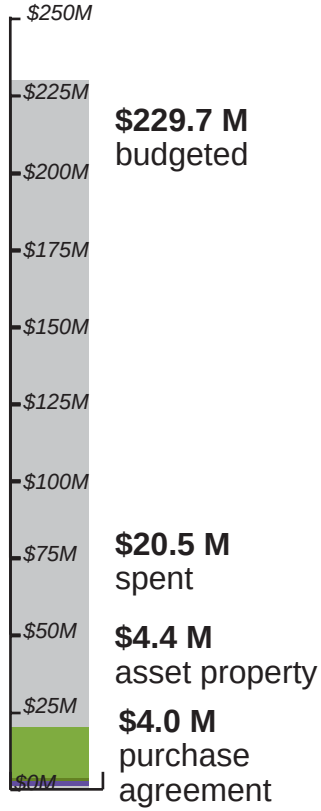
Flowage Easement Structure Sites (ND)

Approximately 133 parcels in ND

- *7 Appraisal/MOU Pending*
- *19 In Negotiation*
- *0 Agreement Signed*
- *16 Acquired*
- *0 Flowage Easement Secured*
- *Condemnation*
- *Changed*

ND + MN UMA Hard Costs paid to Property Owners

Note: Based on financial data through May



$229.7 M budgeted

$20.5 M spent

$4.4 M asset property

$4.0 M purchase agreement

- *Budgeted*
- *Purchase Agreement*
- *Spent*
- *Asset Property*

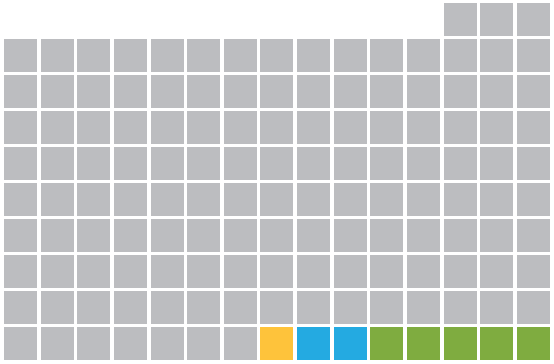
Upstream Mitigation Area-MN (UMA)

FM AREA DIVERSION PROJECT

As of June 17, 2020

Flowage Easements without structures (MN)

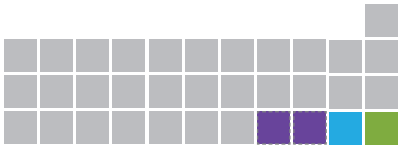
Approximately 138 parcels in MN



- *1 Appraisal/MOU Pending*
- *2 In Negotiation*
- *0 Agreement Signed*
- *4 Flowage Easement Secured*
- *1 Acquired*
- *0 Condemnation*
- *Changed*

Flowage Easement Structure Sites (MN)

Approximately 33 parcels in MN



- *0 Appraisal/MOU Pending*
- *1 In Negotiation*
- *2 Agreement Signed*
- *0 Flowage Easement Secured*
- *1 Acquired*
- *Condemnation*
- *Changed*

OHB Projects

As of June 17, 2020

OHB Ring Levee

WP 43

Parcels needed for remaining portion of OHB Project.

11 parcels remaining

- 0 Appraisal Pending
- 10 In Negotiation
- 1 Agreement Signed
- 0 Acquired Parcel
- 0 Condemnation
- Changed from last report

Hard Costs paid to Property Owners

$80.2M budgeted

$78.2M spent*

$0.0M purchase agreement

** Includes parcels purchased outside the OHB Ring Levee*

- Budgeted
- Purchase Agreement
- Spent
- Asset Property

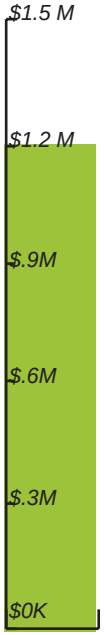
Hickson Main Ave ROW

WP 43D5

4 parcels total

- 0 Appraisal Pending
- 0 In Negotiation
- 0 Agreement Signed
- 4 Acquired Parcel
- 0 Condemnation
- Changed from last report

Hard Costs paid to Property Owners



$1.2 M budgeted

$1.2 M spent

$1.2 M purchase agreement

- Budgeted
- Purchase Agreement
- Spent
- Asset Property

Attachment 03

www.ae2s.com

June 17, 2020

Mr. Joel Paulsen
Executive Director
FM Area Diversion Project
207 4th Street North, Suite A
Fargo, ND 58102

RE: Easement for Cell Tower Relocation Required for Diversion Project

Dear Mr. Paulsen,

The Fargo-Moorhead Area Diversion Project (Project) requires the relocation of a cell phone tower owned by SBA Communications Corporation ("SBA") that is currently located within the footprint of the proposed diversion channel. The cell phone tower is considered a utility impacted directly by the Project, and therefore, it must be relocated at the expense of the Diversion Authority.

Through negotiations and coordination with SBA, a number of potential relocation sites were explored. After analyzing the sites, an agreement between SBA and the engineers representing the Diversion Authority was reached that a site on OIN 728 is the most suitable location for relocating the cell phone tower, and the cell phone service providers that utilize the tower have given their approval of the replacement site. For information, OIN 728 was recently acquired by CCJWRD for the Project and is available to accommodate this cell tower.

To facilitate the utility relocation, an easement will be required between CCJWRD and SBA. It is recommended that the Diversion Authority concur with CCJWRD granting an easement on OIN 728 to SBA for the purposes of facilitating this utility relocation.

Please find two attached maps, showing the current and proposed cell tower locations, and the proposed easement area.

Respectfully,

Eric C. Dodds
Lands Program Manager

c: Paul Barthel

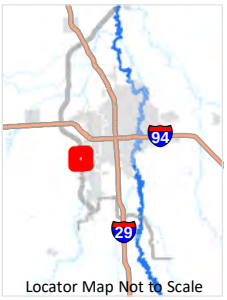
www.ae2s.com | Advanced Engineering and Environmental Services, Inc.

Any reliance upon this map is at user's own risk. AE2S does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use.
All parcel acreages and legal descriptions shown hereon are based on County GIS data. Final acreages and legal descriptions to be determined by boundary survey.

Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet | Produced by: hrecords - AE2S, Inc. |
C:\Data\Projects\GIS Projects\FM Area Diversion\Projects\P3 Contractors Maps\OIN 728 East Cell Tower Relocation Option.mxd

N

0 330 660 1,320
Feet



Cell Tower Relocation Option

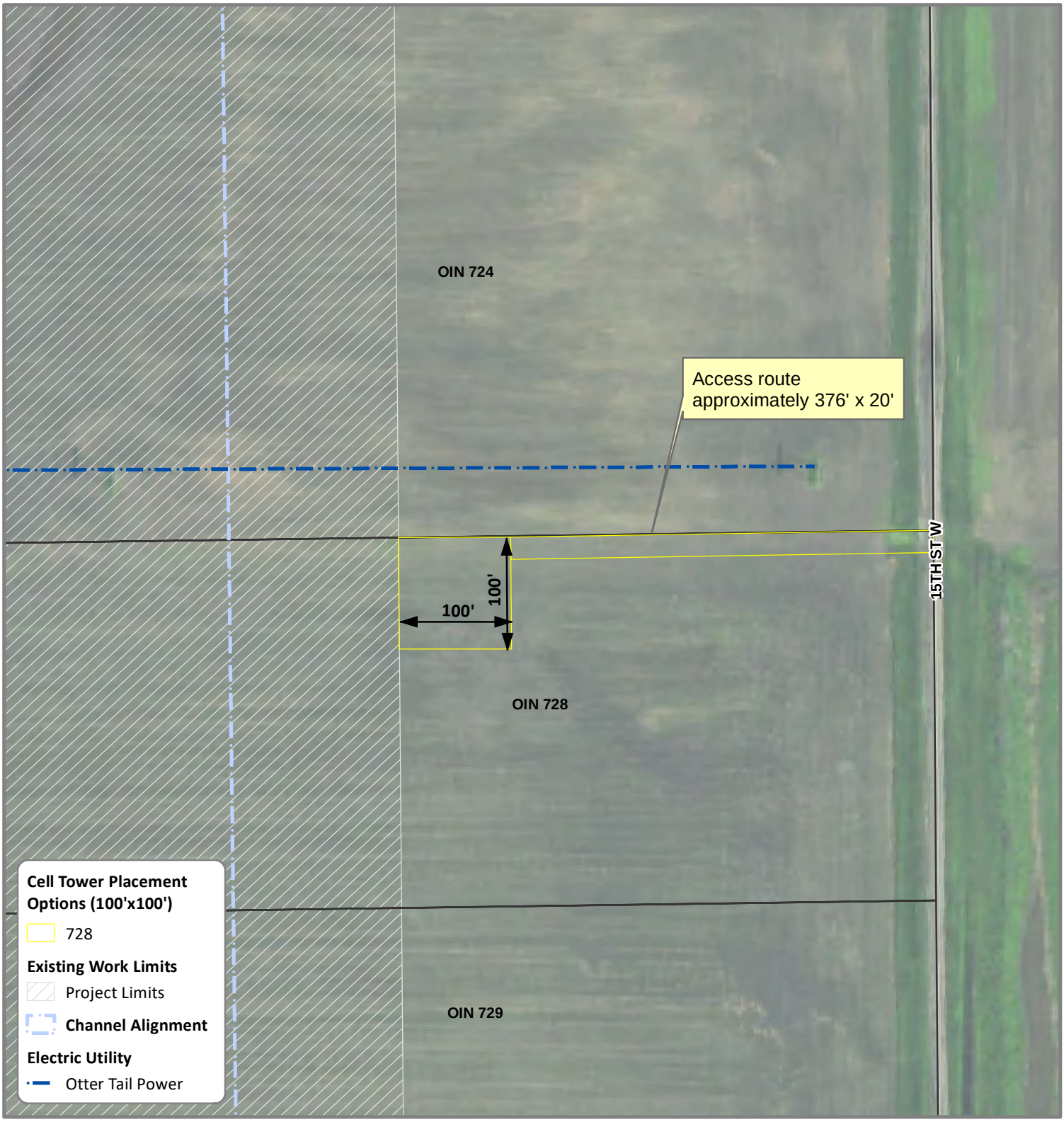
SBA Tower on OIN 728

Parcel ID: 53-0000-09180-020
Cass County, ND

FM AREA DIVERSION
Map Date: 4/9/2020

FM AREA DIVERSION PROJECT

www.ae2s.com | Advanced Engineering and Environmental Services, Inc.

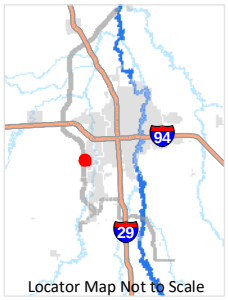


Any reliance upon this map is at user's own risk. AE2S does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use.
All parcel acreages and legal descriptions shown hereon are based on County GIS data. Final acreages and legal descriptions to be determined by boundary survey.

Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet | Produced by: cwickenheiser - AE2S, Inc. |
C:\Data\Projects\GIS Projects\FM Area Diversion\Projects\P3 Contractors Maps\OIN 728 East Cell Tower Relocation OptionZoomIn.mxd

N

0 35 70 140
Feet



Locator Map Not to Scale

Cell Tower Relocation Option

SBA Tower on OIN 728

Parcel ID: 53-0000-09180-020
Cass County, ND

FM AREA DIVERSION
Map Date: 6/8/2020

FM AREA DIVERSION PROJECT

Executive Director Contracting Recommendation

Date: 06/15/2020

RECOMMENDATION FOR ACTION:

The Executive Director has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016 and amended August 23, 2018, the Owner's Program Management Consultant (PMC) or Engineer of Record (EOR) is directed to prepare task orders and task order amendments for existing Master Services Agreements (MSA) and submit them to the Executive Director for review and action.

The Owner's PMC has prepared the following Contract Action(s):

Houston-Moore Group, LLC (HMG)

Task Order 1, Amendment 16: Insurance $249,931.77

- Reimburse HMG for the cost of Professional Liability Insurance and all required Tail Insurance

BACKGROUND AND DISCUSSION:

Under Task Order 1, Houston-Moore Group, LLC (HMG) is responsible for: providing overall project management of Engineer design teams and subcontractor design teams; coordinating with the Owner and Program Management Consultant (PMC); providing public involvement assistance, and providing on-call services when requested. HMG has provided these professional services from March 8, 2012, to the present time.

The Diversion Authority shall reimburse HMG for the cost of Professional Liability Insurance and all required Tail Insurance Policies per Section 27 (C)(7) of the MSA that became effective April 1, 2020. The current insurance policy period is from March 13, 2020 to March 12, 2021. The reimbursable amount has been prorated to only include the policy on and after April 1, 2020.

The table below summarizes the contracting history for this task order and the current contracting action.

SUMMARY OF CONTRACTING HISTORY AND CURRENT CONTRACT ACTION:

	Budget Change	Initial or Revised Project Cost	Project Start	Project Completion	Comments
Task Order 1 Amendment 0	$ -	$961,175	8-Mar-12	30-Sep-12	Initial authorization of subtasks A through C.
Task Order 1 Amendment 1	$1,075,000	$2,036,675	10-Oct-12	30-Sep-13	Added subtask D. Insurance, and funding for subtasks A.i (Project Management) and A.ii (Public Involvement Assistance).
Task Order 1 Amendment 2	$36,000	$2,072,675	10-Jan-13	30-Sep-13	Added meetings and funding under A.i (Project Management).
Task Order 1 Amendment 3	$350,000	$2,422,675	10-Sep-13	30-Sep-14	Extended POP for All Work to 30-Sep-14, and added funding for subtask A.i (Project Management).
Task Order 1 Amendment 4	$65,000	$2,487,675	13-Feb-14	30-Sep-14	Added funding and reallocated existing funding within subtasks.

	Budget Change	Initial or Revised Project Cost	Project Start	Project Completion	Comments
Task Order 1 Amendment 5	$920,000	$3,407,675	14-Aug-14	30-Sep-15	Extended POP for All Work to 30-Sep-15, and added funding for subtasks A.i (Project Management) and D. (Insurance).
Task Order 1 Amendment 6	$450,000	$3,857,675	14-Aug-15	31-Mar-16	Extended POP for All Work to 31-Mar-16, and added funding for subtasks A.i (Project Management), A.ii (Public Involvement Assistance), and D. (Insurance).
Task Order 1 Amendment 7	$398,000	$4,255,675	11-Mar-16	31-Dec-16	Add funding for subtasks A.i (Project Management) and A.ii (Public Involvement Assistance). Add insurance requirement for 2016. Add requirements for monthly schedule updates invoicing and status reporting. Extends POP for All Work through 31-Dec-16.
Task Order 1 Amendment 8	$15,100	$4,270,775	23-Jun-16	31-Dec-16	Increase Subtask D (Insurance) to cover actual 2016 insurance cost and updated the programmatic schedule activity ID for Project Management subtasks.
Task Order 1 Amendment 9	$109,752	$4,380,527	11-Aug-16	31-Dec-16	Add budget for additional monthly reporting and scope and budget for completed work packages GIS submittals.
Task Order 1 Amendment 10	$790,000	$5,170,527	01-Jan-17	31-Dec-17	Extend POP for All Work through 31-Dec-17 and add 2017 scope and budget.
Task Order 1 Amendment 11	$143,038	$5,313,565	01-Jan-17	31-Dec-17	Incorporate new MSA terms and conditions dated May 01, 2017, and adjust budgets to reflect new MSA billing rates.
Task Order 1 Amendment 12	$575,310.05	$5,888,875.05	01-Jan-18	31-Dec-18	Extend POP through 31-Dec-18 and add 2018 budget.
Task Order 1 Amendment 13	$771,640	$6,660,515.05	01-Jan-19	31-Dec-19	Add 2019 budget, reallocate portions of unused budgets, and extend POP through 31-Dec-19.
Task Order 1 Amendment 14	$0	$6,660,515.05	01-Jan-20	28-Feb-20	Extend the POP to February 28, 2020.
Task Order 1 Amendment 15	$501,073	$7,161,588.05	29-Feb-20	31-Dec-20	Add budget and extend the POP to December 31, 2020
Task Order 1 Amendment 16	$249,931.77	$7,411,519.82	29-Feb-20	31-Dec-20	Reimbursement of the cost of Professional Liability Insurance and all required Tail Insurance.

FINANCIAL CONSIDERATIONS:

Amendment 16 to Task Order 1 is a $249,931.77 cost increase to reimburse HMG for the cost of Professional Liability Insurance and all required Tail Insurance per Section 27 (C)(7) of the MSA that became effective April 1, 2020.

TASK ORDER 01 BUDGETS BY SUBTASK:

Subtask (Work Order #)		Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
A.i	Project Management	SW-1160	5,812,250	0	5,812,250
A.ii	Public Involvement Assistance	SW-1160	333,945	0	333,945
B.	Project Controls	SW-1160	484,635	0	484,635
C.	On-Call Services	SW-1160	35,122	0	35,122
D.	Insurance	SW-1160	495,636.05	249,931.77	745,568
TOTAL			**7,161,588.05**	**249,931.77**	**7,411,519.82**

The PMC prepared this task order amendment, and feels the information is accurate, complete, and ready for Executive Director review.

ATTACHMENT(S):

1. Task Order No. 1, Amendment 16

Prepared by: Program Management Consultant

Kristopher Grigg

Kristopher Grigg
Jacobs

6/15/2020
Date

Submitted by:

Joel Paulsen Diversion Authority Executive Director
Concur: *Non-Concur:*

Cc: Technical Advisory Group

- Nathan Boerboom, City of Fargo Engineer/Diversion Authority Project Manager
- David Overbo, Clay County Engineer
- Jason Benson, Cass County Engineer
- Robert Zimmerman, Moorhead City Engineer
- Matt Stamness, Assistant Cass County Engineer/Diversion Authority Project Manager
- Dustin Scott, West Fargo City Engineer

This is Task Order No. 1, Amendment 1~~5~~6, consisting of 5 pages.

Houston-Moore Group, LLC

Task Order No. 1, Amendment 1~~5~~6

MFDA Purchase Order No. 151232

Project Management

In accordance with the Master Agreement for Professional Services related to the Fargo-Moorhead Area Diversion Project by and between Metro Flood Diversion Authority, as Diversion Authority ("Owner") and Houston-Moore Group, LLC (HMG) ("Engineer"), dated May 01, 2017 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 1 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude Engineer from invoicing for work authorized under prior versions of this Task Order and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

1. Specific Project Data
    - A. Title: Project Management
    - B. Description: Provide overall project management of Engineer design teams and subcontractor design teams, coordinate with Owner and Program Management Consultant (PMC), and provide public involvement assistance.
    - C. Background:
        - i. Project Management will be led by two lead Project Managers, who will report to and work closely with the PMC to plan, organize, and direct activities required to implement the project. The lead Project Managers will have primary responsibility for satisfactory completion of assigned Task Orders. Engineer will assist Owner with the Owner's public involvement process. Such assistance is anticipated to include, at the request of Owner or PMC, attending public meetings, preparing exhibits, displays, and presentations for public meetings, meeting with individuals or agencies, and other task to be determined.
        - ii. Provide project controls, including general scheduling and reporting, compliance with USACE, Owner, and PMC guidelines and protocols, schedule management, and invoicing.
        - iii. Provide on-call services as requested by Owner or PMC for tasks not included in defined scopes.
2. Services of Engineer
    - A. Project Management
        - i. General responsibilities for this task include, but are not limited to, the following:
            1. Provide the primary points of contact with the PMC.
            2. Provide overall project management to satisfactorily complete assigned Task Orders.
            3. Attend Project technical (TAG, TWG, LSLCTT, etc.) and board (Diversion Authority and CCJWRD) as requested by Owner or PMC to support coordination with Diversion Authority and USACE staff.

DRAFT

4. Provide day-to-day management oversight of Engineer's Design Consultant Teams (DCTs) for assigned Task Orders.

ii. Public Involvement Assistance: General responsibilities for this task include, but are not limited to, the following:

1. Attend public meetings and meetings with individual property and business owners. For requested public events, attend and give project presentations.
2. Prepare exhibits, displays, and presentations for public meetings.
3. Develop project animations of staging area and function of Diversion.
4. Provide up to 8 staff for individual meetings with residents in the upstream staging area communities of Oxbow, Hickson, and Bakke.
5. Meet with individuals or agencies, and other tasks determined by Owner or PMC.

Deliverables

i. Monthly reports

B. Project Controls: Responsibilities for this task include, but are not limited to, the following:

i. General

1. Establish and maintain task order cost and schedule reporting systems.
2. Prepare budget and schedule reports, implement cost and schedule variance reporting systems, and issue periodic variance reports.
3. Establish and maintain a change control system.
4. Track and report status for each task order.

ii. USACE/Diversion Authority Compliance

1. Develop Project Management Guide/Protocols Document
2. Develop Project Specific Safety Plan
3. Develop Project Document Controls/Standards
4. Develop Quality Assurance Plan (QAP)
5. Develop survey standards

iii. Schedule Management

1. Review and monitor task order schedules.
2. Implement a schedule reporting system, which will monitor and manage the progress of project tasks on a monthly basis.
3. Provide monthly schedule update.
    a. PMC will provide a P6 schedule prior to the last Friday of each month.
    b. Engineer will update the actual start and finish dates and provide estimated expected finish dates based on their work progress.
    c. Monthly schedule updates will be provided by Engineer to PMC by the first Friday of the subsequent month (within one week of month end).

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iv. GIS Final Design Submittals

1. Provide project record GIS final design submittals for completed work packages. Submittals include GIS files for completed WP-42 (In-Town Levees) designs, WP-43 (Oxbow-Hickson-Bakke Ring Levee) designs, and Diversion Bridge Channel designs (WP-02 CR-31 Bridge, WP-04 I-29 and Hwy 81 Bridges, WP-07 CR-32 and CR-22 Bridges).

Deliverables

i. Prepare and submit project controls budget and schedule updates for monthly reports, and monthly invoices.

ii. GIS final design submittals.

C. On-Call Services: Respond to requests for services from PMC for tasks not included in defined scopes. Requests will be provided by PMC in writing. Work will not be performed by Engineer without authorization by PMC or Owner.

Deliverables

i. On-call service deliverables as requested.

D. Insurance: Maintain throughout this task order the required insurance as set forth by the Agreement.

i. The Diversion Authority shall reimburse HMG for the cost of Professional Liability Insurance and all required Tail Insurance Policies per Section 27 (C)(7) of the MSA that became effective April 1, 2020.

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in the Agreement.

4. Times for Rendering Services

Phase	Start Time	Completion Time
All Work	March 8, 2012	December 31, 2020

5. Payments to Engineer

A. Owner shall pay Engineer for services rendered as follows:

i. Compensation for services identified under Subtasks A through D shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Paragraph 14 of the Agreement.

ii. The total compensation for services identified under the Task Order for Subtasks A through D is not-to-exceed amount as defined in the table below.

1. Engineer will notify Owner when eighty percent (80%) of the budget on Subtasks A.i, A.ii, B, or C is expended.

2. Engineer will prepare and submit an amendment for additional compensation when ninety percent (90%) of budget on Subtasks A.i, A.ii, B, or C is expended.

3. Engineer will not perform work beyond one hundred percent (100%) of the budget for Subtasks A.i, A.ii, B, or C without Owner's written authorization.

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Subtask (Work Order #)		Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
A.i	Project Management	SW-1160	5,812,2505~~,373,305~~	0~~438,945~~	5,812,2505~~,812,250~~
A.ii	Public Involvement Assistance	SW-1160	333,945~~308,487~~	0~~25,458~~	333,945~~333,945~~
B.	Project Controls	SW-1160	484,635~~447,965~~	0~~36,670~~	484,635~~484,635~~
C.	On-Call Services	SW-1160	35,122~~35,122~~	0~~0~~	35,122~~35,122~~
D.	Insurance	SW-1160	495,636.05~~495,636.05~~	249,931.770	745,568~~495,636.05~~
TOTAL			**6,660,515.056~~,660,515.05~~**	**249,931.775~~01,073~~**	**7,411,519.82~~7,161,588.05~~**

B. Compensation and payments are as per the Agreement effective May 01, 2017.

C. When invoicing work, Engineer shall note the Activity ID (shown in table above) associated with each invoiced activity.

6. Consultants:

   A. Barr Engineering Company
   B. Braun Intertec Corporation
   C. HDR, Inc.
   D. Kadrmas, Lee & Jackson
   E. Northern Technologies, Inc.
   F. SRF Consulting Group, Inc.

7. Other Modifications to Agreement: None

8. Attachments: None

9. Documents Incorporated By Reference: ~~None~~

   A. HMG Amendment 16, Dated June 12, 2020

DRAFT

10. Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.
11. Electronic Signatures. **Fargo-Moorhead Flood Diversion Authority** and **Houston-Moore Group, LLC**, agrees that the electronic signature to this **Task Order No. 26, Amendment 4 Work-In-Kind (WIK)** shall be as valid as an original signature of **Fargo-Moorhead Flood Diversion Authority** and **Houston-Moore Group, LLC** and shall be effective to bind the signatories to this **Task Order No. 26, Amendment 4 Work-In-Kind (WIK)**. For purposes hereof: (i) "electronic signature" means a manually signed original signature that is then transmitted by electronic means or an electronic acknowledgment which provides the signatory the ability to validate and affix a digital signature that is then transmitted by electronic means; and (ii) "transmitted by electronic means" means sent in the form of a facsimile or sent via the internet as a portable document format ("pdf") or other replicating image attached to an electronic mail or internet message.

~~9.~~12.

The Effective Date of this Task Order is March 8, 2012.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Joel Paulsen Name
President Title	Executive Director Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Nathan Boerboom Name
Sr. Project Manager Title	Diversion Authority Project Manager, City of Fargo Title
925 10th Avenue East West Fargo, ND 58078 Address	225 4th Street North Fargo, ND 58102 Address
cgthielman@houstoneng.com E-Mail Address	nboerboom@cityoffargo.com E-Mail Address
(701) 237-5065 Phone	701) 476-6743 Phone
Fax	Fax

DRAFT

Received June 12, 2020

HMG

FM Metro Risk Management Project
Task Order No. 1 - Amendment No. 16

Task	Activity Description	Cost Per Task
	Subtask D. Insurance	
D	Insurance - The Diversion Authority shall reimburse HMG for the cost of Professional Liability Insurance and all required Tail Insurance Policies per Section 27 (C)(7) of the MSA that became effective April 1, 2020. The current insurance policy period is from March 13, 2020 to March 12, 2021. The reimbursable amount has been prorated to only include the policy on and after April 1, 2020.	$ 249,931.77
	Subtask D Total	$ 249,931.77
	Grand Totals	$ 249,931.77

MARSH & McLENNAN AGENCY

---------- I N V O I C E ----------

Houston Moore Group LLC
925 10th Ave E
West Fargo, ND 58078

Print Date 03/16/20
Bill-to Code HOUSTMOORE

Named insured: Houston Moore Group LLC **Amount Remitted: $**

Make checks payable to: Marsh & McLennan Agency LLC

Invoice No.	Effective Date	Policy Period	Coverage Description	Transaction Amt
1097598	03/13/20	03/13/20 to 03/13/21	Continental Casualty Company Renewal Policy No. AEH288371384 *Professional Liability	161,130.00
			Inv Order#: 800*1366605 **Amount Due:**	**161,130.00**
1097649	03/13/20	03/13/20 to 03/13/21	Starr Surplus Lines Insurance Company Renewal Policy No. 1000199290191 *Professional Liability	100,513.00
			*ND Surplus Lines Taxes	2,013.35
			Inv Order#: 800*1366637 **Amount Due:**	**102,526.35**

***Premiums Due and Payable on Effective Date**

---------- I N V O I C E ----------

Houston Moore Group LLC
925 10th Ave E
West Fargo, ND 58078

Print Date 03/16/20
Bill-to Code HOUSTMOORE

Make checks payable to: Marsh & McLennan Agency LLC

Invoice No.	Effective Date	Policy Period	Coverage Description	Transaction Amt
			Payment by ACH/Wire: Routing #: - ACH: 071000039 - Wire: 026009593 Account #: 8188193262 Account Name: Marsh & McLennan Agency LLC Bank: Bank of America 2000 Clayton Road Concord, CA 94520-2425 **Payment by credit card:** www.securfee.com/marshmma Third party fee will apply. **Payment by check:** Marsh & McLennan Agency 62886 Collection Center Drive Chicago, IL 60693-0628 **Questions? Call:** Fargo office 701-237-3311	
			Grand total:	263,656.35

365 days of insurance policy from 03/13/20 thru 03/12/21
19 days from 03/13/20 thru 03/31/20 - Not reimbursable to FMDA
346 days from 04/01/20 thru 03/12/21 - Reimbursable to FMDA (346/365)*$263,656.35 = $249,931.77

***Premiums Due and Payable on Effective Date**

MULTIPLE INVOICE

--------- I N V O I C E ----------

Houston Moore Group LLC
925 10th Ave E
West Fargo, ND 58078

Print Date 03/16/20
Bill-to Code HOUSTMOORE

Make checks payable to: Marsh & McLennan Agency LLC

Note: if you are not paying all items, please indicate those which you are paying below.

Invoice No.	Effective Date	Transaction Amount	Remittance
1097598	03/13/20	161,130.00	_____
1097649	03/13/20	102,526.35	_____

Invoice No.	Effective Date	Transaction Amount	Remittance

***Premiums Due and Payable on Effective Date**

Executive Director Contracting Recommendation

Date: 06/15/2020

RECOMMENDATION FOR ACTION:

The Executive Director has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016 and amended August 23, 2018, the Owner's Program Management Consultant (PMC) or Engineer of Record (EOR) is directed to prepare task orders and task order amendments for existing Master Services Agreements (MSA) and submit them to the Executive Director for review and action.

The Owner's PMC has prepared the following Contract Action(s):

Houston-Moore Group, LLC

Task Order 16 Amendment 13 – Permit Submittal Preparation and Other Related Services $240,480

- Add additional budget to support Subtask 2.B: responding to CLOMR submittal comments and preparation and support of other Federal, State, and Local permits and Subtask 2.B: Permit Support for 2nd Street Downtown Levee Certification (LOMR).

BACKGROUND AND DISCUSSION:

Under Task Order 16, Houston-Moore Group, LLC (HMG) is responsible for multiple permit applications and related services for the Project, including but not limited to: the overall project CLOMR/LOMR submittal and WP-42 CLOMR/LOMR, the overall 404 Permit and WP-43 404 Permit, ND and MN state permits and 401 Water Quality Certifications, floodplain permitting, and other permits as required for the construction of the FM Diversion Project. HMG has provided these professional services under Task Order 16 from October 10, 2013, to the present time.

This amendment adds additional budget to support Subtask 2.B: responding to CLOMR submittal comments and preparation and support of other Federal, State, and Local permits and Subtask 2.B: Permit Support for 2nd Street Downtown Levee Certification (LOMR).

The table below summaries the contracting history for this task order and the current contracting action.

SUMMARY OF CONTRACTING HISTORY AND CURRENT CONTRACT ACTION:

Original Agreement or Amendment	Budget ($) Change	Initial or Revised Project Cost	Project Start	Project Completion	Comments
Task Order 16 Amendment 0	$ -	$ 205,000	10-Oct-13	30-Sep-14	Initial authorization of All Work.
Task Order 16 Amendment 1	$0	$205,000	14-Aug-14	30-Sep-15	Extended POP to 30-Sep-15.
Task Order 16 Amendment 2	$0	$205,000	14-Aug-15	31-Mar-16	Extended POP to 31-Mar-16.

Original Agreement or Amendment	Budget ($) Change	Initial or Revised Project Cost	Project Start	Project Completion	Comments
Task Order 16 Amendment 3	$100,000	$305,000	11-Mar-16	31-Dec-16	Adds scope and budget to develop and prepare FEMA CLOMR, and the MN and ND Dam permit applications. Adds requirements for monthly invoicing and status reporting. Extends POP to 31-Dec-16.
Task Order 16 Amendment 4	$50,000	$355,000	11-Aug-16	31-Dec-16	Adds scope and budget to review existing ordinances, and draft post Project floodplain ordinances.
Task Order 16 Amendment 5	$116,000	$471,000	10-Nov-16	31-Dec-17	Adds scope and budget to prepare the 2nd St CLOMR Submittal and additional support for the overall FM Diversion CLOMR and staging area Mitigation Plan. Extends POP to 31-Dec-17
Task Order 16 Amendment 6	$228,000	$699,000	23-May-17	31-Dec-17	Adds scope and budget for SEAI, Dam mitigation, and DCAI project permitting services, WP-42I Michelson LOMR submittal, additional scope and budget for the project CLOMR review, and additional scope and budget to support the MDNR work group.
Task Order 16 Amendment 7	$260,865	$959,865	30-Oct-17	31-Dec-18	Incorporate MSA terms and conditions, adjust budget remaining as of May 1, 2017, add additional budget to support the Governor's task force, and extend POP to December 31, 2018.
Task Order 16 Amendment 8	$349,790	$1,309,655	18-Jan-18	31-Dec-18	Add additional budget to support the Governor's task force.
Task Order 16 Amendment 9	$147,300	$1,456,955	25-Jul-18	31-Dec-18	Add additional budget to support the MDNR dam permit and SEIS, and revised FEMA CLOMR.
Task Order 16 Amendment 10	$110,290	$1,567,245	12-Dec-18	31-Dec-19	Add 2019 budget to support the MDNR dam permit and a revised FEMA CLOMR, and extend the POP to December 31, 2019.
Task Order 16 Amendment 11	$117,500	$1,684,745	07-Jun-19	31-Dec-19	Add additional budget to support responding to CLOMR submittal comments and preparing BRRWD and NDSWC permit applications.
Task Order 16 Amendment 12	$127,530	$1,812,275	06-Dec-19	31-Dec-20	Delete Subtask 2.A scope and budget, add additional budget to Subtask 2.B, and extend POP to December 31, 2020.
Task Order 16 Amendment 13	$240,480	$2,052,755	06-Dec-19	31-Dec-20	Additional budget to support Subtask 2.B: responding to CLOMR submittal comments and preparation and support of other Federal, State, and Local permits and Permit Support for 2nd Street Downtown Levee Certification (LOMR).

FINANCIAL CONSIDERATIONS:

The PMC prepared the attached draft task order amendment and HMG provided the attached cost proposal. Compensation for services in this task order are billed on a time and materials basis. The PMC reviewed HMG's cost proposal. The hourly rates for the labor categories in the proposal comply with 2019 approved MSA labor rates. Below is a summary of that review.

1. Subtask 2.B - Allowance for Permit Submittal Preparation and Acquisition Support:
    a. Activities under this subtask include preparation of permit applications and coordination with regulatory agencies throughout the permit processing period from initial permit application through permit issuance.
    b. HMG's budget under this subtask has been exhausted and additional services are needed to support responding to CLOMR re-submittal comments, and for preparation and support of other federal, state, and local permits:
        1. General Permit Support: CLOMR - addressing FEMA comments; USACE and Sponsor Coordination; H&H and mapping updates and comment responses; and coordinating public notices. Work also includes general permit applications and support, such as OSE permits for WP42 and WP43 features and SEAI and DCAI features
        2. 2nd Street/Downtown LOMR: Developing LOMR documentation for 2nd Street Downtown levees and floodwalls to meet FEMA certification guidelines. This includes reaches WP42F1N, WP42F1S, WP42E, WP42F2, WP42A3, and pump stations WP-42A1 and WP-42A2 (5th Avenue/Railroad to 2nd Street S). Certification will include compiling the necessary FEMA documentation following NFIP Regulations 65.10. It is expected that the design calculations and reports from the designs have been previously prepared and will be compiled through this effort.
    c. To provide these additional services, HMG has estimated an additional 1,408 hours of labor at an average rate of approximately $171 per hour for a budget of $240,480.

The subtask budgets for this task order are listed in the table below.

TASK ORDER 16 BUDGETS BY SUBTASK:

Subtasks		Activity ID	Current Budget ($)	Amendment ($)	Total ($)
2.A	Permitting Schedules	SW-1190	18,150	-18,150	0
2.B	Allowance for Permit Submittal Preparation and Acquisition Support	SW-1190	1,692,331	240,480	1,932,811
2.B.1.c.3	Development of Post Project Floodplain Ordinances	SW-1190	59,444		59,444
2.C	On-Call Services	SW-1190	60,500		60,500
Total			**1,830,425**	**222,330**	**2,052,755**

The PMC prepared this task order amendment and feels the information is accurate, complete, and ready for Executive Director review.

ATTACHMENT(S):

1. DRAFT Task Order 16 Amendment 13
2. HMG cost proposal received May 27, 2020

Prepared by: Program Management Consultant

Kristopher Grigg — 6/16/2020

Kristopher Grigg
Jacobs

Date

Submitted by:

Joel Paulsen

Joel Paulsen
Diversion Authority Executive Director

Concur: X *Non-Concur:*

Cc: Technical Advisory Group

- Nathan Boerboom, City of Fargo Engineer/Diversion Authority Project Manager
- David Overbo, Clay County Engineer
- Jason Benson, Cass County Engineer
- Robert Zimmerman, Moorhead City Engineer
- Matt Stamness, Assistant Cass County Engineer/Diversion Authority Project Manager
- Dustin Scott, West Fargo City Engineer

This is Task Order No. 16, Amendment 13~~2~~, consisting of 7 pages.

Houston-Moore Group, LLC

Task Order No. 16, Amendment 13~~2~~

MFDA Purchase Order No. 167178

Permit Submittal Preparation and Other Related Services

In accordance with the Master Agreement for Professional Services between Fargo-Moorhead Flood Diversion Authority ("Owner") and Houston-Moore Group, LLC (HMG) ("Engineer"), dated May 1, 2017 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 16 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude ENGINEER from invoicing for work authorized under prior versions of this Task Order and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

1. Specific Project Data

   A. Title: **Permit Submittal Preparation and Other Related Services**

   B. Scope of Services: The scope of work for this Task Order includes permitting for the Fargo-Moorhead Area Diversion Project (Project). The anticipated major permit submittals for the Project shall be as requested by Owner, and may include, but are not limited to:

      B.1. Major Permits:

         B.1.a. 404 Individual Permit

            i. WP-43 Oxbow/Hickson/Bakke Levees

            ii. Remainder of Project for North Dakota and Minnesota

         B.1.b. 401 Certification for North Dakota and Minnesota

         B.1.c. Floodplain Permitting

         B.1.d. FEMA CLOMR

         B.1.e. MN DNR Dam Safety

         B.1.f. ND SWC Dam Construction

      B.2. Other Permits:

         B.2.a. Identify other permits required for Work Packages 42 and 43

      B.3. The following items are not included in Engineer's Scope of Services:

         B.3.a. Permit submittal fees

2. Services of Engineer

   A. **Subtask A - Permitting Schedule – NOT USED**

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B. **Subtask B - Allowance for Permit Submittal Preparation and Acquisition Support**

Objective: The objective of this subtask is to prepare permit submittals in accordance with the associated schedule and to coordinate with regulatory agencies throughout the permit processing period from initial permit submittal through permit issuance.

B.1. **Permit Submittal Preparation:** The deliverables listed below are the permits anticipated. The following description of potential permits is assumed as the basis for Engineer's permitting effort. The deliverables listed are subject to change. The scope of work and budget presented in this Task Order are for permit submittals listed below as required.

B.1.a. **404 Permitting Submittal Preparation and Processing**

B.1.a.1 Prepare the permit submittal based on the information obtained from the Final Environmental Impact Statement (FEIS), Supplemental Environmental Assessment (EA), supporting National Environmental Policy Act (NEPA) documentation, and submit to the Corps. Interaction with the Corps will continue throughout their consultation with other agencies and until the issuance of the permit.

B.1.a.2 Meet periodically with the Omaha District Corps in Fargo, ND or at their District offices in Bismarck, ND.

B.1.a.3 Provide meeting follow-up, responding to Corps' questions and providing additional information, as required.

B.1.a.4 Provide follow-on coordination with the Corps prior to the date of permit submittal delivery.

- Gather and format appropriate FEIS information needed to complete the 404 Permit.
- Gather and format information from other (non-EIS) sources for incorporation into the permit submittal, including the addresses of adjacent property owners and a listing of other certifications and required approvals.

B.1.b. **401 Water Quality Certification Submittal Preparation and Processing**

B.1.b.1 The 401 Water Quality Certification is required for North Dakota and Minnesota approval and authorization of the Corps 404 Permit.

B.1.b.2 Prepare the 401 Water Quality Certifications, along with associated items as requested.

B.1.c. **Floodplain Permitting**

B.1.c.1 Coordinate with the local floodplain administrators to discuss the project and potential effects to floodplains.

B.1.c.2 Prepare documentation associated with floodplain permitting, as required.

B.1.c.3 Develop Post Project Floodplain Ordinances: Draft post Project floodplain ordinances for review and approval by local jurisdictions (Cities of Fargo and Moorhead and Cass and Clay Counties).

- Review existing floodplain ordinances and conduct up to four review meetings with local jurisdictions.
- Develop draft floodplain ordinances, including preliminary mapping based on Phase 8 modeling and planned Project operations, and conduct up to four meetings with local jurisdictions.

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- Revise draft floodplain ordinances based on input and comments from local jurisdictions, and conduct four outreach meetings with local jurisdictions.

B.1.d. **Additional Permits**

B.1.d.1 In general, the major requirements for agency review to acquire permits are a permit submittal along with design drawings.

B.1.d.2 Prepare the permit submittals under this Task Order.

B.1.d.3 The development of Final Design drawings and floodway mapping that are required to be submitted with the permit submittal will occur under other Task Orders.

Deliverables:

- 404 Permit Submittal
- 401 Water Quality Certification Submittal
- Floodplain Permit submittals
- FEMA 2nd Street North CLOMR submittal
- FEMA Overall FM Diversion CLOMR submittal
- MN DNR Dam Safety submittal
- ND SWC Dam Construction submittal
- Draft and Final Post Project Floodplain Ordinances
- FEMA Mickelson Field and Levee projects LOMR submittal
- Wild Rice Dam removal submittal
- Drayton Dam Removal submittal
- SEAI Permit package

B.2. **Permit Acquisition Support Services:** Provide the following general permit acquisition support services as requested by Owner.

B.2.a. Engage in meetings, other communication, and coordination with regulatory agencies as needed to provide information or clarification required to facilitate a timely processing of permit submittal.

B.2.b. Provide responses to regulatory agency comments or questions regarding submittal.

B.3. **Minnesota DNR Permits, Governors' Task Force:** A Governor's task force has been established to develop design principles and concept-level engineering solutions to achieve balanced flood risk management for the Fargo-Moorhead region, including up- and downstream communities and properties. Provide the following services to support the task force:

B.3.a. Alternative Evaluations: Provide H&H unsteady flow modeling of proposed alternatives to the Project. Alternatives include but are not limited to: Southern Embankment, Flows Through Town, Ring Levees.

B.3.b. Deliverables include: mapping, calculation of floodplain acreages, calculation of impacted structures, upstream and downstream impacts, and cost estimates.

B.3.c. Preparation for and attend Task Force and Technical Advisory Group meetings as requested by the Diversion Authority.

C. **Subtask C - On-Call Services**

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Objective: This subtask includes additional services not included in defined scopes.

C.1. **On-Call Services:**

C.1.a. Respond to requests for services from Owner for tasks not included in defined scopes.

Deliverables:

- On-Call Services as requested.

3. Owner's Responsibilities

A. Owner shall have those responsibilities set forth in the Agreement.

4. Times for Rendering Services

Subtask	Start Time	Completion Time
All Work	October 10, 2013	December 31, 2020

5. Payments to Engineer

A. Owner shall pay Engineer for services rendered as follows:

A.1. Compensation for services identified under Subtasks listed below shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Paragraph 14 of the Agreement.

A.2. The total compensation for services identified under the Task Order for Subtasks is not to exceed the amount defined in the table below.

Subtasks (Work Order #)	Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
2.A Permitting Schedules	SW-1190	18,150	-18,150	0
2.B Allowance for Permit Submittal Preparation and Acquisition Support	SW-1190	1,692,331~~1,546,651~~	240,480~~145,680~~	1,932,811~~1,692,331~~
2.B.1.c.3 Development of Post Project Floodplain Ordinances	SW-1190	59,444		59,444
2.C On-Call Services	SW-1190	60,500		60,500
Total		**1,830,425~~1,684,745~~**	**222,330~~127,530~~**	**2,052,755~~1,812,275~~**

B. The terms of payment are set forth in Paragraph 15 of the Agreement and in Exhibit C.

C. When invoicing work, Engineer shall note the Activity ID (shown in table above) associated with each invoiced activity.

6. Consultants: None

7. Other Modifications to Agreement: None

8. Attachments: None

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9. Documents Incorporated by Reference:

9.A. HMG Amendment 13 cost proposal dated May 27, 2020~~None~~

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10. Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

11. Electronic Signatures. **Fargo-Moorhead Flood Diversion Authority** and **Houston-Moore Group, LLC**, agrees that the electronic signature to this **Task Order No. 16, Amendment 13 Work-In-Kind (WIK)** shall be as valid as an original signature of **Fargo-Moorhead Flood Diversion Authority** and **Houston-Moore Group, LLC** and shall be effective to bind the signatories to this **Task Order No. 16, Amendment 13 Work-In-Kind (WIK)**. For purposes hereof: (i) "electronic signature" means a manually signed original signature that is then transmitted by electronic means or an electronic acknowledgment which provides the signatory the ability to validate and affix a digital signature that is then transmitted by electronic means; and (ii) "transmitted by electronic means" means sent in the form of a facsimile or sent via the internet as a portable document format ("pdf") or other replicating image attached to an electronic mail or internet message.

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~~10.~~

The Effective Date of this Task Order is October 10, 2013.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Joel Paulsen Name
President Title	Executive Director Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Nathan Boerboom Name
Sr. Project Manager Title	Diversion Authority Project Manager, City of Fargo Title
925 10th Avenue East West Fargo, ND 58078 Address	225 4th Street North Fargo, ND 58102 Address
cgthielman@houstoneng.com E-Mail Address	nboerboom@cityoffargo.com E-Mail Address
(701) 237-5065 Phone	(701) 476-6743 Phone
Fax	Fax

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HMG

FM Metro Risk Management Project
Task Order No. 16 - Amendment No. 13

Task	Activity Description	Senior Professional Engineer		Professional Engineer I		GIS Manager		GIS Technician III		CADD Technician III		Cost Per Task
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
	Subtask 2.B. Allowance for Permit Submittal Preparation and Acquisition Support											
2.B	General Permit Support Work includes additional technical support for the CLOMR - addressing FEMA comments; USACE and Sponsor Coordination; H&H and mapping updates and comment responses; and coordinating public notices. Work also includes general permit applications and support, such as OSE permits for WP42 and WP43 features and SEAI and DCAI features.	200	$ 41,600	240	$ 41,040	40	$ 6,680	80	$ 9,600	32	$ 3,840	$ 102,760
2.B	Permit Support for 2nd Street Downtown Levee Certification (LOMR) Developing LOMR documentation for 2nd Street Downtown levees and floodwalls to meet FEMA certification guidelines. This includes reaches WP42F1N, WP42F1S, WP42E, WP42F2, WP42A3, and pump stations WP-42A1 and WP-42A2 (5th Avenue/Railroad to 2nd Avenue S). Certification will include compiling the necessary FEMA documentation following NFIP Regulations 65.10. It is expected that the design calculations and reports from the designs have been previously prepared and will be compiled through this effort.											
	Freeboard - Create plan/profile of entire reach showing tie-ins, top of protection, and flood elevations, closures	4	$ 832	16	$ 2,736	4	$ 668	4	$ 480	32	$ 3,840	$ 8,556
	Closures - Review closure documentation from already developed plans. Document in MT-2 forms. Show on freeboard profiles.	4	$ 832	16	$ 2,736	0	$ -	0	$ -	0	$ -	$ 3,568
	Embankment Protection - Create velocity comparison, document in MT-2 forms.	2	$ 416	16	$ 2,736	0	$ -	0	$ -	0	$ -	$ 3,152
	Embankment and Foundation Stability (compile already generated geotechnical engineering documentation)	2	$ 416	16	$ 2,736	0	$ -	0	$ -	0	$ -	$ 3,152
	Settlement Analyses (compile already generated geotechnical engineering documentation)	2	$ 416	16	$ 2,736	0	$ -	0	$ -	0	$ -	$ 3,152
	Interior Drainage - Update SWMM model to include as-built information. Create interior residual floodplain, Document in MT-2 forms	16	$ 3,328	80	$ 13,680	24	$ 4,008	16	$ 1,920	0	$ -	$ 22,936
	Compiling Professional Engineer Signatures	2	$ 416	4	$ 684	0	$ -	0	$ -	0	$ -	$ 1,100
	Riverine Hydraulic Impact Analysis using the Effective FIS Model	16	$ 3,328	60	$ 10,260	12	$ 2,004	0	$ -	0	$ -	$ 15,592
	Floodplain Mapping and coordination with FEMA	8	$ 1,664	24	$ 4,104	40	$ 6,680	0	$ -	0	$ -	$ 12,448
	Drafting LOMR Report	24	$ 4,992	100	$ 17,100	0	$ -	24	$ 2,880	0	$ -	$ 24,972
	Internal QAQC	8	$ 1,664	24	$ 4,104	0	$ -	4	$ 480	0	$ -	$ 6,248
	Revisions following USACE Comments	24	$ 4,992	40	$ 6,840	0	$ -	24	$ 2,880	0	$ -	$ 14,712
	Revisions based on FEMA comments/coordination, finalization. Two rounds of comments	24	$ 4,992	60	$ 10,260	0	$ -	24	$ 2,880	0	$ -	$ 18,132
	Subtotal for Permit Support for 2nd Street Downtown Levee Certification (LOMR)	136	$ 28,288	472	$ 80,712	80	$ 13,360	96	$ 11,520	32	$ 3,840	$ 137,720
	Total - Subtask 2.B. Allowance for Permit Submittal Preparation and Acquisition Support	336	$ 69,888	712	$ 121,752	120	$ 20,040	176	$ 21,120	64	$ 7,680	$ 240,480
	Grand Totals	336	$ 69,888	712	$ 121,752	120	$ 20,040	176	$ 21,120	64	$ 7,680	$ 240,480

Executive Director Contracting Recommendation

Date: 05/28/2020

RECOMMENDATION FOR ACTION:

The Executive Director has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016 and amended August 23, 2018, the Owner's Program Management Consultant (PMC) or Engineer of Record (EOR) is directed to prepare task orders and task order amendments for existing Master Services Agreements (MSA) and submit them to the Executive Director for review and action.

The Owner's PMC has prepared the following Contract Action(s):

Houston-Moore Group, LLC

Task Order 20, Amendment 05 – SEAI – WIK Designs Services $169,730

- Add scope and budget County Road 16/17 Realignment and Roundabout (Reach SE-1B)

BACKGROUND AND DISCUSSION:

The Owner and USACE entered into a Project Partnership Agreement (PPA) for construction of the FM Diversion Project under a Split Delivery Public Private Partnership (P3) model, and implemented it such that the Owner would deliver the Diversion Channel and Associated Infrastructure (DCAI) and the USACE (Federal) project would include the Southern Embankment and Associated Infrastructure (SEAI) features. The USACE has requested via their Work In Kind (WIK) program that the Owner provide design services for a portion of the USACE's SEAI: County Road 16/17 Realignment and Roundabout design, the I-29 grade raise, Hwy 81 (ND) grade raise, Hwy 75 (MN) grade raise, and SEAI wetland mitigation.

This amendment adds scope and budget under the County Road 16/17 Realignment and Roundabout design subtask for realignment of County Road 16/17; Three-legged roundabout located southwest of the DIS; Up and over crossing of the Southern Embankment Reach SE-1B; Connection to the bridge spanning the Diversion Channel within the P3 work limits to the existing roadways and includes: project management services, field explorations, hydraulics, roadway and QA/QC.

See the table below for a summary of the contracting history for this task order, including this amendment.

SUMMARY OF CONTRACTING HISTORY AND CURRENT CONTRACT ACTION:

Original Agreement or Amendment	Budget Change	Initial or Revised Project Cost	Project Start	Project Completion	Comments
Task Order 20 Amendment 00	$ -	$81,000	13-Oct-16	31-Mar-16	Preliminary Design of the SEAI I-29 Grade Raise and soil boring allowance
Task Order 20 Amendment 01	$ 2,393,400	$2,474,400	13-Oct-16	31-Dec-18	Add preliminary design of Hwy 81 (ND) and Hwy 75 (MN) grade raises, add preliminary design of SEAI wetland mitigation, add detailed design of the I-29 grade raise, extend POP to December 31, 2018
Task Order 20 Amendment 02	$ 0	$2,474,400	13-Oct-16	31-Dec-19	Extend POP to December 31, 2019

Original Agreement or Amendment	Budget Change	Initial or Revised Project Cost	Project Start	Project Completion	Comments
Task Order 20 Amendment 03	$ 0	$2,474,400	13-Oct-16	31-Dec-20	Extend POP to December 31, 2020
Task Order 20 Amendment 04	$ 46,311	$2,520,711	13-Oct-16	31-Dec-20	Add scope and budget for I-29 borrow site evaluation
Task Order 20 Amendment 05	$169,730	$2,690,441	04-Apr-20	31-Dec-20	Realignment of County Road 16/17; Three-legged roundabout located southwest of the DIS; Up and over crossing of the Southern Embankment Reach SE-1B; Connection to the bridge spanning the Diversion Channel within the P3 work limits to the existing roadways.

FINANCIAL CONSIDERATIONS:

The USACE plans for Reach SE-1B will include the design of the Southern Embankment connection from Reach SE-1 to the DIS as well as the removal of the existing County Road 17 bypass and connection of the Diversion Channel between the DIS and P3 work limits. The roadway elements include: realignment of County Road 16/17; Three-legged roundabout located southwest of the DIS; Up and over crossing of the Southern Embankment Reach SE-1B; Connection to the bridge spanning the Diversion Channel within the P3 work limits to the existing roadways.

Amendment 5 to Task Order 20 adds scope and budget under the County Rd 16/17 Realignment subtask and includes: project management services, surveys, landowner notification and coordination, hydraulics and roadway design.

HMG provided the attached cost proposal, and the PMC has reviewed it. This is a time and materials task order, and only services performed are invoiced and paid. Below is a summary of the review.

1. County Road 16/17 Realignment and Roundabout design: The USACE plans for Reach SE-1B will include the design of the Southern Embankment connection from Reach SE-1 to the DIS as well as the removal of the existing County Road 17 bypass and connection of the Diversion Channel between the DIS and P3 work limits. HMG proposed the following services to complete the County Road 16/17 Realignment and Roundabout design.
    a. Project Management – Requested $22,190 in project management services for 128 hours of labor at $173/hour to participate in design team meetings through the end of the design schedule.
        i. The PMC feels the proposed level of effort is reasonable.
    b. Field Survey - Requested $10,994 in field survey services for 80 hours of labor at $137/hour to participate in survey criteria standards and development, landowner notification and coordination, field survey and compliying data and generating Topog, Right of Way and DTM files.
        i. The PMC feels the proposed level of effort and unit rates are reasonable.
    c. Hydraulics – Requested $14,056 in hydraulic services for 84 hours of labor at $167/hour to participate in local roadway drainage and culvert designs.
        i. The PMC feels the proposed testing services are reasonable.
    d. Roadway Design - Requested $99,210 in roadway design for 724 hours of labor at $137/hour to participate in roundabout geometric layout, roadway design & grading, erosion control, permanent signing and striping, temporary traffic control, plan prep, design documentation report and plan updates after final completion.
    e. Quality Assurance/Quality Control - Requested $23,280 in QA/QC for 120 hours of labor at $194/hour to participate in Internal Design Review (IDR) and Independent Technical Review (ITR)..
        i. The PMC feels the proposed level of effort is reasonable.

The subtask budget changes for this task order amendment are listed in the table below.

TO-20 BUDGETS BY SUBTASK:

Subtask (Work Order#)	Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
2.A.i I-29 Preliminary Design	DE-4900	56,000		56,000
2.A.ii Hwy 81/75 Preliminary Design	DE-4900	68,970		68,970
2.A.iii SEAI Wetland Mitigation Preliminary Design	DE-4900	80,000		80,000
2.B. Soil Boring Allowance	DE-4900	0		0
2.B.i I-29 Detailed Design	DE-4900	2,315,741		2,315,741
2.B.ii County Rd 16/17 Realignment	DE-4900	0	169,730	169,730
TOTAL		**2,520,711**	**169,730**	**2,690,441**

The PMC prepared this task order amendment, and feels the information is accurate, complete, and ready for Executive Director review.

ATTACHMENT(S):

1. Draft Task Order 20, Amendment 05
2. HMG cost proposal dated April 17, 2020

Prepared by: Program Management Consultant

Kristopher Grigg

Kris Grigg
Jacobs

5/28/2020

Date

Submitted by:

Joel Paulsen

Joel Paulsen
Diversion Authority Executive Director

Concur: X *Non-Concur:*

Cc: Technical Advisory Group

- Nathan Boerboom, City of Fargo Engineer/Diversion Authority Project Manager
- David Overbo, Clay County Engineer
- Jason Benson, Cass County Engineer
- Robert Zimmerman, Moorhead City Engineer
- Matt Stamness, Assistant Cass County Engineer/Diversion Authority Project Manager
- Dustin Scott, West Fargo City Engineer

This is Task Order No. 20, Amendment 054, consisting of 10 pages.

Houston-Moore Group, LLC

Task Order No. 20, Amendment 055

Southern Embankment and Associated Infrastructure (SEAI) – WIK Design Services

FMDA Purchase Order No. 188659

In accordance with the Master Agreement for Professional Services Between **Fargo-Moorhead Flood Diversion Authority** ("Owner") and **Houston-Moore Group, LLC (HMG)** ("Engineer"), dated Apirl 1, 2020 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 20 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude Engineer from invoicing for work authorized under prior versions of this Task Order and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

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1. Specific Project Data
    A. Title: Southern Embankment and Associated Infrastructure (SEAI) – WIK Design Services
    B. Description: As part of the USACE's requested Work In Kind (WIK),
        i. Prepare a preliminary design of the Interstate Highway 29 (I-29) north and south grade raises over the Southern Embankment and through the Project staging area.
        ii. Prepare a preliminary design of the Hwy 81 (North Dakota) and Hwy 75 (Minnesota) grade raises over the SEAI.
        iii. Prepare preliminary design of SEAI wetland mitigation
        iv. Prepare detail design of the I-29 grade raises over the SEAI.
    C. Background:
        i. The Owner and the USACE entered into a Project Partnership Agreement (PPA) for construction of the Project under a Split Delivery PPP, and implemented a Split Delivery project model such that the Owner would deliver the Diversion Channel and Associated Infrastructure (DCAI) and the USACE (Federal) project would include the SEAI features. Mitigation work would be delivered by both the Owner and USACE teams.
        ii. The I-29 Grade Raise is part of the USACE's SEAI project. I-29 is a concrete surfaced divided highway with separate roadways carrying northbound and southbound traffic. The project location is south of the CR-16 Interchange in Cass County.
        iii. The USACE has requested via their WIK program that the Owner provided design services for a portion of the USACE's SEAI: the I-29 Grade Raise, Hwy 81 (ND), Hwy 75 (MN), and wetland mitigation sites.
2. Services of Engineer
    A. Preliminary Design
        i. I-29 Grade Raise: A concept for the I-29 grade raise over the Southern Embankment was developed for the Federal EIS. HMG also evaluated SEAI siting alternatives for the WRR Control Structure and I-29 Grade Raise, and prepared a technical memorandum titled FM Diversion Post-Feasibility Alternatives Assessment: Wild Rice Hydraulic Structure and I-29/CR16 Interchange Micrositing, July 29, 2014 - revision, that looked at shifting the I-

29 crossing over the Southern Embankment further south. In order to advance the USACE WRR Control Structure and Southern Embankment designs, concepts developed for the I-29 Grade Raise need to be advanced to Preliminary Design.

1. Scope of Work
    a. Task 1 – Update I-29 Grade Raise Concepts
        i. Update the I-29 grade raise concepts developed for the 2014 micrositing technical memorandum. Confirm grade raise elevation and length, identify structures needed for grade raise, and evaluate alternatives for by-pass routes.
    b. Task 2 – Hydraulic Analysis
        i. Conduct an H&H model sensitivity analysis of the I-29 and Hwy 75 roadway elevations in the staging area during large flood events (PMF and IDF).
    c. Task 3 – Technical Memorandum
        i. Prepare a technical memorandum that documents the preliminary design components, layout, bypass route alternatives, and hydraulic sensitivity analysis.
2. Deliverables include:
    a. Draft Preliminary Design report
    b. Final Preliminary Design report

ii. Hwy 81 (ND) and Hwy 75 (MN): In order to advance the USACE Southern Embankment designs, USACE requested WIK design assistance from the non-federal local sponsor to prepare preliminary designs for the Hwy 81 (ND) and Hwy 75 (MN) grade raises over the SEAI.

1. Scope of Work
    a. Task 1 – Hwy 81 (ND) and Hwy 75 (MN) Grade Raise Concepts
        i. Prepare grade raise concepts. Confirm grade raise elevations and lengths, identify structures needed for grade raise, and evaluate alternatives for by-pass routes.
    b. Task 2 – Hydraulic Analysis
        i. Conduct an H&H model analysis of grade raise concepts to determine feasibility and required hydraulic structures.
    c. Task 3 – Technical Memorandum
        i. Prepare a technical memorandum that documents the preliminary design components, layout, bypass route alternatives, and hydraulic analysis.
2. Deliverables include:
    a. Draft Preliminary Design report
    b. Final Preliminary Design report

iii. SEAI Wetland Mitigation: In a letter dated July 21, 2017, USACE requested WIK design assistance from the non-federal local sponsor to prepare preliminary designs for SEAI wetland mitigation sites. USACE estimate the wetland mitigation requirements for the

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SEAI to be approximately 150 acres in ND and approximately 100 acres in MN. Of note, borrow areas in the staging area for roadway grade raises may be ideal sites for creating or restoring wetland acres.

1. Scope of Work
    a. Task 1 - Preliminary mitigation site identification
        i. Review potential road grade raise borrow area sites and evaluation the feasibility of converting the site into wetlands. Estimate the acres of wetland mitigation potential for each site evaluated. Includes limited field survey.
    b. Task 2 - Preliminary Design of mitigation sites
        i. For feasible sites, prepare preliminary design concepts, including limited H&H modeling evaluations.
    c. Task 3 - Technical Memorandum
        i. Development of Technical Memorandum summarizing preliminary design.
    d. Task 4 – Meetings
        i. Prepare for and participate in up to 3 meetings with USACE and non-federal sponsor staff. Assume one meeting at USACE, St. Paul, MN.
2. Deliverables
    a. Draft Technical Memorandum
    b. Final Technical Memorandum

B. Detailed Design: After completing preliminary designs and when authorized by the non-federal local sponsor, prepare detailed designs as specified below for the following projects.

i. <u>I-29 Grade Raise:</u> NDDOT decision document dated March 17, 2017 recommends and accepts Alternative 2.1 (Temporary Detour), as presented in HMG's preliminary design report, as the only practical alternative for the I-29 grade raise over the SEAI and through the staging area.

1. Task 100 – Project Management and Coordination
    a. Schedule – prepare and maintain a project design schedule that identifies major milestones and review dates
    b. Progress reports – provide monthly progress reports
    c. Task coordination – coordinate the work of bridge, road, hydraulics, geotechnical, surveying, and QA/QC teams
    d. Meetings – conduct regular team meetings. Participate in external meetings with Owner, PMC, USACE, and NDDOT.
        i. Facilitate two (2) NDDOT review meetings.
2. Task 200 – Field Surveys
    a. Coordinate rights of entry with land owners on field survey parcels.
    b. Survey the project area using established survey criteria and standards.

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c. Compile survey data and prepare a project base map.

d. Provide surveys of soil exploration locations.

3. Task 300 - Hydraulics

    a. Conduct H&H modeling to determine number, size, and locations of culverts for the road temporary bypass lanes and mainline interstate.

    b. Conduct H&H modeling of proposed bridges over the interstate road and borrow ditches.

    c. Conduct H&H modeling to size borrow ditch structure.

4. Task 400 – Bridge Design

    a. Use standard NDDOT specifications.

    b. Design and prepare plans for the construction of the I-29 structures over the borrow ditch and modifications to the CR-18 overpass structure.

    c. Submit design and plans for three (3) reviews:

        i. PER (30 percent)

        ii. FTR (90 percent)

        iii. BCOE (100 percent)

5. Task 500 – Roadway Design

    a. Use standard NDDOT specifications.

    b. Design and prepare plans for the construction of the selected Alterative 2.1, including: I-29 bypass roadway and ditches, crossovers and temporary ramp connections, mainline interstate, local drainage, County Road 18 (CR-18) interchange modifications, permanent signage, temporary traffic control, erosion control, construction phasing, and environmental coordination.

    c. Submit design and plans for three (3) reviews:

        i. PER (30 percent)

        ii. FTR (90 percent)

        iii. BCOE (100 percent)

6. Task 600 – Geotechnical Design

    a. Project Management – manage, schedule, and coordinate field exploration tasks, laboratory testing, and engineering and report preparation.

        i. Participate in additional bi-weekly design meetings (Amendment 4).

    b. Field Exploration – conduct soil explorations as follows:

        i. Bridge borings: eleven (11) SPT borings, approximately 110-ft. deep and sample collection.

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ii. Linear road borings: forty-two (42) borings, approximately 7-ft. deep at 500-ft. intervals on bypass roadway and 1000-ft. intervals on mainline roadway and sample collection.

iii. Borrow area: thirty-six (36) borings on a 350-ft. by 350-ft. grid and sample collection.

iv. Borrow area east of I-29: twenty-one (21) borings approximately 15-ft deep (Amendment 4).

v. Vibrating wire piezometer: one (1) with data logger and six (6) data collection trips.

c. Laboratory testing: conduct the following laboratory tests:

i. Moisture content, quantity of 1,674

ii. Moisture content, quantity of 273 (Amendment 4)

iii. Atterberg limits, quantity of 159

iv. Atterberg limits, quantity of 21 (Amendment 4)

v. Sieve-hydrometer analyses, quantity of 159

vi. Sieve-hydrometer analyses, quantity of 21 (Amendment 4)

vii. Unconfined compression, quantity of 44

viii. Consolidation tests with time-rate measurements, quantity of 4

ix. Modified Proctor, quantity of 115

x. Modified Proctor, quantity of 21 (Amendment 4)

d. Engineering and report preparation: provide a geotechnical recommendations report for bridge and roadway design features.

i. Major analyses include: settlement estimations, deep foundation evaluation, and stability evaluation.

ii. Report shall include: project figure, boring logs, subsurface profile and groundwater conditions, issues of concern, borrow material suitability, design recommendations, and stability analysis results.

iii. Engineering analysis, specifications review, and report preparation for borrow area east of I-29 (Amendment 4).

7. Task 700 – Quality Assurance/Quality Control

a. Provide QA/QC management and reviews for work products, including: internal design reviews, discipline design reviews, and rotational team reviews.

8. Deliverables

a. PER design submittal (30 percent)

b. FTR design submittal (90 percent)

c. BCOE design submittal (100 percent)

d. Geotechnical reports

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e. Design calculations, plans, and CAD drawing files

f. FTR and BCOE cost estimates

ii. County Road 16/17 Realignment & Roundabout (Reach SE-1B): The USACE plans for Reach SE-1B will include the design of the Southern Embankment connection from Reach SE-1 to the DIS as well as the removal of the existing County Road 17 bypass and connection of the Diversion Channel between the DIS and P3 work limits. The roadway elements include: realignment of County Road 16/17; Three-legged roundabout located southwest of the DIS; Up and over crossing of the Southern Embankment Reach SE-1B; Connection to the bridge spanning the Diversion Channel within the P3 work limits to the existing roadways.

1. Task 100 – Project Management and Coordination

a. Schedule – prepare and maintain a project design schedule that identifies major milestones and review dates

b. Progress reports – provide monthly progress reports

c. Task coordination – coordinate the work of bridge, road, hydraulics, geotechnical, surveying, and QA/QC teams

d. Meetings – conduct regular team meetings. Participate in external meetings with Owner, PMC and USACE.

i. Facilitate one (1) eight (8) hour meeting to coordinate the design of the roadway elements with the design of Reach SE-1B..

e. Plan Review Meetings – conduct anticipated 90& plan review to discuss review comments received.

2. Task 200 – Field

a. Coordinate survey limits and requirements with the USACE to ensure consistant coordinate systems and datum with the Reach SE-1B design.

b. Prior to beginning field work, coordinate parcel access and notify the DA's land acquisition team when the field work will begin.

c. Complete field survey for the connections to existing County Road 16 and 17.

d. Supplemental survey data collected will be incorporated into the base files created for WP-28A

3. Task 300 - Hydraulics

a. Review and design the local roadway drainage and provide a hydraulic report.

b. After the local roadway drainage patterns have been identified, complete design of new culverts along County Raod 16 and 17 realignment work to meet County, NDDOT and USACE standards..

4. Task 400 – Roadway

a. Design the roundabout geometrics meeting current County and NDDOT standards.

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b. Complete the roadway design and grading for all road improvements within Work Zone A3.

c. Develop erosion control plans for the roadway improvement components consistant with current environmental standards.

d. Develop permanent signing and striping plans.

e. Develop a phased temporary traffic control plan to complete construction.

f. Develop the final construction plans incorporating the design of the roadway improvements and roadway local drainage to be included in the Reach SE-1B project let by the USACE.

g. Develop of transportation improvement section for the Design Documentation Report (DDR).

h. Plan updates to the embankment up and over. No adjustments to the location or design of the roundabout are expected.

5. Task 500 – Quality Assurance / Quality Control

a. A senior member of the Design Team will review all deliverables prior to beginning independent Technical Reviews.

b. A senior staff member from the design Team will review all deliverables prior to submittal to the DA and USACE for review.

6. Deliverables

a. PER design submittal (30 percent)

b. FTR design submittal (90 percent)

c. BCOE design submittal (100 percent)

d. Design calculations, plans, and CAD drawing files

e. FTR and BCOE cost estimates

~~f.~~

C. Work not included in this Scope of Services

i. Environmental documentation and permitting

ii. Utility Relocation Agreements

iii. ROW Acquisition including Appraisals, Title Searches, Title Opinions, Deeds

iv. Bid documents and bidding services

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3. Owner's Responsibilities

Owner shall have those responsibilities set forth in the Agreement.

4. Times for Rendering Services

Phase	**Start Time**	**Completion Time**
2.A Preliminary Designs	Oct 13, 2016	December 31, 2020

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2.B Detailed Designs August 24, 2017 December 31, 2020

5. Payments to Engineer

   A. Owner shall pay Engineer for services rendered as follows:

      I. Compensation for services in Subtasks 2.A and 2.B shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Paragraph 15 of the Agreement.

   B. Engineer will notify Owner when 80 percent of the budget is expended.

   C. Engineer will submit an amendment for additional compensation when 90 percent of the budget is expended, or confirm to Owner that this Task Order can be completed for the remaining budget.

   D. Engineer will not perform work beyond 100 percent of the budget without Owner's written authorization.

Subtask (Work Order#)	Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
2.A.i I-29 Preliminary Design	DE-4900	56,000		56,000
2.A.ii Hwy 81/75 Preliminary Design	DE-4900	68,970		68,970
2.A.iii SEAI Wetland Mitigation Preliminary Design	DE-4900	80,000		80,000
2.B. Soil Boring Allowance	DE-4900	0		0
2.B.i I-29 Detailed Design	DE-4900	2,315,741~~2,269,430~~	~~46,311~~	2,315,741
2.B.ii County Rd 16/17 Realignment	DE-4900	0	169,730	169,730
TOTAL		**2,520,711~~2,474,400~~**	**169,730~~46,311~~**	**2,690,441~~2,520,711~~**

   A. The terms of payment are set forth in Paragraph 16 of the Agreement.

6. Consultants:

   A. Braun Intertec Corporation

   B. SRF Consulting Group

7. Other Modifications to Agreement: None

8. Attachments: None

9. Documents Incorporated By Reference:

   A. HMG Task Order 20 Proposal

   B. Braun Intertec Corporation Proposal B1702721

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C. HMG Task Order 20 Wetland Preliminary Design proposal

D. HMG Amendment 54 ~~6~~ cost proposal dated April 17~~6~~, 2020

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10. Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

11. Electronic Signatures. **Fargo-Moorhead Flood Diversion Authority** and **Houston-Moore Group, LLC**, agrees that the electronic signature to this **Task Order No. 26, Amendment 4 Work-In-Kind (WIK)** shall be as valid as an original signature of **Fargo-Moorhead Flood Diversion Authority** and **Houston-Moore Group, LLC** and shall be effective to bind the signatories to this **Task Order No. 26, Amendment 4 Work-In-Kind (WIK)**. For purposes hereof: (i) "electronic signature" means a manually signed original signature that is then transmitted by electronic means or an electronic acknowledgment which provides the signatory the ability to validate and affix a digital signature that is then transmitted by electronic means; and (ii) "transmitted by electronic means" means sent in the form of a facsimile or sent via the internet as a portable document format ("pdf") or other replicating image attached to an electronic mail or internet message.

~~10.~~

The Effective Date of this Task Order is October 13, 2016.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Joel Paulsen Name
President Title	Executive Director Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Nathan Boerboom Name
Sr. Project Manager Title	Diversion Authority Project Manager, City of Fargo Title
925 10th Avenue East West Fargo, ND 58078 Address	225 4th Street North Fargo, ND 58102 Address
cgthielman@houstoneng.com E-Mail Address	nboerboom@cityoffargo.com E-Mail Address
(701) 237-5065 Phone	(701) 476-6743 Phone
Fax	Fax

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County Road 16/17 Realignment Scope

Subject: Scope of Services

Project: County Road 16/17 Realignment and Roundabout (Reach SE-1B)

Date: April 17, 2020

PROJECT DESCRIPTION

The following scope and fee are for final engineering services for the design of the roadway elements within Work Zone A3 (See Exhibit 1) near the Diversion Inlet Structure (DIS). The roadway elements include:

- Realignment of County Road 16 & 17
- Three-legged roundabout located southwest of the DIS
- Up and over crossing of Southern Embankment Reach SE-1B (Embankment below the roadway to be designed by the USACE).
- Connection to the bridge spanning the Diversion Channel within the P3 work limits (Work Zone A2) to the existing roadways.

The roadway improvement plans developed by HMG will be included in the plan set for Reach SE-1B being developed by the USACE. The USACE plans for Reach SE-1B will include the design of the Southern Embankment connection from Reach SE-1 to the DIS, as well as the removal of the existing County Road 17 bypass and connection of the Diversion Channel between the DIS and P3 work limits. It is also anticipated the USACE will lead the development of project specifications and the project bidding process. Technical specifications for the roadway are anticipated to follow the latest version of the NDDOT spec book. A Design Documentation Report (DDR) will be developed. Permitting is not included as it is anticipated to be completed by USACE as part of their Reach SE-1B project.

A geotechnical assessment was not included in the scope of work as requested by the County. Subsequently, the original boring information and pavement design developed for WP-28A (County Road 16/17 roundabout north of the DIS) will be utilized for this project. Additional geotechnical borings and information would be acquired by the USACE for the design of the Southern Embankment Reach SE-1B. It is anticipated preconsolidation design and settlement mitigation and timing will be developed by the USACE and included in the Reach SE-1B embankment plans.

Construction of Reach SE-1B is not anticipated until 2024 and 2025 due to existing construction contract constraints at the DIS. However, the design of the roadway elements within Work Zone A3 may need to be completed in advance to verify tie ins with the adjacent P3 component of the project. It is anticipated the schedule for plan development will be developed based on the USACE's design schedule for Reach SE-1B.

All design and project data will become the property of the Diversion Authority (DA) and USACE upon completion of the final design submittal. All project information will be submitted in the following formats and standards

- MicroStation Version V8i
- Cass County Highway Department Design Standards
- NDDOT Design Manual
- USACE Southern Embankment Crossing Guidelines

ACTIVITIES/TASKS

100 PROJECT MANAGEMENT AND COORDINATION

101. Project Schedule

HMG will coordinate with the DA and USACE to develop a schedule to complete the design and plan preparation for the roadway improvement elements. The schedule will be developed in Microsoft Project and evaluated monthly.

102. Progress Reports

HMG will develop biweekly Progress Reports detailing tasks completed during the reporting period as well as work to be completed during the next reporting period. The Progress Reports will be submitted to members of the project team from the DA and USACE.

103. Task Coordination

HMG will coordinate design tasks internally during design.

104. Coordination Meetings

Coordination Meetings will be held between the DA, USACE and HMG. It is anticipated eight one-hour meetings will be held to coordinate the design of the roadway elements with the design of Reach SE-1B. Any utility relocation coordination with utility companies is not included in the scope, since utility relocation tasks are included in HMG's existing Task Order 26 Work-in-Kind.

105. Plan Review Meetings

It is anticipated a plan review meeting will be held after the 90% plan review to discuss plan review comments received.

200 FIELD

201. Survey Criteria and Standards Development

HMG will coordinate survey limits and requirements with the USACE to ensure consistent coordinate systems and datum with the Reach SE-1B design.

202. Landowner Notification and Coordination

Prior to beginning field work, HMG will coordinate parcel access and notify the DA's land acquisition team when the field work will begin.

203. Field Survey

HMG will complete field survey for the connections to existing County Road 16 and 17. This effort will be utilized to validate the survey acquired in 2016 for the design of WP-28A. It is anticipated minimal additional topographic survey (two days) will be collected as needed to supplement the original survey. Topographic survey acquired by the USACE for the design of Reach SE-1B will also be utilized to supplement the original data. No boundary survey to establish Right of Way is included in this scope, although if necessary, this could be included in HMG's existing Task Order 28 for Boundary Surveying Services.

204. Compile Data and Generate Control, Topog, Right of Way and DTM Files.

Supplemental survey data collected will be incorporated into the base files created for WP-28A.

300 HYDRAULICS

301. Local Roadway Drainage

HMG will review and design the local roadway drainage and provide a hydraulic report. The drainage will account for improvements planned within the P3 and DIS work zones to ensure positive drainage is maintained within this area.

302. Culvert Design

Culverts will be required to maintain drainage due to the realignment of County Road 16 and 17 and the construction of the roundabout and the Southern Embankment. After the local roadway drainage patterns have been identified, HMG will design the new culverts along the County Road 16 and 17 realignment work limits to meet County, NDDOT and USACE standards.

400 ROADWAY

401. Roundabout Geometric Layout

HMG will design the roundabout geometrics meeting current County and NDDOT standards. The location of the roundabout will be reviewed to ensure adequate stopping sight distances are provided from the Reach SE-1B up and over. Passenger vehicles as well as farm equipment will be considered when designing the roundabout. It is anticipated that up to two conceptual geometric layouts will be provided for DA consideration.

402. Roadway Design & Grading

Once the roundabout geometrics have been developed and approved, HMG will complete the roadway design and grading for all road improvements within Work Zone A3. This will include coordination with the P3 tie ins on each side of the Diversion Channel as well as coordination with the USACE for the Reach SE-1B up and over.

403. Erosion Control

HMG will develop erosion control plans for the roadway improvement components consistent with current environmental standards.

404. Permanent Signing & Striping

HMG will develop permanent signing and striping plans for the roadway improvement components within Work Zone A3.

405. Temporary Traffic Control

HMG will develop a phased temporary traffic control plan to complete construction of Work Zone A3 while minimizing impacts to local traffic during construction.

406. Plan Prep

HMG will develop final construction plans incorporating the design of the roadway improvements and roadway local drainage to be included in the Reach SE-1B project let by the USACE. It is anticipated DA and USACE plan reviews will occur at 30%, 90% and 100%.

407. Design Documentation Report

HMG will develop a transportation improvement section for the Design Documentation Report (DDR). It is anticipated the information will be provided to the USACE and included in the overall report for Reach SE-1B. The transportation write up will include discussion on the roadway crossing of the Southern Embankment.

408. Plan Updates After Final Completion

Due to the early design completion schedule for the roadway improvement elements, modifications are anticipated as the entire design of Reach SE-1B is finalized by the USACE. HMG anticipates that minor adjustments to the embankment up and over may be required. However, no adjustments to the location or design of the roundabout are expected.

500 QUALITY ASSURANCE / QUALITY CONTROL

501. Internal Design Review (IDR)

A senior member of the Design Team will review all deliverables prior to beginning Independent Technical Reviews.

502. Independent Technical Review (ITR)

A senior HMG staff member independent from the Design Team will review all deliverables prior to submittal to the DA and USACE for review.

April 17, 2020

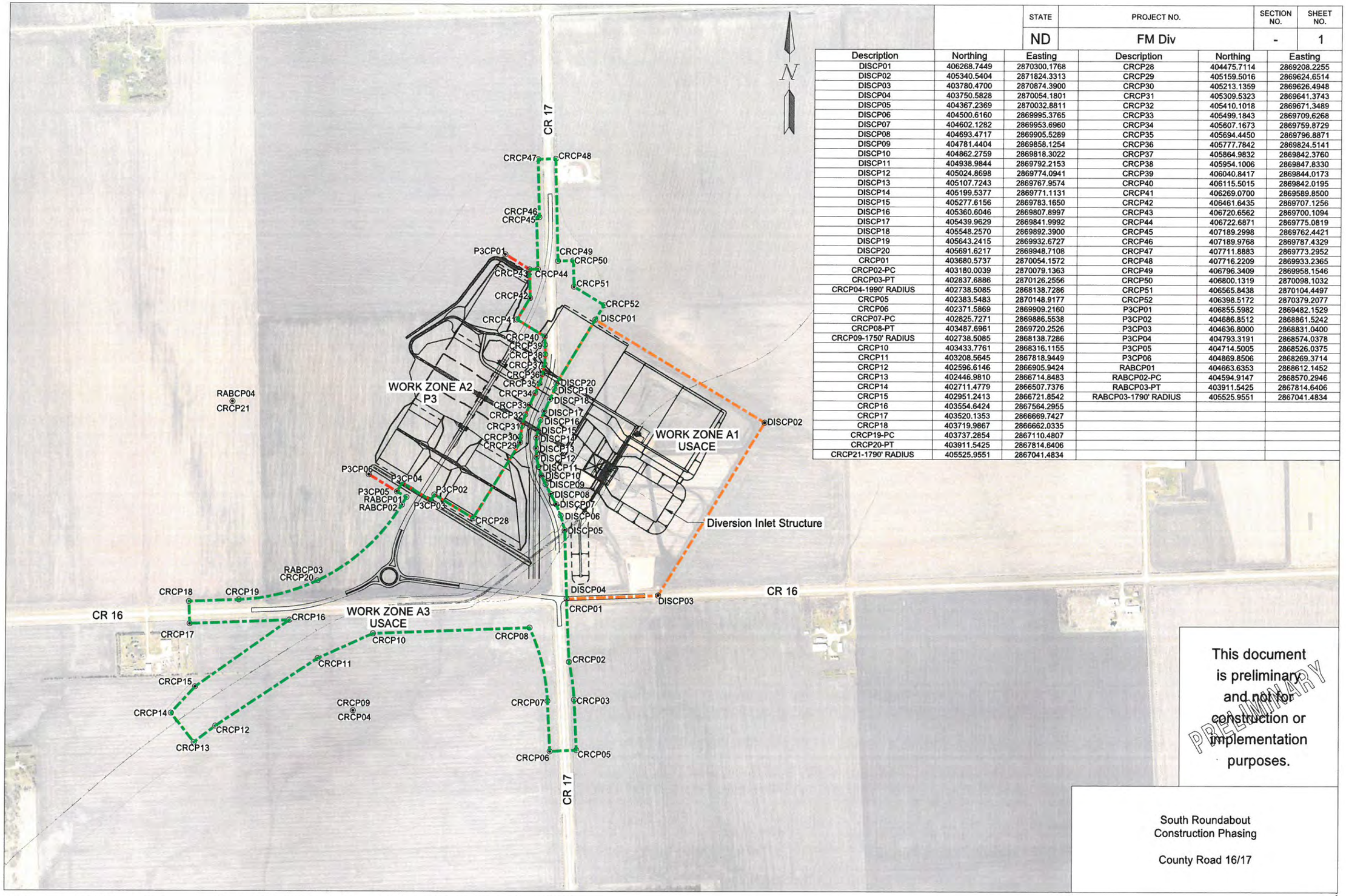
HMG

FM Metro Flood Risk Management Project

Task Order No. XX - Amendment No. XX - WP-XX County Road 16/17 Realignment

Task	Activity Description	Personnel Costs																				Hours Per Task	Cost Per Task
		Senior Project Manager		Project Manager		Professional Engineer I		Project Engineer		Graduate Engineer		CADD Technician III		CADD Technician II		Senior Land Surveyor		GPS Survey Crew Chief		Survey Tech III			
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost		
Task 100 - Project Management and Coordination																							
101	Project Schedule	2	$ 448	2	$ 374	4	$ 684		$ -		$ -		$ -		$ -		$ -		$ -		$ -	8	$ 1,506
102	Progress Reports		$ -	4	$ 748	8	$ 1,368		$ -		$ -		$ -		$ -		$ -		$ -		$ -	12	$ 2,116
103	Task Coordination	4	$ 896	8	$ 1,496	16	$ 2,736		$ -	16	$ 2,064		$ -		$ -		$ -		$ -		$ -	44	$ 7,192
104	Coordination Meetings	12	$ 2,688	12	$ 2,244	12	$ 2,052		$ -	12	$ 1,548		$ -		$ -		$ -		$ -		$ -	48	$ 8,532
105	Plan Review Meetings	4	$ 896	4	$ 748	4	$ 684		$ -	4	$ 516		$ -		$ -		$ -		$ -		$ -	16	$ 2,844
	Expenses																						
Task 100 - Project Management and Coordination Total		22	$ 4,928	30	$ 5,610	44	$ 7,524	0	$ -	32	$ 4,128	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	128	$ 22,190
Task 200 - Field Survey																							
201	Survey Criteria and Standards Development	2	$ 448		$ -	2	$ 342		$ -		$ -		$ -		$ -	2	$ 342		$ -		$ -	6	$ 1,132
202	Landowner Notification and Coordination		$ -		$ -		$ -		$ -		$ -		$ -		$ -	4	$ 684		$ -		$ -	4	$ 684
203	Field Survey		$ -		$ -	2	$ 342		$ -		$ -		$ -		$ -		$ -	20	$ 3,420	20	$ 1,860	42	$ 5,622
204	Compile Data and Generate Control, Topog, Right of Way and DTM Files		$ -		$ -	4	$ 684		$ -	8	$ 1,032		$ -	16	$ 1,840		$ -		$ -		$ -	28	$ 3,556
Task 200 - Field Survey Total		2	$ 448	0	$ -	8	$ 1,368	0	$ -	8	$ 1,032	0	$ -	16	$ 1,840	6	$ 1,026	20	$ 3,420	20	$ 1,860	80	$ 10,994
Task 300- Hydraulics																							
301	Local Roadway Drainage	2	$ 448		$ -	24	$ 4,104	7	$ 1,015		$ -		$ -		$ -		$ -		$ -		$ -	33	$ 5,567
302	Culvert Design	2	$ 448		$ -	36	$ 6,156	13	$ 1,885		$ -		$ -		$ -		$ -		$ -		$ -	51	$ 8,489
Task 300- Hydraulics Total		4	$ 896	0	$ -	60	$ 10,260	20	$ 2,900	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	84	$ 14,056
Task 400 -Roadway Design																							
401	Roundabout Geometric Layout		$ -	2	$ 374	40	$ 6,840		$ -	30	$ 3,870		$ -	10	$ 1,150		$ -		$ -		$ -	82	$ 12,234
402	Roadway Design & Grading		$ -	2	$ 374	20	$ 3,420		$ -	40	$ 5,160		$ -		$ -		$ -		$ -		$ -	62	$ 8,954
403	Erosion Control		$ -	2	$ 374	20	$ 3,420		$ -	30	$ 3,870	20	$ 2,400	20	$ 2,300		$ -		$ -		$ -	92	$ 12,364
404	Permanent Signing & Striping		$ -	2	$ 374	30	$ 5,130		$ -	30	$ 3,870	20	$ 2,400	20	$ 2,300		$ -		$ -		$ -	102	$ 14,074
405	Temporary Traffic Control		$ -	2	$ 374	20	$ 3,420		$ -	20	$ 2,580	20	$ 2,400	20	$ 2,300		$ -		$ -		$ -	82	$ 11,074
406	Plan Prep		$ -	4	$ 748	30	$ 5,130		$ -	60	$ 7,740	60	$ 7,200	60	$ 6,900		$ -		$ -		$ -	214	$ 27,718
407	Design Documentation Report	2	$ 448	4	$ 748	16	$ 2,736		$ -		$ -		$ -		$ -		$ -		$ -		$ -	22	$ 3,932
408	Plan Updates After Final Completion		$ -	4	$ 748	8	$ 1,368		$ -	16	$ 2,064	16	$ 1,920	24	$ 2,760		$ -		$ -		$ -	68	$ 8,860
Task 400 -Roadway Design Total		2	$ 448	22	$ 4,114	184	$ 31,464	0	$ -	226	$ 29,154	136	$ 16,320	154	$ 17,710	0	$ -	0	$ -	0	$ -	724	$ 99,210
Task 500 - Quality Assurance/Quality Control																							
501	Internal Design Review (IDR)	20	$ 4,480	20	$ 3,740	20	$ 3,420		$ -		$ -		$ -		$ -		$ -		$ -		$ -	60	$ 11,640
502	Independent Technical Review (ITR)	20	$ 4,480	20	$ 3,740	20	$ 3,420		$ -		$ -		$ -		$ -		$ -		$ -		$ -	60	$ 11,640
Task 500 - Quality Assurance/Quality Control Total		40	$ 8,960	40	$ 7,480	40	$ 6,840	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	120	$ 23,280
Tasks 100, 200, 300, 400 and 500																							
Grand Totals		70	$ 15,680	92	$ 17,204	336	$ 57,456	20	$ 2,900	266	$ 34,314	136	$ 16,320	170	$ 19,550	6	$ 1,026	20	$ 3,420	20	$ 1,860	1,136	$ 169,730

Exhibit 1: Project Limits



		STATE	PROJECT NO.	SECTION NO.	SHEET NO.
		ND	FM Div	-	1

Description	Northing	Easting	Description	Northing	Easting
DISCP01	406268.7449	2870300.1768	CRCP28	404475.7114	2869208.2255
DISCP02	405340.5404	2871824.3313	CRCP29	405159.5016	2869624.6514
DISCP03	403780.4700	2870874.3900	CRCP30	405213.1359	2869626.4948
DISCP04	403750.5828	2870054.1801	CRCP31	405309.5323	2869641.3743
DISCP05	404367.2369	2870032.8811	CRCP32	405410.1018	2869671.3489
DISCP06	404500.6160	2869995.3765	CRCP33	405499.1843	2869709.6268
DISCP07	404602.1282	2869953.6960	CRCP34	405607.1673	2869759.8729
DISCP08	404693.4717	2869905.5289	CRCP35	405694.4450	2869796.8871
DISCP09	404781.4404	2869858.1254	CRCP36	405777.7842	2869824.5141
DISCP10	404862.2759	2869818.3022	CRCP37	405864.9832	2869842.3760
DISCP11	404938.9844	2869792.2153	CRCP38	405954.1006	2869847.8330
DISCP12	405024.8698	2869774.0941	CRCP39	406040.8417	2869844.0173
DISCP13	405107.7243	2869767.9574	CRCP40	406115.5015	2869842.0195
DISCP14	405199.5377	2869771.1131	CRCP41	406269.0700	2869589.8500
DISCP15	405277.6156	2869783.1650	CRCP42	406461.6435	2869707.1256
DISCP16	405360.6046	2869807.8997	CRCP43	406720.6562	2869700.1094
DISCP17	405439.9629	2869841.9992	CRCP44	406722.6871	2869775.0819
DISCP18	405548.2570	2869892.3900	CRCP45	407189.2998	2869762.4421
DISCP19	405643.2415	2869932.6727	CRCP46	407189.9768	2869787.4329
DISCP20	405691.6217	2869948.7108	CRCP47	407711.8883	2869773.2952
CRCP01	403680.5737	2870054.1572	CRCP48	407716.2209	2869933.2365
CRCP02-PC	403180.0039	2870079.1363	CRCP49	406796.3409	2869958.1546
CRCP03-PT	402837.6886	2870126.2556	CRCP50	406800.1319	2870098.1032
CRCP04-1990' RADIUS	402738.5085	2868138.7286	CRCP51	406565.8438	2870104.4497
CRCP05	402383.5483	2870148.9177	CRCP52	406398.5172	2870379.2077
CRCP06	402371.5869	2869909.2160	P3CP01	406855.5982	2869482.1529
CRCP07-PC	402825.7271	2869886.5538	P3CP02	404686.8512	2868861.5242
CRCP08-PT	403487.6961	2869720.2526	P3CP03	404636.8000	2868831.0400
CRCP09-1750' RADIUS	402738.5085	2868138.7286	P3CP04	404793.3191	2868574.0378
CRCP10	403433.7761	2868316.1155	P3CP05	404714.5005	2868526.0375
CRCP11	403208.5645	2867818.9449	P3CP06	404869.8506	2868269.3714
CRCP12	402596.6146	2866905.9424	RABCP01	404663.6353	2868612.1452
CRCP13	402446.9810	2866714.8483	RABCP02-PC	404594.9147	2868570.2946
CRCP14	402711.4779	2866507.7376	RABCP03-PT	403911.5425	2867814.6406
CRCP15	402951.2413	2866721.8542	RABCP03-1790' RADIUS	405525.9551	2867041.4834
CRCP16	403554.6424	2867564.2955			
CRCP17	403520.1353	2866669.7427			
CRCP18	403719.9867	2866662.0335			
CRCP19-PC	403737.2854	2867110.4807			
CRCP20-PT	403911.5425	2867814.6406			
CRCP21-1790' RADIUS	405525.9551	2867041.4834			

This document is preliminary and not for construction or implementation purposes.

PRELIMINARY

South Roundabout
Construction Phasing

County Road 16/17

4/3/2020 12:20:33 PM aruud H:\JBN\7400\7438\18_7438_0027\CAD\Exhibits\CountyRoad16 Phasing\SouthRoundabout_ConstructionAreas_20200316.dgn