

FLOOD DIVERSION AUTHORITY
FINANCE COMMITTEE
AGENDA FOR WEDNESDAY, NOVEMBER 29, 2016

Fargo City Commission Chambers
4:00 PM

1. Call to order
2. Approval of the minutes from the previous meeting Item No. 2
3. Approval of bills Item No. 3
4. PMC Report (Randy Richardson)
 - a. Updated draft FY 2017 Cash Budget Item No. 4a
 - b. Recommended contracting action Item No. 4b
5. P3 contract process (John Shockley)
6. Other business
7. Next meeting—December 14, 2016
8. Adjournment

cc: Local Media
Flood Diversion Board of Authority
CH2M
AE2S

**FLOOD DIVERSION FINANCE COMMITTEE
NOVEMBER 9, 2016—4:00 PM**

1. MEETING TO ORDER

A meeting of the Flood Diversion Finance Committee was held on Wednesday, November 9, 2016, at 4:00 PM in the Fargo City Commission Chambers, Fargo City Hall, with the following present: Cass County Joint Water Resource District Chairman Mark Brodshaug; Fargo Finance Director Kent Costin; Fargo City Commissioner Tony Gehrig; Fargo City Commissioner Tony Grindberg; Fargo City Mayor Tim Mahoney; Cass County Auditor Mike Montplaisir; Moorhead City Councilwoman Nancy Otto; Fargo City Assistant Administrator Mike Redlinger; Cass County Commissioner Rick Steen; and Cass County Commission Representative Darrell Vanyo. Clay County Auditor/Treasurer Lori Johnson; and Moorhead Finance Director Wanda Wagner were absent.

John Shockley, Ohnstad Twichell; and Randy Richardson, CH2M were also present.

2. APPROVAL OF MINUTES FROM PREVIOUS MEETING

MOTION, passed

Mr. Brodshaug moved and Ms. Otto seconded to approve the minutes from the October 12, 2016, meeting as presented.

Motion carried.

3. APPROVAL OF BILLS

Mr. Costin said bills received for the month total around \$7.2 million. The bill from the Cass County Joint Water Resource District (CCJWRD) makes up approximately \$7.1 million of this total due to several home closings and the purchase of organic farmland.

MOTION, passed

Dr. Mahoney moved and Mr. Vanyo seconded to approve the bills in the amount of \$7,246,198.09 and to forward them to the Metro Flood Diversion Authority. On roll call vote, the motion carried unanimously.

4. FINANCIAL UPDATE

Mr. Costin reviewed the financial statements for October. About \$144 million has been expended from the FY 2016 budget, and the total disbursed for the project to date is \$315,195,195.

Mr. Costin said the Diversion Authority's net position is about \$83 million, which includes a \$79.7 million cash balance. It is a favorable position from which to begin examining cash flow for next year.

5. OXBOW LOT SALES

Mr. Costin said another check for approximately \$500,000 was received from the City of Oxbow for lot sale reimbursement.

Mr. Brodshaug said another letter will be sent in February or March to those in the staging area to give them one more chance to claim lots in Oxbow before they are released for general sale.

Mr. Steen asked why more lots are being held than were originally available. Mr.

Brodshaug said there was a plan to move 10 bought out homes onto 10 lots for resale; however, the RFP response was not good, so it is less likely that this will take place.

Mr. Brodshaug said there have been questions about the impact of the removal of homes in Oxbow on the Kindred School District. As homes are demolished they will be removed from the tax roll and replaced with the new homes, increasing the tax base.

Mr. Montplaisir said the tax base for Kindred School District has continued to rise. The OHB levee and subsequent home buyouts were a long-term investment in the community and will ultimately benefit the school district and the county.

6. **PROGRAM MANAGEMENT CONSULTANT REPORT**

Randy Richardson of CH2M was present to discuss the Program Management Consultant Report and Draft FY 2017 Cash Budget.

Mr. Richardson said the 2016 Diversion Authority Cash Budget provides a snapshot into the budget. Current spending is approximately \$15 million per month. By March of next year, this number will be in the \$25-\$30 million range, which is still within the overall \$2.2 billion program budget.

Mr. Richardson said he worked with Mr. Costin and Mr. Montplaisir on the Draft FY 2017 Cash Budget. No action is requested today, but a recommendation will be requested at the next meeting. Mr. Richardson welcomes any questions, comments, or requests for clarification.

7. **CH2M CONTRACT AMENDMENTS**

Mr. Redlinger said there are four contracting amendments to be approved to extend agreements with CH2M from November 25, 2016, to December 16, 2016.

Mr. Costin asked if the amounts listed for the contract extensions are at the same rates as the previous agreements. Mr. Redlinger said yes.

MOTION, passed

Mr. Costin moved and Mr. Montplaisir seconded to approve Amendment No. 9 to CH2M HILL Task Order No. 1; Amendment No. 1 to CH2M HILL Task Order No. 3; Amendment No. 1 to CH2M HILL Task Order No. 6; and Amendment No. 1 to CH2M HILL Task Order No. 7, and to forward the recommendations to the Metro Flood Diversion Authority. On roll call vote, the motion carried unanimously.

8. **ERNST & YOUNG TASK ORDER EXTENSION**

Mr. Redlinger said an amendment also needs to be approved to extend the contract with Ernst & Young Infrastructure Advisors from November 25, 2016, to December 16, 2016.

Mr. Gehrig asked if the scope of the original contract has changed. Mr. Redlinger said there has been no change in the work product, but there is more work than originally anticipated.

MOTION, passed

Mr. Montplaisir moved and Ms. Otto seconded to approve Amendment No. 1 to Ernst & Young Infrastructure Advisors, LLC Statement of Work No. 02, and to forward the recommendation to the Metro Flood Diversion Authority. Discussion: Attorney John Shockley said expenditures related to the P3 procurement are large because of the size and complexity of the contract. On roll call vote, the motion carried with Mr. Montplaisir, Mr. Vanyo, Mr. Costin, Mr. Brodshaug, Ms. Otto, Mr. Steen, Mr. Redlinger, Dr. Mahoney, and Mr. Grindberg voting “Yes”; Mr. Gehrig voting “No”.

9. RESOLUTION ON CONTRACTING ACTIONS

Mr. Shockley presented the document “Resolution Confirming the Procedure for Approval of Construction Contracts; Contracts for Engineering, Architectural, and Other Professional Services; and Change Orders and Amendments”, which has changed slightly from the draft discussed at a previous meeting. Changes were due to consensus built around discussions with staff. The document will apply to contracts with the Diversion Authority only.

Mr. Shockley gave a detailed overview of the document.

Mr. Brodshaug asked if a policy manual should be assembled to combine all of the policies thus far adopted by the Diversion Authority. Mr. Redlinger said such a document should be assembled for the permanent Executive Director.

Mr. Grindberg said a flowchart for the resolution at hand should be created as well.

MOTION, passed

Mr. Vanyo moved and Mr. Brodshaug seconded to approve “Resolution Confirming the Procedure for Approval of Construction Contracts; Contracts for Engineering, Architectural, and Other Professional Services; and Change Orders and Amendments” as presented. On roll call vote, the motion carried unanimously.

10. OTHER BUSINESS

RFP stipend

Mr. Shockley said approval of the stipend amount for the RFP proposers will need to be granted by mid-December. Mr. Shockley would like to know what information and questions on the matter the committee will want answered so he can have the information available.

11. NEXT MEETING

The next meeting will be held on November 29th, at 4:00 PM.

12. ADJOURNMENT

MOTION, passed

On motion by Mr. Montplaisir, seconded by Mr. Vanyo and all in favor, the meeting was adjourned at 5:07 PM.

Finance Committee Bills through November 23, 2016

Vendor	Description		
Dorsey & Whitney LLP	Legal services rendered through September 30, 2016	\$	71,057.74
Erik R. Johnson & Associates, Ltd.	Legal services rendered through October 25, 2016	\$	5,409.45
		<hr/>	
Total Bills Received through November 23, 2016		\$	76,467.19



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

October 25, 2016
Invoice No. 3311891

RECEIVED
BY _____ DATE 10-4-16

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

For Legal Services Rendered Through September 30, 2016

INVOICE TOTAL

Total For Current Legal Fees	\$70,205.50
Total For Current Disbursements and Service Charges	\$852.24
Total For Current Invoice	\$71,057.74

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 1-800-361-0760. 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



Office of the City Attorney

City Attorney
Erik R. Johnson

Assistant City Attorney
Nancy J. Morris

November 4, 2016

Kent Costin
Finance Director
City of Fargo
200 North Third Street
Fargo, ND 58102

Re: Red River Diversion Project

Dear Kent:

I am enclosing a Summary Invoice dated October 25, 2016 from the Dorsey & Whitney Firm in Minneapolis for their professional services rendered through September 30, 2016 on the Red River Diversion Project. If you have any questions, please feel free to contact me. Please remit payment directly to Dorsey Whitney.

Sincerely,

A handwritten signature in black ink, appearing to be "Erik R. Johnson", written over the word "Sincerely,".

Erik R. Johnson

ERJ/lmw
Enclosure
cc: Bruce Grubb



Erik R. Johnson & Associates, Ltd.
Attorneys at Law

STATEMENT OF ACCOUNT FOR PROFESSIONAL SERVICES

City of Fargo-Auditor's Office
Attn: Kent Costin
200 North Third Street
Fargo, ND 58102

October 25, 2016

RE: Metro Flood Project-General Legal Matters

For Legal Services Rendered Through October 25, 2016

INVOICE TOTAL

Total for Current Legal Fees	\$5350.60
Total for Current Disbursements and Service Charges	\$58.85
Total for Current Invoice	\$5409.45

Summary of Account

*Prior Balance Due	\$
Total Amount Due	\$5,409.45

*If payment has been submitted for prior balance due, please disregard.

We appreciate your business.

Erik R. Johnson & Associates, Ltd

Attorneys at Law

Erik R. Johnson - Nancy J. Morris

505 Broadway - Suite 206

Fargo, ND 58102

(701) 280-1901

Invoice

City of Fargo -- Auditor's Office

Attn: Kent Costin

200 North 3rd Street

Fargo, ND 58102

Date	10/25/2016
Invoice #	2484

Description	Qty	Rate	Amount
METRO FLOOD PROJECT -- GENERAL LEGAL MATTERS: Erik Johnson: Sept 26 thru Oct 25, 2016 - itemization enclosed	18.8	211.00	3,966.80
Nancy J. Morris: Sept 26 thru Oct 25, 2016 - itemization enclosed	7.4	187.00	1,383.80
ND Telephone Co. - Conference Call re Diversion Authority		58.85	58.85
<i>We appreciate your business.</i>			TOTAL: \$5,409.45



29 November 2016 PMC Report to DA Finance Committee

Presented By:
Program Management Consultant

PMC Report – 29 November 2016

Draft FY 2017 Cash Budget
Construction Change Order



Draft FY 2017 Cash Budget



Draft FY 2017 Cash Budget

SUMMARY LEVEL

Budget Categories – Per Requested Categories



**FM Area Diversion Project
FY2017 CASH BUDGET**

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
PROGRAM	2,205,566,043	323,987,814	1,881,578,229	45,737,957	192,805,573	238,543,531
Diversion Channel & Assoc. Infrastructure	763,768,516	2,552,324	761,216,192	8,411,973	7,664,025	16,075,999
Southern Embankment & Assoc. Infrastructure	371,353,664	51,929,000	319,424,664	-	100,000	100,000
Other Mitigation Projects	53,792,867	7,310,689	46,482,178	14,956,692	9,289,556	24,246,248
In-Town Flood Protection	204,863,752	69,687,190	135,176,562	11,838,039	40,369,143	52,207,182
Enabling Work / Other	14,113,749	-	14,113,749	-	9,810,803	9,810,803
Land Acquisition & Mitigation	389,173,341	98,289,916	290,883,424	7,255,115	100,164,426	107,419,540
Engineering & Design Fees	79,703,987	31,424,767	48,279,220	3,276,138	7,417,436	10,693,575
Program Management	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Contingency	159,898,584	-	159,898,584	-	804,879	804,879
Debt Service					1,838,108	1,838,108
Maintenance					100,000	100,000

Draft FY 2017 Cash Budget

SUB-CATEGORY LEVEL

Budget Categories – Per Requested Categories



**FM Area Diversion Project
FY2017 CASH BUDGET**

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
PROGRAM	2,205,566,043	323,987,814	1,881,578,229	45,737,957	192,805,573	238,543,531
Diversion Channel & Assoc. Infrastructure	763,768,516	2,552,324	761,216,192	8,411,973	7,664,025	16,075,999
Management, Legal, Financial, Procurement	9,750,000	2,552,324	7,197,676	637,473	7,664,025	8,301,499
Channel - Construction	754,018,516	-	754,018,516	7,774,500	-	7,774,500
Southern Embankment & Assoc. Infrastructure	371,353,664	51,929,000	319,424,664	-	100,000	100,000
WP-26 Diversion Inlet	68,743,917	-	68,743,917	-	-	-
WP-27 Red River - West Embankment	18,050,477	-	18,050,477	-	-	-
WP-29 Red River - East Embankment	15,652,398	-	15,652,398	-	-	-
WP-30 Wild Rice River Control Structure	35,608,353	-	35,608,353	-	-	-
WP-31 I-29 NS Bridge	55,281,013	-	55,281,013	-	-	-
WP-33 CR81 Bridge	5,253,756	-	5,253,756	-	-	-
WP-35 Red River Control Structure	63,252,598	-	63,252,598	-	-	-
WP-39 Overflow Embankment	10,536,493	-	10,536,493	-	-	-
WP-46 Utilities	8,477,533	-	8,477,533	-	-	-
WP-47 Utilities	1,175,448	-	1,175,448	-	-	-
WP-50 Phase II Demo	12,364,450	-	12,364,450	-	-	-
WP-51 Recreation	9,528,439	-	9,528,439	-	-	-
WP-53 BNSF Moorhead Line Raise	44,008,615	-	44,008,615	-	-	-
WP-54 - Hwy 75 Road Raise	11,320,174	-	11,320,174	-	-	-
USACE Local Share \ Management Oversight	12,100,000	51,929,000	(39,829,000)	-	100,000	100,000
Other Mitigation Projects	53,792,867	7,310,689	46,482,178	14,956,692	9,289,556	24,246,248
WP-36 Wild Rice Dam Mitigation	2,027,696	-	2,027,696	-	-	-
WP-40 Drayton Dam Mitigation	6,758,988	-	6,758,988	-	-	-
WP-41 Buffalo River Mitigation	1,689,747	-	1,689,747	-	-	-
WP-43 Oxbow-Hickson-Bakke	42,773,436	7,310,689	35,462,747	14,956,692	9,289,556	24,246,248
WP-49 Cultural Remediation	542,999	-	542,999	-	-	-
WP-52 Comstock Ring Levee	10,919,981	-	10,919,981	-	-	-
In-Town Flood Protection	204,863,752	69,687,190	135,176,562	11,838,039	40,369,143	52,207,182
WP-42 In-Town Levees	100,714,949	69,687,190	31,027,759	11,838,039	9,226,148	21,064,187
Complementary In-Town Flood Protection	104,148,803	-	104,148,803	-	31,142,995	31,142,995
Enabling Work / Other	14,113,749	-	14,113,749	-	9,810,803	9,810,803
Demolition	508,353	-	508,353	-	-	-
WP-28 - Cass County Road 16 and 17 Bridge	13,605,396	-	13,605,396	-	9,810,803	9,810,803
Land Acquisition & Mitigation	389,173,341	98,289,916	290,883,424	7,255,115	100,164,426	107,419,540
Management, Legal, Financial, Procurement	51,463,000	5,917,857	45,545,143	231,454	10,006,593	10,238,047
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	72,199,150	11,942,955	60,256,195	-	36,892,899	36,892,899
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	136,589,980	4,955,258	131,634,722	-	10,048,770	10,048,770
MITIGATION AND ASSOCIATED INFRASTRUCTURE	81,761,211	75,296,447	6,464,764	7,023,661	15,644,852	22,668,513
WP-38 Upstream Staging	47,160,000	177,399	46,982,601	-	24,844,800	24,844,800
IN-TOWN FLOOD PROTECTION	37,416,136	30,540,233	6,875,902	-	2,726,512	2,726,512
Engineering & Design Fees	79,703,987	31,424,767	48,279,220	3,276,138	7,417,436	10,693,575
Management, Legal, Financial, Procurement	8,685,616	4,197,640	4,487,976	445,284	1,100,265	1,545,549
WORK-IN-KIND PROGRAMS (WIK) STUDIES	19,682,433	8,939,983	10,742,450	544,993	1,308,173	1,853,166

**FM Area Diversion Project
FY2017 CASH BUDGET**

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
INDICATIVE DESIGN	14,469,297	6,683,425	7,785,872	207,092	-	207,092
(LERRDs) - LAND, EASEMENTS, ROW, RELOCATION & DISPOSAL AREAS (FN	534,000	288,668	245,332	62,983	-	-
PERMITTING	11,541,039	2,846,449	8,694,590	2,015,786	1,393,491	3,409,278
CERTIFICATION	2,050,000	-	2,050,000	-	138,950	138,950
FMDA DETENTION FUNDING	3,000,000	500,000	2,500,000	-	400,000	400,000
OTHER MITIGATION PROJECTS	19,741,602	7,968,601	11,773,001	-	3,076,557	3,076,557
ENABLING WORK	835,968	-	835,968	-	-	-
Program Management	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Management, Legal, Financial, Procurement	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Contingency	159,898,584	-	159,898,584	-	804,879	804,879
SYSTEM WIDE	21,795,449	-	21,795,449	-	116,423	116,423
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	47,173,841	-	47,173,841	-	-	-
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	38,696,058	-	38,696,058	-	1,340	1,340
OTHER MITIGATION PROJECTS	40,891,969	-	40,891,969	-	192,764	192,764
IN-TOWN FLOOD PROTECTION	10,101,623	-	10,101,623	-	489,833	489,833
ENABLING WORK	1,239,644	-	1,239,644	-	4,519	4,519
Debt Service					1,838,108	1,838,108
Maintenance					100,000	100,000

Draft FY 2017 Cash Budget

DETAIL LEVEL

Budget Categories – Per Requested Categories



FM Area Diversion Project
FY2017 CASH BUDGET

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
PROGRAM	2,205,566,043	323,987,814	1,881,578,229	45,737,957	192,805,573	238,543,531
Diversion Channel & Assoc. Infrastructure	763,768,516	2,552,324	761,216,192	8,411,973	7,664,025	16,075,999
Management, Legal, Financial, Procurement	9,750,000	2,552,324	7,197,676	637,473	7,664,025	8,301,499
Develop RFQ (DCAI)	250,000	-	250,000			
DCAI Procurement Costs (DCAI)	1,000,000	123,149	876,851	637,473	3,976,205	4,613,679
PPP Financial Services	3,500,000	921,640	2,578,360	-	1,628,686	1,628,686
PPP Legal Services	5,000,000	1,507,535	3,492,465	-	2,059,134	2,059,134
Channel - Construction	754,018,516	-	754,018,516	7,774,500	-	7,774,500
Channel - Utility Relocations	13,851,609	-	13,851,609	7,774,500	-	7,774,500
DCAI CM Costs	40,018,059	-	40,018,059			
DCAI Design Build	700,148,848	-	700,148,848			
Southern Embankment & Assoc. Infrastructure	371,353,664	51,929,000	319,424,664	-	100,000	100,000
WP-26 Diversion Inlet	68,743,917	-	68,743,917	-	-	-
Design Cost (WP26 - Diversion Inlet Structure)	4,355,570	-	4,355,570			
Construction (WP26 - Diversion Inlet Structure)	59,889,093	-	59,889,093			
CM Costs (WP26 - Diversion Inlet Structure) Preload)	3,415,075	-	3,415,075			
SDC Costs (WP26 - Diversion Inlet Structure)	1,084,179	-	1,084,179			
WP-27 Red River - West Embankment	18,050,477	-	18,050,477	-	-	-
Design Cost (WP27 - Red River West Embankment)	1,138,123	-	1,138,123			
Construction (WP27 - Red River West Embankment)	15,649,195	-	15,649,195			
CM Costs (WP27 - Red River West Embankment)	958,777	-	958,777			
SDC Costs (WP27 - Red River West Embankment)	304,382	-	304,382			
WP-29 Red River - East Embankment	15,652,398	-	15,652,398	-	-	-
Design Cost (WP29 - Red River East Embankment)	974,770	-	974,770			
Construction (WP29 - Red River East Embankment)	13,595,769	-	13,595,769			
CM Costs (WP29 - Red River East Embankment)	821,165	-	821,165			
SDC Costs (WP29 - Red River East Embankment)	260,694	-	260,694			
WP-30 Wild Rice River Control Structure	35,608,353	-	35,608,353	-	-	-
Design Cost (WP30 - Wild Rice River Control Structure)	2,256,122	-	2,256,122			
Construction (WP30 - Wild Rice River Control Structure)	31,021,683	-	31,021,683			
CM Costs (WP30 - Wild Rice River Control Structure)	1,768,959	-	1,768,959			
SDC Costs (WP30 - Wild Rice River Control Structure)	561,589	-	561,589			
WP-31 I-29 NS Bridge	55,281,013	-	55,281,013	-	-	-
Design Cost (WP31 - I-29 Interchange)	3,489,394	-	3,489,394			
Construction (WP31 - I-29 Interchange)	47,979,164	-	47,979,164			
CM Costs (WP31 - I-29 Interchange)	2,893,773	-	2,893,773			
SDC Costs (WP31 - I-29 Interchange)	918,682	-	918,682			
WP-33 CR81 Bridge	5,253,756	-	5,253,756	-	-	-
Design Cost (WP33 - Cass County Road 81 Bridge)	331,622	-	331,622			

**FM Area Diversion Project
FY2017 CASH BUDGET**

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
Construction (WP33 - Cass County Road 81 Bridge)	4,559,808	-	4,559,808			
CM Costs (WP33 - Cass County Road 81 Bridge)	275,017	-	275,017			
SDC Costs (WP33 - Cass County Road 81 Bridge)	87,309	-	87,309			
WP-35 Red River Control Structure	63,252,598	-	63,252,598	-	-	-
Design Cost (WP35 - Red River Control Structure)	4,007,644	-	4,007,644			
Construction (WP35 - Red River Control Structure)	55,105,104	-	55,105,104			
CM Costs (WP35 - Red River Control Structure)	3,142,276	-	3,142,276			
SDC Costs (WP35 - Red River Control Structure)	997,574	-	997,574			
WP-39 Overflow Embankment	10,536,493	-	10,536,493	-	-	-
Design Cost (WP39 - Overflow Embankment)	664,350	-	664,350			
Construction (WP39 - Overflow Embankment)	9,134,807	-	9,134,807			
CM Costs (WP-39 /Overflow Embankment)	559,661	-	559,661			
SDC Costs (WP39 - Overflow Embankment)	177,675	-	177,675			
WP-46 Utilities	8,477,533	-	8,477,533	-	-	-
Design Cost (WP46 - Phase 2 Utility Performed Relocations)	724,500	-	724,500			
Construction (WP46 - Phase 2 Utility Performed Relocations)	6,894,000	-	6,894,000			
CM Costs (WP46 - Phase 2 Utility Performed Relocations)	652,033	-	652,033			
SDC Costs (WP46 - Phase 2 Utility Performed Relocations)	207,000	-	207,000			
WP-47 Utilities	1,175,448	-	1,175,448	-	-	-
Design Cost (WP47 - Phase 2 DA Contracted Utility Relocations)	80,000	-	80,000			
Construction (WP47 - Phase 2 DA Contracted Utility Relocations)	1,000,000	-	1,000,000			
CM Costs (WP47 - Phase 2 DA Contracted Utility Relocations)	72,448	-	72,448			
SDC Costs (WP47 - Phase 2 DA Contracted Utility Relocations)	23,000	-	23,000			
WP-50 Phase II Demo	12,364,450	-	12,364,450	-	-	-
Design Cost (WP50 - Demolition SEAI)	726,082	-	726,082			
Demolition, Under Embankment Footprint (WP50 - Demolition SEAI)	10,723,824	-	10,723,824			
CM Costs (WP50 - Demolition SEAI)	604,290	-	604,290			
SDC Costs (WP50 - Demolition SEAI)	310,254	-	310,254			
WP-51 Recreation	9,528,439	-	9,528,439	-	-	-
Design Cost (WP51 - Recreation SEAI)	650,406	-	650,406			
Install Recreation Features Phase 2 (WP51 - Recreation SEAI)	5,691,057	-	5,691,057			
Plant Native Vegetation (WP51 - Recreation SEAI)	2,439,024	-	2,439,024			
CM Costs Phase 2 (WP51 - Recreation SEAI)	585,350	-	585,350			
SDC Costs (WP51 -Recreation)	162,602	-	162,602			
WP-53 BNSF Moorhead Line Raise	44,008,615	-	44,008,615	-	-	-
Design Cost (WP53 - BNSF Moorhead Line Raise)	2,740,683	-	2,740,683			
Construction (WP53 - BNSF Moorhead Line Raise)	38,226,153	-	38,226,153			
CM Costs (WP53 - BNSF Moorhead Line Raise)	2,308,806	-	2,308,806			
SDC Costs (WP53 - BNSF Moorhead Line Raise)	732,973	-	732,973			

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WP-54 - Hwy 75 Road Raise	11,320,174	-	11,320,174	-	-	-
Design Cost (WP54 - Hwy 75 Road Raise)	704,976	-	704,976			
Construction (WP54 - Hwy 75 Road Raise)	9,832,772	-	9,832,772			
CM Costs (WP54 - Hwy 75 Road Raise)	593,886	-	593,886			
SDC Costs (WP54 - Hwy 75 Road Raise)	188,540	-	188,540			
USACE Local Share \ Management Oversight	12,100,000	51,929,000	(39,829,000)	-	100,000	100,000
Corps Oversight	12,000,000	-	12,000,000		100,000	100,000
DA Payments to USACE	-	51,929,000	(51,929,000)			
Construction Management with the Corp (USACE)	100,000	-	100,000			
Other Mitigation Projects	53,792,867	7,310,689	46,482,178	14,956,692	9,289,556	24,246,248
WP-36 Wild Rice Dam Mitigation	2,027,696	-	2,027,696	-	-	-
Construction (WP36 - Wild Rice River Dam Mitigation)	1,800,000	-	1,800,000			
CM Costs (WP36 - Wild Rice River Dam Mitigation)	137,696	-	137,696			
SDC Costs (WP36 - Wild Rice River Dam Mitigation)	90,000	-	90,000			
WP-40 Drayton Dam Mitigation	6,758,988	-	6,758,988	-	-	-
Construction (WP40 - Drayton Dam Mitigation)	6,000,000	-	6,000,000			
CM Costs (WP40 - Drayton Dam Mitigation)	458,988	-	458,988			
SDC Costs (WP40 - Drayton Dam Mitigation)	300,000	-	300,000			
WP-41 Buffalo River Mitigation	1,689,747	-	1,689,747	-	-	-
Construction (WP41 - Future Stream Mitigation)	1,500,000	-	1,500,000			
CM Costs (WP41 - Future Stream Mitigation)	114,747	-	114,747			
SDC Costs (WP41 - Future Stream Mitigation)	75,000	-	75,000			
WP-43 Oxbow-Hickson-Bakke	42,773,436	7,310,689	35,462,747	14,956,692	9,289,556	24,246,248
Construction/Demolition (WP43 all Subpackages)	36,000,000	5,517,134	30,482,866	14,082,610	7,945,144	22,027,753
CM Costs (WP43 all Subprojects)	2,753,928	1,640,849	1,113,079	-	428,980	428,980
SDC Costs (WP43 all Subprojects)	1,800,000	152,706	1,647,294	874,082	808,188	1,682,270
Install Recreation Features (WP43O - OHB Ring Levee Recreation)	1,422,764	-	1,422,764	-	-	-
Plant Native Vegetation (WP43O - OHB Ring Levee Recreation)	609,756	-	609,756	-	-	-
CM Costs (WP43O - OHB Ring Levee Recreation)	146,338	-	146,338	-	107,245	107,245
SDC Costs (WP43O - OHB Ring Levee Recreation)	40,650	-	40,650	-	-	-
WP-49 Cultural Remediation	542,999	-	542,999	-	-	-
Cultural Remediation (WP49C - Cultural Remedialtion Phase 1)	500,000	-	500,000			
CM Costs (WP49C - Cultural Remedialtion Phase 1)	31,499	-	31,499			
SDC Costs (WP49C - Cultural Remedialtion Phase 1)	11,500	-	11,500			
WP-52 Comstock Ring Levee	10,919,981	-	10,919,981	-	-	-
Construction (WP52 - Comstock Ring Levee)	10,000,000	-	10,000,000			
CM Costs (WP52 - Comstock Ring Levee)	719,981	-	719,981			
SDC Costs (WP52 - Comstock Ring Levee)	200,000	-	200,000			

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In-Town Flood Protection	204,863,752	69,687,190	135,176,562	11,838,039	40,369,143	52,207,182
WP-42 In-Town Levees	100,714,949	69,687,190	31,027,759	11,838,039	9,226,148	21,064,187
CM Costs (WP42 all Subpackages)	6,272,838	522,313	5,750,525			
SDC Costs (WP42 Red River Levees all Subprojects)	6,560,000	8,942,841	(2,382,841)	-	1,650,000	1,650,000
Construction (WP42A1A3 - Dwtn Levees 4th St. S Pump Station and Floodwall)	18,534,020	16,294,991	2,239,029	-	1,586,507	1,586,507
Construction (WP42A2 - Dwtn Levees 2nd St. North Pump Station)	8,762,333	8,683,650	78,683	357,741	-	357,741
Demolition (WP42C1 - Dwtn Levees Hojo's Shakeys Fargo Public Schools Demo)	1,213,165	894,165	319,000	1,206,718	-	1,206,718
Demolition (WP42C2 - Dwtn Levees Park East Demo)	1,017,057	1,169,652	(152,595)	1,566,384	-	1,566,384
Construction Cost (WP42D1 - 1st St. From 2nd To 4th and 4th St. From 1st to 7th)	5,506,169	4,843,209	662,959	1,352,915	-	1,352,915
Construction Cost (WP42D3 - Floodwall At 1st Ave. Bridge)	1,003,084	74,196	928,888	-		
Construction Cost (WP42D4 - Xcel Energy)	1,003,084	190,531	812,553	874,255	326,040	1,200,295
Construction Cost (WP42D5 - Main Ave. Pump Station and Floodwall Utility)	1,003,084		1,003,084	-	1,003,084	1,003,084
Construction (WP42D6 - 2nd Street South Levee)	1,003,084		1,003,084			
Construction (WP42E - Dwtn Levees Main Ave. Lift Station and Gatewell)	3,032,913		3,032,913	-	935,148	935,148
Construction (WP42F1S - Dwtn Levees 2nd St. N. South of Pump Station)	16,631,688	15,571,880	1,059,808	2,362,137	-	2,362,137
Construction (WP42F1N - Dwtn Levees 2nd St. N. North of Pump Station)	13,863,327	10,256,611	3,606,716	2,927,590	-	2,927,590
Construction (WP42F2 - Dwtn Levees 2nd St. South)	5,054,855	491,356	4,563,500	-	-	-
Construction (WP42G - Dwtn Levees Landscaping and Planting)	3,032,913	-	3,032,913	-	3,032,913	3,032,913
Construction (WP42H1 - Dwtn Levees El Zagal Area Phase 1)	248,903	248,903	-	-	-	-
Demolition/Construction (WP42H2 - Dwtn Levees El Zagal Area Phase 2)	3,611,817	1,228,359	2,383,458	30,299	-	30,299
Construction (WP42I1 - Dwtn Levees Mickelson Levee Extension)	978,504	274,534	703,970	1,160,000	-	1,160,000
Design Cost (WP42J - Dwtn Levees Recreation)	162,602	-	162,602	-	156,231	156,231
Install Recreation Features (WP42J - Dwtn Levees Recreation)	1,422,764	-	1,422,764			
Plant Native Vegetation (WP42J - Dwtn Levees Recreation)	609,756	-	609,756			
CM Costs (WP42J - Dwtn Levees Recreation)	146,338	-	146,338			
SDC Costs (WP42J - Dwtn Levees Recreation)	40,650	-	40,650			
Complementary In-Town Flood Protection	104,148,803	-	104,148,803	-	31,142,995	31,142,995
Complementary In Town Flood Protection FY 2017	104,148,803	-	104,148,803	-	24,843,835	24,843,835
Complementary In Town Flood Protection Previous					6,299,160	6,299,160
Enabling Work / Other	14,113,749	-	14,113,749	-	9,810,803	9,810,803
Demolition	508,353	-	508,353	-	-	-
Demolition (WP49B - Phase 3 Demolition)	478,225	-	478,225			
CM Costs (WP49B - Phase 3 Demolition)	30,128	-	30,128			
WP-28 - Cass County Road 16 and 17 Bridge	13,605,396	-	13,605,396	-	9,810,803	9,810,803
Construction (WP28 - Cass County Road 16 and 17 Bridge)	12,419,936	-	12,419,936		9,190,753	9,190,753
CM Costs (WP28 - Cass County Road 16 and 17 Bridge)	899,801	-	899,801		491,504	491,504
SDC Costs (WP28 - Cass County Road 16 and 17 Bridge)	285,659	-	285,659		128,547	128,547
Land Acquisition & Mitigation	389,173,341	98,289,916	290,883,424	7,255,115	100,164,426	107,419,540
Management, Legal, Financial, Procurement	51,463,000	5,917,857	45,545,143	231,454	10,006,593	10,238,047

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DCAI - Relocation Benefits	3,130,000	-	3,130,000		2,180,000	2,180,000
Land Management Evaluation #1	50,000	-	50,000			-
Land Acquisition Services Costs	48,283,000	5,917,857	42,365,143	231,454	7,826,593	8,058,047
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	72,199,150	11,942,955	60,256,195	-	36,892,899	36,892,899
DCAI - Phase 1 Land Acquisition Costs	14,074,041	-	14,074,041	-	31,756,660	31,756,660
DCAI - Phase 1 Temporary Construction Easements	253,877	-	253,877	-	647,726	647,726
DCAI - Phase 2 Land Acquisition Cost (Spent through 03.25.16)	11,942,955	11,942,955	-	-		
DCAI - Phase 2 Land Acquisition Costs	6,902,275	-	6,902,275	-	690,171	690,171
DCAI - Phase 2 Temporary Construction Easements	305,945	-	305,945	-	3,054	3,054
DCAI - Phase 3 Land Acquisition Costs	37,953,129	-	37,953,129	-	3,795,288	3,795,288
DCAI - Phase 3 Temporary Construction Easements	766,928	-	766,928	-		
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	136,589,980	4,955,258	131,634,722	-	10,048,770	10,048,770
SEAI - Southern Embankment Land Acquisition Costs	6,246,600	539,360	5,707,240	-	10,048,770	10,048,770
SEAI - Southern Embankment Temporary Construction Easements	673,380	-	673,380	-		
SEAI - Rural Residential Acquisition	38,500,000	4,334,457	34,165,543	-	-	-
SEAI - Farmstead Acquisition Costs	54,000,000	1,230	53,998,770	-	-	-
SEAI - Business Acquisition Costs	9,000,000	-	9,000,000	-		
SEAI - Relocation Benefits	28,170,000	80,211	28,089,789	-	-	-
MITIGATION AND ASSOCIATED INFRASTRUCTURE	81,761,211	75,296,447	6,464,764	7,023,661	15,644,852	22,668,513
Obtain Temporary Construction Easement Cost (WP36 - Wild Rice River Dam M	6,000	-	6,000	-	4,176	4,176
Land Acquisition Cost (WP43 all Subpackages)	64,218,158	75,296,447	(11,078,288)	-	15,640,676	15,640,676
WP 43 Golf Club Relocation and Replacement	17,537,052	-	17,537,052	7,023,661	-	7,023,661
WP-38 Upstream Staging	47,160,000	177,399	46,982,601	-	24,844,800	24,844,800
WP38 - Flowage Easement (USACE)	41,280,000	177,399	41,102,601	-	24,844,800	24,844,800
WP38 - Flowage Easement (FEMA, 6")	1,200,000	-	1,200,000	-		
WP38 - Flowage Easement (NDSWC, 925' flat pool)	4,680,000	-	4,680,000	-		
IN-TOWN FLOOD PROTECTION	37,416,136	30,540,233	6,875,902	-	2,726,512	2,726,512
Land Acquisition Cost (WP42 all Subpackages)	37,416,136	30,540,233	6,875,902	-	2,726,512	2,726,512
Engineering & Design Fees	79,703,987	31,424,767	48,279,220	3,276,138	7,417,436	10,693,575
Management, Legal, Financial, Procurement	8,685,616	4,197,640	4,487,976	445,284	1,100,265	1,545,549
Design Project Management Costs	8,685,616	4,197,640	4,487,976	-		
WORK-IN-KIND PROGRAMS (WIK) STUDIES	19,682,433	8,939,983	10,742,450	544,993	1,308,173	1,853,166
Post-Feasibility Analysis	845,983	845,983	(0)	-		
Meander Belt Width Analysis	92,700	399,627	(306,927)	-		
Increased Flows Through Town	195,000	70,742	124,258	-		
Hydraulic Models Update	93,765	1,759,347	(1,665,582)	216,324	-	216,324
General Support - Post Feasibility	393,764	385,424	8,340	-		
General Support - Feasibility Study	108,669	-	108,669	-		
Drain 14	8,340	8,327	14	-		
Extreme Rainfall	102,340	128,964	(26,624)	-		
Lower Rush/Rush Connection	135,232	150,646	(15,414)	-		
Hickson Hydrology Update	20,000	-	20,000	-		
Staging Area Culvert and Bridge Survey	2,422,362	121,725	2,300,637	-		
Eastern Staging Area Evaluation	10,000	64,696	(54,696)	-		

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Water Monitoring Gage Survey	221,000	244,577	(23,577)	-		
Balanced Hydrographs at Hickson, ND	50,000	121,518	(71,518)	-		
Update River and Drain Structures in HEC-RAS Model	25,000	20,081	4,919	-		
Additional Assistance for the Maple River Aquaduct Physical Model	25,000	283,130	(258,130)	-		
Hydrology and Hydraulic Modeling	20,000	-	20,000			
Maximum-Project-Design-Flows	15,000	125,268	(110,268)	-		
Phasing Plan Implementation Modeling	90,000	55,163	34,837	-		
HEC-RAS Model Update	15,000	-	15,000	-		
Update HEC-RAS Model-Connecting Channel and 20 year existing Conditions	9,000	-	9,000			
Initial Geotech	100,000	-	100,000			
Geomorphology Consulting	226,804	196,089	30,715	-		
Cultural Surveys	2,032,078	1,752,696	279,382	145,348	251,786	397,134
Cemetery Berm Conceptual Designs and Rural Water Well Survey	85,000	81,714	3,286	-	-	-
NDSU AG Study	250,000	135,167	114,833	-	-	-
Local Drainage Plan - North	152,330	152,902	(572)	-	-	-
Local Drainage Plan - South	350,000	-	350,000			
Transportation Master Plan - North	73,000	626,959	(553,959)	50,000	-	50,000
I-94 Bridge Master Plan	130,866	78,761	52,105	-	-	-
Transportation Master Plan - South	105,000	-	105,000			
Recreation and Use Master Plan	175,200	470,369	(295,169)	-	-	-
Hydraulic Structure Aesthetic Evaluation	54,000	46,223	7,777	-	-	-
LFC Modeling: Maple River to Diversion Inlet	1,300,000	97,205	1,202,795	-	-	-
Develop Operations and Management Plan	1,000,000	516,679	483,321	133,321	-	133,321
Adaptive Management Plan	500,000	-	500,000		176,880	176,880
Pre-construction Monitoring of DCAI	750,000	-	750,000		130,227	130,227
Pre-construction Monitoring of SEAI	750,000	-	750,000		95,970	95,970
Pre-construction Monitoring of Mitigation	750,000	-	750,000		153,782	153,782
Construction Monitoring of DCAI	2,000,000	-	2,000,000		-	-
Construction Monitoring of SEAI	2,000,000	-	2,000,000		226,883	226,883
Construction Monitoring of Mitigation	2,000,000	-	2,000,000		272,645	272,645
INDICATIVE DESIGN	14,469,297	6,683,425	7,785,872	207,092	-	207,092
Design Cost (WP-11 / CR 20 Bridge)	771,000	-	771,000	-	-	-
Design Cost (WP-07 / CR 32 Bridge (within Reach 4) & CR 22 Bridge (within Reach 4))	1,566,000	-	1,566,000	-	-	-
Design Cost (WP-02/CR31 Bridge)	891,000	-	891,000	-	-	-
Design Cost (WP-28 / Cass County Road 16 and 17 Bridge)	980,000	1,209,769	(229,769)	18,224	-	18,224
Design Cost (WP-01/Reach 1 & Outlet)	2,610,787	886,999	1,723,788	50,000	-	50,000
Design Cost (WP-03/Reach 2)	910,319	2,448,035	(1,537,716)	75,000	-	75,000
Design Cost (WP-06A / Reach 4)	1,541,585	1,545,790	(4,205)	20,000	-	20,000
Design Cost (WP-08A / Reach 5)	1,289,707	-	1,289,707			
Design Cost (WP-04/I-29 & CR 81 Bridges)	2,448,300	-	2,448,300			
Design Cost (WP-10A / Reach 6)	342,780	592,833	(250,053)	43,868	-	43,868
Design Cost (WP-06B / Rush River Inlet)	686,479	-	686,479			
Design Cost (WP-08B / Lower Rush River Inlet)	431,340	-	431,340			
(LERRDs) - LAND, EASEMENTS, ROW, RELOCATION & DISPOSAL AREAS (F)	534,000	288,668	245,332	62,983	-	-

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Utility Master Plan - North	340,000	288,668	51,332	62,983	-	62,983
Utility Master Plan - South	194,000	-	194,000			
PERMITTING	11,541,039	2,846,449	8,694,590	2,015,786	1,393,491	3,409,278
Permitting Costs = (PSWIK 14 - Permitting)	7,881,039	138,777	7,742,262	1,547,154	1,393,491	2,940,645
MN EIS - Draft	3,000,000	2,326,472	673,528	-	-	-
MN EIS Scoping Document Support	650,000	8,503	641,497	-	-	-
MN EIS Preparation Support	10,000	372,697	(362,697)	468,632	-	468,632
CERTIFICATION	2,050,000	-	2,050,000	-	138,950	138,950
USACE Certification for DCAI	1,000,000	-	1,000,000			
USACE Certification for SEAI	250,000	-	250,000			
FEMA Certification (LOMR) for Project	250,000	-	250,000			
Mitigation Certification	50,000	-	50,000			
USACE Certification for Pkg-42	250,000	-	250,000		138,950	138,950
USACE Certification for Pkg-43	250,000	-	250,000			
FMDA DETENTION FUNDING	3,000,000	500,000	2,500,000	-	400,000	400,000
Budget note placeholder \$25M Budget per " Fargo-Moorhead Diversion Author	2,354,620	-	2,354,620	-	400,000	400,000
Halstead Upstream Retention Study	500,000	500,000	-	-	-	-
BoisdeSioux Brandrup Budget Holder	32,980	-	32,980			
BoisdeSioux Redpath Budget Holder	90,000	-	90,000			
BoisdeSioux Western 32 Budget Holder	22,400	-	22,400			
OTHER MITIGATION PROJECTS	19,741,602	7,968,601	11,773,001	-	3,076,557	3,076,557
Design Cost (USACE Lead) (WP36 - Wild Rice River Dam Mitigation)	144,000	-	144,000		50,254	50,254
Design Cost (WP40 - Drayton Dam Mitigation)	480,000	-	480,000		237,341	237,341
Design Cost (WP41 - Future Stream Mitigation)	120,000	-	120,000		98,449	98,449
Design Cost (WP42 all Subpackages)	11,000,000	7,968,601	3,031,399	-	1,382,103	1,382,103
Design Cost (WP43 all Subpackages)	7,000,000	-	7,000,000	-	654,205	654,205
Design Cost (WP43O - OHB Ring Levee Recreation)	162,602	-	162,602		654,205	654,205
Design Cost (WP49C - Cultural Remedialtion Phase 1)	35,000	-	35,000			
Design Cost (WP52 - Comstock Ring Levee)	800,000	-	800,000			
ENABLING WORK	835,968	-	835,968	-	-	-
Design Cost (WP49B - Phase 3 Demolition)	51,968	-	51,968			
Design Cost (WP28 - Cass County Road 16 and 17 Bridge)	784,000	-	784,000			
Program Management	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Management, Legal, Financial, Procurement	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Program Management Costs = (PSO 02 - PMC and PA (General Program))	99,344,460	23,895,310	75,449,151	-	11,070,839	11,070,839
Program Financial Services	2,500,000	2,012,190	487,811	-	1,210,553	1,210,553
DA Legal Services	5,000,000	4,759,214	240,786	-	1,500,000	1,500,000
CCJWRD Legal Services	5,000,000	1,466,245	3,533,755	-	450,000	450,000
Outreach Costs = (PSWIK 18 - Outreach)	7,881,039	120,736	7,760,303	-	1,015,804	1,015,804
Contingency	159,898,584	-	159,898,584	-	804,879	804,879
SYSTEM WIDE	21,795,449	-	21,795,449	-	116,423	116,423

**FM Area Diversion Project
FY2017 CASH BUDGET**

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Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	47,173,841	-	47,173,841	-	-	-
DCAI Contingency	47,173,841	-	47,173,841			
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	38,696,058	-	38,696,058	-	1,340	1,340
SEAI Contingency	26,773,933	-	26,773,933		502	502
Construction Contingency (WP26 - Diversion Inlet Structure)	2,395,564	-	2,395,564		838	838
Construction Contingency (WP27 - Red River West Embankment)	782,460	-	782,460			
Construction Contingency (WP29 - Red River East Embankment)	402,092	-	402,092			
Construction Contingency (WP30 - Wild Rice River Control Structure)	1,240,867	-	1,240,867			
Construction Contingency (WP31 - I-29 Interchange)	1,439,375	-	1,439,375			
Construction Contingency (WP33 - Cass County Road 81 Bridge)	136,794	-	136,794			
Construction Contingency (WP35 - Red River Control Structure)	2,204,204	-	2,204,204			
Construction Contingency (WP39 - Overflow Embankment)	456,740	-	456,740			
Construction Contingency (WP46 - Phase 2 Utility Performed Relocations)	450,000	-	450,000			
Construction Contingency (WP47 - Phase 2 DA Contracted Utility Relocations)	50,000	-	50,000			
Construction Contingency (WP50 - Demolition SEAI)	536,191	-	536,191			
Construction Contingency (WP51 - Recreation SEAI)	406,504	-	406,504			
Construction Contingency (WP53 - BNSF Moorhead Line Raise)	1,130,532	-	1,130,532			
Construction Contingency (WP54 - Hwy 75 Road Raise)	290,802	-	290,802			
OTHER MITIGATION PROJECTS	40,891,969	-	40,891,969	-	192,764	192,764
Mitigation and Associated Infrastructure Contingency	32,893,343	-	32,893,343		158,940	158,940
Construction Contingency (WP36 - Wild Rice River Dam Mitigation)	72,000	-	72,000			
Construction Contingency (WP40 - Drayton Dam Mitigation)	240,000	-	240,000			
Construction Contingency (WP41 - Future Stream Mitigation)	60,000	-	60,000			
Construction Contingency (WP43 all Subpackages) moved from CT-67750 & CT-	7,000,000	-	7,000,000		33,824	33,824
Construction Contingency (WP430 - OHB Ring Levee Recreation)	101,626	-	101,626			
Construction Contingency (WP49C - Cultural Remediation Phase 1)	25,000	-	25,000			
Construction Contingency (WP52 - Comstock Ring Levee)	500,000	-	500,000			
IN-TOWN FLOOD PROTECTION	10,101,623	-	10,101,623	-	489,833	489,833
Construction Contingency (WP42A1A3 - Dwtm Levees 4th St. S Pump Station an	2,260,246	-	2,260,246			
Construction Contingency (WP42A2 - Dwtm Levees 2nd St. North Pump Station)	1,068,577	-	1,068,577			
Construction Contingency (WP42C1 - Dwtm Levees HoJo's Shakeys Fargo Public	147,947	-	147,947			
Construction Contingency (WP42C2 - Dwtm Levees Park East Demo)	124,031	-	124,031			
Construction Contingency (WP42D1 - 1st St. From 2nd To 4th and 4th St. From	244,654	-	244,654			
Construction Contingency (WP42D3 - Floodwall At 1st Ave. Bridge)	122,327	-	122,327			
Construction Contingency (WP42D4 - Xcel Energy)	122,327	-	122,327			
Construction Contingency (WP42D5 - Main Ave. Pump Station and Floodwall Uf	122,327	-	122,327		181,163	181,163
Construction Contingency (WP42E - Dwtm Levees Main Ave. Lift Station and Gat	369,867	-	369,867		232,011	232,011
Construction Contingency (WP42F1S - Dwtm Levees 2nd St. N. South of Pump S	2,028,255	-	2,028,255			
Construction Contingency (WP42F1N - Dwtm Levees 2nd St. N. North of Pump S	1,690,650	-	1,690,650			
Construction Contingency (WP42F2 - Dwtm Levees 2nd St. South)	616,446	-	616,446			
Construction Contingency (WP42G - Dwtm Levees Landscaping and Planting)	369,867	-	369,867		69,265	69,265
Construction Contingency (WP42H2 - Dwtm Levees El Zagal Area Phase 2)	190,217	-	190,217			
Construction Contingency (WP42I1 - Dwtm Levees Mickelson Levee Extension)	119,330	-	119,330			
Construction Contingency (WP42J - Dwtm Levees Recreation)	101,626	-	101,626			
Construction Contingency Costs (WP42 all Subpackages)	402,929	-	402,929		7,393	7,393

**FM Area Diversion Project
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Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
ENABLING WORK	1,239,644	-	1,239,644	-	4,519	4,519
Enabling Contingency	843,135	-	843,135			
Construction Contingency WP49B - Phase 3 Demolition)	23,911	-	23,911			
Construction Contingency (WP28 - Cass County Road 16 and 17 Bridge)	372,598	-	372,598		4,519	4,519
Debt Service					1,838,108	1,838,108
Maintenance					100,000	100,000

Draft FY 2017 Cash Budget

RESOURCE LEVEL

Budget Categories – Per Requested Categories



FM Area Diversion Project
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Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
PROGRAM	2,205,566,043	323,987,814	1,881,578,229	45,737,957	192,805,573	238,543,531
Diversion Channel & Assoc. Infrastructure	763,768,516	2,552,324	761,216,192	8,411,973	7,664,025	16,075,999
Management, Legal, Financial, Procurement	9,750,000	2,552,324	7,197,676	637,473	7,664,025	8,301,499
Develop RFQ (DCAI)	250,000	-	250,000			
DCAI Procurement Costs (DCAI)	1,000,000	123,149	876,851	637,473	3,976,205	4,613,679
HOUSTON-MOORE GROUP LLC		123,149		637,473	75,000	712,473
Stipends for Respondents (\$1M ea for 3)		-		-	3,000,000	3,000,000
CH2M HILL / AE2S		-		-	901,205	901,205
PPP Financial Services	3,500,000	921,640	2,578,360	-	1,628,686	1,628,686
ERNST & YOUNG		921,640		-	728,686	728,686
AON RISK SERVICES CENTRAL INC				-	900,000	900,000
PPP Legal Services	5,000,000	1,507,535	3,492,465	-	2,059,134	2,059,134
AON RISK SERVICES CENTRAL INC		39,042		-	80,000	80,000
ASHURST LLP		1,468,493		-	1,979,134	1,979,134
Channel - Construction	754,018,516	-	754,018,516	7,774,500	-	7,774,500
Channel - Utility Relocations	13,851,609	-	13,851,609	7,774,500	-	7,774,500
Cass Rural Water				465,000		465,000
Cass County Electric				696,000		696,000
Cenex				1,203,000		1,203,000
Century Link				219,000		219,000
Midcontinent Communications				87,500		87,500
WAPA				650,000		650,000
Magellan				900,000		900,000
Minnkota Power				3,554,000		3,554,000
DCAI CM Costs	40,018,059	-	40,018,059			
DCAI Design Build	700,148,848	-	700,148,848			
			-		-	
Southern Embankment & Assoc. Infrastructure	371,353,664	51,929,000	319,424,664	-	100,000	100,000
WP-26 Diversion Inlet	68,743,917	-	68,743,917	-	-	-
Design Cost (WP26 - Diversion Inlet Structure)	4,355,570	-	4,355,570			
Construction (WP26 - Diversion Inlet Structure)	59,889,093	-	59,889,093			
CM Costs (WP26 - Diversion Inlet Structure) Preload)	3,415,075	-	3,415,075			
SDC Costs (WP26 - Diversion Inlet Structure)	1,084,179	-	1,084,179			
WP-27 Red River - West Embankment	18,050,477	-	18,050,477	-	-	-
Design Cost (WP27 - Red River West Embankment)	1,138,123	-	1,138,123			
Construction (WP27 - Red River West Embankment)	15,649,195	-	15,649,195			
CM Costs (WP27 - Red River West Embankment)	958,777	-	958,777			
SDC Costs (WP27 - Red River West Embankment)	304,382	-	304,382			
WP-29 Red River - East Embankment	15,652,398	-	15,652,398	-	-	-

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Design Cost (WP29 - Red River East Embankment)	974,770	-	974,770			
Construction (WP29 - Red River East Embankment)	13,595,769	-	13,595,769			
CM Costs (WP29 - Red River East Embankment)	821,165	-	821,165			
SDC Costs (WP29 - Red River East Embankment)	260,694	-	260,694			
WP-30 Wild Rice River Control Structure	35,608,353	-	35,608,353	-	-	-
Design Cost (WP30 - Wild Rice River Control Structure)	2,256,122	-	2,256,122			
Construction (WP30 - Wild Rice River Control Structure)	31,021,683	-	31,021,683			
CM Costs (WP30 - Wild Rice River Control Structure)	1,768,959	-	1,768,959			
SDC Costs (WP30 - Wild Rice River Control Structure)	561,589	-	561,589			
WP-31 I-29 NS Bridge	55,281,013	-	55,281,013	-	-	-
Design Cost (WP31 - I-29 Interchange)	3,489,394	-	3,489,394			
<i>HOUSTON-MOORE GROUP LLC</i>		-				
Construction (WP31 - I-29 Interchange)	47,979,164	-	47,979,164			
CM Costs (WP31 - I-29 Interchange)	2,893,773	-	2,893,773			
SDC Costs (WP31 - I-29 Interchange)	918,682	-	918,682			
WP-33 CR81 Bridge	5,253,756	-	5,253,756	-	-	-
Design Cost (WP33 - Cass County Road 81 Bridge)	331,622	-	331,622			
Construction (WP33 - Cass County Road 81 Bridge)	4,559,808	-	4,559,808			
CM Costs (WP33 - Cass County Road 81 Bridge)	275,017	-	275,017			
SDC Costs (WP33 - Cass County Road 81 Bridge)	87,309	-	87,309			
WP-35 Red River Control Structure	63,252,598	-	63,252,598	-	-	-
Design Cost (WP35 - Red River Control Structure)	4,007,644	-	4,007,644			
Construction (WP35 - Red River Control Structure)	55,105,104	-	55,105,104			
CM Costs (WP35 - Red River Control Structure)	3,142,276	-	3,142,276			
SDC Costs (WP35 - Red River Control Structure)	997,574	-	997,574			
WP-39 Overflow Embankment	10,536,493	-	10,536,493	-	-	-
Design Cost (WP39 - Overflow Embankment)	664,350	-	664,350			
Construction (WP39 - Overflow Embankment)	9,134,807	-	9,134,807			
CM Costs (WP-39 /Overflow Embankment)	559,661	-	559,661			
SDC Costs (WP39 - Overflow Embankment)	177,675	-	177,675			
WP-46 Utilities	8,477,533	-	8,477,533	-	-	-
Design Cost (WP46 - Phase 2 Utility Performed Relocations)	724,500	-	724,500			
Construction (WP46 - Phase 2 Utility Performed Relocations)	6,894,000	-	6,894,000			
CM Costs (WP46 - Phase 2 Utility Performed Relocations)	652,033	-	652,033			
SDC Costs (WP46 - Phase 2 Utility Performed Relocations)	207,000	-	207,000			
WP-47 Utilities	1,175,448	-	1,175,448	-	-	-
Design Cost (WP47 - Phase 2 DA Contracted Utility Relocations)	80,000	-	80,000			
Construction (WP47 - Phase 2 DA Contracted Utility Relocations)	1,000,000	-	1,000,000			

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CM Costs (WP47 - Phase 2 DA Contracted Utility Relocations)	72,448	-	72,448			
SDC Costs (WP47 - Phase 2 DA Contracted Utility Relocations)	23,000	-	23,000			
WP-50 Phase II Demo	12,364,450	-	12,364,450	-	-	-
Design Cost (WP50 - Demolition SEAI)	726,082	-	726,082			
Demolition, Under Embankment Footprint (WP50 - Demolition SEAI)	10,723,824	-	10,723,824			
CLAY COUNTY AUDITOR		-				
CM Costs (WP50 - Demolition SEAI)	604,290	-	604,290			
SDC Costs (WP50 - Demolition SEAI)	310,254	-	310,254			
WP-51 Recreation	9,528,439	-	9,528,439	-	-	-
Design Cost (WP51 - Recreation SEAI)	650,406	-	650,406			
Install Recreation Features Phase 2 (WP51 - Recreation SEAI)	5,691,057	-	5,691,057			
Plant Native Vegetation (WP51 - Recreation SEAI)	2,439,024	-	2,439,024			
CM Costs Phase 2 (WP51 - Recreation SEAI)	585,350	-	585,350			
SDC Costs (WP51 - Recreation)	162,602	-	162,602			
WP-53 BNSF Moorhead Line Raise	44,008,615	-	44,008,615	-	-	-
Design Cost (WP53 - BNSF Moorhead Line Raise)	2,740,683	-	2,740,683			
Construction (WP53 - BNSF Moorhead Line Raise)	38,226,153	-	38,226,153			
CM Costs (WP53 - BNSF Moorhead Line Raise)	2,308,806	-	2,308,806			
SDC Costs (WP53 - BNSF Moorhead Line Raise)	732,973	-	732,973			
WP-54 - Hwy 75 Road Raise	11,320,174	-	11,320,174	-	-	-
Design Cost (WP54 - Hwy 75 Road Raise)	704,976	-	704,976			
Construction (WP54 - Hwy 75 Road Raise)	9,832,772	-	9,832,772			
CM Costs (WP54 - Hwy 75 Road Raise)	593,886	-	593,886			
SDC Costs (WP54 - Hwy 75 Road Raise)	188,540	-	188,540			
USACE Local Share \ Management Oversight	12,100,000	51,929,000	(39,829,000)	-	100,000	100,000
Corps Oversight	12,000,000	-	12,000,000		100,000	100,000
DA Payments to USACE	-	51,929,000	(51,929,000)			
CITY OF FARGO-AUDITORS OFFICE		-				
ARMY CORP OF ENGINEERS		51,929,000				
Construction Management with the Corp (USACE)	100,000	-	100,000			
Other Mitigation Projects	53,792,867	7,310,689	46,482,178	14,956,692	9,289,556	24,246,248
WP-36 Wild Rice Dam Mitigation	2,027,696	-	2,027,696	-	-	-
Construction (WP36 - Wild Rice River Dam Mitigation)	1,800,000	-	1,800,000			
CM Costs (WP36 - Wild Rice River Dam Mitigation)	137,696	-	137,696			
SDC Costs (WP36 - Wild Rice River Dam Mitigation)	90,000	-	90,000			
WP-40 Drayton Dam Mitigation	6,758,988	-	6,758,988	-	-	-
Construction (WP40 - Drayton Dam Mitigation)	6,000,000	-	6,000,000			

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CM Costs (WP40 - Drayton Dam Mitigation)	458,988	-	458,988			
SDC Costs (WP40 - Drayton Dam Mitigation)	300,000	-	300,000			
WP-41 Buffalo River Mitigation	1,689,747	-	1,689,747	-	-	-
Construction (WP41 - Future Stream Mitigation)	1,500,000	-	1,500,000			
CM Costs (WP41 - Future Stream Mitigation)	114,747	-	114,747			
SDC Costs (WP41 - Future Stream Mitigation)	75,000	-	75,000			
WP-43 Oxbow-Hickson-Bakke	42,773,436	7,310,689	35,462,747	14,956,692	9,289,556	24,246,248
Construction/Demolition (WP43 all Subpackages)	36,000,000	5,517,134	30,482,866	14,082,610	7,945,144	22,027,753
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		5,181,882		-		-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>DUCKS UNLIMITED</i>		587,180		-		-
<i>MOORE ENGINEERING INC</i>		-		-		-
<i>OXBOW, CITY OF</i>		-		-		-
<i>Riley Bros</i>		(256,933)		-		-
<i>Turfworks</i>		5,005		-		-
<i>WP-43A 2014</i>		-		382,666		382,666
<i>333 Schnell Demo</i>		-		251,928		251,928
<i>WP-43B/D/E: Pump Station, Gatewell, Road Raise, Levee</i>		-		10,000,000		10,000,000
<i>Oxbow Development (OJDA)</i>		-		636,000		636,000
<i>Cass Rural Water District (Utility Relocate)</i>		-		761,000		761,000
<i>Cass County Electric (Utility Relocate)</i>		-		806,749		806,749
<i>Sprint (Utility Relocate)</i>		-		350,000		350,000
<i>Red River Communications (Utility Relocate)</i>		-		52,230		52,230
<i>Midcontinent Communications (Utility Relocate)</i>		-		391,036		391,036
<i>City of Fargo (Utility Relocate)</i>		-		451,000		451,000
<i>Construction/Demolition (WP43 all Subpackages)</i>		-		-	7,945,144	7,945,144
CM Costs (WP43 all Subprojects)	2,753,928	1,640,849	1,113,079	-	428,980	428,980
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		1,627,449		-		
<i>CH2M Engineers Inc</i>		13,400		-	428,980	428,980
SDC Costs (WP43 all Subprojects)	1,800,000	152,706	1,647,294	874,082	808,188	1,682,270
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		152,706		-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-	-	-
<i>Materials Testing (Braun [WP43]; Terracon [WP42])</i>		-		839,000	-	839,000
<i>HOUSTON-MOORE GROUP LLC</i>		-		-	808,188	808,188
<i>Other</i>		-		35,082	-	35,082
Install Recreation Features (WP43O - OHB Ring Levee Recreation)	1,422,764	-	1,422,764	-	-	-
Plant Native Vegetation (WP43O - OHB Ring Levee Recreation)	609,756	-	609,756	-	-	-
CM Costs (WP43O - OHB Ring Levee Recreation)	146,338	-	146,338	-	107,245	107,245
<i>CH2M Engineers Inc</i>					107,245	107,245
SDC Costs (WP43O - OHB Ring Levee Recreation)	40,650	-	40,650	-	-	-

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WP-49 Cultural Remediation	542,999	-	542,999	-	-	-
Cultural Remediation (WP49C - Cultural Remedialtion Phase 1)	500,000	-	500,000			
CM Costs (WP49C - Cultural Remedialtion Phase 1)	31,499	-	31,499			
SDC Costs (WP49C - Cultural Remedialtion Phase 1)	11,500	-	11,500			
WP-52 Comstock Ring Levee	10,919,981	-	10,919,981	-	-	-
Construction (WP52 - Comstock Ring Levee)	10,000,000	-	10,000,000			
CM Costs (WP52 - Comstock Ring Levee)	719,981	-	719,981			
SDC Costs (WP52 - Comstock Ring Levee)	200,000	-	200,000			
In-Town Flood Protection	204,863,752	69,687,190	135,176,562	11,838,039	40,369,143	52,207,182
WP-42 In-Town Levees	100,714,949	69,687,190	31,027,759	11,838,039	9,226,148	21,064,187
CM Costs (WP42 all Subpackages)	6,272,838	522,313	5,750,525			
CH2M Engineers Inc		522,313			536,225	536,225
SDC Costs (WP42 Red River Levees all Subprojects)	6,560,000	8,942,841	(2,382,841)	-	1,650,000	1,650,000
CASS COUNTY JOINT WATER RESOURCE DI		2,603,275				
CH2M Engineers Inc		1,385,212			-	-
CITY OF FARGO-AUDITORS OFFICE		-				
HOUSTON-MOORE GROUP LLC		4,280,252			1,500,000	1,500,000
TERRACON CONSULTING ENGINEERS		674,101			150,000	150,000
Construction (WP42A1A3 - Dwtn Levees 4th St. S Pump Station and Floodwall)	18,534,020	16,294,991	2,239,029	-	1,586,507	1,586,507
BNSF RAILWAY CO		1,550		-		
CITY OF FARGO-AUDITORS OFFICE		-		-		
INDUSTRIAL CONTRACT SERVICES INC		16,293,441		-	1,586,507	1,586,507
		-				
Construction (WP42A2 - Dwtn Levees 2nd St. North Pump Station)	8,762,333	8,683,650	78,683	357,741	-	357,741
INDUSTRIAL BUILDERS INC		8,683,650		357,741	-	357,741
Demolition (WP42C1 - Dwtn Levees HoJo's Shakeys Fargo Public Schools Demo)	1,213,165	894,165	319,000	1,206,718	-	1,206,718
LANDWEHR CONSTRUCTION INC		894,165		1,206,718	-	1,206,718
Demolition (WP42C2 - Dwtn Levees Park East Demo)	1,017,057	1,169,652	(152,595)	1,566,384	-	1,566,384
INDUSTRIAL CONTRACT SERVICES INC		-		-		-
LANDWEHR CONSTRUCTION INC		1,169,652		1,566,384		1,566,384
Construction Cost (WP42D1 - 1st St. From 2nd To 4th and 4th St. From 1st to 7th)	5,506,169	4,843,209	662,959	1,352,915	-	1,352,915
702 COMMUNICATIONS		266,892		59,352		59,352
AEVENIA, INC		-		-		-
AT&T		444,166		162,366		162,366
CABLE ONE (FARGO)		-		148,511		148,511
CASS COUNTY JOINT WATER RESOURCE DI		-		-		-

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<i>CENTURYLINK COMMUNICATIONS</i>		2,659,920		-		-
<i>City of Fargo</i>		312,156		-		-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>CONSOLIDATED COMMUNICATIONS</i>		1,024,585		-		-
<i>ENVENTIS</i>		115,686		982,686		982,686
<i>ONE</i>		3,575		-		-
<i>PRIMORIS AEVENIA INC</i>		16,230		-		-
<i>XCEL ENERGY-FARGO</i>		-		-		-
Construction Cost (WP42D3 - Floodwall At 1st Ave. Bridge)	1,003,084	74,196	928,888	-		
<i>CENTURYLINK COMMUNICATIONS</i>		74,196		-		-
Construction Cost (WP42D4 - Xcel Energy)	1,003,084	190,531	812,553	874,255	326,040	1,200,295
<i>XCEL ENERGY-FARGO</i>		190,531		874,255	326,040	1,200,295
Construction Cost (WP42D5 - Main Ave. Pump Station and Floodwall Utility)	1,003,084		1,003,084	-	1,003,084	1,003,084
<i>New Work</i>		-		-	1,003,084	1,003,084
Construction (WP42D6 - 2nd Street South Levee)	1,003,084		1,003,084			
Construction (WP42E - Dwtm Levees Main Ave. Lift Station and Gatewell)	3,032,913		3,032,913	-	935,148	935,148
<i>New Work</i>		-		-	935,148	935,148
Construction (WP42F1S - Dwtm Levees 2nd St. N. South of Pump Station)	16,631,688	15,571,880	1,059,808	2,362,137	-	2,362,137
<i>AT&T</i>		125,238		-		-
<i>INDUSTRIAL BUILDERS INC</i>		15,446,642		2,362,137	-	2,362,137
Construction (WP42F1N - Dwtm Levees 2nd St. N. North of Pump Station)	13,863,327	10,256,611	3,606,716	2,927,590	-	2,927,590
<i>INDUSTRIAL BUILDERS INC</i>		10,256,611		2,927,590	-	2,927,590
Construction (WP42F2 - Dwtm Levees 2nd St. South)	5,054,855	491,356	4,563,500	-	-	-
<i>HOUGH INC</i>		491,356		-		
Construction (WP42G - Dwtm Levees Landscaping and Planting)	3,032,913	-	3,032,913	-	3,032,913	3,032,913
<i>New Work</i>		-		-	3,032,913	3,032,913
Construction (WP42H1 - Dwtm Levees El Zagal Area Phase 1)	248,903	248,903	-	-	-	-
<i>Reiner Contracting Inc</i>		248,903		-	-	-
Demolition/Construction (WP42H2 - Dwtm Levees El Zagal Area Phase 2)	3,611,817	1,228,359	2,383,458	30,299	-	30,299
<i>Reiner Contracting Inc</i>		1,228,359		30,299	-	30,299
Construction (WP42I1 - Dwtm Levees Mickelson Levee Extension)	978,504	274,534	703,970	1,160,000	-	1,160,000
<i>INDUSTRIAL BUILDERS INC</i>		274,534		1,160,000	-	1,160,000

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Design Cost (WP42J - Dwtm Levees Recreation)	162,602	-	162,602	-	156,231	156,231
<i>New Work</i>				-	156,231	156,231
Install Recreation Features (WP42J - Dwtm Levees Recreation)	1,422,764	-	1,422,764			
Plant Native Vegetation (WP42J - Dwtm Levees Recreation)	609,756	-	609,756			
CM Costs (WP42J - Dwtm Levees Recreation)	146,338	-	146,338			
SDC Costs (WP42J - Dwtm Levees Recreation)	40,650	-	40,650			
Complementary In-Town Flood Protection	104,148,803	-	104,148,803	-	31,142,995	31,142,995
Complementary In Town Flood Protection FY 2017	104,148,803	-	104,148,803		24,843,835	24,843,835
Complementary In Town Flood Protection Previous					6,299,160	6,299,160
Enabling Work / Other	14,113,749	-	14,113,749	-	9,810,803	9,810,803
Demolition	508,353	-	508,353	-	-	-
Demolition (WP49B - Phase 3 Demolition)	478,225	-	478,225			
CM Costs (WP49B - Phase 3 Demolition)	30,128	-	30,128			
WP-28 - Cass County Road 16 and 17 Bridge	13,605,396	-	13,605,396	-	9,810,803	9,810,803
Construction (WP28 - Cass County Road 16 and 17 Bridge)	12,419,936	-	12,419,936		9,190,753	9,190,753
CM Costs (WP28 - Cass County Road 16 and 17 Bridge)	899,801	-	899,801		491,504	491,504
SDC Costs (WP28 - Cass County Road 16 and 17 Bridge)	285,659	-	285,659		128,547	128,547
Land Acquisition & Mitigation	389,173,341	98,289,916	290,883,424	7,255,115	100,164,426	107,419,540
Management, Legal, Financial, Procurement	51,463,000	5,917,857	45,545,143	231,454	10,006,593	10,238,047
DCAI - Relocation Benefits	3,130,000	-	3,130,000		2,180,000	2,180,000
Land Management Evaluation #1	50,000	-	50,000			-
<i>GEOKON INC</i>		-				-
Land Acquisition Services Costs	48,283,000	5,917,857	42,365,143	231,454	7,826,593	8,058,047
<i>Border Appraisals</i>		9,300		-	-	-
<i>CLAY COUNTY AUDITOR</i>		34,181		-	-	-
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		4,075,679		-	744,032	744,032
<i>CASS COUNTY RECORDER</i>		-		-	-	-
<i>CENTURYLINK COMMUNICATIONS</i>		-		-	-	-
<i>CH2M Engineers Inc / AE2S</i>		295,114		-	3,337,756	3,337,756
<i>CURTIS LOCK & KEY SERVICE INC</i>		138		-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		(233,296)		-	-	-
<i>DAWSON INSURANCE AGENCY</i>		391		-	-	-
<i>DONS PLUMBING</i>		240		-	-	-
<i>ERIK R JOHNSON & ASSOCIATES</i>		3,767		-	-	-
<i>HOUSTON-MOORE GROUP LLC</i>		670,671		231,454	457,538	688,992
<i>KENNELLY & OKEEFFE</i>		281,555		-	-	-
<i>Larkin Hoffman Attorneys</i>		24,493		-	93,600	93,600
<i>MOORE ENGINEERING INC</i>		29,791		-	-	-
<i>MCKINZIE METRO APPRAISAL</i>		3,200		-	-	-

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<i>MOORHEAD, CITY OF</i>		15,063		-	-	-
<i>OHNSTAD TWICHELL PC</i>		227,408		-	625,440	625,440
<i>OIN</i>		90		-	-	-
<i>OXBOW, CITY OF</i>		-		-	-	-
<i>PROSOURCE TECHNOLOGIES, INC</i>		388,060		-	679,548	679,548
<i>RED RIVER TITLE SERVICES INC</i>		675		-	-	-
<i>RED RIVER VALLEY COOPERATIVE ASSOC</i>		537		-	-	-
<i>Steve Herzog - CCJWRD</i>		12,437		-	69,626	69,626
<i>TRIO ENVIRONMENTAL CONSULTING INC</i>		748		-	-	-
<i>ULTEIG ENGINEERS INC</i>		72,982		-	1,819,052	1,819,052
<i>You've Been Served</i>		4,634		-	-	-
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	72,199,150	11,942,955	60,256,195	-	36,892,899	36,892,899
DCAI - Phase 1 Land Acquisition Costs	14,074,041	-	14,074,041	-	31,756,660	31,756,660
<i>OIN</i>		-			31,756,660	31,756,660
DCAI - Phase 1 Temporary Construction Easements	253,877	-	253,877		647,726	647,726
DCAI - Phase 2 Land Acquisition Cost (Spent through 03.25.16)	11,942,955	11,942,955	-	-		
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		2,103,215		-		-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>OIN</i>		9,839,740		-		-
DCAI - Phase 2 Land Acquisition Costs	6,902,275	-	6,902,275	-	690,171	690,171
<i>OIN</i>		-		-	690,171	690,171
DCAI - Phase 2 Temporary Construction Easements	305,945	-	305,945		3,054	3,054
DCAI - Phase 3 Land Acquisition Costs	37,953,129	-	37,953,129		3,795,288	3,795,288
DCAI - Phase 3 Temporary Construction Easements	766,928	-	766,928			
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	136,589,980	4,955,258	131,634,722	-	10,048,770	10,048,770
SEAI - Southern Embankment Land Acquisition Costs	6,246,600	539,360	5,707,240	-	10,048,770	10,048,770
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		196,104		-		-
<i>Commercial Cool Temp</i>		20,317		-		-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>Ferguson Enterprises</i>		496		-		-
<i>HUBER, STEVE</i>		1,056		-		-
<i>OIN</i>		321,386		-	10,048,770	10,048,770
SEAI - Southern Embankment Temporary Construction Easements	673,380	-	673,380			
SEAI - Rural Residential Acquisition	38,500,000	4,334,457	34,165,543	-	-	-
<i>OIN</i>		4,334,457		-		-
SEAI - Farmstead Acquisition Costs	54,000,000	1,230	53,998,770	-	-	-
<i>OIN</i>		1,230		-		-
SEAI - Business Acquisition Costs	9,000,000	-	9,000,000			

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SEAI - Relocation Benefits	28,170,000	80,211	28,089,789	-	-	-
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		80,211		-		-
MITIGATION AND ASSOCIATED INFRASTRUCTURE	81,761,211	75,296,447	6,464,764	7,023,661	15,644,852	22,668,513
Obtain Temporary Construction Easement Cost (WP36 - Wild Rice River Dam M	6,000	-	6,000	-	4,176	4,176
Land Acquisition Cost (WP43 all Subpackages)	64,218,158	75,296,447	(11,078,288)	-	15,640,676	15,640,676
<i>Cass County Electric Cooperative</i>		4,605		-	4,151	4,151
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		25,265,284		-	-	-
<i>CASS COUNTY RECORDER</i>		68		-	-	-
<i>Cass Rural Water</i>		57		-	-	-
<i>CASS COUNTY TREASURER</i>		462,584		-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		3,869,745		-	-	-
<i>COLDWELL BANKER</i>		33,066		-	-	-
<i>COMMERCIAL TITLE LLC</i>		271		-	-	-
<i>Dakota Underground</i>		11,141,626		-	-	-
<i>DUCKS UNLIMITED</i>		-		-	-	-
<i>FORUM COMMUNICATIONS (ADVERT)</i>		970		-	-	-
<i>Frank Pearson</i>		55,500		-	-	-
<i>HOUSTON-MOORE GROUP LLC</i>		(468,152)		-	-	-
<i>HOUGH INC</i>		449,309		-	-	-
<i>HUBER, STEVE</i>		-		-	-	-
<i>INNOVATIVE ABSTRACT & TITLE CO</i>		15,922		-	-	-
<i>KENNELLY & OKEEFFE</i>		1,447,756		-	-	-
<i>KOCHMANN, CARTER</i>		315		-	-	-
<i>Landscapes Unlimited</i>		268,529		-	-	-
<i>MOORE ENGINEERING INC</i>		2,837,512		-	-	-
<i>MCKINZIE METRO APPRAISAL</i>		-		-	-	-
<i>9217 - MIDAMERICASTEEL</i>		5,807,371		-	-	-
<i>NORTHERN TITLE CO</i>		484,016		-	-	-
<i>Oxbow Country Club</i>		311,929		-	310,694	310,694
<i>OHNSTAD TWICHELL PC</i>		2,560		-	-	-
<i>OIN</i>		15,293,505		-	15,105,832	15,105,832
<i>OXBOW, CITY OF</i>		-		-	-	-
<i>Paul Breen</i>		95,625		-	-	-
<i>Pro Sweep</i>		650		-	-	-
<i>RED RIVER TITLE SERVICES INC</i>		630		-	-	-
<i>ROBERT TRENT JONES</i>		-		-	200,000	200,000
<i>Sentry Security, Inc.</i>		9,226		-	10,000	10,000
<i>The Apartment Movers</i>		4,500		-	-	-
<i>TITLE COMPANY</i>		7,884,434		-	-	-
<i>Turman & Lang</i>		4,070		-	-	-
<i>Valley Green & Associates</i>		12,965		-	10,000	10,000
WP 43 Golf Club Relocation and Replacement	17,537,052	-	17,537,052	7,023,661	-	7,023,661
<i>Oxbow Country Club Golf Course (RTJ II)</i>				7,023,661		7,023,661

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WP-38 Upstream Staging	47,160,000	177,399	46,982,601	-	24,844,800	24,844,800
WP38 - Flowage Easement (USACE)	41,280,000	177,399	41,102,601	-	24,844,800	24,844,800
1099 - DUBORD C		177,399		-		
WP38 - Flowage Easement (FEMA, 6")	1,200,000	-	1,200,000			
WP38 - Flowage Easement (NDSWC, 925' flat pool)	4,680,000	-	4,680,000			
IN-TOWN FLOOD PROTECTION	37,416,136	30,540,233	6,875,902	-	2,726,512	2,726,512
Land Acquisition Cost (WP42 all Subpackages)	37,416,136	30,540,233	6,875,902	-	2,726,512	2,726,512
AMERICAN PROPERTIES		4,000		-	-	-
BNSF RAILWAY CO		-		-	-	-
CLAY COUNTY AUDITOR		-		-	-	-
CASS COUNTY JOINT WATER RESOURCE DI		19,986,867		-	-	-
CURTS LOCK & KEY SERVICE INC		-		-	-	-
CITY OF FARGO-AUDITORS OFFICE		(6,982)		-	-	-
CONSOLIDATED COMMUNICATIONS		-		-	-	-
DAWSON INSURANCE AGENCY		-		-	-	-
DONS PLUMBING		-		-	-	-
DUCKS UNLIMITED		-		-	-	-
EL ZAGAL TEMPLE HOLDING CO		76,000		-	-	-
FERRELLGAS		-		-	-	-
HOUSTON-MOORE GROUP LLC		-		-	-	-
INDUSTRIAL BUILDERS INC		-		-	-	-
INDUSTRIAL CONTRACT SERVICES INC		-		-	-	-
JP MORGAN CHASE-LOCKBOX PROCESSING		-		-	-	-
LANDWEHR CONSTRUCTION INC		-		-	-	-
OIN		10,478,379		-	2,726,512	2,726,512
OXBOW, CITY OF		-		-	-	-
PRIMORIS AEVENIA INC		-		-	-	-
RED RIVER VALLEY COOPERATIVE ASSOC		-		-	-	-
TERRACON CONSULTING ENGINEERS		-		-	-	-
TITLE COMPANY		(25)		-	-	-
Valley Green & Associates		1,995		-	-	-
Engineering & Design Fees	79,703,987	31,424,767	48,279,220	3,276,138	7,417,436	10,693,575
Management, Legal, Financial, Procurement	8,685,616	4,197,640	4,487,976	445,284	1,100,265	1,545,549
Design Project Management Costs	8,685,616	4,197,640	4,487,976			
City of Fargo		268,532		-		-
CITY OF FARGO-AUDITORS OFFICE		-		-		-
HOUSTON-MOORE GROUP LLC		3,929,109		445,284	1,100,265	1,545,549
WORK-IN-KIND PROGRAMS (WIK) STUDIES	19,682,433	8,939,983	10,742,450	544,993	1,308,173	1,853,166
Post-Feasibility Analysis	845,983	845,983	(0)	-		
HOUSTON-MOORE GROUP LLC		845,983		-		-
Meander Belt Width Analysis	92,700	399,627	(306,927)	-		
HOUSTON ENGINEERING INC		92,424		-		-

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HOUSTON-MOORE GROUP LLC		307,203		-		-
Increased Flows Through Town	195,000	70,742	124,258	-		
HOUSTON ENGINEERING INC		70,742		-		-
Hydraulic Models Update	93,765	1,759,347	(1,665,582)	216,324	-	216,324
CITY OF FARGO-AUDITORS OFFICE		-		-		-
HOUSTON-MOORE GROUP LLC		1,667,055		216,324		216,324
MOORE ENGINEERING INC		92,292		-		-
General Support - Post Feasibility	393,764	385,424	8,340	-		
BRAUN INTERTEC CORP		77,629		-		-
CASS COUNTY JOINT WATER RESOURCE DI		1,831		-		-
CITY OF FARGO-AUDITORS OFFICE		-		-		-
HOUSTON ENGINEERING INC		108,370		-		-
MOORE ENGINEERING INC		197,595		-		-
General Support - Feasibility Study	108,669	-	108,669			
Drain 14	8,340	8,327	14	-		
MOORE ENGINEERING INC		8,327		-		-
Extreme Rainfall	102,340	128,964	(26,624)	-		
HOUSTON ENGINEERING INC		94,786		-		-
HOUSTON-MOORE GROUP LLC		34,178		-		-
Lower Rush/Rush Connection	135,232	150,646	(15,414)	-		
CITY OF FARGO-AUDITORS OFFICE		-		-		-
HOUSTON-MOORE GROUP LLC		15,415		-		-
MOORE ENGINEERING INC		135,232		-		-
Hickson Hydrology Update	20,000	-	20,000			
Staging Area Culvert and Bridge Survey	2,422,362	121,725	2,300,637	-		
HOUSTON-MOORE GROUP LLC		121,725		-		-
Eastern Staging Area Evaluation	10,000	64,696	(54,696)	-		
HOUSTON-MOORE GROUP LLC		64,696		-		-
Water Monitoring Gage Survey	221,000	244,577	(23,577)	-		
CASS COUNTY JOINT WATER RESOURCE DI		-		-		-
FEMA		7,250		-		-
GEOKON INC		33,815		-		-
HOUSTON-MOORE GROUP LLC		4,019		-		-
IN SITU ENGINEERING		47,973		-		-
US GEOLOGICAL SURVEY		46,920		-		-
UNITED STATES GEOLOGICAL SURVEY		104,600		-		-

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Balanced Hydrographs at Hickson, ND <i>HOUSTON-MOORE GROUP LLC</i>	50,000	121,518 <i>121,518</i>	(71,518)	- -		- -
Update River and Drain Structures in HEC-RAS Model <i>HOUSTON-MOORE GROUP LLC</i>	25,000	20,081 <i>20,081</i>	4,919	- -		- -
Additional Assistance for the Maple River Aquaduct Physical Model <i>HOUSTON-MOORE GROUP LLC</i>	25,000	283,130 <i>283,130</i>	(258,130)	- -		- -
Hydrology and Hydraulic Modeling	20,000	-	20,000			
Maximum-Project-Design-Flows <i>HOUSTON-MOORE GROUP LLC</i>	15,000	125,268 <i>125,268</i>	(110,268)	- -		- -
Phasing Plan Implementation Modeling <i>HOUSTON-MOORE GROUP LLC</i>	90,000	55,163 <i>55,163</i>	34,837	- -		- -
HEC-RAS Model Update <i>HOUSTON-MOORE GROUP LLC</i>	15,000	- -	15,000	- -		- -
Update HEC-RAS Model-Connecting Channel and 20 year existing Conditions	9,000	-	9,000			
Initial Geotech	100,000	-	100,000			
Geomorphology Consulting <i>HOUSTON-MOORE GROUP LLC</i>	226,804	196,089 <i>196,089</i>	30,715	- -		- -
Cultural Surveys	2,032,078	1,752,696	279,382	145,348	251,786	397,134
<i>Beaver Creek Archaeology</i>		<i>70,438</i>		<i>40,562</i>		<i>40,562</i>
<i>CASS COUNTY JOINT WATER RESOURCE DI</i>		-		-		-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>URS CORPORATION</i>		<i>1,682,257</i>		<i>104,787</i>	<i>251,786</i>	<i>356,573</i>
Cemetery Berm Conceptual Designs and Rural Water Well Survey <i>HOUSTON-MOORE GROUP LLC</i>	85,000	81,714 <i>81,714</i>	3,286	- -	-	- -
NDSU AG Study <i>NDSU BUSINESS OFFICE-BOX 6050</i>	250,000	135,167 <i>135,167</i>	114,833	- -	-	- -
Local Drainage Plan - North <i>CITY OF FARGO-AUDITORS OFFICE</i>	152,330	152,902 -	(572)	- -	-	- -
<i>HOUSTON-MOORE GROUP LLC</i>		<i>9,978</i>		-		-
<i>MOORE ENGINEERING INC</i>		<i>142,924</i>		-		-
Local Drainage Plan - South	350,000	-	350,000			
Transportation Master Plan - North <i>CITY OF FARGO-AUDITORS OFFICE</i>	73,000	626,959 -	(553,959)	50,000 -	-	50,000 -

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<i>HOUSTON ENGINEERING INC</i>		47,124		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		579,835		50,000		50,000
I-94 Bridge Master Plan	130,866	78,761	52,105	-	-	-
<i>MOORE ENGINEERING INC</i>		78,761		-		-
Transportation Master Plan - South	105,000	-	105,000			
Recreation and Use Master Plan	175,200	470,369	(295,169)	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON ENGINEERING INC</i>		163,223		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		307,146		-		-
Hydraulic Structure Aesthetic Evaluation	54,000	46,223	7,777	-	-	-
<i>HOUSTON-MOORE GROUP LLC</i>		46,223		-		-
LFC Modeling: Maple River to Diversion Inlet	1,300,000	97,205	1,202,795	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		97,205		-		-
Develop Operations and Management Plan	1,000,000	516,679	483,321	133,321	-	133,321
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		516,679		133,321		133,321
Adaptive Management Plan	500,000	-	500,000		176,880	176,880
Pre-construction Monitoring of DCAI	750,000	-	750,000		130,227	130,227
Pre-construction Monitoring of SEAI	750,000	-	750,000		95,970	95,970
Pre-construction Monitoring of Mitigation	750,000	-	750,000		153,782	153,782
Construction Monitoring of DCAI	2,000,000	-	2,000,000		-	-
Construction Monitoring of SEAI	2,000,000	-	2,000,000		226,883	226,883
Construction Monitoring of Mitigation	2,000,000	-	2,000,000		272,645	272,645
INDICATIVE DESIGN	14,469,297	6,683,425	7,785,872	207,092	-	207,092
Design Cost (WP-11 / CR 20 Bridge)	771,000	-	771,000	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		-		-		-
Design Cost (WP-07 / CR 32 Bridge (within Reach 4) & CR 22 Bridge (within Reach 4))	1,566,000	-	1,566,000	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		-		-		-
Design Cost (WP-02/CR31 Bridge)	891,000	-	891,000	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		-		-		-
Design Cost (WP-28 / Cass County Road 16 and 17 Bridge)	980,000	1,209,769	(229,769)	18,224	-	18,224
<i>HOUSTON-MOORE GROUP LLC</i>		1,209,769		18,224		18,224

FM Area Diversion Project
FY2017 CASH BUDGET

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
Design Cost (WP-01/Reach 1 & Outlet)	2,610,787	886,999	1,723,788	50,000	-	50,000
<i>HOUSTON-MOORE GROUP LLC</i>		886,999		50,000		50,000
Design Cost (WP-03/Reach 2)	910,319	2,448,035	(1,537,716)	75,000	-	75,000
<i>HOUSTON-MOORE GROUP LLC</i>		2,448,035		75,000		75,000
Design Cost (WP-06A / Reach 4)	1,541,585	1,545,790	(4,205)	20,000	-	20,000
<i>HOUSTON-MOORE GROUP LLC</i>		1,545,790		20,000		20,000
Design Cost (WP-08A / Reach 5)	1,289,707	-	1,289,707			
Design Cost (WP-04/I-29 & CR 81 Bridges)	2,448,300	-	2,448,300	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		-		-		-
Design Cost (WP-10A / Reach 6)	342,780	592,833	(250,053)	43,868	-	43,868
<i>HOUSTON-MOORE GROUP LLC</i>		592,833		43,868		43,868
Design Cost (WP-06B / Rush River Inlet)	686,479	-	686,479			
Design Cost (WP-08B / Lower Rush River Inlet)	431,340	-	431,340			
(LERRDs) - LAND, EASEMENTS, ROW, RELOCATION & DISPOSAL AREAS (F)	534,000	288,668	245,332	62,983	-	-
Utility Master Plan - North	340,000	288,668	51,332	62,983	-	62,983
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		288,668		62,983		62,983
Utility Master Plan - South	194,000	-	194,000			
PERMITTING	11,541,039	2,846,449	8,694,590	2,015,786	1,393,491	3,409,278
Permitting Costs = (PSWIK 14 - Permitting)	7,881,039	138,777	7,742,262	1,547,154	1,393,491	2,940,645
<i>BNSF RAILWAY CO</i>		1,375		-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-	-	-
<i>HOUSTON-MOORE GROUP LLC</i>		137,402		185,619	-	185,619
<i>MINNESOTA DNR</i>		-		1,361,535	-	1,361,535
<i>Permit Support Allowance</i>		-			1,393,491	1,393,491
MN EIS - Draft	3,000,000	2,326,472	673,528	-	-	-
<i>DEPT OF NATURAL RESOURCES</i>		1,000		-	-	-
<i>MINNESOTA DNR</i>		2,325,472		-	-	-
MN EIS Scoping Document Support	650,000	8,503	641,497	-	-	-
<i>HOUSTON-MOORE GROUP LLC</i>		8,503		-	-	-
MN EIS Preparation Support	10,000	372,697	(362,697)	468,632	-	468,632
<i>HOUSTON-MOORE GROUP LLC</i>		372,697		468,632	-	468,632

FM Area Diversion Project
FY2017 CASH BUDGET

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
CERTIFICATION	2,050,000	-	2,050,000	-	138,950	138,950
USACE Certification for DCAI	1,000,000	-	1,000,000			
USACE Certification for SEAI	250,000	-	250,000			
FEMA Certification (LOMR) for Project	250,000	-	250,000			
Mitigation Certification	50,000	-	50,000			
USACE Certification for Pkg-42	250,000	-	250,000		138,950	138,950
USACE Certification for Pkg-43	250,000	-	250,000			
FMDA DETENTION FUNDING	3,000,000	500,000	2,500,000	-	400,000	400,000
Budget note placeholder \$25M Budget per "Fargo-Moorhead Diversion Author	2,354,620	-	2,354,620	-	400,000	400,000
<i>BOIS DE SIOUX WATERSHED DISTRI</i>		-		-		-
<i>BUFFALO-RED RIVER WATERSHED DISTRICT</i>		-		-		-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		-		-		-
<i>RED RIVER BASIN COMMISSION</i>		-		-		-
<i>ULTEIG ENGINEERS INC</i>		-		-		-
<i>ARMY CORP OF ENGINEERS</i>		-		-		-
<i>Detention Funding Allowance</i>		-		-	400,000	400,000
Halstead Upstream Retention Study	500,000	500,000	-	-	-	-
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>RED RIVER BASIN COMMISSION</i>		500,000		-		-
BoisdeSioux Brandrup Budget Holder	32,980	-	32,980			
BoisdeSioux Redpath Budget Holder	90,000	-	90,000			
BoisdeSioux Western 32 Budget Holder	22,400	-	22,400			
OTHER MITIGATION PROJECTS	19,741,602	7,968,601	11,773,001	-	3,076,557	3,076,557
Design Cost (USACE Lead) (WP36 - Wild Rice River Dam Mitigation)	144,000	-	144,000		50,254	50,254
Design Cost (WP40 - Drayton Dam Mitigation)	480,000	-	480,000		237,341	237,341
Design Cost (WP41 - Future Stream Mitigation)	120,000	-	120,000		98,449	98,449
Design Cost (WP42 all Subpackages)	11,000,000	7,968,601	3,031,399	-	1,382,103	1,382,103
<i>CITY OF FARGO-AUDITORS OFFICE</i>		-		-		-
<i>HOUSTON-MOORE GROUP LLC</i>		7,968,601		-	761,122	761,122
<i>Design Allowance for new WP42 packages</i>					620,981	620,981
Design Cost (WP43 all Subpackages)	7,000,000	-	7,000,000	-	654,205	654,205
<i>OXBOW, CITY OF</i>		-		-		-
<i>Design Allowance</i>		-		-	654,205	654,205
Design Cost (WP43O - OHB Ring Levee Recreation)	162,602	-	162,602		654,205	654,205
Design Cost (WP49C - Cultural Remedialtion Phase 1)	35,000	-	35,000			
Design Cost (WP52 - Comstock Ring Levee)	800,000	-	800,000			
ENABLING WORK	835,968	-	835,968	-	-	-
Design Cost (WP49B - Phase 3 Demolition)	51,968	-	51,968			

**FM Area Diversion Project
FY2017 CASH BUDGET**

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
Design Cost (WP28 - Cass County Road 16 and 17 Bridge)	784,000	-	784,000			
Program Management	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Management, Legal, Financial, Procurement	119,725,500	32,253,695	87,471,805	-	15,247,196	15,247,196
Program Management Costs = (PSO 02 - PMC and PA (General Program))	99,344,460	23,895,310	75,449,151	-	11,070,839	11,070,839
ACONEX (North America) INC		306,856		-	-	-
BITTNER, MARK H		296		-	-	-
CASS COUNTY JOINT WATER RESOURCE DI		-		-	-	-
CH2M HILL ENGINEERS INC		23,565,819		-	10,550,339	10,550,339
City of Fargo		708		-	-	-
CITY OF FARGO-AUDITORS OFFICE		-		-	-	-
DELTA		614		-	-	-
FORUM COMMUNICATIONS (ADVERT)		1,066		-	3,000	3,000
FORUM COMMUNICATIONS (LEGALS)		2,224		-	3,000	3,000
FEDERAL EXPRESS CORPORATION		72		-	500	500
FREDRIKSON & BYRON, PA		3,500		-	4,000	4,000
GOOGLE LOVEINTHEOVEN		116		-	-	-
NORTH DAKOTA TELEPHONE CO		1,697		-	-	-
ND WATER USERS ASSOCIATN		10,000		-	10,000	10,000
PARKWAY BP		52		-	-	-
SEIGEL COMMUNICATIONS SERVICE LLC		1,490		-	-	-
UNITED		509		-	-	-
WALKER, APRIL		212		-	-	-
ZAVORAL, PAT		79		-	-	-
Other_PGM		-		-	500,000	500,000
		-				
		-				
Program Financial Services	2,500,000	2,012,190	487,811	-	1,210,553	1,210,553
ADVANCED ENGINEERING INC		101,542		-	-	-
CASS COUNTY JOINT WATER RESOURCE DI		639,792		-	-	-
CH2M Hill Engineers Inc		-		-	143,529	143,529
City of Fargo		34,370		-	-	-
CITY OF FARGO-AUDITORS OFFICE		(67,896)		-	-	-
FORUM COMMUNICATIONS (ADVERT)		3,378		-	-	-
GALLAGHER BENEFIT SERVICES INC		250		-	-	-
JP MORGAN CHASE-LOCKBOX PROCESSING		(15,261)		-	-	-
MOORE ENGINEERING INC		14,257		-	50,000	50,000
OHNSTAD TWICHELL PC		-		-	-	-
PFM PUBLIC FINANCIAL MANAGEMENT		96,460		-	-	-
PFM ASSET MANAGEMENT LLC		50,000		-	-	-
SPRINGSTED INCORPORATED		40,321		-	120,000	120,000
US BANK		1,051,350		-	432,000	432,000
WARNER & CO		24,875		-	-	-
Wells Fargo		38,752		-	465,024	465,024
		-				

**FM Area Diversion Project
FY2017 CASH BUDGET**

DRAFT as of 11/22/2016

Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
DA Legal Services	5,000,000	4,759,214	240,786	-	1,500,000	1,500,000
Ashurst, LLP		-		-	-	-
BRIGGS & MORGAN PA		12,728		-	-	-
		30,000		-	-	-
CASS COUNTY JOINT WATER RESOURCE DI		-		-	-	-
CITY OF FARGO-AUDITORS OFFICE		-		-	-	-
DAWSON INSURANCE AGENCY		6		-	-	-
DORSEY & WHITNEY LLP		3,403,067		-	600,000	600,000
ERIK R JOHNSON & ASSOCIATES		500,775		-	120,000	120,000
GRAY PANNELL & WOODWARD LLP		66,301		-	80,000	80,000
NIXON PEABODY LLC		60,000		-	-	-
OHNSTAD TWICHELL PC		686,339		-	700,000	700,000
OXBOW, CITY OF		-		-	-	-
		-				
CCJWRD Legal Services	5,000,000	1,466,245	3,533,755	-	450,000	450,000
CASS COUNTY JOINT WATER RESOURCE DI		1,172,265		-	300,000	300,000
CITY OF FARGO-AUDITORS OFFICE		(16,709)		-	-	-
OHNSTAD TWICHELL PC		144,274		-	150,000	150,000
OXBOW, CITY OF		-		-	-	-
Swanson & Warcup		11,694		-	-	-
Turman & Lang		154,721		-	-	-
		-				
Outreach Costs = (PSWIK 18 - Outreach)	7,881,039	120,736	7,760,303	-	1,015,804	1,015,804
ADVANCED ENGINEERING INC		50,000		-	50,000	50,000
BROKERAGE PRINTING		473		-	-	-
CASS COUNTY JOINT WATER RESOURCE DI		-		-	-	-
CH2M Hill Engineers Inc		-		-	912,804	912,804
CITY OF FARGO-AUDITORS OFFICE		-		-	-	-
FORUM COMMUNICATIONS (LEGALS)		-		-	3,000	3,000
FREDRIKSON & BYRON, PA		70,263		-	50,000	50,000
HOUSTON-MOORE GROUP LLC		-		-	-	-
Other_PGM		-		-	-	-
Contingency	159,898,584	-	159,898,584	-	804,879	804,879
SYSTEM WIDE	21,795,449	-	21,795,449	-	116,423	116,423
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	47,173,841	-	47,173,841	-	-	-
DCAI Contingency	47,173,841	-	47,173,841			
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	38,696,058	-	38,696,058	-	1,340	1,340
SEAI Contingency	26,773,933	-	26,773,933		502	502
Construction Contingency (WP26 - Diversion Inlet Structure)	2,395,564	-	2,395,564		838	838
Construction Contingency (WP27 - Red River West Embankment)	782,460	-	782,460			
Construction Contingency (WP29 - Red River East Embankment)	402,092	-	402,092			
Construction Contingency (WP30 - Wild Rice River Control Structure)	1,240,867	-	1,240,867			
Construction Contingency (WP31 - I-29 Interchange)	1,439,375	-	1,439,375			
Construction Contingency (WP33 - Cass County Road 81 Bridge)	136,794	-	136,794			

**FM Area Diversion Project
FY2017 CASH BUDGET**

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Schedule Budget Categories	Program Budget (2015\$)	Actuals thru 28 Oct 2016	Remaining Program Budget	Unspent Amount from FY2016 to Carry Forward	Additional Cash Required for FY2017	FY2017 Proposed Cash Budget
Construction Contingency (WP35 - Red River Control Structure)	2,204,204	-	2,204,204			
Construction Contingency (WP39 - Overflow Embankment)	456,740	-	456,740			
Construction Contingency (WP46 - Phase 2 Utility Performed Relocations)	450,000	-	450,000			
Construction Contingency (WP47 - Phase 2 DA Contracted Utility Relocations)	50,000	-	50,000			
Construction Contingency (WP50 - Demolition SEAI)	536,191	-	536,191			
Construction Contingency (WP51 - Recreation SEAI)	406,504	-	406,504			
Construction Contingency (WP53 - BNSF Moorhead Line Raise)	1,130,532	-	1,130,532			
Construction Contingency (WP54 - Hwy 75 Road Raise)	290,802	-	290,802			
OTHER MITIGATION PROJECTS	40,891,969	-	40,891,969	-	192,764	192,764
Mitigation and Associated Infrastructure Contingency	32,893,343	-	32,893,343		158,940	158,940
Construction Contingency (WP36 - Wild Rice River Dam Mitigation)	72,000	-	72,000			
Construction Contingency (WP40 - Drayton Dam Mitigation)	240,000	-	240,000			
Construction Contingency (WP41 - Future Stream Mitigation)	60,000	-	60,000			
Construction Contingency (WP43 all Subpackages) moved from CT-67750 & CT-	7,000,000	-	7,000,000		33,824	33,824
Construction Contingency (WP430 - OHB Ring Levee Recreation)	101,626	-	101,626			
Construction Contingency (WP49C - Cultural Remedialtion Phase 1)	25,000	-	25,000			
Construction Contingency (WP52 - Comstock Ring Levee)	500,000	-	500,000			
IN-TOWN FLOOD PROTECTION	10,101,623	-	10,101,623	-	489,833	489,833
Construction Contingency (WP42A1A3 - Dwtn Levees 4th St. S Pump Station an	2,260,246	-	2,260,246			
Construction Contingency (WP42A2 - Dwtn Levees 2nd St. North Pump Station)	1,068,577	-	1,068,577			
Construction Contingency (WP42C1 - Dwtn Levees HoJo's Shakeys Fargo Public	147,947	-	147,947			
Construction Contingency (WP42C2 - Dwtn Levees Park East Demo)	124,031	-	124,031			
Construction Contingency (WP42D1 - 1st St. From 2nd To 4th and 4th St. From	244,654	-	244,654			
Construction Contingency (WP42D3 - Floodwall At 1st Ave. Bridge)	122,327	-	122,327			
Construction Contingency (WP42D4 - Xcel Energy)	122,327	-	122,327			
Construction Contingency (WP42D5 - Main Ave. Pump Station and Floodwall U	122,327	-	122,327		181,163	181,163
Construction Contingency (WP42E - Dwtn Levees Main Ave. Lift Station and Gat	369,867	-	369,867		232,011	232,011
Construction Contingency (WP42F1S - Dwtn Levees 2nd St. N. South of Pump S	2,028,255	-	2,028,255			
Construction Contingency (WP42F1N - Dwtn Levees 2nd St. N. North of Pump S	1,690,650	-	1,690,650			
Construction Contingency (WP42F2 - Dwtn Levees 2nd St. South)	616,446	-	616,446			
Construction Contingency (WP42G - Dwtn Levees Landscaping and Planting)	369,867	-	369,867		69,265	69,265
Construction Contingency (WP42H2 - Dwtn Levees El Zagal Area Phase 2)	190,217	-	190,217			
Construction Contingency (WP42I1 - Dwtn Levees Mickelson Levee Extension)	119,330	-	119,330			
Construction Contingency (WP42J - Dwtn Levees Recreation)	101,626	-	101,626			
Construction Contingency Costs (WP42 all Subpackages)	402,929	-	402,929		7,393	7,393
ENABLING WORK	1,239,644	-	1,239,644	-	4,519	4,519
Enabling Contingency	843,135	-	843,135			
Construction Contingency WP49B - Phase 3 Demolition)	23,911	-	23,911			
Construction Contingency (WP28 - Cass County Road 16 and 17 Bridge)	372,598	-	372,598		4,519	4,519
Debt Service					1,838,108	1,838,108
Maintenance					100,000	100,000

Recommended Contracting Action





Recommended Contracting Actions Summary

Date: November 29, 2016

Construction Change Orders		
WP-42A.1/A.3, 4th Street Pump Station Change Order 06 <ul style="list-style-type: none">Reprogramming Display and Generator Building Fuel Storage Area Drain	ICS, Inc.	2,386.00
Total Construction Change Orders		2,386.00

Technical Advisory Group Recommendation

Meeting Date: 11/22/2016

RECOMMENDATION FOR ACTION:

The Technical Advisory Group has reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

The Owner’s Representative has reviewed and recommends the following Contract Action(s):

List description of Contract Action(s):

Description	Budget Estimate (\$)
ICS, Inc. <i>Change Order #08</i>	\$2,386.00

WP-42A.1/A.3, 4th Street Pump Station – Reprogramming the station’s wet well display from elevation to depth.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget (\$) Change	Previous Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
WP-42A.1/A.3 contract	17,361,616.35	0.00	17,361,616.35	11-Dec-14	11-Nov-16	Awarded 4 th Street Pump Station and 2 nd Street South Floodwall
Change Order 1	268,555.24	17,361,616.35	17,630,171.59	11-Dec-14	11-Nov-16	Fargo Highrise parking lot modifications and other costs
Change Order 2	176,462.97	17,630,171.59	17,806,634.56	11-Dec-14	11-Nov-16	Unknown underground structures and other costs
Change Order 3	(10,570.93)	17,806,634.56	17,796,063.63	11-Dec-14	11-Nov-16	Deduct exterior electrical work and install fence, bollards, and lights at Fargo Highrise
Change Order 4	15,174.67	17,796,063.63	17,811,238.30	11-Dec-14	11-Nov-16	Time extensions and multiple cost adjustments for Engineer- and Owner-directed items.
Change Order 5	70,363.71	17,811,238.30	17,881,601.31	11-Dec-14	11-Nov-16	Last of suspended changes, sanitary overflow connection, T&M budget for ACM removal
Change Order 6	147,079.47	17,881,601.31	18,028,681.48	11-Dec-14	11-Nov-16	Last of suspended changes, erosion blanket, still wells, unsuitable materials and additional asbestos wrapped pipe.

Change Order 7	11,147.81	18,028,681.48	18,036,371.39	11-Dec-14	13-Sept-17	Sanitary Overflow Brackets, ST-4 Flared End with Grate, Sluice Gate Actuator Covers and 2" nuts, Updated Lot Grading Plan, Milestone and Project Completion Date Resets, and Time Additions.
Change Order 8	2,386.00	18,036,371.39	18,038,757.39	11-Dec-14	13-Sept-17	Reprogramming Display and Generator Building Fuel Storage Area Drain

DISCUSSION

Change Order No. 8 increases the Contract Price by a total of **\$2,386.00** as listed below:

1. **Reprogramming Display.** The pump station’s wet well currently reads in elevation. The city’s preference is to have the display read in depth to match the 2nd St. N Pump Station display for operational consistency. Add \$1,386.00 to the contract price to facilitate the reprogramming to depth and retest the control system afterward. The Owner’s Representative and Engineer have reviewed this cost and found it to be reasonable.
2. **Generator Building Fuel Storage Area Drain.** As designed, the generator building’s fuel storage area consists of a poured concrete floor surrounded by three walls and no roof. Drainage concerns have been identified by the engineer and two solutions considered. Changing the floor to crushed rock was not the preferred alternative. A trench drain was identified as the preferred solution by the engineer and approved in WCD 011. Add \$1000 to the Contract Price and two days to the Generator Building Milestone and Substantial Completion dates. The Owner’s Representative and Engineer have reviewed the cost and time and found them to be reasonable.

ATTACHMENT(S):

- Draft Change Order No. 8
- Reprogramming Cost Letter from ICS dated 11/4/2016
- Drain Price Letter from ICS dated 11/16/2016

Submitted by:



Tyler Smith, P.E.
CH2M
Project Manager
Metro Flood Diversion Project

11/18/2016

Date

Nathan Boerboom, Diversion Authority Project
Manager

Concur: 11/21/2016 Non-Concur: _____

April Walker, Fargo City Engineer

Concur: 11/21/2016 Non-Concur _____

Mark Bittner, Fargo Director of Engineering

Concur: 11/21/2016 Non-Concur: _____

Jason Benson, Cass County Engineer

Concur: 11/18/2016 Non-Concur _____

David Overbo, Clay County Engineer

Concur: 11/19/2016 Non-Concur: _____

Robert Zimmerman, Moorhead City Engineer

Concur: 11/19/2016 Non-Concur _____



Change Order No. 08

Date of Issuance: <u>12/01/2016</u>	Effective Date: <u>12/01/2016</u>
Owner: <u>Metro Flood Diversion Authority</u>	Owner's Contract No.: <u>WP-42A.1/A.3</u>
Owner's Representative: <u>CH2M HILL Engineers, Inc.</u>	Owner's Representative Project No.: <u>435534</u>
Contractor: <u>ICS, Inc.</u>	Contractor's Project No.: <u>1114</u>
Engineer: <u>Houston-Moore Group, LLC</u>	Work Package No.: <u>WP-42A.1/A.3</u>
Project: <u>Fargo-Moorhead Area Diversion</u>	Contract Name: <u>4th Street Pump Station and Gatewell and 2nd Street Floodwall South</u>

The Contract is modified as follows upon execution of this Change Order:

Description:

1. REPROGRAM DISPLAY FROM ELEVATION TO DEPTH

Add \$1,386.00 to the Contract Price to reprogram the pump station's wet well display to read in depth instead of elevation.

GENERATOR BUILDING FUEL STORAGE AREA DRAIN

Add \$1000.00 to the Contract Price and two days to the Generator Building Milestone and Substantial Completion dates to furnish and install a drain for the Generator Building Fuel Storage Area as listed in WCD 011.

Attachments:

- Change Order 8 Unit Price Schedule dated 11/16/2016
- WCD 011 Signed 11/17/2016
- Redline Foundation Plan Sheet S-201

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
<p>Original Contract Price:</p> <p style="text-align: right;">17,361,616.35</p>	<p>Original Contract Times:</p> <p>Milestone 4.02.A.02: <u>November 1, 2015</u></p> <p>Milestone 4.02.A.02a: <u>NA</u></p> <p>Milestone 4.02.A.03: <u>July 31, 2015</u></p> <p>Milestone 4.02.A.04: <u>August 20, 2015</u></p> <p>Milestone 4.02.A.05: <u>November 13, 2015</u></p> <p>Milestone 4.02.A.06: <u>January 26, 2016</u></p> <p>Milestone 4.02.A.07: <u>September 5, 2016</u></p> <p>Substantial Completion 4.02 B: <u>September 5, 2016</u></p> <p>Final Completion 4.02 B: <u>November 11, 2016</u></p>

<p>[Increase] [Decrease] from previously approved Change Orders No. <u>01</u> thru <u>07</u>:</p> <p style="text-align: right;">674,755.04</p>	<p>[Increase] [Decrease] from previously approved Change Orders No. <u>01</u> thru <u>06</u>:</p> <p>Milestone 4.02.A.02: <u>30 days</u> Milestone 4.02.A.02.a: <u>14 days</u> Milestone 4.02.A.03: <u>29 days</u> Milestone 4.02.A.04: <u>29 days</u> Milestone 4.02.A.05: <u>30 days</u> Milestone 4.02.A.06: <u>309 days</u> Milestone 4.02.A.07: <u>309 days</u> Substantial Completion 4.02 B: <u>309 days</u> Final Completion 4.02 B: <u>306 days</u></p>
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<p>Contract Price prior to this Change Order:</p> <p style="text-align: right;">18,036,371.39</p>	<p>Contract Times prior to this Change Order:</p> <p>Milestone 4.02.A.02: <u>December 1, 2015</u> Milestone 4.02.A.02a: <u>November 15, 2015</u> Milestone 4.02.A.03: <u>August 29, 2015</u> Milestone 4.02.A.04: <u>September 18, 2015</u> Milestone 4.02.A.05: <u>December 13, 2015</u> Milestone 4.02.A.06: <u>December 3, 2016</u> Milestone 4.02.A.07: <u>July 11, 2017</u> Substantial Completion 4.02 B: <u>July 11, 2017</u> Final Completion 4.02 B: <u>September 13, 2017</u></p>
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<p>[Increase] [Decrease] of this Change Order:</p> <p style="text-align: right;">2,386.00</p>	<p>[Increase] [Decrease] of this Change Order:</p> <p>Milestone 4.02.A.07: <u>2 days</u> Substantial Completion 4.02 B: <u>2 days</u></p>
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<p>Contract Price incorporating this Change Order:</p> <p style="text-align: right;">18,038,757.39</p>	<p>Contract Times with all approved Change Orders:</p> <p>Milestone 4.02.A.02: <u>December 1, 2015</u> Milestone 4.02.A.02a: <u>November 15, 2015</u> Milestone 4.02.A.03: <u>August 29, 2015</u> Milestone 4.02.A.04: <u>September 18, 2015</u> Milestone 4.02.A.05: <u>December 13, 2015</u> Milestone 4.02.A.06: <u>December 3, 2016</u> Milestone 4.02.A.07: <u>July 13, 2017</u> Substantial Completion 4.02 B: <u>July 13, 2017</u> Final Completion 4.02 B: <u>September 13, 2017</u></p>
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<p>RECOMMENDED:</p> <p>By: _____ Owner's Representative (Authorized Signature)</p> <p>Title: <u>Construction Manager</u></p> <p>Date: <u>12/01/2016</u></p>	<p>ACCEPTED:</p> <p>By: _____ Owner (Authorized Signature)</p> <p>Title: _____</p> <p>Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ Contractor (Authorized Signature)</p> <p>Title: _____</p> <p>Date: _____</p>
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WP-42A.1/A.3
4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 7 Unit Price Schedule
 DATE: 10/14/2016



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0001	Mobilization	LS	1	\$ 350,000.00	\$ 350,000.00	0	\$ -	\$ -	1	\$ 350,000.00	\$ 350,000.00
0002	Remove Sanitary Sewer Manhole	EA	2	\$ 1,100.00	\$ 2,200.00	0	\$ -	\$ -	2	\$ 1,100.00	\$ 2,200.00
0003	F&I Pipe SDR 26 - 10" Dia PVC	LF	145	\$ 70.00	\$ 10,150.00	0	\$ -	\$ -	145	\$ 70.00	\$ 10,150.00
0004	Remove Sanitary Sewer Pipe All Sizes All Types	LF	140	\$ 11.00	\$ 1,540.00	0	\$ -	\$ -	140	\$ 11.00	\$ 1,540.00
0005	Rem & Repl Sanitary Sewer Casting - Floating Manhole	EA	1	\$ 800.00	\$ 800.00	0	\$ -	\$ -	1	\$ 800.00	\$ 800.00
0006	Sanitary Sewer Manhole	EA	2	\$ 4,500.00	\$ 9,000.00	0	\$ -	\$ -	2	\$ 4,500.00	\$ 9,000.00
0007	Sanitary Sewer Exterior Drop Manhole	EA	1	\$ 12,000.00	\$ 12,000.00	0	\$ -	\$ -	1	\$ 12,000.00	\$ 12,000.00
0008	F&I 5" Hydrant	EA	2	\$ 6,000.00	\$ 12,000.00	0	\$ -	\$ -	2	\$ 6,000.00	\$ 12,000.00
0009	Salvage Hydrant	EA	2	\$ 600.00	\$ 1,200.00	0	\$ -	\$ -	2	\$ 600.00	\$ 1,200.00
0010	F&I Pipe C900 DR 18 - 6" Dia PVC	LF	479	\$ 60.00	\$ 28,740.00	0	\$ -	\$ -	479	\$ 60.00	\$ 28,740.00
0011	F&I Pipe C900 DR 18 - 10" Dia PVC	LF	416	\$ 65.00	\$ 27,040.00	0	\$ -	\$ -	416	\$ 65.00	\$ 27,040.00
0012	Remove Water Main Pipe All Sizes All Types	LF	697	\$ 11.00	\$ 7,667.00	0	\$ -	\$ -	697	\$ 11.00	\$ 7,667.00
0013	F&I Gate Valve 6" Dia	EA	5	\$ 2,200.00	\$ 11,000.00	0	\$ -	\$ -	5	\$ 2,200.00	\$ 11,000.00
0014	F&I Gate Valve 10" Dia	EA	3	\$ 4,000.00	\$ 12,000.00	0	\$ -	\$ -	3	\$ 4,000.00	\$ 12,000.00
0015	Watermain Fittings	LBS	4,157	\$ 12.00	\$ 49,884.00	0	\$ -	\$ -	4,157	\$ 12.00	\$ 49,884.00
0016	F&I Overflow Structure	EA	1	\$ 18,000.00	\$ 18,000.00	0	\$ -	\$ -	1	\$ 18,000.00	\$ 18,000.00
0017	F&I Manhole 4' Dia Reinf Conc	EA	3	\$ 5,000.00	\$ 15,000.00	0	\$ -	\$ -	3	\$ 5,000.00	\$ 15,000.00
0018	F&I Manhole 5' Dia Reinf Conc	EA	1	\$ 5,000.00	\$ 5,000.00	0	\$ -	\$ -	1	\$ 5,000.00	\$ 5,000.00
0019	F&I Manhole 6' Dia Reinf Conc	EA	2	\$ 20,000.00	\$ 40,000.00	0	\$ -	\$ -	2	\$ 20,000.00	\$ 40,000.00
0020	F&I Manhole 7' Dia Reinf Conc	EA	3	\$ 22,000.00	\$ 66,000.00	0	\$ -	\$ -	3	\$ 22,000.00	\$ 66,000.00
0021	F&I Manhole Type E Reinf Conc	EA	2	\$ 70,000.00	\$ 140,000.00	0	\$ -	\$ -	2	\$ 70,000.00	\$ 140,000.00
0022	F&I Manhole Type E Reinf Conc (ST-4)	EA	1	\$ 250,000.00	\$ 250,000.00	0	\$ -	\$ -	1	\$ 250,000.00	\$ 250,000.00
0023	F&I Manhole Type E Reinf Conc (ST-3)	EA	1	\$ 225,000.00	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0024	F&I Manhole Type E Reinf Conc (ST-2)	EA	1	\$ 225,000.00	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0025	F&I Manhole Type E Reinf Conc (ST-1)	EA	1	\$ 225,000.00	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0026	Remove Storm Sewer Manhole	EA	5	\$ 600.00	\$ 3,000.00	0	\$ -	\$ -	5	\$ 600.00	\$ 3,000.00
0027	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	1	\$ 5,000.00	\$ 5,000.00	0	\$ -	\$ -	1	\$ 5,000.00	\$ 5,000.00
0028	F&I Inlet - Manhole (MHI) 6' Dia Reinf Conc	EA	1	\$ 15,000.00	\$ 15,000.00	0	\$ -	\$ -	1	\$ 15,000.00	\$ 15,000.00

WP-42A.1/A.3
4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 7 Unit Price Schedule
 DATE: 10/14/2016



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0029	F&I Inlet - Single Box (SBI) Reinf Conc	EA	1	\$ 5,000.00	\$ 5,000.00	0	\$ -	\$ -	1	\$ 5,000.00	\$ 5,000.00
0030	F&I Inlet - Double Box (DBI) Reinf Conc	EA	1	\$ 7,000.00	\$ 7,000.00	0	\$ -	\$ -	1	\$ 7,000.00	\$ 7,000.00
0031	F&I Inlet - Special (SPI) Reinf Conc	EA	2	\$ 2,000.00	\$ 4,000.00	0	\$ -	\$ -	2	\$ 2,000.00	\$ 4,000.00
0032	Riprap (Outlet)	CY	410	\$ 125.00	\$ 51,250.00	0	\$ -	\$ -	410	\$ 125.00	\$ 51,250.00
0033	Box Culvert End Section with Grate	EA	1	\$ 25,000.00	\$ 25,000.00	0	\$ -	\$ -	1	\$ 25,000.00	\$ 25,000.00
0034	PLUG PIPE 33" DIA.	EA	1	\$ 1,500.00	\$ 1,500.00	0	\$ -	\$ -	1	\$ 1,500.00	\$ 1,500.00
0035	PLUG PIPE 72" DIA.	EA	1	\$ 3,300.00	\$ 3,300.00	0	\$ -	\$ -	1	\$ 3,300.00	\$ 3,300.00
0036	PLUG PIPE 78" DIA.	EA	2	\$ 4,500.00	\$ 9,000.00	0	\$ -	\$ -	2	\$ 4,500.00	\$ 9,000.00
0037	F&I Pipe 18" Dia Reinf Conc	LF	291	\$ 95.00	\$ 27,645.00	0	\$ -	\$ -	291	\$ 95.00	\$ 27,645.00
0038	F&I Pipe 24" Dia Reinf Conc	LF	86	\$ 120.00	\$ 10,320.00	0	\$ -	\$ -	86	\$ 120.00	\$ 10,320.00
0039	F&I Pipe 30" Dia Reinf Conc	LF	137	\$ 220.00	\$ 30,140.00	0	\$ -	\$ -	137	\$ 220.00	\$ 30,140.00
0040	F&I Pipe 36" Dia Reinf Conc	LF	8	\$ 250.00	\$ 2,000.00	0	\$ -	\$ -	8	\$ 250.00	\$ 2,000.00
0041	F&I Pipe 48" Dia Reinf Conc	LF	79	\$ 300.00	\$ 23,700.00	0	\$ -	\$ -	79	\$ 300.00	\$ 23,700.00
0042	F&I Pipe 54" Dia Reinf Conc	LF	79	\$ 800.00	\$ 63,200.00	0	\$ -	\$ -	79	\$ 800.00	\$ 63,200.00
0043	F&I Pipe 72" Dia Reinf Conc	LF	51	\$ 900.00	\$ 45,900.00	0	\$ -	\$ -	51	\$ 900.00	\$ 45,900.00
0044	F&I Pipe 12" Dia PVC	LF	99	\$ 120.00	\$ 11,880.00	0	\$ -	\$ -	99	\$ 120.00	\$ 11,880.00
0045	Remove Storm Sewer Pipe All Sizes All Types	LF	2,788	\$ 85.00	\$ 236,980.00	0	\$ -	\$ -	2,788	\$ 85.00	\$ 236,980.00
0046	30" Flapgate	EA	-	\$ 25,000.00	\$ -	0	\$ -	\$ -	-	\$ 25,000.00	\$ -
0047	54" Flapgate	EA	1	\$ 30,000.00	\$ 30,000.00	0	\$ -	\$ -	1	\$ 30,000.00	\$ 30,000.00
0048	F&I Pipe w/GB 30" Dia Reinf Conc	LF	240	\$ 1,100.00	\$ 264,000.00	0	\$ -	\$ -	240	\$ 1,100.00	\$ 264,000.00
0049	F&I Pipe w/GB 36" Dia Reinf Conc	LF	88	\$ 1,200.00	\$ 105,600.00	0	\$ -	\$ -	88	\$ 1,200.00	\$ 105,600.00
0050	F&I Pipe w/GB 54" Dia Reinf Conc	LF	19	\$ 2,000.00	\$ 38,000.00	0	\$ -	\$ -	19	\$ 2,000.00	\$ 38,000.00
0051	F&I Box Culvert 8'x5' Wide Reinf Conc Cast in Place with depth of fill 1' to 10'	LF	495	\$ 1,500.00	\$ 742,500.00	0	\$ -	\$ -	495	\$ 1,500.00	\$ 742,500.00
0052	F&I Box Culvert 8'x5' Wide Reinf Conc Cast in Place with depth of fill 10' to 31'	LF	128	\$ 2,800.00	\$ 358,400.00	0	\$ -	\$ -	128	\$ 2,800.00	\$ 358,400.00
0053	F&I Box Culvert 8'x5' Wide Reinf Conc Precast	LF	186	\$ 1,300.00	\$ 241,800.00	0	\$ -	\$ -	186	\$ 1,300.00	\$ 241,800.00
0054	Remove Pavement All Thicknesses All Types	SY	8,226	\$ 10.00	\$ 82,260.00	0	\$ -	\$ -	8,226	\$ 10.00	\$ 82,260.00
0055	Subgrade Preparation	SY	10,496	\$ 4.50	\$ 47,232.00	0	\$ -	\$ -	10,496	\$ 4.50	\$ 47,232.00
0056	F&I Woven Geotextile	SY	10,496	\$ 2.50	\$ 26,240.00	0	\$ -	\$ -	10,496	\$ 2.50	\$ 26,240.00

WP-42A.1/A.3
4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 7 Unit Price Schedule
 DATE: 10/14/2016



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0057	F&I Class 5 Agg - 6" Thick	SY	5,578	\$ 10.00	\$ 55,780.00	0	\$ -	\$ -	5,578	\$ 10.00	\$ 55,780.00
0058	F&I Class 5 Agg - 7" Thick	SY	2,212	\$ 12.00	\$ 26,544.00	0	\$ -	\$ -	2,212	\$ 12.00	\$ 26,544.00
0059	F&I Class 5 Agg - 8" Thick	SY	733	\$ 13.00	\$ 9,529.00	0	\$ -	\$ -	733	\$ 13.00	\$ 9,529.00
0060	F&I Class 5 Agg - 12" Thick	SY	1,973	\$ 20.00	\$ 39,460.00	0	\$ -	\$ -	1,973	\$ 20.00	\$ 39,460.00
0061	F&I Crushed Conc - 6" Thick	SY	120	\$ 13.00	\$ 1,560.00	0	\$ -	\$ -	120	\$ 13.00	\$ 1,560.00
0062	F&I Curb & Gutter Standard (Type II)	LF	2,030	\$ 40.00	\$ 81,200.00	0	\$ -	\$ -	2,030	\$ 40.00	\$ 81,200.00
0063	Remove Curb & Gutter	LF	1,924	\$ 10.00	\$ 19,240.00	0	\$ -	\$ -	1,924	\$ 10.00	\$ 19,240.00
0064	F&I Pavement 6" Thick Reinf Conc	SY	3,744	\$ 66.00	\$ 247,104.00	0	\$ -	\$ -	3,744	\$ 66.00	\$ 247,104.00
0065	F&I Pavement 7" Thick Reinf Conc	SY	1,484	\$ 75.00	\$ 111,300.00	0	\$ -	\$ -	1,484	\$ 75.00	\$ 111,300.00
0066	F&I Pavement 9" Thick Doweled Conc	SY	1,519	\$ 90.00	\$ 136,710.00	0	\$ -	\$ -	1,519	\$ 90.00	\$ 136,710.00
0067	F&I Sidewalk 4" Thick Reinf Conc	SY	1,401	\$ 60.00	\$ 84,060.00	0	\$ -	\$ -	1,401	\$ 60.00	\$ 84,060.00
0068	Remove Sidewalk All Thicknesses All Types	SY	1,112	\$ 15.00	\$ 16,680.00	0	\$ -	\$ -	1,112	\$ 15.00	\$ 16,680.00
0069	Temp Construction Entrance	EA	4	\$ 1,700.00	\$ 6,800.00	0	\$ -	\$ -	4	\$ 1,700.00	\$ 6,800.00
0070	Traffic Control - Type 1	LS	1	\$ 26,000.00	\$ 26,000.00	0	\$ -	\$ -	1	\$ 26,000.00	\$ 26,000.00
0071	F&I Aggregate for Asph Pavement Class 29	TON	930	\$ 80.00	\$ 74,400.00	0	\$ -	\$ -	930	\$ 80.00	\$ 74,400.00
0072	F&I Asphalt Cement PG 58-28	GAL	13,385	\$ 4.00	\$ 53,540.00	0	\$ -	\$ -	13,385	\$ 4.00	\$ 53,540.00
0073	F&I Impressioned 4" Thick Reinf Conc	SY	72	\$ 220.00	\$ 15,840.00	0	\$ -	\$ -	72	\$ 220.00	\$ 15,840.00
0074	F&I Det Warn Panels Cast Iron	SF	109	\$ 70.00	\$ 7,630.00	0	\$ -	\$ -	109	\$ 70.00	\$ 7,630.00
0075	F&I Sign Assembly	EA	18	\$ 220.00	\$ 3,960.00	0	\$ -	\$ -	18	\$ 220.00	\$ 3,960.00
0076	Relocate Sign Assembly	EA	13	\$ 220.00	\$ 2,860.00	0	\$ -	\$ -	13	\$ 220.00	\$ 2,860.00
0077	F&I Engineering Grade	SF	23	\$ 30.00	\$ 690.00	0	\$ -	\$ -	23	\$ 30.00	\$ 690.00
0078	F&I Diamond Grade Cubed	SF	6	\$ 40.00	\$ 252.00	0	\$ -	\$ -	6	\$ 40.00	\$ 252.00
0079	F&I High Intensity Prismatic	SF	28	\$ 35.00	\$ 966.00	0	\$ -	\$ -	28	\$ 35.00	\$ 966.00
0080	F&I Flexible Delineator	EA	2	\$ 130.00	\$ 260.00	0	\$ -	\$ -	2	\$ 130.00	\$ 260.00
0081	F&I Grooved Plastic Film Message	SF	80	\$ 50.00	\$ 4,000.00	0	\$ -	\$ -	80	\$ 50.00	\$ 4,000.00
0082	F&I Grooved Plastic Film 4" Wide	LF	1,485	\$ 10.00	\$ 14,850.00	0	\$ -	\$ -	1,485	\$ 10.00	\$ 14,850.00
0083	F&I Grooved Plastic Film 24" Wide	LF	72	\$ 40.00	\$ 2,880.00	0	\$ -	\$ -	72	\$ 40.00	\$ 2,880.00
0084	Paint Epoxy Message	SF	32	\$ 20.00	\$ 640.00	0	\$ -	\$ -	32	\$ 20.00	\$ 640.00

WP-42A.1/A.3
4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 7 Unit Price Schedule
 DATE: 10/14/2016



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0085	Paint Epoxy Line 4" Wide	LF	3,244	\$ 6.00	\$ 19,464.00	0	\$ -	\$ -	3,244	\$ 6.00	\$ 19,464.00
0086	Paint Epoxy Line 8" Wide	LF	234	\$ 10.00	\$ 2,340.00	0	\$ -	\$ -	234	\$ 10.00	\$ 2,340.00
0087	Paint Epoxy Line 24" Wide	LF	-	\$ 20.00	\$ -	0	\$ -	\$ -	-	\$ 20.00	\$ -
0088	Obliterate Pavement Markings	SF	182	\$ 35.00	\$ 6,370.00	0	\$ -	\$ -	182	\$ 35.00	\$ 6,370.00
0089	Temp Fence - Safety	LF	2,167	\$ 6.00	\$ 13,002.00	0	\$ -	\$ -	2,167	\$ 6.00	\$ 13,002.00
0090	Remove Fence	LF	202	\$ 27.00	\$ 5,454.00	0	\$ -	\$ -	202	\$ 27.00	\$ 5,454.00
0091	Temp Pumping	LS	1	\$ 95,000.00	\$ 95,000.00	0	\$ -	\$ -	1	\$ 95,000.00	\$ 95,000.00
0092	Clear & Grub	LS	1	\$ 15,000.00	\$ 15,000.00	0	\$ -	\$ -	1	\$ 15,000.00	\$ 15,000.00
0093	Remove Tree	EA	19	\$ 600.00	\$ 11,400.00	0	\$ -	\$ -	19	\$ 600.00	\$ 11,400.00
0094	Silt Fence - Standard	LF	784	\$ 4.00	\$ 3,136.00	0	\$ -	\$ -	784	\$ 4.00	\$ 3,136.00
0095	Floating Silt Fence	LF	93	\$ 30.00	\$ 2,790.00	0	\$ -	\$ -	93	\$ 30.00	\$ 2,790.00
0096	Sediment Control Log 6" to 8" Dia	LF	1,130	\$ 3.00	\$ 3,390.00	0	\$ -	\$ -	1,130	\$ 3.00	\$ 3,390.00
0097	Inlet Protection - New Inlet	EA	7	\$ 300.00	\$ 2,100.00	0	\$ -	\$ -	7	\$ 300.00	\$ 2,100.00
0098	Inlet Protection - Existing Inlet	EA	9	\$ 200.00	\$ 1,800.00	0	\$ -	\$ -	9	\$ 200.00	\$ 1,800.00
0099	Salvage Signal Standard	EA	1	\$ 300.00	\$ 300.00	0	\$ -	\$ -	1	\$ 300.00	\$ 300.00
0100	Lighting System	LS	1	\$ 20,000.00	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0101	Propane Tanks Remove and Replace	LS	1	\$ 20,000.00	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0102	Replace Unsalvagable Bollards	EA	40	\$ 1,000.00	\$ 40,000.00	0	\$ -	\$ -	40	\$ 1,000.00	\$ 40,000.00
0103	Revise Flashing Beacon System	LS	1	\$ 15,000.00	\$ 15,000.00	0	\$ -	\$ -	1	\$ 15,000.00	\$ 15,000.00
0104	Revise Traffic Control System	LS	1	\$ 20,000.00	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0105	F&I Bus Shelter	EA	1	\$ 30,000.00	\$ 30,000.00	0	\$ -	\$ -	1	\$ 30,000.00	\$ 30,000.00
0106	F&I Sheet Piling - Steel	SF	168	\$ 65.00	\$ 10,920.00	0	\$ -	\$ -	168	\$ 65.00	\$ 10,920.00
0107	Topsoil - Strip	CY	5,870	\$ 5.00	\$ 29,350.00	0	\$ -	\$ -	5,870	\$ 5.00	\$ 29,350.00
0108	Topsoil - Spread	CY	2,784	\$ 5.00	\$ 13,920.00	0	\$ -	\$ -	2,784	\$ 5.00	\$ 13,920.00
0109	Embankment	CY	45,017	\$ 13.00	\$ 585,221.00	0	\$ -	\$ -	45,017	\$ 13.00	\$ 585,221.00
0110	Embankment Import	CY	8,617	\$ 22.00	\$ 189,574.00	0	\$ -	\$ -	8,617	\$ 22.00	\$ 189,574.00
0111	Excavation	CY	36,400	\$ 9.00	\$ 327,600.00	0	\$ -	\$ -	36,400	\$ 9.00	\$ 327,600.00
0112	Grading North of 2nd St S and West of 4th St S	LS	1	\$ 20,000.00	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00

WP-42A.1/A.3
4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 7 Unit Price Schedule
 DATE: 10/14/2016



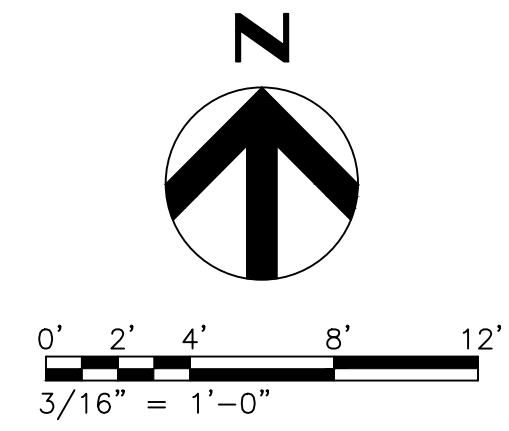
WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0113	Mulching Type 1 - Hydro	SY	16,703	\$ 0.50	\$ 8,351.50	0	\$ -	\$ -	16,703	\$ 0.50	\$ 8,351.50
0114	Seeding Type B	SY	16,703	\$ 0.35	\$ 5,846.05	0	\$ -	\$ -	16,703	\$ 0.35	\$ 5,846.05
0115	Overseeding	SY	33,405	\$ 0.25	\$ 8,351.25	0	\$ -	\$ -	33,405	\$ 0.25	\$ 8,351.25
0116	Weed Control Type B	SY	16,703	\$ 0.15	\$ 2,505.45	0	\$ -	\$ -	16,703	\$ 0.15	\$ 2,505.45
0117	Removable Floodwall	LS	1	\$ 120,000.00	\$ 120,000.00	0	\$ -	\$ -	1	\$ 120,000.00	\$ 120,000.00
0118	F&I Floodwall Reinf Bars - Steel	LB	63,445	\$ 1.10	\$ 69,789.50	0	\$ -	\$ -	63,445	\$ 1.10	\$ 69,789.50
0119	F&I Floodwall Reinf Bars - Epoxy Coated Steel	LB	59,852	\$ 1.30	\$ 77,807.60	0	\$ -	\$ -	59,852	\$ 1.30	\$ 77,807.60
0120	F&I Floodwall - Structural Conc	CY	828	\$ 1,100.00	\$ 910,800.00	0	\$ -	\$ -	828	\$ 1,100.00	\$ 910,800.00
0121	F&I Floodwall - Misc.	LS	1	\$ 225,000.00	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0122	Demolition Pump Stations, Storm Sewers, Force Mains	LS	1	\$ 110,000.00	\$ 110,000.00	0	\$ -	\$ -	1	\$ 110,000.00	\$ 110,000.00
0123	Force Mains and Sump Pump Discharge	LS	1	\$ 600,000.00	\$ 600,000.00	0	\$ -	\$ -	1	\$ 600,000.00	\$ 600,000.00
0124	Pump Station - Structural and Architectural	LS	1	\$ 2,700,000.00	\$ 2,700,000.00	0	\$ -	\$ -	1	\$ 2,700,000.00	\$ 2,700,000.00
0125	Stormwater Pumps and Motors	LS	1	\$ 1,200,000.00	\$ 1,200,000.00	0	\$ -	\$ -	1	\$ 1,200,000.00	\$ 1,200,000.00
0126	Sump Pumps	LS	1	\$ 60,000.00	\$ 60,000.00	0	\$ -	\$ -	1	\$ 60,000.00	\$ 60,000.00
0127	Trash Racks and Miscellaneous Metals	LS	1	\$ 320,000.00	\$ 320,000.00	0	\$ -	\$ -	1	\$ 320,000.00	\$ 320,000.00
0128	Sluice Gates and Wall Thimbles	LS	1	\$ 250,000.00	\$ 250,000.00	0	\$ -	\$ -	1	\$ 250,000.00	\$ 250,000.00
0129	Generator Building - Structural and Architectural	LS	1	\$ 550,000.00	\$ 550,000.00	0	\$ 1,000.00	\$ 1,000.00	1	\$ 551,000.00	\$ 551,000.00
0130	Gatewell Structural	LS	1	\$ 870,000.00	\$ 870,000.00	0	\$ -	\$ -	1	\$ 870,000.00	\$ 870,000.00
0131	Gatewell - Miscellaneous Metals	LS	1	\$ 100,000.00	\$ 100,000.00	0	\$ -	\$ -	1	\$ 100,000.00	\$ 100,000.00
0132	Sheetpiling (Pump Station)	LS	1	\$ 1,200,000.00	\$ 1,200,000.00	0	\$ -	\$ -	1	\$ 1,200,000.00	\$ 1,200,000.00
0133	Health and Safety	LS	1	\$ 165,000.00	\$ 165,000.00	0	\$ -	\$ -	1	\$ 165,000.00	\$ 165,000.00
0134	Diesel Generator	LS	1	\$ 385,000.00	\$ 385,000.00	0	\$ -	\$ -	1	\$ 385,000.00	\$ 385,000.00
0135	Switchboard SWBDA, Motor Control Center MCLA, Automatic Transfer Switch, Panel HP1	LS	1	\$ 280,000.00	\$ 280,000.00	0	\$ -	\$ -	1	\$ 280,000.00	\$ 280,000.00
0136	Electrical-Interior	LS	1	\$ 105,000.00	\$ 105,000.00	0	\$ -	\$ -	1	\$ 105,000.00	\$ 105,000.00
0137	Electrical-Exterior	LS	1	\$ 138,066.65	\$ 138,066.65	0	\$ -	\$ -	1	\$ 138,066.65	\$ 138,066.65
0138	Instrumentation and Controls	LS	1	\$ 25,000.00	\$ 25,000.00	0	\$ -	\$ -	1	\$ 25,000.00	\$ 25,000.00
0139	Programming	LS	1	\$ 4,300.00	\$ 4,300.00	0	\$ -	\$ -	1	\$ 4,300.00	\$ 4,300.00
0140	HVAC - General	LS	1	\$ 20,000.00	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00

WP-42A.1/A.3
4th Street Pump Station and Gatewell - 2nd Street Floodwall South

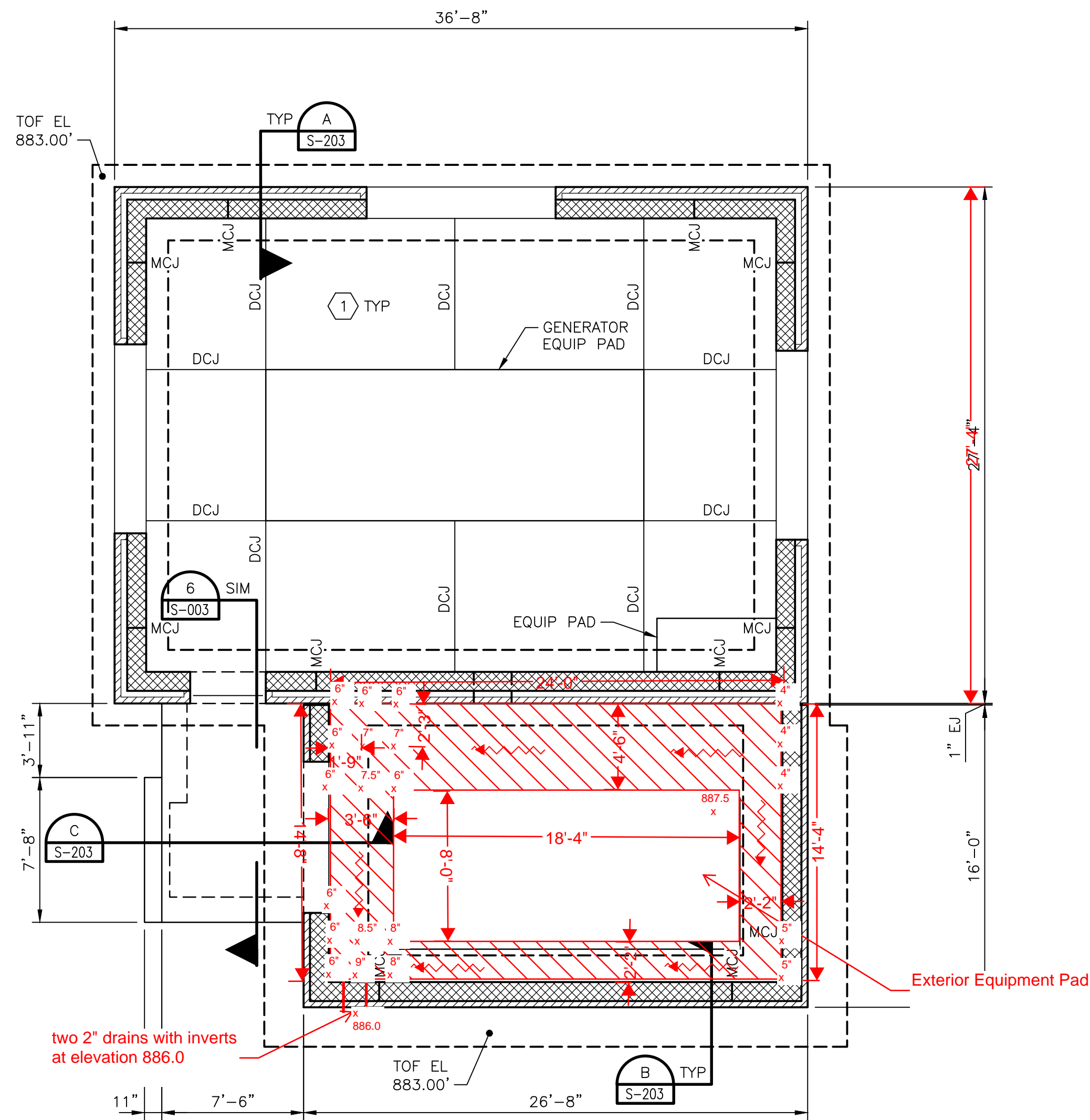
Change Order 7 Unit Price Schedule
 DATE: 10/14/2016



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-06)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0141	Plumbing General	LS	1	\$ 9,570.00	\$ 9,570.00	0	\$ -	\$ -	1	\$ 9,570.00	\$ 9,570.00
0142	Generator Accessories, Fuel Storage and Fuel System	LS	1	\$ 156,200.00	\$ 156,200.00	0	\$ -	\$ -	1	\$ 156,200.00	\$ 156,200.00
0143	Plug Pipe 30" Dia.	EA	1	\$ 860.00	\$ 860.00	0	\$ -	\$ -	1	\$ 860.00	\$ 860.00
0144	F&I Curb & Gutter Standard (Type I)	LF	281	\$ 43.00	\$ 12,083.00	0	\$ -	\$ -	281	\$ 43.00	\$ 12,083.00
0145	F&I Grooved Plastic Film 8" Wide	LF	224	\$ 13.00	\$ 2,912.00	0	\$ -	\$ -	224	\$ 13.00	\$ 2,912.00
0146	F&I Pipe 15" Dia Reinf Conc	LF	18	\$ 82.31	\$ 1,481.58	0	\$ -	\$ -	18	\$ 82.31	\$ 1,481.58
0147	Warming House Electrical Service	LS	1	\$ 49,834.89	\$ 49,834.89	0	\$ -	\$ -	1	\$ 49,834.89	\$ 49,834.89
0148	Bore 36" Pipe	LS	1	\$ 80,566.24	\$ 80,566.24	0	\$ -	\$ -	1	\$ 80,566.24	\$ 80,566.24
0149	Plug Pipe 6" Dia	EA	3	\$ 439.69	\$ 1,319.07	0	\$ -	\$ -	3	\$ 439.69	\$ 1,319.07
0150	F&I Flared End Section 48" Dia Reinf Conc	EA	1	\$ 5,119.28	\$ 5,119.28	0	\$ -	\$ -	1	\$ 5,119.28	\$ 5,119.28
0151	Connect Water Service	EA	2	\$ 2,643.38	\$ 5,286.76	0	\$ -	\$ -	2	\$ 2,643.38	\$ 5,286.76
0152	F&I Pipe 1" Dia Copper	LF	124	\$ 49.35	\$ 6,119.40	0	\$ -	\$ -	124	\$ 49.35	\$ 6,119.40
0153	F&I Pipe w/GB C900 DR 18 - 6" Dia PVC	LF	80	\$ 193.20	\$ 15,456.00	0	\$ -	\$ -	80	\$ 193.20	\$ 15,456.00
0154	Special Order Asbestos Fittings	EA	1	\$ 5,484.57	\$ 5,484.57	0	\$ -	\$ -	1	\$ 5,484.57	\$ 5,484.57
0155	Unknown Structures	LS	1	\$ 87,262.68	\$ 87,262.68	0	\$ -	\$ -	1	\$ 87,262.68	\$ 87,262.68
0156	CO-01 Field Changes	LS	1	\$ 14,998.89	\$ 14,998.89	0	\$ -	\$ -	1	\$ 14,998.89	\$ 14,998.89
0157	CO-02 Misc Requirements	LS	1	\$ 15,394.85	\$ 15,394.85	0	\$ -	\$ -	1	\$ 15,394.85	\$ 15,394.85
0158	Fargo Highrise Work	LS	1	\$ 6,362.42	\$ 6,362.42	0	\$ -	\$ -	1	\$ 6,362.42	\$ 6,362.42
0159	CO-04	LS	1	\$ 15,174.67	\$ 15,174.67	0	\$ -	\$ -	1	\$ 15,174.67	\$ 15,174.67
0160	Sanitary Overflow Connection	LS	1	\$ 10,363.71	\$ 10,363.71	0	\$ -	\$ -	1	\$ 10,363.71	\$ 10,363.71
0161	T&M Budget for Asbestos Pipe and Unsuitable Material Removal	LS	1	\$ 140,000.00	\$ 140,000.00	0	\$ -	\$ -	1	\$ 140,000.00	\$ 140,000.00
0162	CO-06	LS	1	\$ 67,079.47	\$ 67,079.47	0	\$ -	\$ -	1	\$ 67,079.47	\$ 67,079.47
0163	CO-07	LS	1	\$ 7,689.91	\$ 7,689.91	0	\$ -	\$ -	1	\$ 7,689.91	\$ 7,689.91
0164	Reprogramming Display	LS	1		\$ -	0	\$ 1,386.00	\$ 1,386.00	1	\$ 1,386.00	\$ 1,386.00
42A.1/A.3 - TOTAL AMOUNT			CURRENT BUDGET		\$ 18,036,371.39	NET CHANGE		\$ 2,386.00	NEW BUDGET		\$ 18,038,757.39



This document was originally issued and sealed by Svein K. Magnussen, Registration No. PE-9375, on 9/19/14 and the original document is stored at CH2M Hill Engineering, Inc., Fargo, N.D.



GENERAL NOTES:

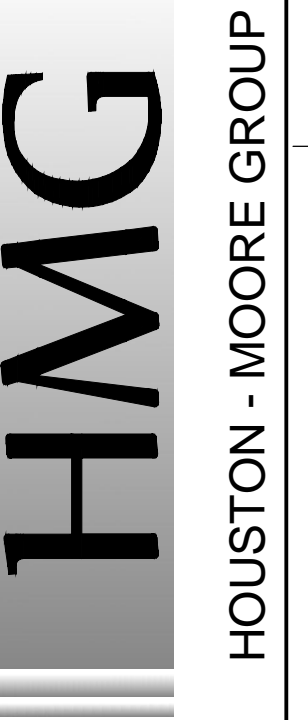
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET S-001.
2. FOR TYPICAL STRUCTURAL DETAILS, SEE SHEETS S-002 TO S-011.
3. COORDINATE ALL SLAB AND WALL PENETRATIONS WITH ARCH, MECH, PROCESS AND ELEC DRAWINGS.
4. COORDINATE ALL EQUIPMENT PAD LOCATIONS WITH MECH AND ELEC DRAWINGS. COORDINATE PAD SIZES WITH EQUIPMENT FURNISHED PER TYPICAL DETAILS ON SHEET S-003.

KEY NOTES:

- ① 12" SLAB-ON-GRADE W/#6@12 EW (TOC EL = 887.00')

FOUNDATION PLAN

3/16"=1'-0"



2ND STREET/DOWNTOWN - IN-TOWN LEVEES
 4TH ST. PUMP STATION AND 2ND ST. SOUTH FLOODWALL
 RED RIVER OF THE NORTH RIVER BASIN
 FARGO-MOORHEAD FLOOD RISK MANAGEMENT
 CASS COUNTY, NORTH DAKOTA
 GENERATOR BUILDING FOUNDATION PLAN

DATE:	11/17/2014
REVISED:	
REVISED:	
REVISED:	
RECORD:	
FILE NAME:	S-201.DWG
PROJECT No.	228479-164
DRAWN BY:	JAS
CHECKED BY:	SKM
PROJ. MANAGER:	KTD
PROJ. ENGINEER:	APG

S-201



P.O. Box 13158 • Grand Forks, ND 58208-3158
(P) 701.775.8480 (F) 701.775.8479
www.icsgf.com

November 4, 2016

Tyler Smith
CH2M Hill
94 4th Street South
Fargo, ND 58105

Re: Contract No. WP-42A.1/A.3 4th Street Pump House

Dear Ty,

See attached price quote from Fusion Automation for re-programming the pump at the new pump station as per your request.

Fusion Automation quote	\$ 1,320.00
ICS 5% markup	66.00
	\$ 1,386.00

Thanks.

Sincerely yours

A handwritten signature in blue ink, appearing to read "Jonathan R. Chose".

Jonathan R. Chose
Project Manager



CHANGE ORDER PROPOSAL # E19

DATE: NOVEMBER 4TH, 2016

PROJECT: FARGO 4TH STREET PUMP HOUSE FLOOD RISK MANAGEMENT

SUMMARY: RE-PROGRAMMING OF PUMPS

INCLUDES:

- Setting the pumps to display depth instead of elevation on the HMI screens in the pump station and that which is transmitted to the city. Set depth needs to be communicated from the engineer
- Retesting of system to confirm it functions correctly after programming changes

Total : \$ 1320.00

Price includes all applicable taxes.

Anne Mayer
Fusion Automation Inc
701-757-0852
Anne.Mayer@fusionautomationinc.com



P.O. Box 13158 • Grand Forks, ND 58208-3158
(P) 701.775.8480 (F) 701.775.8479
www.icsgf.com

November 16, 2016

Tyler Smith
CH2M Hill
520 Main Avenue, Suite 601
Fargo, ND 58105

Re: Contract No. WP-42A.1/A.3 4th Street Pump House

Dear Ty,

As per Glen Krogman's direction ICS quotes \$ 1,000.00 to furnish and install the trench drain in the generator building.

This will also cause a two day delay in receiving the drain, so ICS requests a two day time extension for the generator building.

Please add this to Change Order #8.

Thanks.

Sincerely yours

A handwritten signature in blue ink, appearing to read "Jonathan R. Chose". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jonathan R. Chose
Project Manager

R-4990 HEAVY DUTY TRENCH

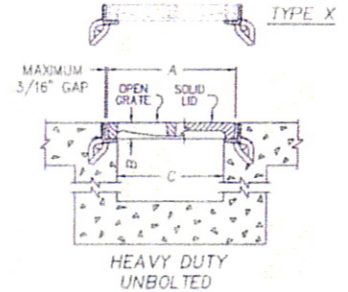
\$ 226.10 + Freight
Frame, Grate, 2 End caps

Materials: All frames and grates/lids are furnished standard in gray iron, meeting ASTM-A48 Class 35-B for heavy-duty use. For extra heavy-duty use or superior durability requirements, see our ductile iron Airport and Port Grating Series on page 286.

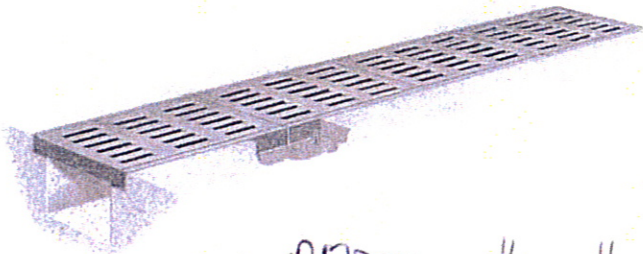
Neenah recommends project designers avoid the use of light duty trench installations because it is likely that applications will be subjected to heavy delivery vehicle traffic at some time. Furthermore, the use of a site could be changed to heavy duty use patterns at some unanticipated future date.

Un-Bolted Catalog No.	Dimensions in inches			Type					
	A	B	C	Type A	Type C	Type D	Type E	Type P	Type Q
R-4990-AX	8	1 1/2	6	x	x	x	x	x	
R-4990-BX	10	1 1/2	8	x	x	x	x	x	
R-4990-CX	12	1 1/2	10	x	x	x	x	x	x
R-4990-DX	14	1 1/2	12	x	x	x	x	x	x
R-4990-EX	17	1 1/2	15	x	x	x	x	x	
R-4990-FX	20	1 1/2	18	x	x	x	x	x	
R-4990-GX	23	1 1/2	21	x	x*	x			
R-4990-HX	26	1 1/2	24	x	x*	x	x		x
R-4990-JX	30	2	27	x	x	x			
R-4990-KX	33	2	30	x	x	x*	x		
R-4990-LX	36	2	33	x	x	x*			
R-4990-MX	39	2	36	x	x*	x			
R-4990-NX	45	2	42	x	x*	x			
R-4990-OX	51	2	48	x		x*			

x - Indicates availability.
* Deep Ribs (consult shop drawing for dimensions).
Deep Ribs = "B" dimension times 2 or greater.



General schematic shown may not apply to all designs. Bar and rib depths, plate thicknesses and seating widths vary on different sizes and styles. If your project has design restrictions, contact your sales representative or product engineering.



APPROX 12" x 24"

Illustrating Type C trench. Trench sections are furnished in 24" standard lengths.

Note: In Type A and P grates the slots are perpendicular to the trench run. In Type C and Q grates the slots are parallel with the trench run.

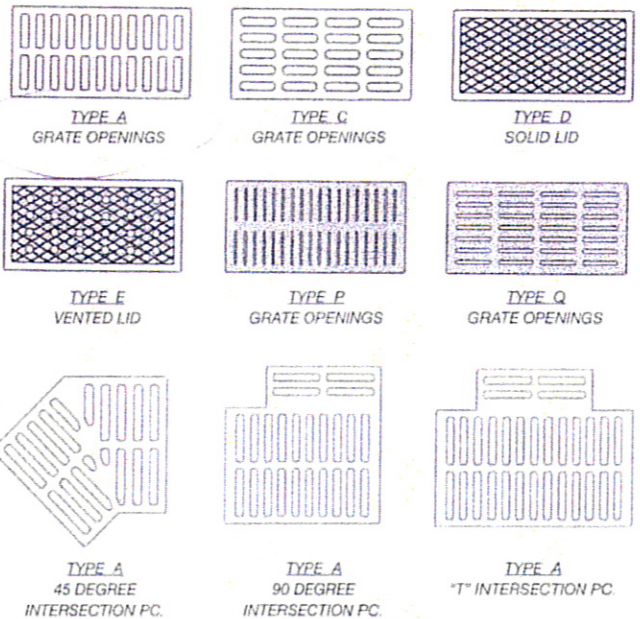
Read Carefully Before Ordering

The various standard trench drains are available with a number of alternatives. It is important to examine all of the variables carefully and specify your requirements fully. Your order will be entered correctly and promptly if it includes the following information:

- Complete catalog number
- Frame end pieces, when required
- Type of Lid or Grate: A, C, D, E, P or Q
- Length of trench sections
- Angles and intersections *
- Load requirements

*Trenches with angles, intersections, size changes or other special requirements require detail drawings prior to ordering. Contact your sales representative or product engineering for assistance.

800-558-5075



Note: 45°, 90° and "T" available in limited sizes and types.

Suggested Forming Instructions for R-4990 Frame and Grate/Lid

Unbolted Units

A typical installation is shown in Figure 1. Details and suggestions are based on using the Neenah Foundry Type X Frame.

Materials

Under normal situations, use 3/4 inch plywood for forming walls. 2x4s are suitable for studs, plates, bracing and spreaders.

Forming Procedures

Pour the floor slab of the trench according to the plans and specifications. The width of the forming, (see Figure 2) measured from the outside edges of the forms, corresponds to the "C" dimension on Figure 1. During the entire forming procedure, verify that the forms are plumb, straight, solid and level.

The height of the form corresponds to the final grade elevation. Extend the spreaders beyond the edge of the forms (see Figure 3 and 4) to provide a stop for the frame and seat form.

To attach the cast iron frame to the forming, the use of a "seat form" is recommended to assure that the frame is at the proper elevation and true. The seat form has the same dimensions as the frame, with the height corresponding to the frame height (the "B" dimension), and the width the same as the seat width of the frame. The seat width should be field measured to assure as proper fit. All Neenah frames have a slight radius at the corner of the seat and vertical face so the seat form should be beveled to accommodate the radius. Most 2x4's have this radius.

Nail the seat form to the frame using the holes in the frame. (Figures 3 & 4)

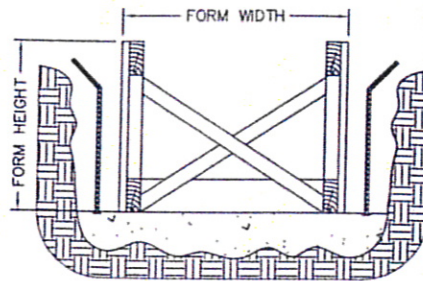
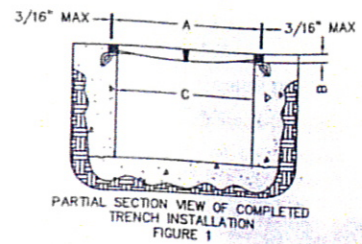


FIGURE 2

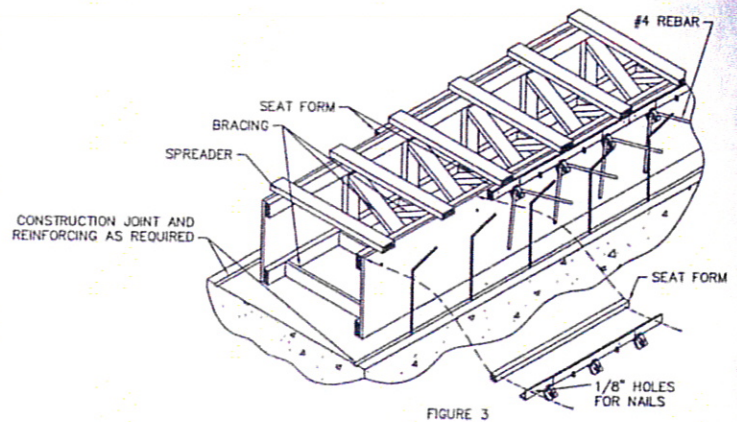


FIGURE 3

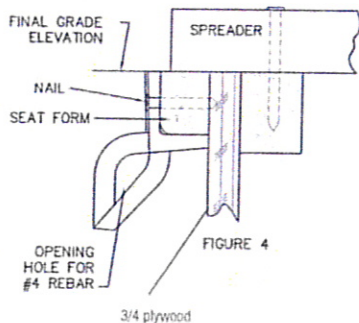


FIGURE 4

(The rebar shown in the vertical walls of the trench is for illustrative purposes only. Proper sizing and placement is the responsibility of the engineering firm providing the project design.)

Frames should butt together snugly, leaving as little gap as possible. Place a 90 degree bent #4 rebar through the holes in the anchor lugs to provide anchorage in the concrete. Verify the space between the edges of the grate and frame so grates will fit properly. There should be a gap but no greater than 3/16" (see Figure 1).

Pour concrete and use the top edge of the frame as a screed point.