FLOOD DIVERSION BOARD OF AUTHORITY
Thursday, August 11, 2016
3:30 PM
Fargo City Commission Room
Fargo City Hall
200 3rd Street North

1.	Call to order		
2.	Approve minutes from previous meeting	Item 2.	Action
3.	Approve order of agenda		Action
4.	Management		Information
	a. PMC report		
	b. Corps of Engineers report		
5.	Administrative/Legal		Information/action
	a. Final Committee Membership Appointments	Item 5a.	
6.	Technical		Information/action
	a. Recommended Contracting Actions	Item 6a.	
7.	Public Outreach		Information/action
	a. Committee report		
	b. Business Leaders Task Force update		
8.	Land Management		Information/action
	a. Committee report		
	b. CCJWRD update		
9.	Finance		Information/action
	a. Committee report		
	b. Resolution Authorizing Draw Down of Funds	Item 9b.	
	c. Voucher approval	Item 9c.	
10.	Other Business		
11.	Go into Executive Session		
12.	Next Meeting –August 25, 2016		
13.	Adjournment		

cc: Local Media

FLOOD DIVERSION BOARD OF AUTHORITY
JULY 14, 2016—3:30 PM

1. MEETING TO ORDER

A meeting of the Flood Diversion Board of Authority was held Thursday, July 14, 2016, at 3:30 PM in the Fargo City Commission Room with the following members present: Cass County Commission representative Darrell Vanyo; Cass County Commissioner Mary Scherling; Cass County Commissioner Ken Pawluk; Fargo City Mayor Tim Mahoney; Fargo City Commissioner Dave Piepkorn; Fargo City Commissioner Tony Grindberg; Moorhead City Council Member Nancy Otto; Moorhead City Council Member Chuck Hendrickson; Clay County Commissioner Kevin Campbell; Clay County Commissioner Grant Weyland; Cass County Joint Water Resource District Manager Rodger Olson; and West Fargo City Commissioner Mike Thorstad. Moorhead City Mayor Del Rae Williams was absent.

Staff members and others present: Cass County Administrator Keith Berndt; Fargo City Administrator Bruce Grubb; Clay County Administrator Brian Berg; Cass County Engineer Jason Benson; Fargo City Director of Engineering Mark Bittner; Fargo City Engineer April Walker; Moorhead City Engineer Bob Zimmerman; Bruce Spiller, CH2M; and Randy Richardson, CH2M.

2. MINUTES APPROVED

MOTION, passed

Mr. Mahoney moved and Mrs. Scherling seconded to approve the minutes from the June 23, 2016, meeting as presented. Motion carried.

3. AGENDA ORDER

MOTION, passed

Mr. Pawluk moved and Mr. Weyland seconded to approve the order of the agenda with the addition of a cost share reimbursement agreement with the State Water Commission. Motion carried.

4. MANAGEMENT UPDATE

Program management consultant (PMC) report

Bruce Spiller provided an update on activities over the last month including attendance at a Public Private Partnership (P3) Infra America conference; trip to Washington, D.C. by Diversion Board members and staff; and the Project Partnership Agreement (PPA) signing event held on July 11th. He said priority areas for July and August include P3 Request for Qualifications (RFQ), Minnesota permits, in-town levee construction, flowage easement development, and Phase 1 land acquisition.

Mr. Spiller provided an update on in-town levee work, Park East Apartments and Howard Johnson property demolitions, El Zagal Phase 2 levee construction, and Mickelson levee extension construction.

5. ADMINISTRATIVE/LEGAL UPDATE

Committee Membership Appointments

Attorney John Shockley said two Diversion Board members need to be appointed to the Land Management Committee and to the Finance Committee per the new Joint Powers Agreement (JPA).

MOTION, passed

Mr. Mahoney moved and Ms. Otto seconded to appoint Diversion Board members Del Rae Williams and Kevin Campbell to the Land Management Committee and appoint Oxbow Mayor Jim Nyhof as a non-voting member. Motion carried.

MOTION, passed
Mr. Pawluk moved and Mr. Thorstad seconded to appoint Diversion Board members Tim Mahoney and Tony Grindberg to the Finance Committee. Motion carried.

P3 Resolution for Issuing RFQ

Mr. Shockley reviewed the "Resolution Establishing Procedures and Protocols for the Request for Qualifications Phase of the P3 Procurement and Approving, Issuing and Authorizing Publication of the Request for Qualifications to Design, Build, Finance, Operate and Maintain the Diversion Channel and Associated Infrastructure Work Package of the Fargo-Moorhead Metropolitan Area Flood Risk Management Project". If approved, the RFQ's will be sent to market today and will be submitted for publication in *The Forum*. He said bidders will propose their qualifications, which will be due September 7th. He said evaluation criteria will be developed over the next few months to be used during the review of proposals. He said between eight to ten teams have expressed interest, and he anticipates three or four firms will be forwarded for consideration to the Diversion Authority Board.

Mr. Campbell asked about the timeframe to hire an Executive Director. He thinks this position should be involved with the RFQ process. Mr. Berndt said he and Mr. Grubb have received a draft position description. Mr. Shockley said the Executive Director is not part of the evaluation process, however the position will be hired before a P3 contractor is chosen. Mr. Shockley also said potential bidders are not supposed to have contact with board members and should contact Bruce Spiller to ensure the process is fair.

Mr. Shockley said member entities will be asked to submit names of individuals to be appointed to the evaluation team. There was a question on the time commitment involved for those on the evaluation team. Mr. Spiller said there will be a 5-week period of intense review of the RFQ's.

Mr. Shockley said the Finance Committee approved the resolution to establish the protocol and to issue RFQ's. He asked the board to consider approval of the same today.

MOTION, passed
Mr. Piepkorn moved and Ms. Otto seconded to approve the Resolution Establishing Procedures and Protocols for the Request for Qualifications Phase of the P3 Procurement and Approving, Issuing and Authorizing Publication of the Request for Qualifications to Design, Build, Finance, Operate and Maintain the Diversion Channel and Associated Infrastructure Work Package of the Fargo-Moorhead Metropolitan Area Flood Risk Management Project. Discussion: Ms. Otto asked who should be on the evaluation committee. Mr. Shockley said engineering and professional staff from the member entities should be considered due to the technical nature of the RFQ review process. On roll call vote, the motion carried unanimously.

Short-Term Financing

Mr. Shockley said the legal team and finance team are working on short-term financing for the project. He said the board will be asked to consider this item at the next meeting on July 28th.

6. TECHNICAL UPDATE

Recommended Contracting Actions Summary

Task Order Amendment

- Houston-Moore Group Task Order 10 Amendment 8 (Utility Relocations)—add relocation design (allowance) and Red River levees utility relocation plan in the amount of $15,500.

Construction Change Orders

- Industrial Builders, Inc. Change Order 09 (Flood Control – 2nd Street North, South of Pump Station)—add differing subsurface conditions, add floodwall utility penetrations, add City of Fargo signal light pull boxes, add concrete utility conduit removal, and deduct City Hall construction coordination for a deduction in the amount of $55,349.74.
- Industrial Builders, Inc. Change Order 08 (2nd Street North Pump Station)—deduct unused hazardous fill removal and disposal for a deduction in the amount of $47,876.36.
- Landwehr Construction, Inc. Change Order 03 (HoJo, Shakey's, Fargo Public School Demolitions)—add removal of ACM pipe, add insulated doors, deduct mulching, deduct over excavation, and deduct foundation wall removal in the amount of $15,109.28.

MOTION, passed

Mr. Pawluk moved and Mr. Campbell seconded to approve the appropriation of funds for the outlined Task Order Amendment and Construction Change Orders. On roll call vote, the motion carried unanimously.

Third-Party Services Agreement

- Aconex (Service Agreement and Phase 2 Services Order)—eight-year multi-party platform electronic data management system and services to manage and store program records in the amount of $1,322,146.

Randy Richardson said the Finance Committee approved the agreement with Aconex subject to a change in the cancellation provisions, which have been clarified to allow a 90-day cancellation notice to be given to Aconex if the Diversion Authority wishes to discontinue with the contract.

Mr. Grindberg is the newest member to the board and asked what services will be provided. Mr. Richardson said Aconex will provide document control software and will serve as a permanent repository for project documents. The software will also automate the handling and transmittal of documents and is a cloud-based service. A local copy will be kept on the hard drive maintained by the City of Fargo.

Mr. Hendrickson asked about ownership of the information. The Diversion Authority will retain ownership of all documents and data within the system.

MOTION, passed

Mr. Mahoney moved and Ms. Otto seconded to approve the appropriation of funds for the Aconex services agreement. On roll call vote, the motion carried unanimously.

Cost Share Reimbursement Agreement

- State Water Commission (2015-2017) Cost Share Reimbursement Agreement)—agreement is necessary to proceed with reimbursements to the Diversion Authority based on claim vouchers documenting actual eligible costs.

Mr. Vanyo said a cost share reimbursement agreement was received from the State Water Commission (SWC) for the 2015-2017 biennium to provide a grant of $69,000,000 on actual eligible costs for the project. Kent Costin, Fargo Finance Director, said the previous agreements with the SWC were with the City of Fargo. This agreement is the same and allows the cost of dwellings to be used as a match for other expenses. The SWC clarified some language in the new agreement regarding this issue.

MOTION, passed

Mr. Mahoney moved and Mr. Weyland seconded to approve the Cost Share Reimbursement Agreement for 2015-2017 with the State Water Commission. On roll call vote, the motion carried unanimously.

7. PUBLIC OUTREACH UPDATE

Committee report

The Public Outreach Committee met on July 13th. Mr. Olson said with the signing of the PPA, the project enters into the construction phase and becomes its own entity. He said a project logo has been created as a result. He said an updated and expanded communications plan is almost complete that will guide outreach efforts in a consistent and effective way. The committee received an update on various public outreach presentations given over the last month, including publication of an article in the North Dakota Water Magazine regarding the Diversion Authority's financial plan and P3 Industry Day held last month. He said comments on the website increased significantly after the PPA was signed and final approval of the project was given by the Corps of Engineers.

8. LAND MANAGEMENT UPDATE

Committee report

The Land Management Committee met on July 13th. Mrs. Scherling said the committee approved the purchase/exchange of organic farmland.

CCJWRD update

Mark Brodshaug referred to the handout regarding land acquisitions completed through July 13, 2016, which includes completed acquisitions, budget figures, and completed negotiations. He said the CCJWRD also approved the purchase of organic farmland which will allow the operator time to transition to new organic farmland. The CCJWRD will close on two hardships acquisitions in Minnesota which were approved but on hold until the MN EIS was completed.

9. FINANCE UPDATE

Committee report

The Finance Committee met on July 13th. Kent Costin, Fargo Finance Director, said the cumulative spent on the project to date is $226,505,699.

Voucher approval

The bills for the month are with CCJWRD for costs associated with in-town levees, access issues, Diversion Project Assessment Committee (DPAC) work, OHB levee, and Oxbow Country Club golf course construction; Dorsey & Whitney LLP for legal services; Erik R. Johnson & Associates, Ltd. for legal services; Ohnstad Twichell, P.C. for P3 bond counsel and 4th Street pump station litigation work; and Springsted Inc. for financial feasibility analysis services.

MOTION, passed

Mr. Mahoney moved and Ms. Otto seconded to approve the vouchers in the amount of $2,787,728.30 for June, 2016. Discussion: Mr. Pawluk asked about the Springsted Inc. bill for $24,136.77. Mr. Costin said Springsted is the financial advisor for bonding services. On roll call vote, the motion carried unanimously.

Management of Cash Balances

Mr. Costin said currently cash balances from sales taxes generated by Fargo and Cass County are collected in the treasury of each entity. The Finance Committee approved a recommendation to begin pooling the cash into a fiscal agent account maintained by the City of Fargo on behalf of the Diversion Authority. Mr. Pawluk questioned how the funds will be transferred since the county will need to approve the transfers. Mr. Costin said the proposal will need to be considered by Cass County and Fargo.

MOTION, passed

Mr. Mahoney moved and Mrs. Scherling seconded to approve the recommendation on the management of cash balances subject to approval by the City of Fargo Commission and Cass County Commission. On roll call vote, the motion carried unanimously.

10. NEXT MEETING DATE

The next meeting will be held on Thursday, July 28, 2016.

11. ADJOURNMENT

MOTION, passed

On motion by Mr. Pawluk, seconded by Ms. Otto, and all voting in favor, the meeting was adjourned at 4:46 PM.

Minutes prepared by Heather Worden, Cass County Administrative Assistant

Member _____ introduced the following resolution and moved its adoption:

RESOLUTION CONFIRMING THE APPOINTMENT OF MEMBERS TO THE LAND MANAGEMENT AND FINANCE COMMITTEES OF THE METRO FLOOD DIVERSION AUTHORITY

WHEREAS, Article VI of the Joint Powers Agreement dated June 1, 2016, ("JPA"), contains the powers, duties, and membership requirements of committees established by the Diversion Authority Board; and

WHEREAS, the Diversion Authority Board must appoint the members of the Land Management Committee in accordance with Section 6.04 of the JPA; and

WHEREAS, the Diversion Authority Board must appoint the members of the Finance Committee in accordance with Section 6.11 of the JPA.

NOW, THEREFORE, BE IT RESOLVED by the governing body of the Diversion Authority:

Section 1. Land Management Committee. The Diversion Authority hereby confirms the appointment of the members to the Land Management Committee of the Metro Flood Diversion Authority as reflected on the attached Exhibit A, and further, states that the membership of the Land Management Committee meets the requirements of Section 6.04 of the JPA.

Section 2. Finance Committee. The Diversion Authority hereby confirms the appointment of the members to the Finance Committee of the Metro Flood Diversion Authority as reflected on the attached Exhibit A, and further, states that the membership of the Finance Committee meets the requirements of Section 6.11 of the JPA.

Section 3. This Resolution shall take effect immediately upon adoption.

Dated: August 11, 2016

METRO FLOOD DIVERSION AUTHORITY

APPROVED:

_____
Darrell Vanyo, Chair

ATTEST:

_____
Heather Worden, Secretary

Dated Approved: _____

The motion for adoption of the foregoing resolution was duly seconded by Member _____, and upon roll call vote, the following voted in favor thereof: _____. The following were absent and not voting: _____. The following voted against the same: _____. _____ of the Members having voted aye, the resolution was declared duly passed and adopted.

EXHIBIT A

Land Management Committee

Del Rae Williams	Mayor of Moorhead
Kevin Campbell	Clay County Commissioner
John Strand	Fargo City Commissioner
Nathan Boerboom	Engineer, City of Fargo
Bruce Grubb	City Administrator, City of Fargo
Heidi Durand	Moorhead City Council
Bob Zimmerman	Engineer, City of Moorhead
Mary Scherling	Cass County Commissioner
Chad Peterson	Cass County Commissioner
Jim Nyhof	Mayor of Oxbow
Jenny Mongeau	Clay County Commissioner
Rodger Olson	Cass County Joint Water Resource District

Finance Committee

Tim Mahoney	Mayor, City of Fargo
Tony Grindberg	Fargo City Commissioner
Tony Gehrig	Fargo City Commissioner
Kent Costin	Finance Director, City of Fargo
Mike Redlinger	Asst. City Administrator, City of Fargo
Nancy Otto	Moorhead City Council Member
Wanda Wagner	City of Moorhead Finance Director
Darrell Vanyo	Chair, Diversion Authority Board
Mike Montplaisir	Cass County Auditor
Rick Steen	Cass County Commissioner
Lori Johnson	Clay County Auditor
Mark Brodshaug	Southeast Water Resource District Manager

Recommended Contracting Actions Summary

Date: August 11, 2016

Description	Company	Budget Estimate ($)
Task Order Amendments		
6.a.1 Task Order 01, Amendment 9 Project Management • Add budget for additional monthly reporting and scope and budget for completed work packages GIS submittals.	Houston-Moore Group	109,752
6.a.2 Task Order 08, Amendment 14 Work-In-Kind (WIK) • Add budget for closing out comments on the USACE Diversion Inlet Design.	Houston-Moore Group	273,569
6.a.3 Task Order 12, Amendment 1 CR-10 Bridge • Delete scope and budget for the design of WP-13 (CR-10 Bridge) within Diversion Channel.	Houston-Moore Group	-665,000
6.a.4 Task Order 16, Amendment 4 Permit Submittal Preparation and Other Related Services • Review existing, develop draft, and prepare updated floodplain ordinances.	Houston-Moore Group	50,000
6.a.5 Task Order 18, Amendment 2 Design of Work Package 28 (CR 16/17 Road and Bridge Design) • Add budget to complete the design of the CR-16/ CR 17 Bridge.	Houston-Moore Group	62,401
Total	**Houston-Moore Group**	**-169,278**
6.a.6 Task Order 01, Amendment 4 Materials Testing Services (Work Package 42) • Add additional survey and asbestos sampling costs for on-going asbestos abatement for WP-42C.1, WP42H., WP-42I.1, and WP4A1.A3. • Add survey and asbestos sampling services for WP43.E.C.2 to include Romine Property. • Add lead based sampling for WP 42F.1N.	Terracon	167,490

Description	Company	Budget Estimate ($)
Construction Change Orders		
6.a.7 WP-42A1A3 (4th Street Pump Station), Change Order 04 • Reconcile change items that were suspended during box culvert negotiations, including time extensions and multiple small cost adjustments for Engineer- and Owner-directed items.	ICS, Inc.	15,174.67
6.a.8 WP-42A2 (2nd Street North Pump Station), Change Order 09 • Sluice Gate Operator Covers	Industrial Builders, Inc.	5,486.80
6.a.9 WP-42F1N 2nd Street North (North of Pump Station), Change Order 01 • Watermain Insulation Change and Floodwall Cap Modification	Industrial Builders, Inc.	8,122.00
6.a.10 WP-42F1S (Flood Control – 2nd St. N, South of Pump Station), Change Order 10 • Disposal of 2B Vault, Differing Subsurface Conditions – Silo Disposal in Case Plaza, and Floodwall Cap Modification	Industrial Builders, Inc.	32,505.68
6.a.11 WP-42H2 (El Zagal Area Flood Risk Mgmt-Phase 2), Change Order 02 • Plugged sanitary gravity line, tree removal, storm manhole repair, standby time due to lift station/forcemain problem.	Reiner Contracting Inc.	34,568.20
6.a.12 WP-42I1 (Mickelson Levee Extension), Change Order 02 • Scope and budget for removal of concrete swimming pool at 16 North Terrace, additional asbestos abatement.	Industrial Builders, Inc.	6,079.00

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Houston-Moore Group, LLC

Task Order 1, Amendment 9 – Project Management $109,752.00

- Adds budget for additional monthly reporting and scope and budget for completed work packages GIS submittals

BACKGROUND:

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

This amendment adds scope and budget for additional work under the Project Controls subtasks, and includes work and costs incurred for additional monthly reporting requirements and preparation and submittal as part of the project record, GIS final design files for completed work under WP-42 (In-Town Levees), WP-43 (Oxbow-Hickson-Bakke Ring Levee), and Diversion Bridge Channel designs (WP-02, WP-04, WP-07, and WP-28).

Summary of Contracting History and Current Contract Action:

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

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Execution Date	Project Completion	Comments
Task Order 1 Amendment 5	$920,000	-	$3,407,675	14-Aug-14	30-Sep-15	Extended POP for All Work to 30-Sep-15, and added funding for subtasks A.i (Project Management) and D. (Insurance).
Task Order 1 Amendment 6	$450,000	-	$3,857,675	14-Aug-15	31-Mar-16	Extended POP for All Work to 31-Mar-16, and added funding for subtasks A.i (Project Management), A.ii (Public Involvement Assistance), and D. (Insurance).
Task Order 1 Amendment 7	$398,000	-	$4,255,675	11-Mar-16	31-Dec-16	Adds funding for subtasks A.i (Project Management) and A.ii (Public Involvement Assistance). Adds insurance requirement for 2016. Adds requirements for monthly schedule updates invoicing and status reporting. Extends POP for All Work through 31-Dec-16.
Task Order 1 Amendment 8	$15,100	-	$4,270,775	23-Jun-16	31-Dec-16	Increases Subtask D (Insurance) to cover actual 2016 insurance cost and updated the programmatic schedule activity ID for Project Management subtasks.
Task Order 1 Amendment 9	$109,752	-	$4,380,527	11-Aug-16	31-Dec-16	Adds budget for additional monthly reporting and scope and budget for completed work packages GIS submittals.

DISCUSSION:

Amendment 7, executed March 11, 2016, added scope for additional Project Controls monthly invoice reporting and schedule updates, but did not include additional budget for the work. At the time, the Project Controls budget had adequate short term budget and it was not known what additional work and budget would be required to comply with the additional reporting. Four (4) monthly invoicing cycles have been completed since Amendment 7 and it is now apparent that additional budget is required for this scope. HMG provided a cost proposal of $71,400 for processing sub-consultant invoices and payments, coordination with PMC, development of monthly summary reports, and monthly scheduling updates.

This Amendment also adds scope and budget to prepare and submit GIS data packages for completed work under WP-42 (In-Town Levees), WP-43 (Oxbow-Hickson-Bakke Ring Levee), and Diversion Bridge Channel designs (WP-02, WP-04, WP-07, and WP-28). HMG provided a cost proposal of $38,352 for the GIS final design submittals.

The Period of Performance for Task Order 1 is not changed by this amendment, and ends December 31, 2016

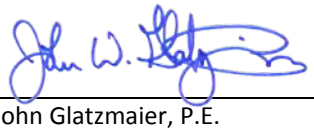
The PMC reviewed HMG's cost proposals and found it to be acceptable.

This change amount of $109,752 is included in the FY-2016 FMDA budget.

ATTACHMENT(S):

1. DRAFT Task Order No. 1 Amendment 9
2. Cost Proposal for HMG Task Order 1- Project Controls-2016-07-27

Presented by:



August 3, 2016

John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: August 8, 2016 *Non-Concur:*

April Walker, Fargo City Engineer
Concur: August 8, 2016 *Non-Concur*

Mark Bittner, Fargo Director of Engineering
Concur: August 3, 2016 *Non-Concur:*

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur*

David Overbo, Clay County Engineer
Concur: August 8, 2016 *Non-Concur:*

Robert Zimmerman, Moorhead City Engineer
Concur: August 3, 2016 *Non-Concur*

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 5, 2016 *Non-Concur:*

This is Task Order No. 1, Amendment ~~8~~9, consisting of 5 pages.

Houston-Moore Group, LLC

Task Order No. 1, Amendment ~~8~~9

MFDA Purchase Order No. 151232

Project Management

In accordance with Paragraph 1.01 of the Agreement between Fargo-Moorhead Flood Diversion Authority ("Owner") and Houston-Moore Group, LLC (HMG) ("Engineer") for Professional Services – Task Order Edition, dated March 8, 2012 ("Agreement"), Owner and Engineer agree as follows:

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

DRAFT

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

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

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

Deliverables

i. Monthly reports

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

i. General

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

ii. USACE/Diversion Authority Compliance

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

iii. Schedule Management

1. Review and monitor task order schedules.
2. Implement a schedule reporting system, which will monitor and manage the progress of project tasks on a monthly basis.
3. Provide monthly schedule update.
   a. CH2M HILL / AE2S will provide a P6 schedule prior to the last Friday of each month.
   b. Engineer will update the actual start and finish dates and provide estimated expected finish dates based on their work progress.
   c. Monthly schedule updates will be provided by Engineer to CH2M HILL / AE2S by the first Friday of the subsequent month (within one week of month end).

iv. GIS Final Design Submittals

DRAFT

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

Deliverables

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

ii. GIS final design submittals.

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

Deliverables

i. On-call service deliverables as requested.

D. Insurance: Provide $5M in project specific insurance as a project cost ($5M of project specific insurance is to be provided at Engineer's expense) for 2012, 2013, 2014, 2015, and 2016.

Deliverables

i. Insurance Certificates naming the Diversion Board of Authority, Fargo, ND; City of Fargo, ND; Cass County, Fargo, ND; Cass County Joint Water Resource District, West Fargo, ND; City of Moorhead, MN; Clay County, Moorhead, MN; Buffalo-Red River Watershed District, Barnesville MN; North Dakota State Water Commission, Bismarck, ND; and CH2M HILL as additional insureds.

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 and in Exhibit B.

4. Times for Rendering Services

Phase	**Start Time**	**Completion Time**
All Work	March 8, 2012	December 31, 2016

5. Payments to Engineer

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

i. Compensation for services identified under Subtasks A through D shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Appendix 2 of Exhibit C of the Agreement.

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

iii. Estimated budget for Subtask A.ii, Public Involvement Assistance, and Subtask C, On-Call Services, is based on an allowance.

1. Engineer will notify Owner when eighty percent (80%) of the budget on Subtask A.ii, Public Involvement Assistance, and Subtask C, On-Call Services, is expended.

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2. Engineer will prepare and submit an amendment for additional compensation when ninety percent (90%) of budget on Subtask A.ii, Public Involvement Assistance, and Subtask C, On-Call Services, is expended.

3. Engineer will not perform work beyond one hundred percent (100%) of the budget for Subtask A.ii, Public Involvement Assistance, and Subtask C, On-Call Services, without Owner's authorization by an amendment to this Task Order.

Subtask		Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
A.i	Project Management	SW-1160	3,364,175	0	3,364,175
A.ii	Public Involvement Assistance	SW-1160	279,000	0	279,000
B.	Project Controls	SW-1160	97,500	~~0~~109,752	207,252~~97,500~~ ~~0~~
C.	On-Call Services	SW-1160	50,000	0	50,000
D.	Insurance	SW-1160	480,100~~465,000~~	~~15,1000~~	480,100
TOTAL			**4,270,775~~4,255,675~~**	**109,752~~15,100~~**	**4,380,527~~4,270,775~~**

B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

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

D. Provide monthly invoice and status report

i. Status report will accompany invoice, and detail work completed during the invoice period.
ii. Status report will be organized by subtask, and provide narrative of work completed on each subtask.
iii. Status of work completed will include:
1. Outstanding issues to resolve, expected steps to progress work, outstanding items required from Owner, Owner's Representative, or others to progress work, anticipated completion date of subtasks.
2. Dates of on-call services provided, and description of the activities performed by Engineer, including any deliverables produced.
3. Dates of deliverables otherwise required under the Project Management task.

6. Consultants:

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

7. Other Modifications to Agreement: None

8. Attachments: None

9. Documents Incorporated By Reference: None

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

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

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Darrell Vanyo Name
President Title	Chairman, Flood Diversion Board of Authority Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Keith Berndt Name
Sr. Project Manager Title	Cass County Administrator Title
925 10th Avenue East West Fargo, ND 58078 Address	211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address
cgthielman@houstoneng.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 237-5065 Phone	(701) 241-5720 Phone
Fax	(701) 297-6020 Fax

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HMG

FM Metro Risk Management Project

Task Order No. 1 - Amendment No. 9 - Project Controls

Task	Activity Description	Personnel Costs														Cost Per Task
		Senior Project Manager		Senior Project Engineer		Project Manager		CADD Technician III		GIS Technician III		Bookkeeper		Administrative Assistant		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
Additional Services																
Task 1	Project Controls															
A.1	Processing sub-consultant invoices and payments, coordination with PMC, development of monthly summary reports, and monthly scheduling updates.	0	$ -	0	$ -	210	$ 32,970	0	$ -	0	$ -	210	$ 18,270	280	$ 20,160	$ 71,400
A.2	Project Record GIS final design submittals of completed work packages for In-Town Levees, Oxbow-Hickson-Bakke, and Diversion Bridge Channel designs.	16	$ 2,784	16	$ 2,592	16	$ 2,512	128	$ 14,720	128	$ 15,744	0	$ -	0	$ -	$ 38,352
	Total	16	$ 2,784	16	$ 2,592	226	$ 35,482	128	$ 14,720	128	$ 15,744	210	$ 18,270	280	$ 20,160	$ 109,752
	Grand Totals															$ 109,752

Technical Advisory Group Recommendation

Meeting Date: 8/4/2016

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 prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Houston-Moore Group, LLC

Task Order 8, Amendment 14 – Work-in-Kind (WIK) $273,569

- Add scope and budget for USACE WRR, Southern Embankment, and RRN design team participation and design reviews.

BACKGROUND:

Houston-Moore Group, LLC (HMG) has provided Work-in-Kind engineering services under Task Order 8 from June 14, 2012, to the present time. See the table below for a summary of the amendments to the Task Order.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Agreement Execution Date	Project Completion	Comments
Task Order 8 Amendment 0	$ -	$669,330	$ -	12-Apr-12	31-Jul-12	Initial authorization of subtasks A-E.
Task Order 8 Amendment 1	$58,000	-	$727,330	10-Oct-12	31-Oct-12	Added meander belt width analyses; EMB opening; maximum project design flows; local drainage plan.
Task Order 8 Amendment 2	$18,000	-	$727,330	20-Nov-12	31-Dec-12	Added Reach 1 Low Flow Channel Meander Modeling.
Task Order 8 Amendment 3	$15,000	-	$727,330	10-Jan-13	30-Sep-13	Added Geomorphology.
Task Order 8 Amendment 4	$15,000	-	$727,330	13-Jun-13	30-Sep-13	Added MN EIS Scoping Document.
Task Order 8 Amendment 5	$0	-	$727,330	10-Oct-13	30-Sep-14	Extended POP.
Task Order 8 Amendment 6	$129,345	-	$856,675	13-Feb-14	30-Sep-14	Added MN EIS Preparation Support.
Task Order 8 Amendment 7	$86,000	-	$942,675	9-Oct-14	31-Mar-15	Added Cemetery Assessment Team Support, and Large Structure Team Support.
Task Order 8 Amendment 8	$264,000	-	$1,206,675	10-Dec-14	28-Feb-15	Added Hydraulic Structures Aesthetics Evaluation, and Baseline Streambank Erosion Evaluation.

Task Order 8 Amendment 9	$97,000	-	$1,303,675	5-Feb-15	30-Jun-15	Added analysis of 37-foot stage through town, and LFC Modeling: Maple River to Diversion Inlet.
Task Order 8 Amendment 10	$175,000	-	$1,478,675	9-Apr-15	30-Sep-15	Added funding for MN EIS Preparation Support, and Large Structure Team Support.
Task Order 8 Amendment 11	$0	-	$1,478,675	14-Aug-15	31-Mar-16	Reallocated budget, and extended POP of selected subtasks to 31-Mar-16.
Task Order 8 Amendment 12	$34,190	-	$1,512,865	11-Feb-16	31-Dec-16	Adds funding Cemetery Assessment Team Support, and Baseline Streambank Erosion Evaluation; extends POP of selected subtasks to 31-Dec-16.
Task Order 8 Amendment 13	$5,800	-	$1,518,665	23-Jun-16	31-Dec-16	Adds budget for addressing comments on the USACE Diversion Inlet Design.
Task Order 8 Amendment 14	$273,569	-	$1,792,234	11-Aug-16	31-Dec-16	Adds budget to support the designs for the Wild Rice River Control Structure, Southern Embankment, and Red River Control Structure.

DISCUSSION:

USACE is initiating design tasks for the Wild Rice River (WRR) Control Structure, the Southern Embankment, and the Red River of the North (RRN) Control Structure of the federal portion of the FM Area Diversion Project. USACE previously conducted preliminary design studies for these structures, and HMG provided technical expertise to support that effort. The Diversion Authority will own and operate the project and considers continued and local sponsor participation in and review of USACE designs critical to the overall success of the Project.

Amendment 14 to Task Order 8 adds $273,569 to the current budget for Work-In-Kind (WIK), to support the USACE design of the WRR Control Structure, the Southern Embankment, and the RRN Control Structure. Services include participation in design process and review of Preliminary Engineering Report (PER) 35% design submittal, Design Documentation Report (DDR) 65% design submittal, Final Technical Report (FTR) 95% design submittal, and Bidability, Constructability, Operability, and Environmental (BCOE) 100% design submittal.

The USACE provided a preliminary design schedule for the WRR Control Structure that showed the PER review starting in January 2017, the DTR review starting in June 2017, and the FTR review starting in December 2017.

HMG provided cost proposals for the three design support tasks. For each one, HMG estimated hours and budget for attending the kick-off meetings, and review of the PER, DTR, FTR and BCOE design submittals. These cost proposals are attached. The WRR and RRN Control Structure efforts were estimated at 636 hours and $103,332 each. The Southern Embankment effort was estimated at 420 hours and $69,905.

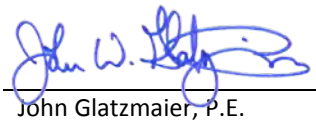
The PMC reviewed HMG's cost proposal and found it to be acceptable.

This change amount of $273,569 is included in the FY-2016 FMDA budget.

ATTACHMENT(S):

1. DRAFT Task Order 8 Amendment 14
2. Cost Proposal for HMG Task Order 8 - RRN Control Structure-2016-07-27
3. Cost Proposal for HMG Task Order 8 - Southern Embankment-2016-07-27
4. Cost Proposal for HMG Task Order 8 - WRR Control Structure-2016-07-27

Presented by:



John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

August 4, 2016
Date

Keith Berndt, Cass County Administrator
Concur: August 8, 2016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: August 5, 2016 *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: August 8, 2016 *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: August 5, 2016 *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: August 4, 2016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 4, 2016 *Non-Concur:* _____

This is Task Order No. 8, Amendment 1~~4~~3, consisting of 16 pages.

Houston-Moore Group, LLC

Task Order No. 8, Amendment 1~~4~~3

MFDA Purchase Order No. 152023

Work-In-Kind (WIK)

In accordance with Paragraph 1.01 of the Agreement between **Fargo-Moorhead Flood Diversion Authority** ("Owner") and **Houston-Moore Group, LLC** (HMG) ("Engineer") for Professional Services – Task Order Edition, dated March 8, 2012 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 8 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude ENGINEER from invoicing for work authorized under prior versions of this Task Order and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

1. Specific Project Data

   A. Title: **Work-In-Kind (WIK)**

   B. Description: This task order will include requests by USACE for the Local Sponsor (Diversion Authority) to provide WIK services related to the Project.

   C. Background: As allowed by the Federal process, USACE is allowed to request the Diversion Authority provide services as WIK for services that USACE would normally do, but that the Diversion Authority has resources or particular expertise to perform.

2. Services of Engineer

   A. MEANDER BELT WIDTH ANALYSES:

   Background: Meander Belt Width Analysis was begun under a separate contract. This scope expands upon the work completed under the separate contract.

   Develop a Technical Memorandum (TM) that provides estimates of the probability of non-exceedance for different meander belt widths given design flows and channel geometry of the Low Flow Channel (LFC), variability and uncertainty in the erodibility and shear strength of the soils along the LFC, and most likely scenarios for the sequence of diversion works commissioning.

   Develop for the following six (6) reaches:

   I. Diversion outlet upstream to Rush River inlet
   II. Rush River inlet upstream to Lower Rush River inlet
   III. Lower Rush River inlet upstream to Maple River aqueduct
   IV. Maple River aqueduct upstream to Drain 14 inlet
   V. Drain 14 inlet upstream to Drain 21C inlet
   VI. Drain 21C inlet upstream to Sheyenne River aqueduct

   Conduct the following tasks:

   I. Site visit of Red River and tributaries.

   II. Conduct geoprobe drilling, sediment coring, and carbon dating at transects along successive point bars in meander loops at the Red River of the North, Sheyenne River, and Rush River (upstream of channelized reaches) to determine channel migration rates over geologic time scale.

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III. Identify channel avulsion using LiDAR, and develop preliminary hypothesis about possible triggers.

IV. Calculate meandering planform statistics for different reaches of the Red River of the North, Rush, Lower Rush, Maple, and Sheyenne Rivers and compare bankfull geometry and streamwise slope for bracketing of the proposed planform and cross section configuration of the LFC.

V. Develop RVR Meander models for selected reaches of the Red River of the North, Rush, Lower Rush, Maple, and Sheyenne Rivers to obtain calibration parameters for evaluation of the proposed planform and cross section configuration of the LFC.

VI. Quantify the ultimate meander amplitude of the proposed planform configuration of the LFC using RVR Meander in probabilistic fashion to account for the observed variability in hydrologic conditions and soil properties.

VII. Provide most optimal, alternative planform and cross section configuration of the LFC that minimizes meandering adjustments in both the short- and long-term. Evaluate need for lateral and vertical erosion control features in the LFC or the main diversion channel.

VIII. Assess impact of different scenarios for commissioning of diversion works on short-term LFC meandering adjustments using RVR meander in deterministic fashion.

IX. Develop a summary of significant O&M activities for the West Fargo Diversion and Horace to West Fargo Diversion Channels. This will include a map for every year since the Diversion channels were constructed, including items such as quantities and lengths of sediment removal, riprap, structure installations or modifications, or surveys.

X. Provide technical assistance and review to USACE on sediment transport analysis and Geomorphology Study.

The following data and definitions will be provided by USACE or Owner:

I. The resistance to erosion and shear strength properties of the soils along the LFC, including ongoing laboratory tests of soil erodibility at Texas A&M, as well as more recent geotechnical field investigations conducted along the LFC and main diversion channel.

II. The proposed LFC dimensions (cross sections, slope) and planform configuration.

III. Design flow discharges for the LFC, including updates on the hydrology of frequent events.

IV. Proposed vegetation coverage at the bottom of the main diversion channel.

V. Report prepared by WEST Consultants (“Geomorphology Study of the Fargo, ND & Moorhead, MN Flood Risk Management Project”), including electronic files containing historical data compiled and new data collected.

VI. Most likely scenarios for commissioning of diversion works.

Prepare a first Draft Technical Memorandum:

I. Summarize key findings during initial site visit.

II. Describe field investigations along successive point bars in meander loops; include laboratory results of carbon dating, if available.

III. Identify channel avulsion areas, and of other geomorphic features (e.g., oxbows) characterizing river dynamics over long spatial and time scales.

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IV. Present meandering statistics for the Red River of the North, Rush, Lower Rush, Maple and Sheyenne rivers and compare to bankfull geometry and streamwise slopes.

V. Provide initial description of approach for meander belt width analysis using RVR Meander, including modeling in probabilistic terms.

VI. Develop and calibrate RVR Meander models for selected reaches of the Red River of the North, Rush, Lower Rush, Maple, and Sheyenne Rivers.

Prepare a second Draft Technical Memorandum:

I. Describe approach for meander belt width analysis using RVR Meander and extended geomorphologic analysis of the Red River of the North and its tributaries.

II. Process data for input into meander belt width analysis of LFC.

III. Provide meander belt width analysis of LFC using RVR meander, and iterations with sediment transport calculations.

IV. Extend geomorphologic analysis of the Red River of the North and its tributaries, including determination of channel migration rates and channel avulsion potential over long time scales.

V. Recommend design planform and cross section configuration for Final Design of LFC.

Develop a brief, graphics-rich, PowerPoint presentation of the background and results. This presentation must be suitable for a non-technical audience.

Deliverables:

I. REV2 Technical Memorandum – Meander Belt Width Analysis

II. REV2 PowerPoint Presentation

B. IDENTIFICATION AND ASSESSMENT OF TIE-BACK LEVEES:

I. Background: USACE is undertaking an analysis to determine if the tie-back levees would be classified as jurisdictional dams. If the tie-back levees are classified as dams, the impact to the project needs to be determined.

II. Assist the Owner and PMC with identifying and assessing the impacts to the Project due to the possible reclassification of the tie-back levees to be jurisdictional dams. Assistance may include:

- analysis and comparison of Federal, State of North Dakota, and State of Minnesota regulations
- identification of applicable design criteria
- analysis of floodplain impacts, including FEMA, state law and rules, and local jurisdiction regulations
- assessment of spillway and flowway requirements
- recommendations for options for the project

C. EMB OPENINGS:

I. Background: prior to operation of the Diversion, the Fargo-Moorhead area may experience flood events. The partially constructed works should not increase the impacts of flooding.

II. Determine the location and size of openings in the excavated material berms (EMBs) to prevent an increase in flood elevations from the “without project” case for the 10-yr and

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100-yr events. In addition to analysis of Red River and Rush/Lower Rush River events, analyze Sheyenne River and Maple River events. Provide to USACE design teams.

D. DIVERSION INLET GATES:

I. Background: the FM Diversion Feasibility Study recommended a fixed weir for the inlet to the Diversion Channel. A gated inlet may offer some advantages over the fixed weir.

II. Develop preliminary layout and sizing of a gated inlet to the Diversion channel, including gate sizing and number of gates, to pass flows up to the Inflow Design Flood (IDF). Describe operation during the Probable Maximum Flood (PMF).

III. Assess capacity limitations of the Sheyenne River aqueduct for events up through the IDF.

IV. Determine advantages and disadvantages of a fixed weir and a gated structure, including reliability, operability, through-town hydrograph, environmental, and geotechnical considerations, and impacts on the volume, frequency, and duration of water in the staging and storage areas for the 10, 100, and 500 year events.

V. Develop preliminary comparative cost estimates of each type of inlet.

E. ON-CALL SERVICES**:** Respond to requests for services from PMC for tasks not identified to date. Requests will be provided by PMC in writing. Work will not be performed by Engineer without authorization by PMC or Owner.

Deliverables: On-call service deliverables as requested.

I. MAXIMUM PROJECT DESIGN FLOWS. For approximately 15 Project flow scenarios, ranging from 0 – 250,000 cubic feet per second (cfs) and with a maximum flow rate through the diversion channel of 100,000 cfs:

1. Use existing model runs with Fargo Gage range of 30-40 feet and interpolate when needed, determine the following:

- Modeled flow rates through the diversion channel.
- Modeled flow rates through the Red River.
- The water surface elevation for the southern embankment (staging/storage area).

2. For stages at the Fargo Gage up to 43 feet, conduct modeling to determine:

- Modeled flow rates through the diversion channel.
- Modeled flow rates through the Red River.
- The water surface elevation for the southern embankment (staging/storage area).

Deliverables: Provide a table of results. Use template developed by USACE.

II. LOCAL DRAINAGE PLAN. Complete the scope of work identified in AWD-00005, currently being executed under City of Fargo contract No. 5683-5.

Deliverables:

1. Technical Memorandum – Local Drainage Plan for the FM Diversion Project.
2. PowerPoint Presentation.

III. REACH 1 LOW FLOW CHANNEL (LFC) MEANDER MODELING.

1. Model the Reach 1 LFC design developed by USACE using the RVR Meander software.

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Deliverables:

1. Technical Memorandum.

IV. GEOMORPHOLOGY CONSULTING

1. Provide senior engineer ongoing engineering consultation, preparation for workshop with Minnesota Department of Natural Resources, and workshop participation.

V. MN EIS SCOPING DOCUMENT

1. Participate in meetings and perform requested work to expand upon the upstream retention portion of the FM Diversion – Flood Frequency and Retention White Paper in combination with levees to 42.5 feet. Assist the USACE with comments on the MN EIS Combination of Measures without a Diversion alternative.

Deliverables:

1. Revised upstream retention white paper.

VI. MN EIS PREPARATION SUPPORT

The Minnesota Department of Natural Resources (DNR) is preparing an EIS for the Fargo-Moorhead Flood Risk Management Project and requires support from the Local Sponsors to complete technical studies and reports for the EIS as listed below.

1. Socioeconomic Analysis:

The MN EIS will provide information on the social and economic effects of reducing flood risk within the Fargo-Moorhead Metropolitan area and impacts in the staging area. This information will satisfy the State's procedural requirements to assess social and economic factors as they relate to the Project and project alternatives (Minnesota Rules part 4410.2300 H) and address public comments received regarding the socioeconomic effects of the Project.

The socioeconomic impacts will quantitatively identify the costs of the Project (including mitigation) as well as the flood damage reduction benefits arising from operation of the Project (including mitigation). The EIS will also qualitatively disclose the social implications of the Project.

The socioeconomic analysis will incorporate new and updated information in addition to what was incorporated into models developed for the FFREIS. Therefore, the EIS model outputs will not provide a side-by-side comparison of model outputs developed for the FFREIS and will not be comparable to model outputs that were presented in the FFREIS or model outputs that would result from applying the model platform used for the FFREIS.

Model outputs for inclusion in the EIS will be quantitative cost/benefits for five different flood frequencies (10, 25, 50, 100, and 500-year) for all alternatives found to meet the purpose and need of the Project and carried forward in analysis. Flood elevations from the H&H flood frequencies will be used to populate a socioeconomic model to quantify flood related costs and benefits. Local and regional benefits will be identified and incorporated into the analysis.

Social impacts such as property buyouts will be described in monetary terms where possible and qualitatively disclosed where the impact is not quantifiable. If possible, the flood damages/fighting, development and qualitative social outputs will also be displayed geographically indicating North Dakota versus Minnesota and metropolitan versus rural.

a. Software: Hazus-MH 2.1 (FEMA) with user supplied data for economic analysis (IMPLAN default data not provided with this version).

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b. Local and Regional Benefits – obtain from Corp's Regional Economic Development (RED) account or similar source. An IMPLAN model can be used to develop quantitative outputs from updated RED information that can be added and/or subtracted from the costs and benefits output from the Hazus model.

c. Cost information for analysis:

   i. Construction costs (quantitative)

   ii. Mitigation costs (quantitative)

   iii. Operation and maintenance costs (quantitative)

   iv. Social costs (qualitative)

d. Benefit information needed for analysis:

   i. Flood damages/fighting (quantitative)

   ii. Development (quantitative)

   iii. Induced economic growth (quantitative)

   iv. Social (qualitative)

e. Analyze the following MN EIS alternatives (if found to meet the purpose and need of the Project):

   i. Proposed Project

   ii. Base No Action Alternative (no emergency measures)

   iii. No Action Alternative (with emergency measures)

   iv. Distributive Storage (with flood barriers)

   v. C2 (move the Southern Alignment north 1.5 miles)

2. Other Studies and Support:

   a. Compilation of completed and currently funded flood risk reduction projects since FFREIS) – provide list of project descriptions and available information to DNR.

   b. Changes in wetland impacts due to Project alignment changes – write memo based on information provided by USACE.

   c. County and city land use plans (relevant portions) – provide information to DNR.

   d. Analysis of hydrologic rating curve – provide DNR with updated H&H models that incorporate the most recent project modifications and mitigation measures (H&H 7.1 model update).

   e. Analysis of 37-feet stage through town - For Fargo ND, Moorhead MN, Cass County ND, and Clay County MN review existing infrastructure and document impacts that would occur and require mitigated if the Project Red River flow through town stage were increased from 35-feet to 37-feet at the Fargo gage. Include in the evaluation: pump dependency time, county road closures and isolated properties, protecting/maintaining sewer systems between 35-feet and 37-feet, number of basements impacted between 35-feet and 37-feet, and impacts to Cass and Clay Counties in rural areas. Determine the additional length of levees required for Project Red River flow through town stage of

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37-feet at the Fargo gage. Determine what modifications are required for certification of existing levees for Project Red River flow through town stage of 37-feet at the Fargo gage.

3. Deliverables

    a. Model outputs for different flood frequencies for all alternatives found to meet the purpose and need of the Project

    b. For alternatives modeled, maps of the flood damages/fighting, development and qualitative social outputs displayed geographically indicating North Dakota versus Minnesota and metropolitan versus rural

    c. Project descriptions and available information of completed and currently funded flood risk reduction projects since FFREIS)

    d. Wetland impacts memo due to project changes

    e. County and city land use plans

    f. Updated H&H model

    g. Technical memorandum summarizing the additional impacts and mitigation for a Project 37-foot stage at the Fargo Red River gage.

VII. CEMETERY ASSESSMENT TEAM SUPPPORT

Work with the Corps-Sponsor Cemetery Assessment Team to develop two to three mitigation alternatives (if applicable) for each site:

1. Identify impacts to each of 11 impacted cemeteries, both under existing conditions and with Project. Identify if the impact severity changes/increases under the "with-project condition" (does increase in depth, duration, frequency change/increase the impact).
2. Include issues/information identified during site-visits conducted on July 21-22, 2014.
3. Identify and screen alternatives for site-specific mitigation measures for the 11 cemeteries to be impacted by the diversion project. List all mitigation types considered.
4. Include the berm alternative evaluations.
    a. Include alternatives for interior drainage features for a berm/wall alternative.
    b. Consider use of closure types for access.
    c. Identify whether there are any land constraints making a berm unfeasible at a particular cemetery.
5. Include a high-level cost estimate for each. The cost estimate should include line items for projected O&M costs with each mitigation alternative in place.
6. Consider how access to each site is under existing and "with-project conditions". Include a rough cost estimate for mitigating for access.
7. The USACE will provide any necessary geotechnical assistance.
8. Develop a report that fully documents the efforts and analysis completed in developing a site-specific mitigation plan, including specific cemetery information.

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a. Report should include cemetery maps which show land parcel information. This would also show the parcels adjacent to the cemetery which may be needed if a berm is to be constructed.

b. Incorporate the previously developed "Cemetery Study – June 2013" as an appendix.

VIII. LARGE STRUCTURES DESIGN TEAM SUPPORT

1. Provide senior engineer to provide ongoing engineering consultation to the USACE Large Structure Design Team. Participate in weekly meetings and provide status reports to Owner and PMC regarding design of the following structures: Diversion Inlet Structure, Red River Control Structure, and Wild Rice River Control Structure.

IX. HYDRAULIC STRUCTURES AESTHETICS EVALUATION

1. Background: The Owner desires to have a unified aesthetic identity for structural elements along the Diversion Channel. Engineer completed a Bridge Aesthetics Technical Memorandum in November 2012 which included a review of relevant project information, including the draft recreation plan, a picture survey of regional bridges, and the development of several bridge aesthetic concepts for interstate and county road bridges. The Owner selected a simulated stone (Mankato Cut Stone) form liner for abutment wing walls, tapered wall piers for interstate bridges and hammerhead piers for county and township bridges.

2. Purpose: The USACE has started preliminary design work on the Diversion inlet structure and requested the non-federal local sponsors provide an aesthetic plan for the structure by February 1, 2015 after completion of their Preliminary Engineering Report. This scope of work builds on the selected bridge aesthetic plan and provides for an evaluation of several aesthetic concepts for the Project's hydraulic structures.

3. Scope: An aesthetics evaluation will be conducted for the Project's hydraulic structures which include three (3) control structures and two (2) aqueducts. It will take into account and build upon the aesthetics developed for the Project bridges. Up to three aesthetics concepts will be developed for the Projects hydraulic structures and an Owner selection team will review and select an aesthetics plan for the structures.

    a. Review preliminary hydraulic structure design documents and relevant available base mapping, the bridge aesthetics report and relevant planning studies and agency guidelines, and the Draft Diversion Recreation and Use Plan. Identify aspects of the Recreation and Use Plan that could affect the design of structures.

    b. Assess the visual character of the proposed structure sites and nearby surrounding community context through select photographs and sketches to serve as a basis for developing aesthetic design themes appropriate to the setting.

    c. Hydraulic Structures Aesthetics Concept Development and Coordination.

        i. Develop three (3) alternative aesthetic design themes for the Project's hydraulic structures. Prepare appropriate graphics to communicate each theme for preliminary consideration by project stakeholders with the goal of selecting a preferred alternative(s) that can be applied to the entirety of the

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project to establish a distinct recognizable identity. The scale of the project may potentially warrant multiple complementary aesthetic treatments rather than just one uniform theme dependent upon further review.

d. Prepare comparative cost estimates for each alternative.

e. Prepare hydraulic structures aesthetics design drawings.

i. At a minimum, prepare drawings for one (1) control structure and one (1) aqueduct.

ii. Coordinate with design team members on technical aspects of the hydraulic structures designs.

iii. Prepare conceptual plan, elevation, and section drawings that illustrate different hydraulic structures types using the selected preferred alternative theme(s).

f. Prepare prototypical hydraulic structures aesthetics design models. Prepare conceptual 3D computer models using the Sketchup Program that illustrate prototypical conditions and select design details utilizing the selected preferred alternative theme(s).

g. Develop one (1) photo-realistic 3D visualization graphic illustrating the incorporation of the preferred alternative design at a specific project location.

h. Prepare a Hydraulic Structures Aesthetics Technical Memorandum to serve as a guide for final design and as a record of the process by which aesthetic design decisions were made. Include an executive summary, narrative, design guidelines, meeting records, and a summary record of decisions matrix.

i. The narrative should summarize the basis for the selected preferred alternative theme(s) and intended application including but not limited to: project background, site and community context, associated studies, alternative themes considered, bridge types, retaining wall types, and other design features.

ii. Prepare hydraulic structures aesthetics design guidelines. Refine and format the graphic illustrations of the prototypical and bridge-specific studies prepared in task above that will serve as guidelines for the final design phase of each hydraulic structures.

iii. Summary Record of Decisions Matrix. In simple matrix table format, list the selected hydraulic structures aesthetic options as a quick summary reference.

X. BASELINE STREAM BANK EROSION EVALUATION

1. Purpose: To establish baseline data with historical references of stream bank erosion and channel planform changes along the Red River and associated tributaries in the Fargo, ND and Moorhead, MN region using GIS aerial imagery and analysis.

2. Background: The Project is being designed and constructed to reduce the impacts of Red River flooding in the Fargo/Moorhead area. River systems in

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dynamic equilibrium generally exhibit some erosion and ongoing changes that are considered baseline or normal responses to various driving mechanisms. The Army Corps of Engineers and partners acknowledge that post construction changes to the river systems may occur and are cooperatively creating a monitoring plan and adaptive management guidelines to measure, evaluate, and respond to changes. Relative impacts of the Project on the river channel and associated resources will largely be based on assessments and comparisons of stream bank conditions over time. Monitoring the river(s) before and after construction provides the necessary empirical data for a valid assessment of the impacts that can be attributed to the Project.

3. Location: Red River and associated tributaries in the Fargo, ND and Moorhead, MN Project area. Tributaries include Wolverton Creek, Wild Rice River (ND), Buffalo River, Sheyenne River, Maple River, Rush River and Lower Rush River.

4. Deliverables:

    a. Compile channel erosion and deposition data and graphics from existing reports into one file location and summary document.

    b. Provide aerial photographs, shapefiles and attributes for all stream bank erosion and depositional features for defined rivers and creeks including:

        i. Location

        ii. Feature identification (e.g., bridge scour, overbank deposition)

        iii. Length, height, area, and estimated volume of erosion or deposition

            1. Determine existing bank heights from LIDAR and estimate erosion/deposition volumes based on the LIDAR elevations, complemented by river cross sections or bathymetric information that can be available.

        iv. Hypothesis about possible driver of feature (natural meandering process, artificial structure, land use change, surficial drainage pattern change, etc.)

        v. Percentage of each river reach (as defined in the geomorphology study by WEST Consultants, also shown in Exhibit “A”) and the overall system that each feature type represents

        vi. Percent change of each feature at each location for 3 to 4 data points over evaluation period

        vii. Graphic and tabular data of changes from 1980’s to present day

            1. GIS layer with erosion and depositional features highlighted and linked to data attributes listed above.

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XI. LFC MODELING: MAPLE RIVER TO THE DIVERSION INLET

1. Purpose: For the Diversion Channel between the Maple River and the Diversion Inlet Structure, determine the appropriate meandering LFC wavelength and amplitude design parameters Diversion Channel bottom widths of 200-feet and 250-feet.

2. Background: Additional H&H modeling of flow in the Diversion Channel from the Maple River to the Diversion Inlet has shown that the current 300-feet wide Diversion Channel can be narrow to 200-feet and still pass the project design flows. A narrower Diversion Channel will require revised meandering LFC design parameters.

3. Scope:

    a. Task 1 - Provide analysis of the morphodynamic stability of the meandering LFC alignment within the main Diversion Channel from the Maple structure upstream to the Diversion Inlet structure. Determine an appropriate alignment wavelength that will not tend to initiate planform widening. Determine an alignment amplitude such that the LFC planform is within the main Diversion Channel for 200-feet and 250-feet bottom widths and 25-feet and 50-feet side slope toe buffer zones. Model the recommended alignments in RVR Meander model and summarize the alignments' stability.

    b. Task 2 – If authorized in writing, model the designed alignments from the Maple River downstream to Reach 1 (to be provided by USACE) in RVR Meander and summarize the alignments' stability.

4. Deliverables:

    a. Draft and Final Technical Memorandums summarizing the results of the analysis and modeling.

    b. Power Point presentation summarizing the results.

XII. Wild Rice River (WRR) Control Structure Design Team Support

1. Purpose: Participate in USACE design process and provide reviews of USACE 35%, 65%, 95%, and final designs of the Wild Rice River Control Structure.

2. Background: The USACE will design the WRR Control Structure and HMG will perform local sponsor technical design reviews, provide comments, and back-check comments for closeout.

3. Scope: Attend kickoff meeting, project team meetings, and conference calls. Coordinate with USACE, PMC, and Local Sponsors. Provide 35%, 65%, 95% and final review comments to plans and specifications and back-check comments for closeout. Provide geotechnical, structural, electrical, mechanical, hydraulics, and civil layout discipline reviews for each round of review.

4. Deliverables:

    Review comments

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XIII. Southern Embankment Design Team Support

5. Purpose: Purpose: Participate in USACE design process and provide reviews of USACE 35%, 65%, 95%, and final designs of the Southern Embankment.

6. Background: The USACE will design the Southern Embankment and HMG will perform local sponsor technical design reviews, provide comments, and back-check comments for closeout.

7. Scope: Attend kickoff meeting, project team meetings, and conference calls. Coordinate with USACE, PMC, and Local Sponsors. Provide 35%, 65%, 95% and final review comments to plans and specifications and help close out review comments. Provide geotechnical, structural, hydraulics, and civil layout discipline reviews for each round of review.

8. Deliverables:

   Review comments

XIV. Red River of the North (RRN) Control Structure Design Team Support

9. Purpose: Purpose: Participate in USACE design process and provide reviews of USACE 35%, 65%, 95%, and final designs of the RRN Control Structure.

10. Background: The USACE will design the RRN Control Structure and HMG will perform local sponsor technical design reviews, provide comments, and back-check comments for closeout-.

11. Scope: Attend kickoff meeting, project team meetings, and conference calls. Coordinate with USACE, PMC, and Local Sponsors. Provide 35%, 65%, 95% and final review comments to plans and specifications and help close out review comments. Provide geotechnical, structural, electrical, mechanical, hydraulics, and civil layout discipline reviews for each round of review.

12. Deliverables:

    Review comments

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3. Owner's Responsibilities

   Owner shall have those responsibilities set forth in Article 2 and in Exhibit B.

4. Times for Rendering Services

Subtask	Start Time	Completion Time
A. Meander Belt Width Analyses	April 12, 2012	October 31, 2012
B. Identification and Assessment of Tie Back Levees	June 1, 2012	October 31, 2012
C. EMB Openings	June 1, 2012	October 15, 2012
D. Diversion Inlet Gates	June 1, 2012	October 31, 2012
E. On-Call Services	TBD with each task	December 31, 2016

Subtask	Start Time	Completion Time
E.I-Maximum Project Design Flows	July 16, 2012	October 31, 2012
E.II-Local Drainage Plan	September 13, 2012	October 31, 2012
E.III-Reach 1 Low Flow Channel Meander Modeling	November 8, 2012	December 31, 2012
E.IV-Geomorphology Consulting	December 13, 2012	September 30, 2015
E.V-MN EIS Scoping Document Comment Support	April 24, 2013	September 30, 2014
E.VI-MN EIS Preparation Support	February 13, 2014	December 31, 2016
E.VII-Cemetery Assessment Team Support	October 9, 2014	December 31, 2016
E.VIII-Large Structure Team Support	October 9, 2014	December 31, 2016
E.IX-Hydraulic Structures Aesthetics Evaluation	December 11, 2014	December 31, 2016
E.X-Baseline Stream Bank Erosion Evaluation	December 11, 2014	December 31, 2016
E.XI-LFC Modeling: Maple River to Diversion Inlet	February 5, 2015	December 31, 2016
E.XII-WRR Control Structure Design Review	August 11, 2016	December 31, 2017
E.XIII-Southern Embankment Design Review	August 11, 2016	December 31, 2017
E.XIV-RR Control Structure Design Review	August 11, 2016	December 31, 2017

5. Payments to Engineer

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

I. Compensation for services identified under Subtasks A through E shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Appendix 2 of Exhibit C of the Agreement.

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

III. Estimated budget for Subtask B, Identification and Assessment of Tie-Back Levees, Subtask C, Diversion Inlet Gates, and Subtask E, On-Call Services, are based on an allowance.

1. Engineer will notify Owner when eighty percent (80%) of the budget on Subtask B, Identification and Assessment of Tie-Back Levees, Subtask C, Diversion Inlet Gates, and Subtask E, On-Call Services, is expended.

2. Engineer will prepare and submit an amendment for additional compensation when ninety percent (90%) of budget on Subtask B, Identification and Assessment of Tie-Back Levees, Subtask C, Diversion Inlet Gates, or Subtask E, On-Call Services, is expended.

3. Engineer will not perform work beyond one hundred percent (100%) of the budget for Subtask B, Identification and Assessment of Tie-Back Levees, Subtask C, Diversion Inlet Gates, or Subtask E, On-Call Services, without Owner's authorization by an amendment to this Task Order.

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Subtask	Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
A. Meander Belt Width Analyses	SW-1010	307,203	0	307,203.00
B. Identification and Assessment of Tie-Back Levees	SW-1040	45,089.96	0	45,089.96
C. EMB Openings (Allowance)	SW-1040	39,989	0	39,989.00
D. Diversion Inlet Gates (Allowance)	SW-1040	55,418	0	55,418.00
E. On-Call Services ($250,000 Allowance)	SW-1040	76,338.95	0	76,338.95
E.I. Maximum Project Design Flows	SW-6130	13,658	0	13,658.00
E.II. Local Drainage Plan	SW-1060	9,978	0	9,978.00
E.III. Reach 1 LFC Meander Modeling	SW-1010	9,693	0	9,693.00
E.IV. Geomorphology Consulting	SW-1390	16,804.34	0	16,804.34
E.V. MN EIS Scoping Document Comment Support	SW-6180	8,502.75	0	8,502.75
E.VI. MN EIS Preparation Support	SW-1142	416,000	0	416,000.00
E.VII. Cemetery Assessment Team Support	SW-1410	109,750	0	109,750.00
E.VIII. Large Structure Team Support	SW-6110	55,800~~50,000~~	~~5,800~~0	55,800.00
E.IX. Hydraulic Structures Aesthetics Evaluation	SW-6200	54,000	0	54,000.00
E.X. Baseline Stream Bank Erosion Evaluation	SW-1390	219,440	0	219,440.00
E.XI. LFC Modeling: Maple River to Diversion Inlet	SW-6170	81,000	0	81,000.00
E.XII. WRR Control Structure Design Team Support	SW-6110	0	103,332	103,332
E.XIII. Southern Embankment Design Team Support	SW-6110	0	69,905	69,905
E.XIV. RR Control Structure Design Team Support	SW-6110	0	103,332	103,332
TOTAL		**1,518,665~~1,512,865~~**	**276,569~~05,800~~**	**1,795,234~~1,518,665~~**

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B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

C. Provide Monthly Invoice and status report

i. Status report will accompany invoice and detail work completed during the invoice period.

ii. Status report will be organized by subtask and provide narrative of work completed on each subtask.

iii. Status of work completed will include:

1. Outstanding issues to resolve, expected steps to progress work, outstanding items required from either Owner, Owner's Representative, or others to progress work, anticipated completion date of subtasks.
2. Dates of on-call services provided and description of the activities performed by Engineer, including any deliverables produced.
3. Dates of deliverables otherwise required under the Project Management task.

6. Consultants:
    A. Barr Engineering Company
    B. HDR, Inc.
7. Other Modifications to Agreement: None
8. Attachments: None
9. Documents Incorporated By Reference:
    A. AWD-00039 REV-0, Cemetery Berm Conceptual Designs and Rural Water Well Survey, dated July 10, 2014.
    B. AWD-00046 REV-0, MN EIS Support for Additional Information Request, signed December 10, 2014.

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

The Effective Date of this Task Order is June 14, 2012.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Darrell Vanyo Name
President Title	Board Chair Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Keith Berndt Name
Sr. Project Manager Title	Cass County Administrator Title
925 10th Avenue East West Fargo, ND 58078 Address	211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address
cgthielman@houstoneng.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 237-5065 Phone	(701) 241-5720 Phone
Fax	(701) 297-6020 Fax

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HMG

FM Metro Risk Management Project

Task Order No. 8 - Amendment No. 14 - Red River Control Structure Team Support

Task	Activity Description	Personnel Costs												
		Senior Project Manager		Senior Project Engineer		Project Manager		CADD Technician III		GIS Technician III		Administrative Assistant		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Cost Per Task
Additional Services														
Task 1	Meetings and Coordination													
A.1	Kickoff meeting, project team meetings and conference calls, coordination with USACE, PMC and Local Sponsors. Assumes a kickoff meeting, project design team conference calls and meetings, and design coordination outside of submittal reviews.	60	$ 10,440	60	$ 9,720	60	$ 9,420	0	$ -	0	$ -	0	$ -	$ 29,580
	Expenses													$ 1,000
Task 2	Review and Close-Out													
B.1	35% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	12	$ 2,088	48	$ 7,776	12	$ 1,884	12	$ 1,380	0	$ -	6	$ 432	$ 13,560
B.2	65% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	16	$ 2,784	64	$ 10,368	16	$ 2,512	18	$ 2,070	0	$ -	12	$ 864	$ 18,598
B.3	95% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	24	$ 4,176	96	$ 15,552	24	$ 3,768	24	$ 2,760	0	$ -	12	$ 864	$ 27,120
B.4	BCOE review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	8	$ 1,392	32	$ 5,184	8	$ 1,256	6	$ 690	0	$ -	6	$ 432	$ 8,954
	Expenses													$ 2,000
	Total	120	$ 20,880	300	$ 48,600	120	$ 18,840	60	$ 6,900	0	$ -	36	$ 2,592	$ 100,812
	5% markup for sub-consultants (half of labor and expenses shown on this proposal)													$ 2,520
	Grand Totals													$ 103,332

HMG

FM Metro Risk Management Project

Task Order No. 8 - Amendment No. 14 - Southern Embankment Team Support

Task	Activity Description	Personnel Costs												
		Senior Project Manager		Senior Project Engineer		Project Manager		CADD Technician III		GIS Technician III		Administrative Assistant		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Cost Per Task
Additional Services														
Task 1	Meetings and Coordination													
A.1	Kickoff meeting, project team meetings and conference calls, coordination with USACE, PMC and Local Sponsors. Assumes a kickoff meeting, project design team conference calls and meetings, and design coordination outside of submittal reviews.	60	$ 10,440	0	$ -	60	$ 9,420	0	$ -	0	$ -	0	$ -	$ 19,860
	Expenses													$ 1,000
Task 2	Review and Close-Out													
B.1	35% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, hydraulics, and civil layout.	12	$ 2,088	24	$ 3,888	12	$ 1,884	8	$ 920	0	$ -	4	$ 288	$ 9,068
B.2	65% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, hydraulics, and civil layout.	16	$ 2,784	32	$ 5,184	16	$ 2,512	12	$ 1,380	0	$ -	6	$ 432	$ 12,292
B.3	95% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, hydraulics, and civil layout.	24	$ 4,176	48	$ 7,776	24	$ 3,768	16	$ 1,840	0	$ -	8	$ 576	$ 18,136
B.4	BCOE review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, hydraulics, and civil layout.	8	$ 1,392	16	$ 2,592	8	$ 1,256	4	$ 460	0	$ -	2	$ 144	$ 5,844
	Expenses													$ 2,000
	Total	120	$ 20,880	120	$ 19,440	120	$ 18,840	40	$ 4,600	0	$ -	20	$ 1,440	$ 68,200
	5% markup for sub-consultants (half of labor and expenses shown on this proposal)													$ 1,705
	Grand Totals													$ 69,905

HMG

FM Metro Risk Management Project

Task Order No. 8 - Amendment No. 14 - Wild Rice River Control Structure Team Support

Task	Activity Description	Personnel Costs												
		Senior Project Manager		Senior Project Engineer		Project Manager		CADD Technician III		GIS Technician III		Administrative Assistant		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Cost Per Task
Additional Services														
Task 1	Meetings and Coordination													
A.1	Kickoff meeting, project team meetings and conference calls, coordination with USACE, PMC and Local Sponsors. Assumes a kickoff meeting, project design team conference calls and meetings, and design coordination outside of submittal reviews.	60	$ 10,440	60	$ 9,720	60	$ 9,420	0	$ -	0	$ -	0	$ -	$ 29,580
	Expenses													$ 1,000
Task 2	Review and Close-Out													
B.1	35% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	12	$ 2,088	48	$ 7,776	12	$ 1,884	12	$ 1,380	0	$ -	6	$ 432	$ 13,560
B.2	65% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	16	$ 2,784	64	$ 10,368	16	$ 2,512	18	$ 2,070	0	$ -	12	$ 864	$ 18,598
B.3	95% review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	24	$ 4,176	96	$ 15,552	24	$ 3,768	24	$ 2,760	0	$ -	12	$ 864	$ 27,120
B.4	BCOE review - provide review comments to plans and specifications, coordination with USACE on review comments, and close-out review comments. Dicipline reviews include geotechnical, structural, electrical, mechanical, hydraulics, and civil layout.	8	$ 1,392	32	$ 5,184	8	$ 1,256	6	$ 690	0	$ -	6	$ 432	$ 8,954
	Expenses													$ 2,000
	Total	120	$ 20,880	300	$ 48,600	120	$ 18,840	60	$ 6,900	0	$ -	36	$ 2,592	$ 100,812
	5% markup for sub-consultants (half of labor and expenses shown on this proposal)													$ 2,520
	Grand Totals													$ 103,332

Technical Advisory Group Recommendation

Meeting Date: 8/4/2016

RECOMMENDATION FOR ACTION:

The Technical Staff have reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

The Owner's Representative prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Houston-Moore Group, LLC

FMDA Task Order 12, Amendment 1 – Design of Work Package 13 (CR-10 Bridge) -$665,000

- Delete scope and budget for the design of work package 13 (CR-10 Bridge) within Diversion Channel, along with the project management services required to accomplish these activities.

BACKGROUND:

Houston-Moore Group, LLC, a professional services company, was contracted to perform design services for CR-10 Bridge under Task Order 12 in 2012. See the table below for a summary of the amendments to the Task Order.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Task Order 12 Amendment 0	$665,000	$0	$665,000	01-Oct-12	30-Sep-13	Design Services WP 13 (CR-10 Bridge)
Task Order 12 Amendment 1	-$665,000	$665,000	$0	01-Oct-12	30-Sep-13	Delete scope and budget for design services.

DISCUSSION:

Shortly after Task Order 12 was executed, design work south of the Maple River was suspended and HMG was directed not to proceed on this work. In 2015 the project delivery for the Diversion Channel was changed from a traditional design, bid, build delivery to a design, build, finance, and maintain Public Private Partnership (P3) delivery, where the design of this bridge and channel section will be done by the P3 contractor.

Amendment 1 unencumbers HMG's WP-13 (CR-10 Bridge) scope and budget.

The following table lists the Task Order 12 Current, Amendment 1, and Revised Total budgets by subtask.

TO12 Design of Work Package 13 (CR-10 Bridge) - Budgets by Subtask:

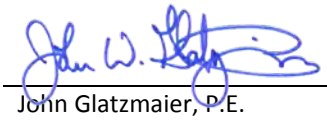
Subtask	Current Budget ($)	Amendment 1 ($)	Revised Total ($)
100 Project Management & Coordination	29,000	-29,000	0
200 Field Survey	13,000	-13,000	0
300 Roadway Design	121,000	-121,000	0
400-409 Preliminary Bridge Design	71,000	-71,000	0
410 Preliminary Channel Design	50,000	-50,000	0
500-509 Final Bridge Design Calculations	87,000	-87,000	0
510 Final Channel Design	29,000	-29,000	0
600-609 Bridge Plan Preparation	130,000	-130,000	0
610 Channel Plan Preparation	39,000	-39,000	0
700 Quality Assurance/Quality Control	96,000	-96,000	0
TOTAL	**665,000**	**-665,000**	**0**

The original budget was included in the FY-2012 budget, and this change amount of -$665,000 will be reflected in the FY-2016 budget.

ATTACHMENT(S):

1. Draft Task Order 12, Amendment 1

Presented by:



John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

August 4, 2016
Date

Keith Berndt, Cass County Administrator
Concur: August 8, 2016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: August 5, 2016 *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: August 8, 2016 *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: August 5, 2016 *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: August 4, 2016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 5, 2016 *Non-Concur:* _____

This is Task Order No. 12, Amendment 1, consisting of 2 pages.

Task Order No. 12, Amendment 1

In accordance with Paragraph 1.01 of the Agreement Between Fargo-Moorhead Flood Diversion Authority ("Owner") and Houston-Moore Group, LLC (HMG) ("Engineer") for Professional Services – Task Order Edition, dated March 8, 2012 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 12 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude ENGINEER from invoicing for work authorized under prior versions of this Task Order 12 and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

This amendment constitutes the entire agreement between the parties with respect to the closeout of the Task Order, and supersedes and replaces all prior or contemporaneous understandings or agreements, written or oral, regarding such subject matter.

This modification is hereby issued to administratively close out Task Order No. 12, which expired September 30, 2013. No work was performed under Task Order No. 12 and no invoices have been submitted.

4. Payments to Engineer

DELETE and REPLACE **Payments to Engineer** in its entirety with the following:

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

i. Compensation for services identified under Subtasks 100 through 700 shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Appendix 2 of Exhibit C of the Agreement.

ii. The total compensation for services identified under the Task Order, for Subtasks 100 through 700 is not-to-exceed total amount as defined in the table below.

Subtask		Current Budget ($)	Change ($)	Revised Budget ($)
100	Project Management and Coordination	29,000.00	-29,000.00	0.00
200	Field Survey	13,000.00	-13,000.00	0.00
300	Roadway Design	121,000.00	-121,000.00	0.00
400-409	Preliminary Bridge Design	71,000.00	-71,000.00	0.00
410	Preliminary Channel Design	50,000.00	-50,000.00	0.00
500-509	Final Bridge Design Calculations	87,000.00	-87,000.00	0.00
510	Final Channel Design	29,000.00	-29,000.00	0.00
600-609	Bridge Plan Preparation	130,000.00	-130,000.00	0.00
610	Channel Plan Preparation	39,000.00	-39,000.00	0.00
700	Quality Assurance/Quality Control	96,000.00	-96,000.00	0.00
TOTAL		**665,000.00**	**-665,000.00**	0.00

B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

DRAFT

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

The Effective Date of this Task Order is September 13, 2012.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Darrell Vanyo Name
President Title	Chairman, Flood Diversion Board of Authority Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Keith Berndt Name
Sr. Project Manager Title	Cass County Administrator Title
925 10th Avenue East West Fargo, ND 58078 Address	211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address
cgthielman@houstoneng.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 237-5065 Phone	(701) 241-5720 Phone
Fax	(701) 297-6020 Fax

DRAFT

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 prepared the following Contract Action(s) for the TAG team:

List description of Contract Action(s):

Houston-Moore Group, LLC

Task Order 16, Amendment 4 – Floodplain Ordinance Update $50,000

- Review, develop draft, and finalize floodplain ordinances for post diversion construction

BACKGROUND:

Under Task Order 16, Houston-Moore Group, LLC (HMG) is responsible for obtaining multiple permits for the Project, including but not limited to: the 404 Individual Permit for WP-43, and the remainder of the Project for ND and MN; the 401 Water Quality Certification for ND and MN; floodplain permitting; and other permits, as necessary.

HMG has provided these professional services under Task Order 16 from October 10, 2013, to the present time. See the table below for a summary of the amendments to the Task Order.

This amendment adds scope and budget to review existing ordinances, and draft post Project floodplain ordinances for review and approval by cities of Fargo and Moorhead and Cass and Clay counties.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Task Order 16 Amendment 0	$ -	$205,000	$ -	10-Oct-13	30-Sep-14	Initial authorization of All Work.
Task Order 16 Amendment 1	$0	-	$205,000	10-Oct-13	30-Sep-15	Extended POP to 30-Sep-15.
Task Order 16 Amendment 2	$0	-	$205,000	10-Oct-13	31-Mar-16	Extended POP to 31-Mar-16.
Task Order 16 Amendment 3	$100,000	-	$305,000	10-Oct-13	31-Dec-16	Adds scope and budget to develop and prepare FEMA CLOMR, and the MN and ND Dam permit applications. Adds requirements for monthly invoicing and status reporting. Extends POP to 31-Dec-16.
Task Order 16 Amendment 4	$50,000	-	$355,000	10-Oct-13	31-Dec-16	Adds scope and budget to review existing ordinances, and draft post Project floodplain ordinances.

DISCUSSION:

In preparation of Project completion and operation, and associated Project changes to floodplain, revisions to existing floodplain ordinances are required.

Amendment 4 to Task Order 16 adds scope and budget to review existing ordinances, and draft post Project floodplain ordinances for review and approval by local jurisdictions (Cities of Fargo and Moorhead and Cass and Clay Counties). The scope includes

- Review of existing floodplain ordinances and four review meetings with local jurisdictions,
- Development of draft floodplain ordinances, including preliminary mapping based on Phase 8 modeling and operations, and four meetings with local jurisdictions, and
- Revised draft floodplain ordinances based on input and comments from local jurisdictions, and conduct four outreach meetings with local jurisdictions.

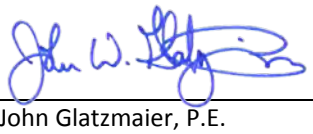
The PMC reviewed HMG's cost proposal of $46,112, and since this is an estimate of the level of effort recommends rounding the budget for this amendment up to $50,000.

This change amount of $50,000 is included in the FY-2016 FMDA budget.

ATTACHMENT(S):

Draft Task Order 16 - Amendment 4
Cost Proposal Task Order 16 - Amendment - Floodplain Ordinance_20160727

Presented by:



August 2, 2016

John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: August 3, 2016 *Non-Concur:*

April Walker, Fargo City Engineer
Concur: August 5, 2016 *Non-Concur*

Mark Bittner, Fargo Director of Engineering
Concur: August 2, 2016 *Non-Concur:*

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur*

David Overbo, Clay County Engineer
Concur: August 2, 2016 *Non-Concur:*

Robert Zimmerman, Moorhead City Engineer
Concur: August 3, 2016 *Non-Concur*

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 5, 2016 *Non-Concur:*

This is Task Order No. 16, Amendment ~~3~~4, consisting of 5 pages.

Houston-Moore Group, LLC

Task Order No. 16, Amendment ~~3~~4

MFDA Purchase Order No. 167178

Permit Submittal Preparation and Other Related Services

In accordance with Paragraph 1.01 of the Agreement between Fargo-Moorhead Flood Diversion Authority ("Owner") and Houston-Moore Group, LLC (HMG) ("Engineer") for Professional Services – Task Order Edition, dated March 8, 2012 ("Agreement"), Owner and Engineer agree as follows:

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

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1. Specific Project Data

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

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

      B.1. Major Permits:

         B.1.a. 404 Individual Permit

            i. WP-43 Oxbow/Hickson/Bakke Levees

            ii. Remainder of Project for North Dakota and Minnesota

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

         B.1.c. Floodplain Permitting

         B.1.d. FEMA CLOMR

         B.1.e. MN DNR Dam Safety

         B.1.f. ND SWC Dam Construction

      B.2. Other Permits:

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

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

         B.3.a. Permit submittal fees

2. Services of Engineer

   A. **Subtask A - Permitting Schedule**

      A.1. Develop a schedule for acquiring permits. Consult with regulatory agencies, as approved by Owner. The schedule will include a listing of activities and information needs associated with permit submittal preparation, target dates to submit permit submittals, regulatory agency review times, and anticipated permit issuance dates.

Deliverables:

- Permitting Schedule

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Review existing floodplain ordinances and conduct up to four review meetings with local jurisdictions.

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- Development draft floodplain ordinances, including preliminary mapping based on Phase 8 modeling and planned Project operations, and conduct up to four meetings with local jurisdictions.
- Revised draft floodplain ordinances based on input and comments from local jurisdictions, and conduct four outreach meetings with local jurisdictions.

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

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

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

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

Deliverables:

- 404 Permit Submittal
- 401 Water Quality Certification Submittal
- Floodplain Permit submittals
- FEMA CLOMR submittal
- MN DNR Dam Safety submittal
- ND SWC Dam Construction submittal
- Draft and Final Post Project Floodplain Ordinances

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

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

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

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

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

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

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

Deliverables:

- On-Call Services as requested.

3. Owner's Responsibilities

A. Owner shall have those responsibilities set form in Article 2 and in Exhibit B.

4. Times for Rendering Services

Subtask	Start Time	Completion Time
All Work	October 10, 2013	December 31, 2016

5. Payments to Engineer

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

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A.1. Compensation for services identified under Subtasks listed below shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Appendix 2 of Exhibit C of the Agreement.

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

Subtasks	Activity ID	Assumed Distribution ($)	Current Budget ($)	Change ($)	Revised Budget ($)
2.A Permitting Schedules	SW-1190	15,000	15,000	0	15,000
2.B Allowance for Permit Submittal Preparation and Acquisition Support	SW-1190	~~140~~240,000	~~140~~240,000	~~100,0000~~	240,000
2.B.1.c.3 Development of Post Project Floodplain Ordinances	SW-1190	0	0	50,000	50,000
2.C On-Call Services	SW-1190	50,000	50,000	0	50,000
Total		**205,000**	~~305,000205,000~~	~~50,000100,000~~	~~355,000305,000~~

B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

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

D. Provide monthly invoice and status report

D.1. Status report will accompany invoice, and detail work completed during the invoice period.

D.2. Status report will be organized by subtask, and provide narrative of work completed on each subtask.

D.3. Status of work completed will include:

D.3.a. Outstanding issues to resolve, expected steps to progress work, outstanding items required from Owner, Owner's Representative, or others to progress work, anticipated completion date of subtasks.

D.3.b. Dates of on-call services provided, and description of the activities performed by Engineer, including any deliverables produced.

D.3.c. Dates of deliverables otherwise required under the Project Management task.

6. Consultants: None

7. Other Modifications to Agreement: None

8. Attachments: None

9. Documents Incorporated by Reference: None

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

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

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Darrell Vanyo Name
President Title	Chairman, Flood Diversion Board of Authority Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Keith Berndt Name
Sr. Project Manager Title	Cass County Administrator Title
925 10th Avenue East West Fargo, ND 58078 Address	211 9th Street South , PO Box 2806 Fargo, ND 58108-2806 Address
cgthielman@houstoneng.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 237-5065 Phone	(701) 241-5720 Phone
Fax	(701) 297-6020 Fax

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HMG

FM Metro Risk Management Project

Cost Proposal for Task Order 16, Floodplain Ordinance Update

Task	Activity Description	Personnel Costs										Cost Per Task
		Senior Project Manager		Project Manager		Professional Engineer		GIS Tech III		Administrative Assistant		
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
Develop updated floodplain ordinances for a post-diversion condition for the Cities of Fargo and Moorhead, along with Cass and Clay Counties												
Task 1	Review Existing Floodplain Ordinances. Assume meetings with Cities of Fargo, Moohead, Cass County, Clay County (4 total)	24	$ 4,176	8	$ 1,256	40	$ 5,840	16	$ 1,968	4	$ 288	$ 13,528
Task 2	Develop Draft Floodplain Ordinance, including prelminary mapping based on Phase 8 modeling and operations. Conduct coordination meetings with Cities of Fargo, Moohead, Cass County, Clay County (4 total)	32	$ 5,568	24	$ 3,768	60	$ 8,760	24	$ 2,952	8	$ 576	$ 21,624
Task 3	Finalize floodplain ordinance and conduct outreach meetings with Cities of Fargo, Moorhead, Cass County, Clay County (4 total)	16	$ 2,784	4	$ 628	24	$ 3,504	16	$ 1,968	8	$ 576	$ 9,460
Expenses												$ 1,500
	Total	72	$ 12,528	36	$ 5,652	124	$ 18,104	56	$ 6,888	20	$ 1,440	$ 46,112
	Grand Totals											$ 46,112

Technical Staff Recommendation

Meeting Date: 8/4/2016

RECOMMENDATION FOR ACTION:

The Technical Staff have reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

The Owner's Representative prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Houston-Moore Group, LLC

Task Order 18, Amendment 2 – Design of Work Package 28

(CR-16 /CR-17 Bridge) $62,401

- Add budget to complete the design of the CR-16/ CR 17 Bridge and Roadway

BACKGROUND:

Under Task Order 18, Houston-Moore Group, LLC (HMG) is the Engineer of Record for designing and preparing contract documents for the construction of the new County Road 17 (CR-16/CR-17) bridge, and County Road 16 (CR-16) realignment, approximately 2.5 miles of associated county road to accommodate road alignment and grade changes, local drainage facilities and structures, and 1000-feet of diversion channel.

HMG has provided these professional services under Task Order 18 from December 11, 2014 to the present time. See the table below for a summary of the amendments to the Task Order.

This amendment adds budget to cover additional time required to complete various tasks.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Task Order 18 Amendment 0	$ -	$980,000	$ -	11-Dec-14	31-Mar-16	Initial authorization of All Work.
Task Order 18 Amendment 1	$253,485	-	$1,233,485	11-Dec-14	31-Dec-16	Adds scope and budget for the modified design of the Drain 47 Outlet, road and channel design changes, and 2016 detour plans. Adds requirements for monthly invoicing and status reporting. Extends POP to 31-Dec-16.
Task Order 18 Amendment 2	$62,401	-	$1,295,886	11-Dec-14	31-Dec-16	Add budget to complete the design of the CR-16/ CR 17 Bridge and Roadway

DISCUSSION:

Amendment 1, executed in March 2016 added scope and budget for additional work to modify designs of a drain structure, additional roadway design, and detour planning. A portion of the budget for this amendment was reallocated from subtasks that were estimated to be competed under budget. The total amount of budget reallocated within this task order for Amendment 1 was $278,300.

Subsequently, the level of effort to complete the design exceeded the revised, and in some cases the reallocated, subtask budgets.

Amendment 2 adds budget for five subtasks: Project Management and Coordination, Roadway Design, Final Bridge Design, Bridge Plan Preparation, and Quality Assurance/Quality Control. This change reflects the actual level of effort to complete these subtasks.

TO18 Permit Submittal Preparation and Other Related Services Budgets by Subtask:

Subtask		Activity ID	Current Budget ($)	Amendment 2 ($)	Total ($)
100	Project Management and Coordination	DE-6630	51,220	3,310	54,530
200	Field Survey	DE-6630	21,000		21,000
300	Roadway Design	DE-6630	422,584	24,679	447,263
400-408	Preliminary Bridge Design	DE-6630	104,300		104,300
410	Preliminary Channel Design	DE-6630	86,600		86,600
500-509	Final Bridge Design Calculations	DE-6630	62,100	3,480	65,580
510	Final Channel Design	DE-6630	271,177		271,177
511	Channel Design BCOE Review	DE-6630	7,500		7,500
600-609	Bridge Plan Preparation	DE-6630	37,000	11,012	48,012
610	Bridge Plan Preparation	DE-6630	82,004		82,000
620	Bridge Design BCOE Review	DE-6630	9,400		9,400
700	Quality Assurance/Quality Control	DE-6630	78,600	19,920	98,520
	TOTAL		**1,233,485**	**62,401**	**1,295,886**

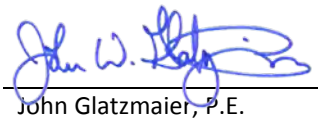
The PMC reviewed HMG's cost proposal and found it to be acceptable.

This change amount of $62,401 is included in the FY-2016 FMDA budget.

ATTACHMENT(S):

1. DRAFT Task Order 18 Amendment 2
2. Cost Proposal HMG Task Order 18_2016-07-28

Presented by:



August 4, 2016

John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: August 8, 2016 *Non-Concur:*

April Walker, Fargo City Engineer
Concur: August 5, 2016 *Non-Concur*

Mark Bittner, Fargo Director of Engineering
Concur: August 8, 2016 *Non-Concur:*

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur*

David Overbo, Clay County Engineer
Concur: August 5, 2016 *Non-Concur:*

Robert Zimmerman, Moorhead City Engineer
Concur: August 4, 2016 *Non-Concur*

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 5, 2016 *Non-Concur:*

This is Task Order No. 18, Amendment 2~~1~~, consisting of 9 pages.

Houston-Moore Group, LLC

Task Order No. 18, Amendment ~~1~~2

MFDA Purchase Order No. 175167

Design of Work Package 28 (CR-16/CR-17 Bridge)

In accordance with Paragraph 1.01 of the Agreement Between Fargo-Moorhead Flood Diversion Authority ("Owner") and Houston-Moore Group, LLC (HMG) ("Engineer") for Professional Services – Task Order Edition, dated March 8, 2012 ("Agreement"), Owner and Engineer agree as follows:

The parties agree that in the event of a conflict between prior versions of this Task Order No. 18 and this Amendment, the terms and conditions in this Amendment shall prevail, provided however, nothing herein shall preclude Engineer from invoicing for work authorized under prior versions of this Task Order and performed prior to effective date of this Amendment, even to the extent such prior work was revised by this Amendment. All other terms and conditions shall remain the same and are hereby ratified and affirmed by the parties.

1. Specific Project Data

    A. Title: Design of Work Package 28 (CR-16/CR-17 Bridge)

    B. Description: As part of the Owner's Lands, Easements, Rights of Way, Relocations, and Disposal (LERRDs) work, design and prepare contract documents for the construction of the new County Road 17 (CR-16/CR-17) bridge, and County Road 16 (CR-16) realignment, which crosses the diversion channel at the intersection of 124th Ave S and 170th Ave SE, approximately 2.5 miles of associated county road to accommodate road alignment and grade changes, local drainage facilities and structures, and 1000-feet of diversion channel (nominally 500-feet on either side of the centerline of the bridge).

    C. Background: The draft Red River Diversion Master Transportation Plan provides for one (1) bridge crossing the diversion channel to accommodate a combined crossing for CR-16/CR-1716 and CR-17. The crossing at combined Cass CR-16/CR-17 does not intersect the diversion perpendicularly. Proposed roadway realignments balanced the safety implications of lower speeds at roadway curves, right-of-way impacts associated with large curves and costs required to build longer bridges that do not intersect the diversion alignment perpendicularly. The alignment of the combined crossing at Cass CR 16 and 17 required additional considerations due to the high volume of conflicting traffic forecasted at the intersection of these two high volume roadways. The proposed alignment was developed based upon an evaluation of existing traffic volumes and forecasted traffic growth or reduction. The alignment included a roundabout on the dry side of the diversion where the bridge will intersect Cass CR 16 and 17 in an attempt to distribute prioritization to the three approaches and provide traffic control for the highly traveled corridors.

2. Services of Engineer

    A. General

        i. Design of Work Package 28 Contract Documents: Prepare contract documents (Plans and Specifications) for the construction of the new combined CR-16/CR-17 bridge, associated roads, local drainage facilities, and diversion channel. Design items include, but are not limited to:

            1. CR-16/CR-17 bridge, approximately 550 feet long and per Cass County roadway bridge design requirements and USACE design criteria.

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2. Approximately 2.5 miles of associated new county roadway, one round-about, construction detour routes, and township roadway improvements for detour routes accommodating construction of the combined interchange of CR-16 and CR-17 at the intersection of 124th Ave S and 170th Ave SE per Cass County roadway design requirements.
3. 1000-feet of diversion channel per USACE design requirements.
4. Include a list of permits and forms required for construction of these facilities.

ii. Certain of these design items may be included in the Work Package 28 Contract Documents and certain items may be provided to USACE for inclusion in their Contract Documents.

iii. Roadway and bridge design services will be prepared in accordance with applicable Cass County Standards, NDDOT Design Manual, NDDOT CADD Standards, and AASHTO bridge and roadway design specifications, modified as required for this project. Plan drawings will be generated using MicroStation V8i. Survey will follow USACE standards and will be translated to Cass County standards under a future Task Order.

B. Scope of Work

100 Project Management and Coordination

101 Project Schedule.

Develop and maintain a project schedule. The schedule will include the establishment of milestone dates for the major work items. Review and adjust the schedule as necessary to incorporate changes in the work concept and progress to date.

102 Progress Reports (Monthly).

Provide written progress reports describing the work performed on each task. Provide progress reports concurrently with the monthly invoice.

103 Bridge Design Team Meetings.

Participate in weekly team meetings (conference calls) to discuss design progress, technical issues, and other topics developed as the project progresses. Prepare issues and decisions log to document design issues and resolution; this log will be reviewed as needed during the weekly team meetings.

104 Coordination Meetings.

Participate in coordination meetings with the PMC, USACE, BNSF Railway, Cass County, contractors or other organizations relevant to the project.

200 Field Survey

201 Landowner Notification.

Notify landowners prior to accessing property to conduct the field survey in accordance with Right-of-Entry agreements. Coordinate access with PMC and Owner.

202 Field Survey.

Collect survey data in accordance with the MFR-015 *Survey Standards*. Field survey will include establishing control, collecting topographic data of the existing ground and roadways, utilities, drainage features, and existing right of way.

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203 Compile Data and Generate Base Map.

Download the survey data collected and generate a base map for development of project plan drawings.

204 Geotechnical Location Survey.

Stake the location of the planned soil borings and record the coordinates and elevation of the borings for inclusion in the geotechnical report and the project plans.

205 Pickup Survey.

After the final bridge alignment and elevation has been established, collect additional data from the site if needed.

206 Survey Control Report.

Develop a report documenting the survey control established for the bridge site and the standards used.

300 Roadway Design

301 Preliminary Roadway Design.

Perform preliminary roadway design functions and prepare preliminary roadway plans for review Cass County and the PMC. The preliminary design will include the following:

- Traffic Operations
- Preliminary alignment and profile
- Settlement countermeasure concepts
- Existing and proposed typical sections
- Establish subgrade criteria
- Preliminary pavement/section design
- Roadway design report

302 Final Roadway Design and Plan Preparation.

Develop the final roadway design and final plans and conduct a Plans, Specifications and Estimate (PS&E) review meeting with Cass County, the local sponsors, USACE, and other interested parties and agencies. Preparation of final roadway plans will consist of the following:

- Final alignment and grade
- Final typical section
- Traffic control/construction staging
- Utility relocations
- Drainage design
- Signing and pavement marking
- Guardrail design and plans
- Settlement countermeasures
- Roadway plan drawings
- Roadway plan notes and special provisions

Assemble and distribute plans for review.

Attend a PS&E Review Meeting and provide written response to comments.

Develop 2016 Detour Design and plans for USACE Diversion Inlet Structure construction. Work to include the following tasks:

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- Coordinate detour plans with Owner and Stakeholders and attend planning and review meetings
- Preliminary surveying of proposed detour route
- Detour design and plan preparation
- QA/QC review of plans and calculations

400 Preliminary Bridge Design

401 Develop Design Criteria.

Develop a Bridge Design Criteria Document detailing the governing design and construction specifications, the hydraulic and geometric criteria used to determine the bridge length and elevation, material strengths and properties, and specific design methodologies to be used for the major components of the bridge. Deliver the Bridge Design Criteria Document to the PMC for distribution to project stakeholders for review. Incorporate comments and produce a final document.

402 Bridge Length Determination.

Determine the final bridge length in accordance with the design criteria established for the bridge.

403 Conceptual Superstructure Design.

Perform preliminary design calculations to establish the preliminary designs for the girders, bridge deck, and traffic barriers. Evaluate two girder types for cost effectiveness comparison: prestressed concrete I-girders, and steel plate girders.

404 Conceptual Substructure Design.

Perform preliminary design calculations to establish the preliminary designs for the piers and abutments. Evaluate two foundation types for cost effectiveness comparison: driven piles and drilled reinforced concrete shafts.

405 Evaluate Use of Alternate Designs.

Prepare cost estimates for the various structure concepts developed in Tasks 403 and 404 to determine if there is potential for overall construction cost savings by bidding competing superstructure and/or substructure types.

406 Bridge Aesthetic Design Concepts.

Incorporate bridge aesthetic concepts and features developed in the Fargo-Moorhead Area Diversion Bridge Aesthetics Technical Memorandum.

407 Type, Size & Location Inspection (TS&L).

Conduct a TS&L Inspection with the bridge owners and other interested parties to confirm the site conditions and the suitability of the bridge concept. Complete and distribute TS&L report following the meeting.

408 Bridge Preliminary Design Report.

Prepare a Bridge Preliminary Design Report to document the conceptual designs studied, the structure site data, hydraulic and geotechnical criteria used as a basis for the design, a discussion of the span optimization process used, and a recommendation for bridge substructure and superstructure, along with a recommendation regarding the use of alternate designs.

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410 Channel Preliminary Design.

Prepare a draft Preliminary Design Report (PDR) on the Diversion Channel design for 1,000 feet of channel, nominally 500 feet each side of the bridge centerline, consistent with USACE Design Criteria and Engineer's analysis of specific project requirements. The PDR will be submitted to USACE for review. Respond to USACE and Owner comments and issue a final PDR.

500 Final Bridge Design Calculations

501 Design Kickoff Meeting.

Participate in a design kickoff meeting with the bridge owner and other interested parties to discuss the final design criteria, the submittal schedule, and agency review requirements.

502 Foundation/Substructure Design.

The substructure design will be either driven piles or drilled shafts. If alternate designs are to be bid, both types will be designed. The following elements are included in the substructure design:

- Finalize geotechnical criteria
- Foundation design (piling or drilled shafts)
- Pier column and cap design
- Abutment design
- Bearing design
- Scour countermeasures

503 Superstructure Design.

The superstructure design is based on designing prestressed concrete I-girders or steel plate girders as the structural system. If the preliminary design recommends alternate designs, both types will be designed. The following elements are included in the superstructure design:

- Deck design
- Girder design
- Camber and deflection calculations
- Pier and abutment diaphragms
- Traffic barriers
- Drainage system
- Expansion joints
- Utility supports (if applicable)

510 Final Channel Design.

Based on the final PDR, prepare final design drawings and specifications of the Diversion Channel with modified Drain 47 Outlet structure, including a 90% cost estimate. Submit design to Owner and USACE for review. Respond to Owner and USACE comments and issue 90% design.

511 Channel Design BCOE Review.

Prepare Bidability, Constructability, Operability, and Environmental (BCOE) review documents, compile final design documents bearing engineer signatures to distribute when bid is advertised. Submit bid documents to Owner's Representative for review and for bidding. Provide submittal log and Construction Quality Control Testing Matrix for inclusion to the Construction Management Plan.

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600 Bridge Plan Preparation

601 30% Plan Submittal.

- Bridge Layout
- Construction Staging
- Preliminary Foundation/Substructure
- Preliminary Superstructure
- Miscellaneous Sheets (Soil borings, framing plan, etc.)

Assemble and distribute plans.

Attend review meeting and provide written response to comments.

602 90% Plans.

- Bridge layout
- Construction staging
- Foundation/substructure
- Superstructure
- Miscellaneous sheets
- Aesthetic details
- Details
- Plan notes
- Quantity calculations
- Special Provisions

Assemble and distribute plans.

Attend PS&E Review Meeting and provide written response to comments.

610 Bridge Plan Preparation.

Prepare plans and specifications for inclusion in construction documents.

620 Bridge Design BCOE Review.

Prepare COE review documents, compile final design documents bearing engineer signatures to distribute when bid is advertised. Submit bid documents to Owner's Representative for review and for bidding. Provide submittal log and Construction Quality Control Testing Matrix for inclusion to the Construction Management Plan.

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700 Quality Assurance/Quality Control

701 Internal Design Review (IDR).

This review will consist of internal quality control checks and quality assurance reviews of the design calculations and the 30%, 90%, and final plan submittals.

702 Discipline Design Review (DDR).

This review will consist of cross review of the bridge plans, roadway plans, diversion channel plans, and the geotechnical report by the various disciplines involved in the project.

703 Rotational Team Review (RTR).

The design calculations and bridge plans for each bridge will be reviewed by designers from a team other than the team that designed the bridge to ensure consistency in

design approach and compliance with NDDOT and Cass County standards across the overall team.

Deliverables

1. Project Schedule with milestone dates for key activities and monthly updates
2. Monthly Progress Reports
3. Survey Control Report
4. Roadway Design Report
5. Final Roadway Plans
6. Preliminary Bridge Design Report
7. Preliminary Channel Design Report
8. 30% Bridge, Roadway, and Channel Plan Submittal
9. 30% cost estimate
10. 90% Bridge, Roadway, and Channel Plan Submittal
11. 90% cost estimate
12. Final Channel Plan Submittal
13. Final Bridge Plan Submittal
14. Contract Documents (final plans and specifications)
15. Submittal log and QC Testing Matrix for inclusion in Construction Management Plan

Work not included in this Scope of Services

1. Environmental documentation and permitting
2. Utility Relocation Agreements
3. ROW Acquisition including Appraisals, Title Searches, Title Opinions, Deeds
4. Bid documents and bidding services

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3. Owner's Responsibilities

   Owner shall have those responsibilities set forth in Article 2 and in Exhibit B.

4. Times for Rendering Services

Phase	**Start Time**	**Completion Time**
Design of Work Package 28 (CR-16/CR-17 Bridge) Contract Documents (100 % Plans and Specifications)	December 11, 2014	December 31, 2016

5. Payments to Engineer

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

      i. Compensation for services identified under Subtasks 100 through 700 shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Appendix 2 of Exhibit C of the Agreement.

      ii. The total compensation for services identified under the Task Order, for Subtasks 100 through 700 is not-to-exceed total amount as defined in the table below.

Subtask		Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
100	Project Management and Coordination	DE-6630	51,22041,800	3,3109,420	54,53051,220
200	Field Survey	DE-6630	21,00018,700	2,300	21,000
300	Roadway Design	DE-6630	422,584173,800	24,679248,784	447,263422,584

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Subtask		Activity ID	Current Budget ($)	Change ($)	Revised Budget ($)
400-408	Preliminary Bridge Design	DE-6630	104,300~~102,300~~	~~2,000~~	104,300
410	Preliminary Channel Design	DE-6630	86,600~~72,600~~	~~14,000~~	86,600
500-509	Final Bridge Design Calculations	DE-6630	62,100~~125,400~~	3,480~~(63,300)~~	65,580~~62,100~~
510	Final Channel Design	DE-6630	271,177~~41,800~~	~~229,377~~	271,177
511	Channel Design BCOE Review	DE-6630	7,500~~10,000~~	~~(2,500)~~	7,500
600-609	Bridge Plan Preparation	DE-6630	37,000~~187,000~~	11,012~~(150,000)~~	48,012~~37,000~~
610	Bridge Plan Preparation	DE-6630	82,004~~56,100~~	~~25,904~~	82,004
620	Bridge Design BCOE Review	DE-6630	9,400~~11,900~~	~~(2,500)~~	9,400
700	Quality Assurance/Quality Control	DE-6630	78,600~~138,600~~	19,920~~(60,000)~~	98,520~~78,600~~
TOTAL			**1,233,485~~980,000~~**	**62,401~~253,485~~**	**1,295,886~~1,233,485~~**

B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

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

D. Provide monthly invoice and status report

i. Status report will accompany invoice, and detail work completed during the invoice period.

ii. Status report will be organized by subtask, and provide narrative of work completed on each subtask.

iii. Status of work completed will include:

1. Outstanding issues to resolve, expected steps to progress work, outstanding items required from Owner, Owner's Representative, or others to progress work, anticipated completion date of subtasks.
2. Dates of on-call services provided, and description of the activities performed by Engineer, including any deliverables produced.
3. Dates of deliverables otherwise required under the Project Management task.

6. Consultants: None
7. Other Modifications to Agreement: None
8. Attachments: None
9. Documents Incorporated By Reference: None

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

The Effective Date of this Task Order is December 11, 2014.

ENGINEER:	OWNER:
Houston-Moore Group, LLC	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jeffry J. Volk Name	Darrell Vanyo Name
President Title	Chairman, Flood Diversion Board of Authority Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
C. Gregg Thielman Name	Keith Berndt Name
Sr. Project Manager Title	Cass County Administrator Title
925 10th Avenue East West Fargo, ND 58078 Address	211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address
cgthielman@houstoneng.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 237-5065 Phone	(701) 241-5720 Phone
Fax	(701) 297-6020 Fax

DRAFT

HMG

FM Metro Risk Management Project

Cost Proposal for Task Order 18 - Amendment No. 2 - County Highway 16/17 Bridge Channel Design

		Personnel Costs												
		Senior Project Manager		Project Manager		Senior Project Engineer		Professional Engineer		CADD Technician III		Sub-Consultant (5% Mark-up)		
Task	Activity Description	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Cost Per Task
Additional Services														
Task 100	Project Management and Coordination	10	$ 1,740	10	$ 1,570	0	$ -	0	$ -	0	$ -	$ -		$ 3,310
Task 300	Roadway Design	0	$ -	0	$ -	0	$ -	60	$ 8,760	20	$ 2,300	$ 13,619		$ 24,679
Task 500	Final Bridge Design	8	$ 1,392	0	$ -	0	$ -	8	$ 1,168	8	$ 920	$ -		$ 3,480
Task 600	Bridge Plan Preparation	10	$ 1,740	0	$ -	0	$ -	32	$ 4,672	40	$ 4,600	$ -		$ 11,012
Task 700	Quality Assurance/Quality Control	40	$ 6,960	0	$ -	80	$ 12,960	0	$ -	0	$ -	$ -		$ 19,920
	Total	68	$ 11,832	10	$ 1,570	80	$ 12,960	100	$ 14,600	68	$ 7,820	13619	$ -	$ 62,401
	Grand Totals													$ 62,401

3203 32nd Avenue South Suite 201
PO Box 9767
Fargo, ND 58106-9767
701 232 5353
kljeng.com

July 1, 2016

Lee Beauvais, PE
Project Manager
Moore Engineering, Inc.
925 10th Avenue East
West Fargo, ND 58078

Re: Task Order No. 18, Work Package 28 (CR-16/CR-17 Bridge)

Dear Mr. Beauvais:

We would like to request a supplement to the agreement for professional services for referenced project. Coordination efforts for this project have exceeded our initial assumptions and schedule. We are requesting additional time for the following items:

- Additional project management & coordination
- Modifications to temporary traffic control plans to accommodate the USACE designed inlet structure construction

Attached you will find a breakdown of the hours we are requesting for the various tasks. The total additional amount we are requesting is $12,970.

We appreciate your consideration for this contract amendment. Please feel free to contact me with any questions at 701.271.4883 or kris.bakkegard@kljeng.com.

Sincerely,

KLJ

Kris Bakkegard, PE
Project Manager

Enclosure(s): Fee Summary
Project #: 14612100.3
cc: project file

FEE SUMMARY
FM Metro Diversion
Task Order No 18-Work Package 28 (CR-16/CR-17 Bridge) - Budget Amendment
KL&J Project No. 14612100

	STAFF TYPE	Engineer IV	Engineer III	Engineer II	Engineer I	GIS Analyst II	CADD Technician III	Surveyor IV	Surveyor II	DIRECT
	Hourly Rate	$ 176.75	$ 147.00	$ 122.50	$ 110.75	$ 108.75	$ 114.00	$ 134.25	$ 115.00	LABOR
Phase	Project Assignment									
	Labor Code									
	TASK									
100	Project Management and Coordination									
103	Design Management and Coordination	8	32							$ 6,118.00
	Subtotal	8	32	0	0	0	0	0	0	$ 6,118.00
300										
302	Traffic Control Revisions		8	24			24			$ 6,852.00
										$ -
										$ -
										$ -
										$ -
										$ -
										$ -
										$ -
										$ -
										$ -
										$ -
	Total Hours	8	40	24	0	0	24	0	0	$ 12,970.00
	LABOR	$ 1,414.00	$ 5,880.00	$ 2,940.00	$ -	$ -	$ 2,736.00	$ -	$ -	$ 12,970.00

SUBCONSULTANTS

FIRM NAME	ACTIVITY	FEE
	TOTAL SUBCONSULTANTS:	$ -

Summary of Costs:

Total Labor	$ 12,970.00
Direct Expenses	$ -
Subcontractors	$ -
Per Diem	$ -
Total Estimated Engineering Costs	$ 12,970.00

Revised 8/6/2014

Technical Staff Recommendation

Meeting Date: 8/2/2016

RECOMMENDATION FOR ACTION:

The Technical Staff have reviewed and recommends approval of the following Contract Action(s).

SUMMARY OF CONTRACTING ACTION:

The Owner's Representative prepared the following Contract Action(s) for the Technical Staff team:

List description of Contract Action(s):

Terracon Consultants, Inc.

Task Order 1, Amendment 4 $167,490

- Adds additional survey and asbestos sampling costs for on-going asbestos abatement for WP-42C.1, WP42H. WP-42I.1, WP4A1.A3.
- Adds survey and asbestos sampling services for WP43.E.C.2 to include Romine Property.
- Adds lead based sampling for WP 42F.1N.

BACKGROUND:

Terracon Consultants, Inc. (Terracon) has provided On-Call materials testing services to the Metro Flood Diversion Authority under Task Order 1 from September 12, 2014, to the present time. All services to date have been performed within the WP-42 and WP-43 group of projects. See the table below for a summary of the amendments to the Task Order.

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Task Order 1 Amendment 0	$ -	$50,000	$ -	12-Sep-14	31-Dec-16	Initial authorization of subtask A., for materials testing services for WP-42 (excluding WP-42H).
Task Order 1 Amendment 1	$400,000	$ -	$450,000	12-Sep-14	31-Dec-16	Added material testing services specifically for WP-42A.2; WP-42A2.A3, WP-42F.1S, WP-42F.1N, WP-42H.2, WP-42I.1, WP-42C.1, and WP-42C.2. Services specified as density testing, concrete testing, compression tests, moisture-density testing, pre-placement inspections, and reinforcement inspections.
Task Order 1 Amendment 2	$75,000	$ -	$ 525,000	12-Sep-14	31-Dec-16	Added asbestos abatement monitoring services for WP-42C.1, WP-42C.2, WP-42H.2, and WP-42I.1.
Task Order 1 Amendment 3	$82,500	-	$607,500	12-Sep-14	31-Dec-16	Adds asbestos abatement monitoring for WP-42A1.A3 and WP-43E.2C. Adds asbestos survey and sampling services for WP-42C.1, WP-42C.2, WP-42H.2, WP-42I.1, WP-42A1.A3, and WP-43E.2C. Adds requirements for monthly invoicing and status reporting.

Task Order 1 Amendment 4	$167,490	-	$774,990	12-Sep-14	31-Dec-16	(1) Materials Testing - Additional $122,000 requested for WP-42 construction materials testing services. (2) Asbestos monitoring - Additional $45,490 for additional survey, asbestos sampling and abatement monitoring costs for WP-42C.1, WP42H.2, and WP-42I.1, plus survey and asbestos sampling services for WP43.E.C.2. Adds cost for lead based sampling and analysis for WP 42F.1N.

DISCUSSION:

Amendment 4 to Task Order 1 proposes the following scope and budget revisions:

Materials Testing Services:

Additional cost needed to cover already completed material testing work and future materials testing work. The additional amount requested is due to additional work requested after their previous scope review. Additional budget estimate: $122,000, see attached Terracon cost proposal for details.

Environmental Testing Services:

WP-42C.1
Adds additional cost for asbestos survey and sampling services. Work duration increased from 6 weeks to 9 weeks due to additional asbestos containing material discovered; includes additional air monitoring, project management and submittal reviews. Additional suspect materials found and sampled. Additional budget estimate: $7,500.

WP-42H.2
Adds additional cost for asbestos survey and sampling services due to short timeline and additional resources needed to complete sampling in 3 days for the 8 structures for pre-demolition work. 3 personnel were dedicated and time allotted was greater due to requested comparison of Techtron report. Original estimate was for 40 hours and actual time spent was 57 hours. Department head was also involved for 3 hours. Slightly longer abatement oversight also affected the cost due to issues at 1313 and 1314 Elm Street units. Additional budget estimate: $9,500.

WP-42I.1
Time spent was greater than previous estimate due to actual sample count twice the estimated sample amount. Proposal was for 195 samples and actual samples collected by Terracon was 410 samples. This also included time spent verifying locations and quantities of asbestos containing materials with contractor. The additional cost includes post demolition contractor submittal reviews and revisions of final reports for bulk sampling and closeout reports. Additional budget estimate: $15,500.

WP-42F1.N
Adds additional cost for lead based sampling. Additional budget estimate: $5000.

WP-43E2.C
Adds cost for 20 additional samples taken at 17495 52nd St. SE. Estimated 65 samples and 85 actual samples taken. Cost increase was also due to expedited sampling turnaround times. Original estimate was 12 hours and

actual time was 14 hours. Add asbestos sampling for the Romine Home. Additional budget estimate: $3,995, see attached Terracon cost proposal for details.

A summary of the environmental services original subtask budgets, Amendment 4 budget request, and revised environmental services budget request is listed below.

Work Package	Original Estimate	Amendment 4 Budget Request	Revised Total
WP 42.C.1	48,578.75	7,500.00	56,078.75
WP 42.H2	17,460.00	9,500.00	26,960.00
WP 42.I.1	10,823.75	15,500.00	26,323.75
WP 43 E.C.2 *- 17495 52nd St. SE* *- Romine House*	2,908.40	3,995.00 *495.00* *3,500.00*	6,903.40
WP 42.F.1.N	-	5,000.00	5,000.00
TOTAL	79,770.90	45,490.00	121,265.90

The Amendment 4 budget estimate of $167,500 which includes $122,000 for materials testing services and $45,490 for environmental services related work is shown in the table below along with the current and revised Task Order 1 budgets.

TO1 Budgets by Subtask:

Subtask	Activity ID	Current Budget ($)	Amendment 4 ($)	Revised Total ($)
A. On-Call Services	CN-XXXX-WP-42SDC	607,500	167,490	774,990
TOTAL		**607,500**	**167,490**	**774,990**

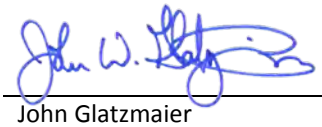
The PMC reviewed Terracon's cost proposal and found it to be acceptable.

This change amount of $167,490 is included in the FY-2016 FMDA budget.

ATTACHMENT(S):

1. Draft Task Order 1, Amendment 4
2. Terracon Cost Proposal dated July 29, 2016

Presented by:



John Glatzmaier
CH2M HILL
Project Manager
Metro Flood Diversion Project

August 3, 2016
Date

Keith Berndt, Cass County Administrator
Concur: August 8, 2016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: _____ *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: August 3, 3016 *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: August 8, 2016 *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: August 3, 3016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 3, 3016 *Non-Concur:* _____

This is Task Order No. 1, Amendment ~~34~~ 4, consisting of 4 pages.

Terracon Consultants, Inc.

Task Order No. 1, Amendment ~~3~~4

MFDA Purchase Order No. 173390

Materials Testing Services for Work Package 42 (WP-42) and Work Package 43 (WP-43)

In accordance with Paragraph 1.01 of the Agreement between **Metro Flood Diversion Authority** ("Owner") and **Terracon Consultants, Inc.** ("Testing Firm") for Professional Services – Task Order Edition, dated June 26, 2014 ("Agreement"), Owner and Testing Firm agree as follows:

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

DRAFT

1. Specific Project Data

   A. Title: **Materials Testing Services for Work Package 42 (WP-42) and Work Package 43 (WP-43)**

      Description: Provide materials testing services per Owner's Quality Assurance testing requirements for Owner awarded construction contracts associated with the In Town Levees – Work Package 42 (excluding WP-42H: El Zagal Phase I Area Flood Risk Management Project) and Work Package 43 (WP-43).

   B. Projects Included in Task Order No. 1:

      1. WP-42A.2 – 2nd Street Pump Station
      2. WP-42A2.A3 – 4th Street Pump Station and Gatewell
      3. WP-42F.1S – 2nd Street Floodwall (South)
      4. WP-42F.1N – 2nd Street Floodwall (North)
      5. WP-42.H.2 – El Zagal Phase 2 Levee
      6. WP-42I.1 – Mickelson Field Levee Extension
      7. WP-42C.1 – Demolition - HoJo, Shakey's, Fargo PS
      8. WP-42C.2 – Demolition - Park East
      9. WP-42A1.A3 – Pump Station Demolition
      10. WP-43E.2C – Home Demolition (17495 52 ST SE, Hickson, ND and Romine Property).

2. Services of Testing Firm

   A. On Call Services

      i. The initial subtask for this Task Order will be On Call Services, as requested in by the Owner's Construction Manager, to provide initial testing services for the In Town Levees, Work Package 42 (excluding WP-42H: El Zagal Phase I Area Flood Risk Management Project).

      ii. Testing Firm shall compile test results for each active project daily and provide electronic test and inspection logs to Owner's Construction Manager weekly (refer to attachment).

      iii. Testing services shall include, but not limited to, the following:

         1. Density testing

2. Concrete testing
3. Compression tests
4. Moisture-Density testing
5. Pre-placement inspections
6. Reinforcement inspections

iv. As Owner's Certified Asbestos Consultant, provide asbestos abatement monitoring, survey and sampling (where required) services for WP-42C.1, WP-42C.2, WP-42H.2, WP-42I.1, WP-42A1.A3, and WP-43E.2C; and report directly to the Owner's Representative. Testing Firm shall also perform minor incidental work as deemed necessary by Owner's Representative. Provide qualified personnel meeting North Dakota Department of Health requirements for asbestos abatement. Be responsible for monitoring all asbestos abatement work to ensure contractor complies with local, state, and federal regulations. Immediately report all violations to the Owner's Representative. Work includes ambient air monitoring and analysis as needed, and review of submittals, certifications and licenses. In addition, Testing Firm shall prepare and submit daily reports and weekly summaries with estimated amount of material removed, along with a final closeout report for the aforementioned work packages.

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 and in EXHIBIT B of the Agreement.

4. Times for Rendering Services

Subtask	**Start Time**	**Completion Time**
All Work	September 12, 2014	December 31, 2016

5. Payments to Testing Firm

A. Owner shall pay Testing Firm for services rendered as follows:

I. Compensation for services identified under Subtask A shall be on a Time and Materials basis in accordance with the Standard Hourly and Testing Rates shown in Exhibit C of the Agreement.

II. The total compensation for services identified under the Task Order is defined in the table below.

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

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

D. Testing Firm will not perform work beyond 100 percent of the budget for Task Order No. 1 without Owner's authorization by an amendment to this Task Order or Authorized Work Directive.

Subtask	**Activity ID**	**Current Budget ($)**	**Change ($)**	**Revised Budget ($)**
A. On Call Services	CN-XXXX-WP-42SDC	~~525,000~~607,500	~~82,500~~ 167,490	~~607,500~~ 774,990
TOTAL		**~~525,000~~607,500**	**~~82,500~~ 167,490**	**~~607,500~~774,990**

E. The terms of payment are set forth in Article 4 and EXHIBIT C of the Agreement.

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

G. Provide monthly invoice and status report

i. Status report will accompany invoice, and detail work completed during the invoice period.

ii. Status report will be organized by subtask, and provide narrative of work completed on each subtask.

iii. Status of work completed will include:

1. Outstanding issues to resolve, expected steps to progress work, outstanding items required from Owner, Owner's Representative, or others to progress work, anticipated completion date of subtasks.
2. Dates of on-call services provided, and description of the activities performed by Engineer, including any deliverables produced.
3. Dates of deliverables otherwise required under the Project Management task.

6. Subconsultants: None

7. Other Modifications to Agreement: None

8. Attachments: None

9. Documents Incorporated By Reference:

A. Agreement Between Owner and Testing Firm for Professional Services, dated August 14, 2014.

B. AWD-00048 REV-0, Materials Testing Services for Work Package 42 (WP-42), dated May 28, 2015.

C. AWD-00053, Asbestos Abatement Monitoring Services, dated December 7, 2015.

D. Terracon Proposal – Asbestos Consulting Services dated December 23, 2015 (submitted in support of Amendment 2)

E. Terracon Proposal – Asbestos Consulting Services dated March 29, 2016 (submitted in support of Amendment 3)

F. Terracon Proposal dated July 29, 2016 with Overbudget Explanations for WP42.H2, WP42C.1, and WP42I.1 (submitted in support of Amendment 4)

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

The Effective Date of this Task Order is September 12, 2014.

TESTING FIRM:	OWNER:
Terracon Consultants, Inc.	**Fargo-Moorhead Metro Diversion Authority**
Signature Date	Signature Date
Jonathan Ellingson Name	Darrell Vanyo Name
Principal in Charge Title	Chairman, Flood Diversion Board of Authority Title
DESIGNATED REPRESENTATIVE FOR TASK ORDER:	DESIGNATED REPRESENTATIVE FOR TASK ORDER:
Jeffrey J. Mathson Name	Keith Berndt Name
Project Manager Title	Cass County Administrator Title
4102 7th Avenue North Fargo, ND 58102-2923 Address	211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address
jjmathson@terracon.com E-Mail Address	berndtk@casscountynd.gov E-Mail Address
(701) 282-9633 Phone	(701) 241-5720 Phone

DRAFT

July 29, 2016

Metro Flood Diversion Authority
Attn: Keith Berndt
211 Ninth Street South
Fargo, ND 58103

c/o; CH2M Hill
Attn: Francis Dayao, P.E.
Email: Francis.Dayao@CH2M.com

Re: Estimated Costs for Construction Materials Engineering and Testing Services
Estimated Costs for Environmental Services
In-Town Levees – Various Work Packages
Materials WPs: 42A.2, 421.1/3, 42f.1S, 42F.1N, 42.C1, 42.H2, & 42.I
Environmental WPs: 42.C.2, 42.C.1, 42.H.2, 42.I.1,42A.1/42A.3, & 43.E.2.C
Fargo, North Dakota
Various Terracon Project Numbers

At your request, Terracon Consultants, Inc., developed the following estimate of remaining services and costs to complete the work at the In-Town Levees – Various Work Packages.

Current Budget Total:	$607,500.00
Materials Additional Request:	$122,000.00
Environmental Additional Request:	$60,000.00
Estimated Budget Total:	$789,500.00

Please find the attached estimated costs based on our understanding of the remaining scope of work, the project specification requirements, and our past experience on the projects.

Additionally, the following assumptions were used in preparing our estimated fees:

- Should additional services be required beyond the scope of work outlined in the previously submitted Detailed Compensation Schedule, our standard unit rates will be applicable;
- The contractor is responsible to perform the work in accordance with the plans and specifications, and our testing of the work does not relieve them of their responsibility to perform the work properly;
- Unit rates will be applicable for Terracon service durations in excess of those outlined; and
- Invoices for the project will be submitted on a monthly basis, with the dollar amount of services performed to-date versus the project estimated amount or authorized amount with an amount remaining; and is requested that the client's monitor this amount with respect to the construction performed to-date and future services anticipated.

Thank you for the opportunity to work with you on this project and if you have any questions or need additional information, please contact us at your convenience.

Sincerely,
Terracon Consultants, Inc.

Gregory A. Johnson
Materials Department Manager

Rodger A. Schmidt
Environmental Project Manager

Attachments: Terracon Budget Request Summary
Environmental Projects Breakdown

Copies to: Via email and constitutes the original. A hard copy will not be mailed.

Terracon Budget Addition Request

Materials Summary

Work Package	Total Billed	Estimated unbilled Fee's to date	Additional Request	Estimated Total
In Town Levees - Work Package 42A.2	$376,486.06	$35,000.00	$1,000.00	$533,486.06
In Town Levees - Work Package 42A.1/42A.3			$15,000.00	
Work Package 42F.1S			$35,000.00	
Work Package 42F.1.N			$45,000.00	
Work Package F.2			$15,000.00	
In-Town Levees 2nd Street Downtown Area Demo Phase 42C.1			$0.00	
Work Package 42H.2, El Zagal Flood Risk Management Phase 2			$8,000.00	
Work Package 42I Mickelson Levee Extension			$3,000.00	

Total additional amount requested for current projects: $122,000.
Additional requested is primarily due to additional work requested after the previous scope review.

Environmental Summary

Work Packages:

Work Package	Original Estimate	Additional Request	Total
WP 42.C.1	$48,578.75	$7,500.00	$56,078.75
WP 42.H.2	$17,460.00	$9,500.00	$26,960.00
WP 42.I.1	$10,823.75	$15,500.00	$26,323.75
WP 43.E.C.2	$2,908.40	$14,500.00	$17,408.40
Report review (10 homes)		$7,500	$7,500
WP 42.F.1.N	$0	$5,000.00	$5,000.00

Total additional amount requested for current asbestos projects and lead paint project on the bridge: $60,000.00

ENVIRONMENTAL PROJECTS BREAKDOWN

Howard Johnson Demo
WP 42.C.1
M1167003

Terracon Over-Budget Explanations

Pre Demolition and Additional Asbestos Sampling Work - $1,543.50 add

- Additional samples as project progressed – 144 samples

Demolition Oversight – $5,000 to $6,000 potential add – will be less

- Increased site time due to abatement schedule and additional ACM discovered: budgeted 6 weeks originally and actual was closer to 9 weeks: fee estimate is $865 per day/4-day work if a full day or week. We were able to reduce our time of observation during the roof and drywall/plaster demolition to reduce/manage costs. Additional costs were minimal for this phase and approximately $2,000 to $3,000.
- Additional onsite air monitoring due to longer schedule is affected by part time and reduced observation time based on activities. Again minimal costs for this phase at approximately $1,000 additional.
- Additional meeting/consulting/project management/submittal review time occurred throughout project due to longer schedule. $1,000 additional
- TEM sampling due to contractor methods and dusty conditions during mudded-fitting abatement. 10 events at $100 each equals $1,000 additional
- Additional suspect materials found and sampled on June 9 with additional abatement oversight on June 20 & 21, 2016. The four events equaled an addition of $2400.00

Post Demolition Contractor submittal review – $1,000 add

Final Reports – anticipated $1600 add

- Revisions of final reports for bulk sampling and closeout reports (closeout report is still in process – waiting on contractor submittals)

Currently, the budget over-run is $5,374.25 with the Pre Demolition and Asbestos Sampling as well as the Demolition Oversight substantially complete, Reporting is the primary source of fees remaining, thus budget overrun is actually lower than the sum of the numbers above. Terracon was able to reduce fees during the demolition oversight by conducting part-time observations. Terracon anticipates the authorization for an additional $7,500 will be sufficient.

El Zagal Demo
WP 42.H.2
M1167027

Terracon Over-Budget Explanations

Pre Demolition Work - $3,400 add

- Due to short timeline and additional resources needed to sample in three days the eight structures, Terracon dedicated three personnel and time allotted was greater due to requested comparison of Techtron report.
- Original estimate was for 40 hours and actual time equaled 57 hours.
- Department head was also involved at 3 hours.
- Reporting of additional asbestos more complex with comparison charts. Time was not listed as a line item however planned as an as requested amount – 16 hours.
- Additional samples as project progressed – 12 samples

Demolition Oversight – $3,475 add

- Increased site time due to contractor questions and identification: budgeted 40 hours and actual was 57.
- Slightly longer abatement oversight/consulting due to 1313 and 1314 Elm Street issues and questions, seen above in additional hours.
- Additional meeting/consulting/project management/submittal review time occurred throughout project at a total of 10 hours.

Post Demolition Contractor submittal review – $1,250 add

Final Reports - $600 add

- Revisions of final reports for bulk sampling and closeout reports (closeout report is still in process – waiting on contractor submittals)

Currently, the budget over-run is $7,945.92 with the Pre Demolition and Asbestos Sampling as well as the Demolition Oversight substantially complete, Reporting and contractor submittal review are the primary sources of fees remaining. Terracon was able to reduce fees during the demolition oversight by conducting part-time observations. Terracon anticipates the authorization for an additional $9,500 will be sufficient.

Michelson Demo
WP 42.I.1
M1167033

Terracon Over-Budget Explanations

Pre Demolition Work - $6,235.00 add

- Due to short timeline and additional resources needed to sample in three days the four structures, Terracon dedicated two personnel and time allotted was greater due to requested comparison of Techtron report.
- Terracon was also asked to walk through the site with the abatement contractor to verify locations and quantities of asbestos containing materials.
- Original estimate was for 20 hours and actual time equaled 56 hours.
- Time was greater than estimate in part due to sample count twice the estimated amount. Proposal was for 195 samples and Terracon collected 410 samples.
- Reporting of additional asbestos more complex with comparison charts. Time was not listed as a line item however planned as an as requested amount – 43.25 hours. Some of this reporting is part of demolition oversight as well.

Demolition Oversight – $7,372.30 add

- Significantly longer abatement oversight/consulting. Original estimate was for one week of abatement and the contractor was on site three weeks. This is due to the higher asbestos quantities found from the pre-demolition work in comparison to the materials found in the Techtron report, seen below in additional hours.
- Increased site time due to contractor methodology: budgeted 4 hours per day and actual was closer to 6 hours per day. This totaled 71.75 hours versus 16 hours.
- Anticipated 3 days of sample collection with actual at 5 days of air monitoring tasks.

Post Demolition Contractor submittal review – $1,000 add

Final Reports - $500 add

- Revisions of final reports for bulk sampling and closeout reports (closeout report is still in process – waiting on contractor submittals)

Currently, the project has a budget over-run of $13,845 with the Pre Demolition and Asbestos Sampling as well as the Demolition Oversight substantially complete. Reporting and contractor submittal review are the primary sources of fees remaining. Terracon was able to reduce fees during the demolition oversight by conducting part-time observations. Terracon anticipates the authorization for an additional $15,500 will be sufficient.

Hickson Home Demo
WP 43.E.C.2

Terracon Budget Addition Request

Pre Demolition Inspection - $495 add – 17495 52nd St. SE

- Additional samples – estimated 65 and 85 actually taken.
- Request to expedite sampling – compromised between a 24-hour turn and 5-day turn with a 3-day turn. Cost is $8.25 each vs $7.00
- Original estimate was for 12 hours and actual time was 14 hours which coincides with additional samples.
- Original estimate was for asbestos technician to conduct sampling, with expedited request and other resources committed, project manager assisted in site visit. 7 hours at $110 vs $85 for an additional $175

Additional house for asbestos sampling – Romine Home

Will be billed at a Time and Materials basis – estimated $3,500

Limitations:

- No information on size, location etc of the structure
- Year built unknown
- Remodel history unknown
- Out-buildings unknown

This inspection is complete and report is nearly complete

Additional homes requested – 7-14-16

- Rieger Home – 833 Riverbend Rd – estimated $3,000
  - Home is approximately 4000 SF Ranch with assumed full finished basement
  - Home is vacant and available currently for survey
- Retzlaff Home – 748 Riverbend Rd (corrected location per Paul Breen) – estimated $3,500
  - Home is approximately 3,500 SF 2-story with partial finished basement
  - Home is occupied by renters currently – full destructive sampling will not be possible with tenants
  - Second trip will be required to complete destructive sampling
- Stei Home – 808 Riverbend Rd – estimated $3,800
  - Home is approximately 4,000 SF 2-story with mostly finished basement
  - Home is occupied by original owners and have turned previous inspections away
  - Anticipate multiple trips to survey home with visual inspection and photo documentation of suspect-asbestos containing materials

Additional review of previous reports and house walk through of planned demolition homes and assessment of affected areas of planned homes to be moved.

This estimate is per home: $750

- 2 hours per report to review sample locations and materials sampled
- Mobilization to location
- 3 hours on site for sample mapping, additional suspect material identification
- Additional samples will as previously quoted rates with report if necessary also billed at quoted rates – estimated between $500 and $750 each for 20 additional samples and report

Total request for additional funds of $14,500 plus $750 per home for review plus samples and report if needed.

Terracon recommends a property be vacated prior to survey to allow for a single mobilization and allow for destructive sampling. If this is unavailable, Terracon will conduct one additional mobilization for the above homes listed as occupied. Services will be billed on a Time and Materials basis per previously supplied price sheet and as requested by CH2M Hill or other authorizing agent.

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

RECOMMENDATION FOR ACTION:

The Technical Advisory Group has reviewed and recommend 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.	
Change Order #04	*$15,174.67*
WP-42A.1/A.3, 4th Street Pump Station – Reconciliation of change items that were suspended during box culvert negotiations including time extensions and multiple small cost adjustments for Engineer- and Owner-directed items.	

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-15	11-Nov-16	Awarded 4th Street Pump Station and 2nd Street South Floodwall
Change Order 1	268,555.24	17,361,616.35	17,630,171.59	11-Dec-15	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-15	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-15	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-15	11-Nov-16	Time extensions and multiple cost adjustments for Engineer- and Owner-directed items.

DISCUSSION

Potential Change Orders were put on hold while the Owner and CH2M worked through the deficiencies in the box culvert. Now that work has resumed there are many outstanding items that require incorporation into the Contract Documents. CH2M recommends approval of attached Change Order 4, which increases the Contract Price by $15,174.67 and includes time extensions to multiple milestones. The Change Order consists of:

1. **Time extension**. CH2M reviewed schedule delay claims by ICS and determined the following extensions are appropriate:
    a. 30 days for the 2nd Street reconstruction milestone for unrecognized compounding impacts in Summer 2015 from the force main issue, an unknown manhole structure, and a conflict with a Consolidated Communications fiber optic line.
    b. 7 days for the pump station milestone for delays in Quality Assurance inspection of subgrade material in January 2015. ICS requested an extension in February 2015 but it was forgotten by all parties until late in the year.
    c. The resulting adjustments to contracted milestones are:

Milestone	Original Date	Revised Date
Complete 2nd Street	November 1, 2015	December 1, 2015
Complete Pump Station	November 13, 2015	November 20, 2015

    Liquidated Damages currently held to date were assessed beginning November 2, 2015 when ICS failed to meet the 2nd Street milestone. The above changes mean LDs will actually start on November 21, 2015 when ICS missed the adjusted pump station milestone. Therefore, approval of this Change Order will result in $57,000 of LDs (19 days x $3,000/day) being returned to ICS in their next payment application.
2. **Heat Bearing Monitors**. ICS mistakenly assumed one of their subcontracts included scope for a required specification (heat bearing monitors). When ICS corrected the shortfall through another subcontractor, the second sub proposed an alternate solution that is cheaper. HMG approved, and the City prefers, the alternate. Therefore, this change deducts the value of the originally specified system and adds the value of the new system, for a net cost of ($13,588.05), which accounts for ICS's 5% markup. HMG has reviewed the applicable quotes and found them appropriate.
3. **Temperature monitoring system**. In response to RFI 109, HMG and the City determined they could increase the functionality of the pump station for a favorable cost by adding room temperature monitors. HMG reviewed the proposed price of $4,887.75 (includes ICS's 5% markup) and found it acceptable.
4. **Radio upgrade**. In response to RFI 062, HMG approved a different telemetry radio to replace the specified unit that is no longer available. HMG reviewed the proposed price of $835.56 (includes ICS's 5% markup) and found it acceptable.
5. **Additional roof drains**. In response to RFI 058, HMG clarified roof drain piping design which resulted in slightly more material and installation labor. HMG reviewed the proposed price of $1,498.41 (includes ICS's 5% markup) and found it acceptable.
6. **Stainless steel anchors**. Additional cost of $4,200.00 (includes ICS's 5% markup) to accommodate minor changes to roof design details directed under Field Order 006. HMG reviewed the proposed pricing and found it acceptable.
7. **Floodwall contraction joints**. Additional cost of $15,430.00 (includes ICS's 5% markup) for floodwall contraction joint caulking directed under previously approved Work Change Directive 006. HMG reviewed the proposed pricing and found it acceptable.
8. **Impressioned concrete**. HMG coordinated with City of Fargo rep to direct replacement of a very small portion of green space in the sidewalk with impressioned concrete to avoid future maintenance issues.

The total price of $1,911.00 is based on 7 SY at $260/SY (plus 5% markup for ICS) which HMG found to be acceptable.

Please note there are three remaining change items that still need to be resolved but CH2M has not yet finished validating them with ICS. The total proposed cost and time impacts are approximately $7,000 and 10 days. If applicable, some or all of these items will be included in a future Change Order recommendation.

ATTACHMENT(S):

Draft Change Order No. 4

Heat bearing monitors – subcontractor quotes for deduct (Option 1) and new work (Option 2)

Temperature monitoring – subcontractor quote and RFI 109

Radio upgrade – subcontractor quote and RFI 062

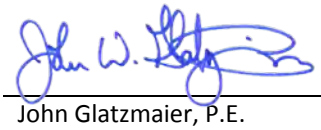
Additional roof drains – subcontractor quote and RFI 058

Stainless steel anchors – subcontractor quote and Field Order 006

Floodwall contraction joints – Work Change Directive 006

Impressioned concrete – email with proposed unit rate and HMG acceptance (note that proposed quantity was 9 SY but actual quantity was 7 SY)

Submitted by:



John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

August 3, 2016
Date

Keith Berndt, Cass County Administrator
Concur: August 3, 3016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: August 3, 2016 *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: August 3, 3016 *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: August 8, 2016 *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: August 3, 3016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 3, 3016 *Non-Concur:* _____

Change Order No. 04

Date of Issuance:	08/11/2016	Effective Date:	08/11/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42A.1/A.3
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	435534
Contractor:	ICS, Inc.	Contractor's Project No.:	1114
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42A.1/A.3
Project:	Fargo-Moorhead Area Diversion	Contract Name:	4th Street Pump Station and Gatewell and 2nd Street Floodwall South

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

Description:

1. Increase Contract Price by **$15,174.67** by adding line item *0159, CO-04 Changes* to accommodate the following modifications:
   a. Replacement of the pump bearing monitoring system scope specified under section 22 10 00.00 10, paragraph 2.3.12 with an alternate PLC-based bearing monitoring system proposed by the Contractor and approved by the Engineer and Owner. The net change is a $13,588.05 reduction to the Contract Price.
   b. Provide a temperature monitoring system to the pump and electrical rooms in accordance with Engineer's response to Request for Information (RFI) 109 for a $4,887.75 increase to the Contract Price.
   c. Provide a new telemetry radio unit in accordance with Engineer's response to RFI 062 for a $835.56 increase to the Contract Price.
   d. Accommodate changes to the generator building roof drain design in accordance with Engineer's response to RFI 058 for a $1,498.41 increase to the Contract Price.
   e. Accommodate changes to the pump station roof design in accordance with Engineer's direction in Field Order 006 for a $4,200.00 increase to the Contract Price.
   f. Caulk floodwall contraction joints in accordance with Work Change Directive 006 for a $15,430.00 increase to the Contract Price.
   g. Provide approximately 7 square yards of impressioned concrete in place of green space in the sidewalk along 2nd Street South for a $1,911.00 increase to the Contract Price.
2. Increase Contract Times by accommodating the following extensions:
   a. Add 30 days to the "**2nd Street Closure, Utilities, and 2nd Street Reconstruction**" milestone in Agreement paragraph 4.02.A.2 to change the required date from November 1, 2015 to **December 1, 2015**.

b. Add 7 days to the "**Pump Station, Yard Piping, Outfall Gatewell and Levee Modifications**" milestone in Agreement paragraph 4.02.A.5 to change the required date from November 13, 2015 to **November 20, 2015.**

Attachments:

- Change Order 4 Unit Price Schedule dated 8/11/16

CHANGE IN CONTRACT PRICE	**CHANGE IN CONTRACT TIMES** *[note changes in Milestones if applicable]*
Original Contract Price: **17,361,616.35**	Original Contract Times: Milestone 4.02.A.02: November 1, 2015 Milestone 4.02.A.02a: NA Milestone 4.02.A.03: July 31, 2015 Milestone 4.02.A.04: August 20, 2015 Milestone 4.02.A.05: November 13, 2015
[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 03: **434,447.28**	[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 03: Milestone 4.02.A.02.a: 14 days Milestone 4.02.A.03: 29 days Milestone 4.02.A.04: 29 days
Contract Price prior to this Change Order: **17,796,063.63**	Contract Times prior to this Change Order: Milestone 4.02.A.02: November 1, 2015 Milestone 4.02.A.02a: November 15, 2015 Milestone 4.02.A.03: August 29, 2015 Milestone 4.02.A.04: September 18, 2015 Milestone 4.02.A.05: November 13, 2015
[Increase] [~~Decrease~~] of this Change Order: **15,174.67**	[Increase] [~~Decrease~~] of this Change Order: Milestone 4.02.A.02: 30 days Milestone 4.02.A.05: 7 days
Contract Price incorporating this Change Order: **17,811,238.30**	Contract Times with all approved Change Orders: Milestone 4.02.A.02: December 1, 2015 Milestone 4.02.A.02a: November 15, 2015 Milestone 4.02.A.03: August 29, 2015 Milestone 4.02.A.04: September 18, 2015 Milestone 4.02.A.05: November 20, 2015

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: Construction Manager	Title: _____	Title: _____
Date: 08/11/2016	Date: _____	Date: _____

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

Change Order 4 Unit Price Schedule
DATE: 8/11/2016

WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-03)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	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	

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

Change Order 4 Unit Price Schedule
DATE: 8/11/2016

WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-03)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	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	

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

Change Order 4 Unit Price Schedule
DATE: 8/11/2016

WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-03)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	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	

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

Change Order 4 Unit Price Schedule
DATE: 8/11/2016

WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-03)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	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	

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

Change Order 4 Unit Price Schedule
DATE: 8/11/2016

WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-03)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	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	$ 550,000.00	$ 550,000.00	
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	

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

Change Order 4 Unit Price Schedule
DATE: 8/11/2016

WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-03)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	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	1	$ 15,174.67	$ 15,174.67	
42A.1/A.3 - TOTAL AMOUNT			**CURRENT BUDGET**		**$ 17,796,063.63**	**NET CHANGE**		**$ 15,174.67**	**NEW BUDGET**		**$ 17,811,238.30**	

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CHANGE ORDER PROPOSAL # E11

DATE: OCTOBER 6TH, 2015

PROJECT: FARGO 4TH STREET PUMP HOUSE FLOOD RISK MANAGEMENT

SUMMARY: BEARING TEMP MONITORING

DRAFT

OPTION 1:

PROVIDE MATERIAL AND LABOR FOR THE INSTALLATION OF A BEARING MONITORING SYSTEM PER SPEC 22 10 00.00 10 2.3.12.

- 5 – Crouse Hinds Explosion Proof Enclosures W/ Windows
- 3 – Crouse Hinds Explosion Proof Pushbuttons
- 8 – Precision Digital Temp Displays W/ Relay Out
- 1 – Precision Digital 8 Channel Annunciator
- 1 – Crouse Hinds Explosion Proof Horn
- 1 – Crouse Hinds Explosion Proof Strobe
- Conduit, Wire And Sealoffs

MATERIAL PRICE: $22,811.00
LABOR PRICE: $3,250.00

TOTAL: $26,061.00

LEAD TIME OF APPROXIMATELY 4-8 WEEKS

SYSTEM IS LOCATED IN A HAZARDOUS LOCATION. EXPLOSION PROOF SIGNALING, ENCLOSURES, DEVICES, AND SEALOFFS MUST BE USED. THIS SYSTEM WILL NOT PROVIDE ANY MEANS OF TRIPPING THE PUMP IN AN ALARM EVENT, IT ONLY PROVIDES AN AUDIO AND VISUAL WARNING LOCATED IN THE PUMP ROOM.

OPTION 2:

PROVIDE MATERIAL AND LABOR FOR THE INSTALLATION OF A PLC BASED BEARING MONITORING SYSTEM.

- 4 – Allen-Bradley Micrologix PLC

- 4 – Allen-Bradley Micrologix RTD Cards
- 4 – Single Pole Relay
- 4 – 24V Power Supplies
- 4 – Ethernet Switches
- Wire And Cable

MATERIAL PRICE: $12,100.00
LABOR PRICE: $1,020.00

TOTAL: $13,120.00

LEAD TIME OF APPROXIMATELY 1 WEEK

THIS SYSTEM WILL PROVIDE BEARING TEMP INDICATION ON THE PANELVIEW LOCATED IN THE MCC ROOM. THE SYSTEM WILL ALSO PROVIDE A MEANS OF TRIPPING THE PUMP UPON AN ALARM.

Price includes all applicable taxes.

Dan Hanson
President
Fusion Automation Inc
701-757-0852
Dan.hanson@fusionautomationinc.com

DRAFT

CHANGE ORDER PROPOSAL # E12

DATE: NOVEMBER 9TH, 2015

PROJECT: FARGO 4TH STREET PUMP HOUSE FLOOD RISK MANAGEMENT

SUMMARY: RESPONSE TO RFI 109, ROOM TEMPERATURE ALARMING AND EF CTS

DRAFT

ROOM TEMPERATURE ALARMING:

PROVIDE MATERIAL AND LABOR FOR THE INSTALLATION OF ROOM TEMPERATURE *SWITCHES* FOR HI AND LO ALARMS IN THE ELECTRICAL ROOM AND THE PUMP ROOM.

- 2 – Dwyer 862E explosion proof adjustable temperature switches
- 2 – Dwyer DFS adjustable temperature switches
- 3 hours –labor for programming
- – labor and materials for conduit, wire, and sealoffs into explosion rated area
- – labor and materials for conduit and wire into electrical room

MATERIAL PRICE: $2,540
LABOR PRICE: $2,115

TOTAL: $4,655.00

SYSTEM IS LOCATED IN A HAZARDOUS LOCATION. EXPLOSION PROOF SIGNALING, ENCLOSURES, DEVICES, AND SEALOFFS MUST BE USED. THIS SYSTEM WILL NOT PROVIDE ANY MEANS OF TRIPPING DEVICES IN AN ALARM EVENT, IT ONLY PROVIDES REMOTE ALARM WARNING TO THE HMI AT THE CITY OF FARGO WATER TREATMENT PLANT.

EXHAUST FAN CURRENT TRANSFORMERS:

PROVIDE MATERIAL AND LABOR FOR THE INSTALLATION OF TWO CURRENT TRANSFORMERS (CT) ON EACH EXHAUST FAN EF01 AND EF02 MCC BUCKET.

- 2 – Current Transformers; ACTR005-42L-S
- 1 – Upgrade an IP4 card to an IP8 (8 channel) analog card. This is to meet the spares minimum as specified. 3 analogs are currently used. 2 additional totals 5 of 8 channel used.
- 2 hours – labor for programming
- – labor and materials for conduit and wire into electrical room

MATERIAL PRICE: $2,460
LABOR PRICE: $2,100

TOTAL: $4,560.00

THIS SYSTEM WILL NOT PROVIDE ANY MEANS OF TRIPPING DEVICES IN AN ALARM EVENT, IT ONLY PROVIDES REMOTE SIGNAL OF AMP DRAW VALUE TO THE HMI AT THE CITY OF FARGO WATER TREATMENT PLANT

APPROVAL REQUIRED: UPON RECEIPT

Price includes all applicable taxes.

Peter Letvin for Dan Hanson
Fusion Automation Inc
701-757-0852
Dan.hanson@fusionautomationinc.com

DRAFT

CONTRACTOR REQUEST FOR INFORMATION

CONTRACTOR'S RFI NO: 109

PROJECT: 4th Street North Pump Station

PROJECT NO: WP-42A.1/A.3

CONTRACTOR: Fusion Automation

Clarification Requested By: Fusion Automation

Reference Drawing: E-002, Y-001, Y-003

Specification Section: 23.09.33 – 1.2.2

Description:

There are no alarm points included in the building HVAC system to alarm for either high temperatures or low temperatures in the pump room or the MCC room. This functionality could be added to the control system (CP-401) and remote alarming accomplished for city operators. Please advise. Would require a small change in price.

Peter Letvin

Prepared by

10/15/2015

Date

Engineer's Response:

Provide individual costs to add low and high temperature monitoring to the pump room and electrical room. Pump room costs shall include temperature switches in suitable for Class I Division 2, dry locations.
Locate temperature switches as close to the PLC enclosure as practical but away from heating, cooling and ventilation sources. Provide the following additional discrete inputs at the PLC:

- Electrical Room Low Temperature
- Electrical Room High Temperature
- Pump Room Low Temperature
- Pump Room High Temperature

The PLC shall generate alarms based on any of these conditions and communicate the alarms via radio for display at the HMI located at the City of Fargo's Wastewater Treatment Plant."
Provide separate pricing for the following:

- Add current sensing transducers at the motor starters for exhaust fans EF-02 and EF-03.
- Current transducers shall have a 4-20mA output.
- Provide 1-¾" conduit from the MCC to the PLC enclosure with 1#16 twisted shielded pair cable from each current transducer to the PLC.
- Provide 2 additional analog inputs to the PLC.
- The PLC shall generate alarms based on low motor amps condition and communicate the alarms via radio for display at the HMI located at the City of Fargo's Wastewater Treatment Plant."

Eric Cox

Engineer

10-30-2015

Date

Owner's Representative:

Date

Attachments _____

DRAFT

CHANGE ORDER PROPOSAL # E7

DATE: JUNE 24TH, 2015

PROJECT: FARGO 4TH STREET PUMP HOUSE FLOOD RISK MANAGEMENT

SUMMARY: CHANGE IN RADIO PER RFI 062

INCLUDES:

- Increase in cost to upgrade to new radio model SD9 from specified obsolete model MDS9710

Total : $ 795.77

Price includes all applicable taxes.

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

Attachments (1)

DRAFT

CONTRACTOR REQUEST FOR INFORMATION

CONTRACTOR'S RFI NO: 062

PROJECT: 4th Street North Pump Station

PROJECT NO: WP-42A.1/A.3

CONTRACTOR: Fusion Automation

Clarification Requested By: Anne Mayer

Reference Drawing: Y-003

Specification Section: 40 95 00

Description:

In section 2.9 of the specs, the radio model designated, MDS 9710, is considered obsolete by the manufacturer and is no longer made. A newer model, SD9 is available and is backward compatible with the old version.

If the MDS 9710 is desired, the city would have to have a spare that we could use.

If you choose to go with the newer model, there would need to be a need a change order as the new unit is more expensive.

Anne Mayer
Prepared by

6/3/2015
Date

DRAFT

Engineer's Response:

The MDS model SD9 should be used. This radio model is being used on other new pump station construction in the area.

David Penner
Engineer

Owner's Representative:

6-18-2015
Date

Date

Attachments _____

CHANGE ORDER PROPOSAL # E9

DATE: AUGUST 17TH, 2015

PROJECT: FARGO 4TH STREET PUMP HOUSE FLOOD RISK MANAGEMENT

SUMMARY: ADDITIONAL COMPONENTS & CAST IRON PIPING FOR ROOF DRAINS

INCLUDES:

- 2-WATTS RD-944 Downspout Nozzles w/bird screen
- Additional cast-iron piping to accommodate new piping path as shown in RFI 058

Total : $ 1,427.06

Price includes all applicable taxes.

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

Attachments (1)

DRAFT

CONTRACTOR REQUEST FOR INFORMATION

CONTRACTOR'S RFI NO: 058

PROJECT: 4th Street North Pump Station

PROJECT NO: WP-42A.1/A.3

CONTRACTOR: Fusion Automation

Clarification Requested By: Travis Seeba

Reference Drawing: M-201

Specification Section:

Description:

Drawing M-201 shows the roof drains of the generator building routed underground. The note says to "see site plan for continuation". We looked at all the drawings and could not find the continuation. Would someone be able to point us to the right drawing that shows where this pipe ends?

Travis Seeba
Prepared by

5/28/2015
Date

DRAFT

Engineer's Response:

The roof drain downspouts should outlet through the generator wall on the north side of the building as shown on the attached M-201 sheet.

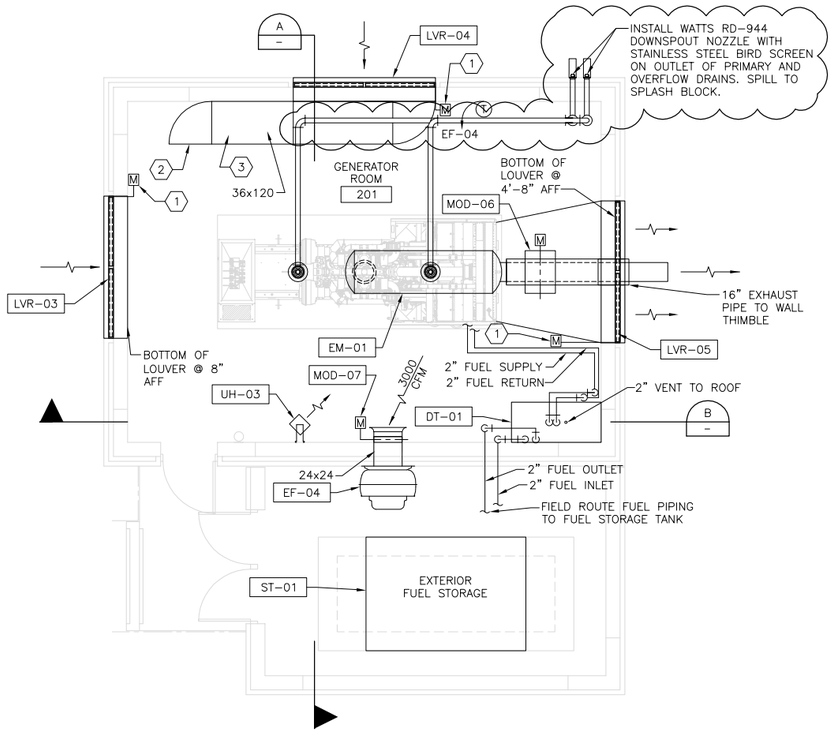
Eric W. Cox
Engineer

6/30/2015
Date

Owner's Representative:

Date

Attachments _____



GROUND LEVEL MECHANICAL PLAN

3/16" = 1'-0"

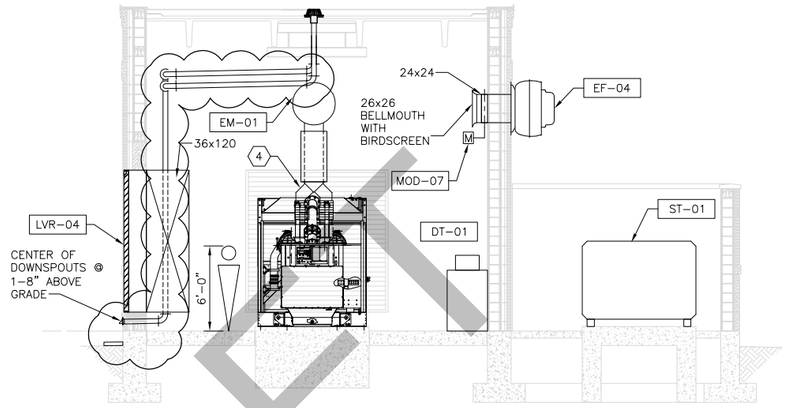
KEYNOTES:

1. ADD QUICK-OPENING MOTORIZED ACTUATOR WITH 4 SECOND RUN-TIME BY BELIMO (OR EQUAL) TO ADJUSTABLE LOUVER.
2. ADD 36x120 INSECT SCREEN TO OPEN END OF DUCT ELBOW.
3. SUPPORT INTAKE AIR DUCT FROM FLOOR AND ATTACH TO WALL.
4. ATTACH EXHAUST PIPE TO GENERATOR WITH CATERPILLAR 10x10x16 FLANGED WYE CONNECTOR (OR EQUAL).

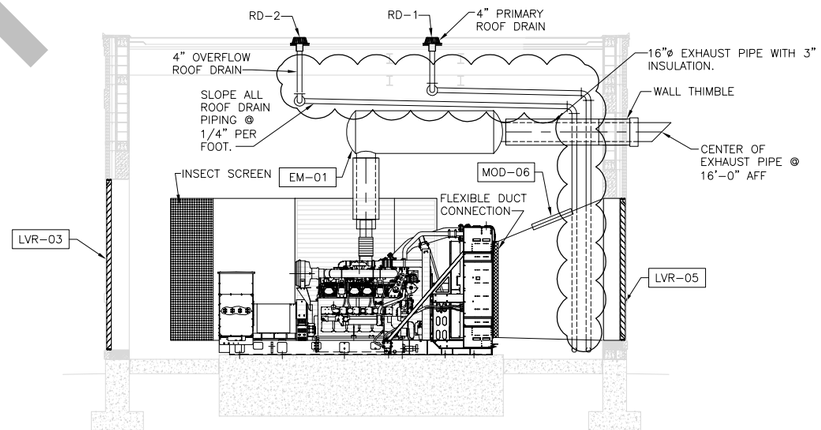
N

0' 2' 4' 8' 12'

3/16" = 1'-0"



SECTION A



SECTION B

DRAFT

This document was originally issued and sealed by Jeffrey A. Lewis, Registration No. PE-9245, on 11/17/14 and the original document is stored at CH2M Hill Engineering, Inc., Fargo, N.D.

HMG

HOUSTON - MOORE GROUP

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 MECHANICAL PLAN AND SECTIONS

DATE:	11/17/2014
REVISED:	
REVISED:	
REVISED:	
RECORD:	

FILE NAME: M-201.DWG

PROJECT No.	228479-164
DRAWN BY:	RRD
CHECKED BY:	JAL
PROJ. MANAGER:	KTD
PROJ. ENGINEER:	RRD

M-201

MORTENSON MASONRY

205 Foundation Ave SW
Glyndon, MN 56547
Phone: 218-498-2111
Cell: 701-238-9068
Fax: 218-498-2113
mortensonmasonry@loretel.net

DATE: 03/31/16 **Stainless Anchors Add**

PROJECT: 4th Street Pump Station

LOCATION: Fargo ND

PROPOSAL FOR: Masonry

The following items are excluded from this proposal unless otherwise noted:
*Heat, shelter, or winter work
*Caulking, sealing, or painting
*Rebar, embeds, lintels, anchor bolts, shop and layout drawings of same
*All cost associated with grout and mortar testing and any special inspections
*Sheet metal flashings and reglets
*Setting and placing of hollow metal frames
*Performance and payment bonds and non-standard insurance requirements
*All costs associated with temp. facilities, power, water, and/or laydown area
*Dumpster/trash receptacles for debri clean up

Add to Base **$ 4,000.00**
Stainless Steel Anchors per revised detail

If this proposal is accepted, the parties will enter into an AIA or AGC standard form for contract modified only to included the following. Payment is due every thirty (30) days, ten (10) days after application. No retainage greater than 5% to be withheld, regardless of what the specifications state.
This proposal is good for 30 days from bid date.

DRAFT

SUBMITTAL REVIEW RESPONSE

PROJECT NAME: 4th Street Pump Station and Gatewell and 2nd Street Floodwall South; Fargo, North Dakota
Project No: WP-42A.1/42A.3

SUBMITTAL NUMBER: 04 20 00-030
DESCRIPTION: Stainless Anchor
SPEC SECTION (S): 04 20 00

TO BE COMPLETED BY PRIMARY REVIEWER:	
ACTION SUBMITTAL:	
☐ **Approved**	☒ **Approved As Noted**
☐ **Partial Approval, Resubmit as Noted**	☐ **Revise and Resubmit**
☐ **Not Subject to Review**	
INFORMATION SUBMITTAL	
☐ **Meets Conditions**	☐ **Does Not Meet Conditions**
Engineer's review and acceptance of this submittal are expressly limited as provided in the Contract Documents and are only to determine conformance with information given in the Contract documents and compatibility with the design concept for the completed project as a functioning whole as indicated in the Contract Documents. Contractor is, and Engineer is NOT, responsible for all matters relating to fabrication, shipping, handling, storage, assembly, installation, construction (including all safety aspects of performing the Work), and for coordinating the Work.	
As the primary reviewer of this submittal, I have coordinated my review comments with the comments of the following secondary reviewer(s):	
Jim Adrian	2-26-2016
Houston-Moore Group, LLC	Date
Patrick Martin	2/29/2016
Owner's Representative	Date

DRAFT

Coordinate with precast stone manufacturer to verify this anchorage is structurally adequate for the application.

TRANSMITTAL OF CONTRACTOR'S SUBMITTAL
(ATTACH TO EACH SUBMITTAL)

DATE: 2/15/2016

TO:CH2M Hill	Submittal No.:04 20 00-030
	☒ New Submittal ☐ Resubmittal
	Project:4th Street Pump Station
	Project No.:42A.1/42A.3
	Specification Section No.:04 20 00
	(Cover only one section with each transmittal)
FROM: ICS, Inc.	Schedule Date of Submittal:
Contractor	2/15/2016

SUBMITTAL TYPE:	☒ Shop Drawing	☐ Sample	☒ Informational
	☐ Deferred		

The following items are hereby submitted:

Number of Copies	Description of Item Submitted (Type, Size, Model Number, Etc.)	Spec. and Para. No.	Drawing or Brochure No.	Contains Variation to Contract	
				No	Yes
1	Stainless Anchor	04 20 00			X

Contractor hereby certifies that (i) Contractor has complied with the requirements of Contract Documents in preparation, review, and submission of designated Submittal and (ii) the Submittal is complete and in accordance with the Contract Documents and requirements of laws and regulations and governing agencies.

By: *Eric Bye*
Contractor (Authorized Signature)

DRAFT

STAINLESS STEEL STONE ANCHORS

#405 STONE ANCHOR

A. FURNISH AS SUBMITTED ☐
B. FURNISH AS NOTED ☑
C. REVISE AND RESUBMIT ☐
D. REJECTED ☐
E. ENGINEER'S REVIEW NOT REQUIRED. ☐

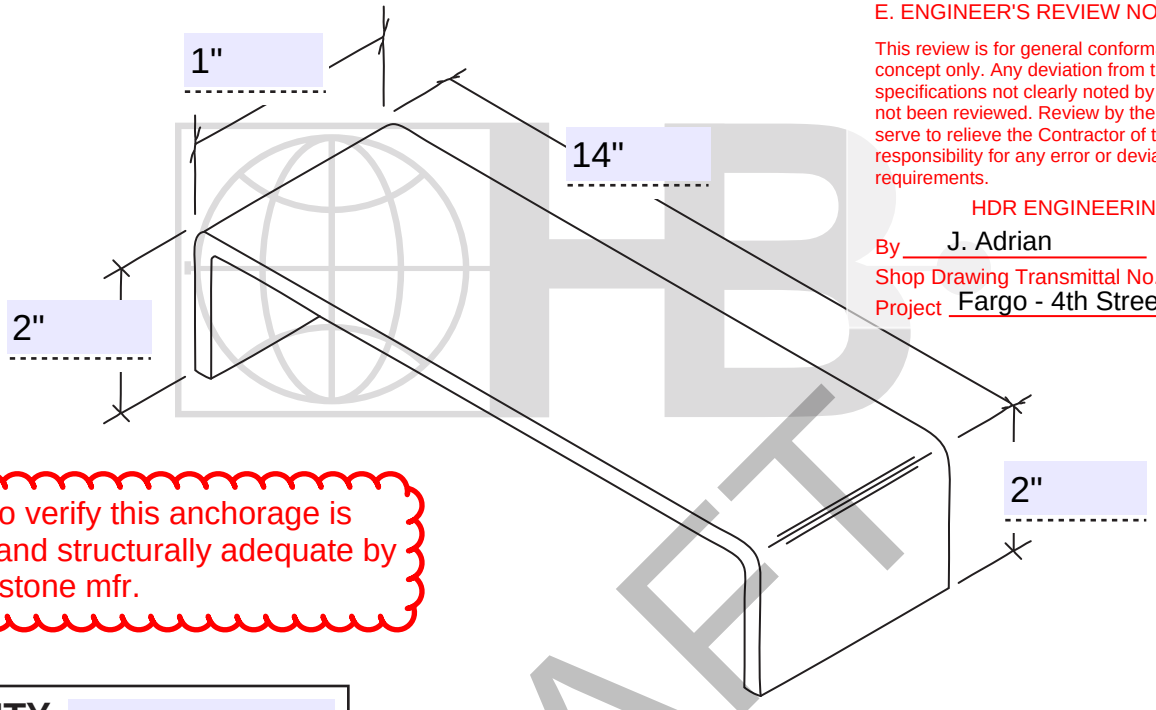
This review is for general conformance with design concept only. Any deviation from the plans or specifications not clearly noted by the Contractor has not been reviewed. Review by the Engineer shall not serve to relieve the Contractor of the contractual responsibility for any error or deviation from contract requirements.

HDR ENGINEERING, INC.

By J. Adrian Date 02/25/16

Shop Drawing Transmittal No.

Project Fargo - 4th Street Pump Station



Contractor to verify this anchorage is acceptable and structurally adequate by the precast stone mfr.

QUANTITY:

ST/ST Plate Min. Fy. = 45,000 p.s.i. (ASTM A666)

DRAWINGS FOR ILLUSTRATIVE PURPOSES ONLY

FINISH:

- ☐ TYPE 304 Stainless Steel
- ☐ TYPE 316 Stainless Steel

THICKNESS:

- ☐ 12 ga./2.78 mm
- ☐ 3/16"/4.7 mm
- ☐ 1/8"/3.2 mm
- ☐ 1/4"/6.3 mm
- ☐ OTHER

H&B recommends the exclusive use of 304 or 316 ST/ST for stone anchorage.

PROJECT NAME: 4th Street Pump Station
LOCATION: Fargo ND
NOTES:

CONTACT INFO
Name :
Company:
Phone: **FAX:**
Email:

The appropriate selection and use of any product contained herein must be determined by competent architects, engineers and other professionals who are familiar with the specific requirements of the project.

PRINT FORM SAVE FORM RESET FORM

Hohmann & Barnard, Inc.
800-645-0616 www.h-b.com

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DRAFT

METRO FLOOD DIVERSION PROJECT

004
~~005~~

WORK CHANGE DIRECTIVE

TO: ICS PROJECT NO.: WP-A.1/A.3

PROJECT: 4th Street Pump Station and Gatewell

OWNER: Metro Flood Diversion Authority

ENGINEER: Houston Moore Group

OWNER'S REPRESENTATIVE: CH2M

DESCRIPTION OF WORK:

Contractor is to caulk contraction joints of cast in place concrete flood wall. Expected value of subsequent Change Order is expected to be in accordace with the following cost breakdown provided by ICS:

Excavate/Backfill Joints	$225.00 per Joint with 22 joints	$4,950.00
Prep Joint-/below grade	$75.00 per joint	$1,650.00
Caulk Joints	$265.00 per joint	$5,830.00
Remove Staining	$136.00 per joint	$3,000.00
	Total	$15,430.00

REASON FOR CHANGE(S):

Per direction of Engineer of Record.

ATTACHMENTS (List Supporting Documents):

None

DESIGN IMPACT (List Impacts):

Is the described change outside of the design parameters? ☐ Yes / ☒ No

If yes, DOR and USACE signoff are required and documented below:

[Name], P.E. *Designer of Record*	*Date*	*[Name]* *USACE PM*	*Date*

DRAFT

It is understood that this Work Change Directive will not change the Contract Price or Times, but is evidence that the parties expect a Change Order to be subsequently issued reflecting the changes.

Recommended by:

CH2M
Owner's Representative

Tyler Smith, P.E.
Construction Services Manager

6/7/16
Date

Ordered by:

Metro Flood Diversion Authority
Owner

Darrell Vanyo
Board Chair

6/8/16
Date

Copy: Owner
Designer of Record
USACE
Owner's Representative

DRAFT

Smith, Tyler/FMH

From: Randy Engelstad <rengelstad@houstoneng.com>
Sent: Wednesday, July 20, 2016 10:23 AM
To: Wagle, Loren/FMH
Cc: Chitwood, Peter/FMH; Smith, Tyler/FMH
Subject: RE: Opp price for impressioned concrete [EXTERNAL]

That is $40 more per SY than the bid price and we are only installing 9 SY so a total increase of $360 to dig out those areas and prep them seems fine to me.

Randy Engelstad
Civil Engineer
Houston Engineering, Inc.
O 701.237.5065 | **D** 701.499.2087 | **F** 701.237.5101

From: Loren.Wagle@CH2M.com [mailto:Loren.Wagle@CH2M.com]
Sent: Wednesday, July 20, 2016 10:20 AM
To: Randy Engelstad <rengelstad@houstoneng.com>
Cc: Peter.Chitwood@ch2m.com; Tyler.Smith@CH2M.com
Subject: FW: Opp price for impressioned concrete

Randy, let us know if you are good with the price and Peter or I will issue a WCD. Thanks.

Loren Wagle
Fargo-Moorhead Area Diversion Project
Program Management Consultant/Construction Manager

CH2M HILL
520 Main Avenue, Suite 601
Fargo, ND 58124
Mobile 770.331.0566
www.ch2mhill.com

From: Jon Chose [mailto:jchose@icsgf.com]
Sent: Wednesday, July 20, 2016 10:10 AM
To: Smith, Tyler/FMH <Tyler.Smith@CH2M.com>; Wagle, Loren/FMH <Loren.Wagle@CH2M.com>; Randy Engelstad <rengelstad@houstoneng.com>; Chitwood, Peter/FMH <Peter.Chitwood@ch2m.com>
Cc: Dan Shirek <dshirek@icsgf.com>; Eric Bye <ebye@icsgf.com>
Subject: Opp price for impressioned concrete [EXTERNAL]

Ty,

Apparently Randy Engelstad has requested an additional 9 square yards of impressioned concrete along 2nd Street.

Lance Strum from Opp has requested a revised price of $ 260.00 per SY for a total of $ 2,340.00 plus ICS 5% mark-up of $ 117.00. The price includes excavation, granular base, and minimum concrete load charge.

Does the City want ICS to proceed with this work for the price of $ 2,457.00?

Let me know as Opp will be onsite today and tomorrow and needs to know if this work will be done or not.

Thanks.

DRAFT

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 ($)
Industrial Builders, Inc.	
Change Order #9	***$5,486.80***

- WP-42A.2, 2nd Street North Pump Station – Sluice Gate Operator Covers

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
Original Contract	8,069,000.00	0.00	8,069,000.00	9-Oct-14	31-Jan-16	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order 1	66,920.00	8,069,000.00	8,135,920.00	9-Oct-14	31-Jan-16	Revisions to traffic control
Change Order 2	67,397.00	8,135,920.00	8,203,317.00	9-Oct-14	31-Jan-16	Accommodate unforeseen subsurface conditions (remove concrete structure and dispose of contaminated soil)
Change Order 3	225,056.00	8,203,317.00	8,428,373.00	9-Oct-14	16-Feb-16	Change in design requirements for backfill of structure
Change Order 4	238,871.75	8,428,373.00	8,667,244.75	9-Oct-14	25-Apr-16	Baffle wall, sheeting, and 2nd Street road closure
Change Order 5	7,614.93	8,667,244.75	8,674,859.68	9-Oct-14	25-Apr-16	Physical model tests, vacuum line, pump station veneer, and cold weather construction costs.
Change Order 6	43,488.99	8,674,859.68	8,718,348.67	9-Oct-14	7-Dec-16	Completion Milestone Changes, Extended Warranty Duration, Modifications to Trash Rack and Rake, and Check Valve Replacement.
Change Order 7	1,870.32	8,718,348.67	8,720,218.99	9-Oct1-14	7-Dec-16	Pump Station Beacons
Change Order 8	(47,876.36)	8,720,218.99	8,672,342.63	9-Oct-14	7-Dec-16	Deduct unused budget for hazardous material removal

Change Order 9	5,486.80	8,672,342.63	8,677,829.43	9-Oct-14	7-Dec-16	Sluice Gate Operator Covers

DISCUSSION

Change Order No. 9 will add $5,486.80 to the project cost to accommodate City of Fargo requested installation of covers for sluice gate operators to prevent tampering. The total cost of this change item is $5,486.80. CH2M and HMG have reviewed this cost and find it acceptable.

ATTACHMENT(S):

1. Draft Change Order No. 9
2. Contractor's Change Proposal and Clarification email

Submitted by:

August 2, 2016

John Glatzmaier
CH2M HILL
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: *August 3, 2016* *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: *August 2, 2016* *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: *August 2, 2016* *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: *August 8, 2016* *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: *August 2, 2016* *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: *August 2, 2016* *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: *August 2, 2016* *Non-Concur:* _____

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Change Order No. 09

Date of Issuance:	8/11/2016	Effective Date:	8/11/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42A.2
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	435534
Contractor:	Industrial Builders, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42A.2
Project:	Fargo-Moorhead Area Diversion	Contract Name:	2nd Street/Downtown – In-Town Levees, 2nd Street N Pump Station, Fargo ND

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

Description:

SLUICE GATE OPERATOR COVERS

Increase Contract Price by adding $5,486.80 lump sum bid item *0039 F&I Actuator Parts for Sluice Gate Operators* as shown in the attached Change Order 09 Unit Price Schedule dated 8/11/2016. There is no schedule change associated with this bid item.

Attachments:

- Change Order 09 Unit Price Schedule dated 8/11/2016

CHANGE IN CONTRACT PRICE		CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price:	**8,069,000.00**	Original Contract Times: Substantial Completion: November 30, 2015 Ready for Final Payment: January 31, 2016 days or dates
[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 08:	**603,342.63**	[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 08: Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates
Contract Price prior to this Change Order:	**8,672,342.63**	Contract Times prior to this Change Order: Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates
[Increase] [~~Decrease~~] of this Change Order:	**5,486.80**	[~~Increase~~] [~~Decrease~~] of this Change Order: Substantial Completion: Ready for Final Payment:

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	days or dates
Contract Price incorporating this Change Order: **8,667,829.43**	Contract Times with all approved Change Orders: Substantial Completion: October 7, 2016 Ready for Final Payment: December 7, 2016 days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: David Goulet
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date: _____	Date: _____	Date: _____

Draft Print

WP-42A.2
2nd Street N Pump Station

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Change Order 9 Unit Price Schedule
DATE: 8/11/2016

WP-42A.2 - 2nd Street N Pump Station												
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-07)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Mobilization	LS	1	400,200.00	$ 400,200.00				1	400,200.00	$ 400,200.00	
0002	Demolition – Pavement Removal, Miscellaneous	LS	1	20,000.00	$ 20,000.00				1	20,000.00	$ 20,000.00	
0003	Site Civil	LS	1	500.00	$ 500.00				1	500.00	$ 500.00	
0004	Erosion and Sediment Control	LS	1	8,000.00	$ 8,000.00				1	8,000.00	$ 8,000.00	
0005	Traffic Control	LS	1	116,920.00	$ 116,920.00				1	116,920.00	$ 116,920.00	
0006	Fencing	LF	800	25.00	$ 20,000.00				800	25.00	$ 20,000.00	
0007	Pump Station – Structural and Architectural	LS	1	3,645,000.00	$ 3,645,000.00				1	3,645,000.00	$ 3,645,000.00	
0008	Stormwater Pumps and Motors	LS	1	1,301,944.14	$ 1,301,944.14				1	1,301,944.14	$ 1,301,944.14	
0009	Sump Pumps	LS	1	90,000.00	$ 90,000.00				1	90,000.00	$ 90,000.00	
0010	Trash Racks and Miscellaneous Metals	LS	1	357,489.51	$ 357,489.51				1	357,489.51	$ 357,489.51	
0011	Sluice Gates and Wall Thimbles	LS	1	200,000.00	$ 200,000.00				1	200,000.00	$ 200,000.00	
0012	F&I Floodwall Reinforced Bars - Steel	LB	13,000	2.30	$ 29,900.00				13,000	2.30	$ 29,900.00	
0013	F&I Floodwall Reinforced Bars - Epoxy Coated Steel	LB	12,000	1.80	$ 21,600.00				12,000	1.80	$ 21,600.00	
0014	F&I Floodwall - Structural Concrete	CY	165	1,200.00	$ 198,000.00				165	1,200.00	$ 198,000.00	
0015	F&I Floodwall – Misc.	LS	1	50,000.00	$ 50,000.00				1	50,000.00	$ 50,000.00	
0016	Sheetpiling	LS	1	1,125,000.00	$ 1,125,000.00				1	1,125,000.00	$ 1,125,000.00	
0017	Switchboard SWBDA, Motor Control Center MCCA, Automatic Transfer Switch, Panel LP1	LS	1	128,000.00	$ 128,000.00				1	128,000.00	$ 128,000.00	
0018	Electrical-Interior	LS	1	156,000.00	$ 156,000.00				1	156,000.00	$ 156,000.00	
0019	Electrical-Exterior	LS	1	28,870.32	$ 28,870.32				1	28,870.32	$ 28,870.32	
0020	Instrumentation and Controls	LS	1	99,000.00	$ 99,000.00				1	99,000.00	$ 99,000.00	
0021	Programming	LS	1	5,500.00	$ 5,500.00				1	5,500.00	$ 5,500.00	

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WP-42A.2 - 2nd Street N Pump Station											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-07)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT
0022	HVAC – General	LS	1	90,000.00	$ 90,000.00				1	90,000.00	$ 90,000.00
0023	Plumbing General	LS	1	5,300.00	$ 5,300.00				1	5,300.00	$ 5,300.00
0024	Health and Safety	LS	1	50,000.00	$ 50,000.00				1	50,000.00	$ 50,000.00
0025	Remove Subsurface Concrete Structure	LS	1	7,397.00	$ 7,397.00				1	7,397.00	$ 7,397.00
0026	Hazardous Fill Removal and Disposal - T&M, Not to Exceed	LS	1	12,123.64	$ 12,123.64				1	12,123.64	$ 12,123.64
0027	Backfill Below 882'	LS	1	158,293.32	$ 158,293.32				1	158,293.32	$ 158,293.32
0028	Backfill Above 882'	LS	1	61,324.68	$ 61,324.68				1	61,324.68	$ 61,324.68
0029	Electric Unit Heater (RFI-029A)	LS	1	1,472.00	$ 1,472.00				1	1,472.00	$ 1,472.00
0030	Louvers (RFI-043)	LS	1	3,966.00	$ 3,966.00				1	3,966.00	$ 3,966.00
0031	Install Baffle Wall	LS	1	$ 176,792.50	$ 176,792.50				1	176,792.50	$ 176,792.50
0032	Leave Sheeting in Place	LS	1	$ 64,179.25	$ 64,179.25				1	64,179.25	$ 64,179.25
0033	Close 2nd Street North	LS	1	$ 3,950.00	$ 3,950.00				1	3,950.00	$ 3,950.00
0034	Reduced Vacuum Line Size	LS	1	$ (516.99)	$ (516.99)				1	(516.99)	$ (516.99)
0036	Substitute Utility Brick Veneer for Stone Veneer	LS	1	$ (12,750.00)	$ (12,750.00)				1	(12,750.00)	$ (12,750.00)
0037	Cold Weather Construction	LS	1	$ 14,831.92	$ 14,831.92				1	14,831.92	$ 14,831.92
0038	Warranty Extended Duration	LS	1	$ 34,055.34	$ 34,055.34				1	34,055.34	$ 34,055.34
0039	F&I Actuator Parts for Sluice Gate Operators	LS				1	$ 5,486.80	$ 5,486.80	1	5,486.80	$ 5,486.80
			CURRENT BUDGET		$ 8,672,342.63	NET CHANGE		$ 5,486.80	NEW BUDGET		$ 8,677,829.43

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CHANGE ORDER REQUEST

08/02/2016 1:45:16 PM

Industrial Builders Inc.

14321- - WP42A.2 - Metro Flood/2nd St. Pump Station

DATE:

PCO#: 3

To:	Tyler Smith CH2M Hill Engineer's Inc 657 2nd Ave N Fargo, ND 58105-5405	**From:**	David Goulet Industrial Builders Inc. PO Box 406 Fargo, ND 58107-0406
Phone:	701-566-5470	**Phone:**	701-356-9827
Fax:		**Fax:**	
Email:	tyler.smith@ch2m.com	**Email:**	dgoulet@industrialbuilders.com
CC:			

- PCO: Actuator Parts
    - Adding owner requested covers and 2” nuts to the actuators

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Actuator Parts and Installation	Pending		1.000	L S	5486.80	5486.80

Submitted By:

7/15/2016

David Goulet Date

Approved By:

Tyler Smith Date

CH2M Hill Engineer's Inc

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KODRU MOONEY
DISTINGUISHED VALVE SOLUTIONS

Quotation

Date	Quotation No.
7/13/2016	161966

Customer	Ship To
Industrial Builders, Inc. 1307 County Road 17 North West Fargo, ND 58078	Industrial Builders, Inc. 1307 County Road 17 North West Fargo, ND 58078

Reference	Lead Time	Freight Charge	Terms
2nd Street Pump Station	See Below	Included	Net 30

Description	Qty	Unit Price	Total
Per Change Proposal Dated 7/13/16. Parts, Travel and Labor to Install the Following Changes on 4 Auma Actuators A000142918 - Furnish and Install Lockable Pushbutton Covers. - Remove and Replace Declutchable HW's and Replace Handwheels that Include 2" Nut Operators Note: We do not recommend or have an option for just a 2" nut operator. All options include the handwheel but can be locked out. Lead Time: Parts: 1 Week Labor: To be Scheduled	1	4,988.00	4,988.00

Notes:
1. Taxes, if applicable, are not included.
2. To ensure accurate order processing, please reference our quotation number on your PO.

Subtotal	$4,988.00
Sales Tax (7.5%)	$0.00
Total	$4,988.00

Please direct inquiries and orders to:

Kodru Equipment, Inc.
3650 N. Chestnut St., Suite 102
Chaska, MN 55318

Phone: (952) 479-1045
Fax: (952) 843-5603
Email: matt@kodru-equipment.com

Prepared By: PS

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Buck, David/FMH

~~08/02/2016 1:45:16 PM~~

From: David Goulet <david@industrialbuilders.com>
Sent: Tuesday, August 02, 2016 1:21 PM
To: Buck, David/FMH
Cc: Ken.Demmons@hdrinc.com; Jhon.Cerna@hdrinc.com
Subject: RE: 42A2 Cut-Sheet [EXTERNAL]

From Supplier:

The statement "We do not recommend or have an option for just a 2" nut operator. All options include the hand wheel but can be locked out", means that the actuator will have BOTH a 2" nut and a hand wheel; there isn't an option for JUST a 2" nut. With this change they WILL be able to operate the gates using a drill and 2" nut adapter. I apologize that could have been worded better.

KODRU MOONEY

Paul Swenson

Paul@Kodru-Equipment.com |

Office: 952-479-1045 Cell: 612-251-1075 Fax: (952) 843-5603

Kodru Mooney | 3650 Chestnut Street North, Suite 102, Chaska, MN 55318

www.kodru-equipment.com

Thank you,

David Goulet
Project Manager
Industrial Builders, Inc.
Office: 701-282-4977
Direct: 701-356-9827
Fax: 701-281-1409

From: David.Buck@ch2m.com [mailto:David.Buck@ch2m.com]
Sent: Tuesday, August 02, 2016 12:12 PM
To: David Goulet
Cc: Ken.Demmons@hdrinc.com; Jhon.Cerna@hdrinc.com
Subject: RE: 42A2 Cut-Sheet

Thanks Dave, that give us what we need, last question: are they getting the 2" nut adapter or no? I noticed on the quote it says on the 2nd page: "We do not recommend or have an option for just a 2" nut operator. All options include the handwheel but can be locked out" I know the City's desire for this was that they could connect to a drill, sounds like that isn't doable, is that correct?

Thanks,

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From: David Goulet [mailto:david@industrialbuilders.com]
Sent: Tuesday, August 02, 2016 11:43 AM
To: Buck, David/FMH <David.Buck@ch2m.com>
Cc: Ken.Demmons@hdrinc.com; Jhon.Cerna@hdrinc.com
Subject: RE: 42A2 Cut-Sheet [EXTERNAL]

Here is what they have at this time. The cover is lockable and so is the 2" nut adapter.

Thank you,

David Goulet
Project Manager
Industrial Builders, Inc.
Office: 701-282-4977
Direct: 701-356-9827
Fax: 701-281-1409

From: David Goulet
Sent: Tuesday, August 02, 2016 10:41 AM
To: 'David.Buck@ch2m.com'
Cc: 'Ken.Demmons@hdrinc.com'; 'Jhon.Cerna@hdrinc.com'
Subject: RE: 42A2 Cut-Sheet

He is going to try and get the manufacture to send the sheet by 2pm today

Thank you,

David Goulet
Project Manager
Industrial Builders, Inc.
Office: 701-282-4977
Direct: 701-356-9827
Fax: 701-281-1409

From: David Goulet
Sent: Tuesday, August 02, 2016 10:38 AM
To: 'David.Buck@ch2m.com'
Cc: Ken.Demmons@hdrinc.com; Jhon.Cerna@hdrinc.com
Subject: RE: 42A2 Cut-Sheet

I forwarded your email to him yesterday. Let me follow up with him

Thank you,

David Goulet
Project Manager
Industrial Builders, Inc.
Office: 701-282-4977
Direct: 701-356-9827
Fax: 701-281-1409

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08/02/2016 1:45:16 PM

From: David.Buck@ch2m.com [mailto:David.Buck@ch2m.com]
Sent: Tuesday, August 02, 2016 9:10 AM
To: David Goulet
Cc: Ken.Demmons@hdrinc.com; Jhon.Cerna@hdrinc.com
Subject: FW: 42A2 Cut-Sheet

Hi Dave, just wanted to see if you've had any luck with this? Looking to squeeze this into a change order here shortly.

Thanks,

From: Buck, David/FMH
Sent: Monday, August 01, 2016 1:58 PM
To: 'David Goulet' <david@industrialbuilders.com>
Cc: 'Demmons, Ken' <Ken.Demmons@hdrinc.com>; 'Cerna, Jhon' <Jhon.Cerna@hdrinc.com>
Subject: 42A2 Cut-Sheet

Hi Dave,

Do you have a cut-sheet/data sheet for the 42A.2 actuator product regarding the covers and such? (attached).

Thanks,

David N. Buck, E.I.T.
Water Engineer
D 1 701 205 3771
M 1 414 405 8156

CH2M
520 Main Avenue, Suite 601
Fargo, ND 58103
United States
www.ch2m.com | LinkedIn | Twitter | Facebook

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Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 ($)
WP-42F.1N: Industrial Builders Inc.	
Change Order #01	***$8,122.00***
• **WP-42F.1N, 2nd Street North (North of Pump Station) – Watermain Insulation Change and Floodwall Cap Modification**	

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	$0.00	$12,969,699.05		25-Apr-16	1-Jul-17	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	$8,122.00	$12,969,699.05	$12,977,821.05	25-Apr-16	1-Jul-17	Water Main Insulation, Floodwall Caps Modification

DISCUSSION

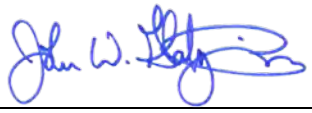
Change Order No. 01 adds new and modifies existing scope elements to total an increase of $8,122.00 to the Contract Price. The Change Order consists of the following items:

1. **Watermain Insulation** – During the North Dakota Department of Health (NDDOH) permitting process, NDDOH reviewers requested that the elevations be changed in the water main. This resulted in an increased requirement for watermain insulation. The total cost of this change item is $550.00. CH2M and HMG have reviewed this cost and find it acceptable.
2. **Floodwall Caps Modification** – City of Fargo personnel requested that the floodwall caps on the project be designed/instatalled with a more aggressive peak, to deter pedestrians from climbing on the floodwall. CH2M and HMG have reviewed this cost and find it acceptable. The total cost for this change item is $7,572.00.

ATTACHMENT(S):

1. Change Order No. 01
2. Contractor's Email dated July 18, 2016 (water main insulation)
3. Contractor's Change Proposal dated July 29, 2016 (Floodwall Caps Modification)

Submitted by:



August 2, 2016

John Glatzmaier, P.E.
CH2M
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: *August 3, 2016* *Non-Concur:*

April Walker, Fargo City Engineer
Concur: *August 2, 2016* *Non-Concur*

Mark Bittner, Fargo Director of Engineering
Concur: *August 2, 2016* *Non-Concur:*

Jason Benson, Cass County Engineer
Concur: *August 8, 2016* *Non-Concur*

David Overbo, Clay County Engineer
Concur: *August 2, 2016* *Non-Concur:*

Robert Zimmerman, Moorhead City Engineer
Concur: *August 3, 2016* *Non-Concur*

Nathan Boerboom, Diversion Authority Project Manager
Concur: *August 2, 2016* *Non-Concur:*

Change Order No. 01

Date of Issuance:	8/11/2016	Effective Date:	8/11/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42F.1N
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	435534
Contractor:	Industrial Builders, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42F.1N
Project:	Fargo-Moorhead Area Diversion	Contract Name:	Flood Control, 2nd Street North, Nouth of Pump Station

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

Description:

1. WATER MAIN INSULATION
    a. Add unit rate bid item *0137 F&I 4" Watermain Insulation* to accommodate all labor, materials and equipment required for additional watermain insulation as shown on the attached Change Order 01 Unit Price Schedule dated 8/11/2016. There is no schedule change associated with this change item.
2. FLOODWALL CAPS MODIFICATION
    a. Add lump sum bid item *0137 F&I Revised Floodwall Caps* for $7,572.00 to accommodate the Owner Requested change in the floodwall cap peaks. The attached Change Order 01 Unit Price Schedule dated 8/11/2016 shows the price increase. There is no schedule change associated with this change item.

Attachments:

Change Order 01 Unit Price Schedule Dated 8/11/2016

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: **12,969,699.05**	Original Contract Times: Milestone 1: October 15, 2016 Milestone 2: 20 calendar days after road closure Substantial Completion: October 15, 2016 Ready for Final Payment: July 1, 2017
[~~Increase~~] [~~Decrease~~] from previously approved Change Orders No.: **0**	[~~Increase~~] [~~Decrease~~] from previously approved Change Orders No. 01: Milestone 1: Milestone 2: Substantial Completion: Ready for Final Payment:
Contract Price prior to this Change Order:	Contract Times prior to this Change Order: Milestone 1: Milestone 2:

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	Substantial Completion:
12,969,699.05	Ready for Final Payment:
[Increase] [~~Decrease~~] of this Change Order:	[~~Increase~~] [~~Decrease~~] of this Change Order:
	Milestone 1:
	Milestone 2:
	Substantial Completion:
8,122.00	Ready for Final Payment:
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
	Milestone 1: October 15, 2016
	Milestone 2: 20 calendar days after road closure
	Substantial Completion: October 15, 2016
12,977,821.05	Ready for Final Payment: July 1, 2017

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: Kerry Meske
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date: _____	Date: _____	Date: _____

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WP-42F.1N
2nd Street/Downtown Area - In-Town Levees

Change Order 1 Unit Price Schedule
DATE: 8/1/2016

WP-42F.1N - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Remove Sanitary Manhole	EA	3	$ 735.00	$ 2,205.00				3	735.00	$ 2,205.00	
0002	F&I Sanitary Manhole 4' Dia Reinf Conc	EA	3	$ 7,035.00	$ 21,105.00				3	7,035.00	$ 21,105.00	
0003	F&I Sanitary Manhole w/Ext Drop 4' Dia Reinf Conc	EA	1	$ 10,290.00	$ 10,290.00				1	10,290.00	$ 10,290.00	
0004	Connect Sewer Service Option C	EA	1	$ 1,260.00	$ 1,260.00				1	1,260.00	$ 1,260.00	
0005	F&I Sanitary Pipe w/GB SDR 26 - 6" Dia PVC	LF	119	$ 115.00	$ 13,685.00				119	115.00	$ 13,685.00	
0006	F&I Sanitary Pipe w/GB SDR 26 - 12" Dia PVC	LF	243	$ 170.00	$ 41,310.00				243	170.00	$ 41,310.00	
0007	F&I Sanitary Pipe w/GB SDR 35 - 12" Dia PVC	LF	304	$ 130.00	$ 39,520.00				304	130.00	$ 39,520.00	
0008	F&I DI Force Main - Fittings	LB	6,280	$ 6.30	$ 39,564.00				6280	6.30	$ 39,564.00	
0009	F&I Clean-out Manhole 5' Dia Reinf Conc	EA	1	$ 54,000.00	$ 54,000.00				1	54,000.00	$ 54,000.00	
0010	F&I Manhole Type E Reinf Conc	EA	1	$ 65,000.00	$ 65,000.00				1	65,000.00	$ 65,000.00	
0011	F&I Valve 30" Dia - Plug Valve	EA	1	$ 54,000.00	$ 54,000.00				1	54,000.00	$ 54,000.00	
0012	F&I Pipe w/GB DR 25 - 30" Dia PVC	LF	1,072	$ 285.00	$ 305,520.00				1072	285.00	$ 305,520.00	
0013	Remove Sanitary Pipe All Sizes All Types	LF	751	$ 11.00	$ 8,261.00				751	11.00	$ 8,261.00	
0014	Plug Sanitary Pipe 8" Diameter	EA	2	$ 340.00	$ 680.00				2	340.00	$ 680.00	
0015	Plug Sanitary Pipe 10" Diameter	EA	2	$ 420.00	$ 840.00				2	420.00	$ 840.00	
0016	Plug Sanitary Pipe 12" Diameter	EA	2	$ 525.00	$ 1,050.00				2	525.00	$ 1,050.00	
0017	F&I 5" Hydrant	EA	3	$ 8,505.00	$ 25,515.00				3	8,505.00	$ 25,515.00	
0018	Remove Hydrant	EA	2	$ 767.00	$ 1,534.00				2	767.00	$ 1,534.00	
0019	F&I Watermain Pipe w/GB C900 DR 18 - 6" Dia PVC	LF	71	$ 88.00	$ 6,248.00				71	88.00	$ 6,248.00	
0020	F&I Watermain Pipe w/GB C900 DR 18 - 8" Dia PVC	LF	40	$ 92.00	$ 3,680.00				40	92.00	$ 3,680.00	
0021	F&I Watermain Pipe w/GB C900 DR 18 - 10" Dia PVC	LF	1,386	$ 103.00	$ 142,758.00				1386	103.00	$ 142,758.00	
0022	F&I Gate Valve 6" Dia	EA	5	$ 2,060.00	$ 10,300.00				5	2,060.00	$ 10,300.00	

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WP-42F.1N - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0023	F&I Gate Valve 10" Dia	EA	2	$ 4,410.00	$ 8,820.00				2	4,410.00	$ 8,820.00	
0024	Remove Watermain Pipe All Sizes All Types	LF	247	$ 11.00	$ 2,717.00				247	11.00	$ 2,717.00	
0025	Plug Watermain Pipe 6" Diameter	EA	2	$ 1,345.00	$ 2,690.00				2	1,345.00	$ 2,690.00	
0026	Transfer Water Service	LS	1	$ 1,680.00	$ 1,680.00				1	1,680.00	$ 1,680.00	
0027	F&I Watermain Fittings Ductile Iron	LBS	3,230	$ 2.10	$ 6,783.00				3230	2.10	$ 6,783.00	
0028	F&I Storm Manhole 4' Dia Reinf Conc	EA	4	$ 6,090.00	$ 24,360.00				4	6,090.00	$ 24,360.00	
0029	F&I Storm Manhole 5' Dia Reinf Conc	EA	5	$ 7,665.00	$ 38,325.00				5	7,665.00	$ 38,325.00	
0030	F&I Storm Manhole 6' Dia Reinf Conc	EA	3	$ 7,980.00	$ 23,940.00				3	7,980.00	$ 23,940.00	
0031	F&I Storm Manhole 7' Dia Reinf Conc	EA	3	$ 14,000.00	$ 42,000.00				3	14,000.00	$ 42,000.00	
0032	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	1	$ 3,885.00	$ 3,885.00				1	3,885.00	$ 3,885.00	
0033	F&I Inlet - Single Box (SBI) Reinf Conc	EA	10	$ 3,255.00	$ 32,550.00				10	3,255.00	$ 32,550.00	
0034	F&I Inlet - Double Box (DBI) Reinf Conc	EA	3	$ 5,460.00	$ 16,380.00				3	5,460.00	$ 16,380.00	
0035	F&I Inlet - Round Inlet (RDI) Reinf Conc	EA	5	$ 1,890.00	$ 9,450.00				5	1,890.00	$ 9,450.00	
0036	Modify East Bridge Inlet	EA	1	$ 5,670.00	$ 5,670.00				1	5,670.00	$ 5,670.00	
0037	Remove Storm Manhole	EA	8	$ 756.00	$ 6,048.00				8	756.00	$ 6,048.00	
0038	Remove Storm Inlet	EA	14	$ 640.00	$ 8,960.00				14	640.00	$ 8,960.00	
0039	Remove Storm Pipe All Sizes All Types	LF	1,680	$ 11.00	$ 18,480.00				1680	11.00	$ 18,480.00	
0040	F&I Storm Pipe 15" Dia Reinf Conc	LF	278	$ 59.00	$ 16,402.00				278	59.00	$ 16,402.00	
0041	F&I Storm Pipe w/GB 15" Dia Reinf Conc	LF	351	$ 93.00	$ 32,643.00				351	93.00	$ 32,643.00	
0042	F&I Storm Pipe w/GB 18" Dia Reinf Conc	LF	34	$ 98.00	$ 3,332.00				34	98.00	$ 3,332.00	
0043	F&I Storm Pipe w/GB 24" Dia Reinf Conc	LF	83	$ 121.00	$ 10,043.00				83	121.00	$ 10,043.00	
0044	F&I Storm Pipe w/GB 27" Dia Reinf Conc	LF	383	$ 153.00	$ 58,599.00				383	153.00	$ 58,599.00	
0045	F&I Storm Pipe w/GB 36" Dia Reinf Conc	LF	214	$ 283.00	$ 60,562.00				214	283.00	$ 60,562.00	
0046	F&I Storm Pipe w/GB 48" Dia Reinf Conc	LF	102	$ 410.00	$ 41,820.00				102	410.00	$ 41,820.00	
0047	Remove Pavement All Thicknesses All Types	SY	13,647	$ 12.00	$ 163,764.00				13647	12.00	$ 163,764.00	

DRAFT

WP-42F.1N - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0048	Remove Sidewalk All Thicknesses All Types	SY	3,528	$ 7.50	$ 26,460.00				3528	7.50	$ 26,460.00	
0049	Remove Gravel Surfacing All Thicknesses All Types	SY	133	$ 8.00	$ 1,064.00				133	8.00	$ 1,064.00	
0050	Subgrade Preparation	SY	6,649	$ 5.25	$ 34,907.25				6649	5.25	$ 34,907.25	
0051	F&I Woven Geotextile	SY	7,607	$ 3.15	$ 23,962.05				7607	3.15	$ 23,962.05	
0052	F&I Class 5 Agg - 6" Thick	SY	958	$ 13.65	$ 13,076.70				958	13.65	$ 13,076.70	
0053	F&I Class 5 Agg - 8" Thick	SY	1,062	$ 15.75	$ 16,726.50				1062	15.75	$ 16,726.50	
0054	F&I Class 5 Agg - 12" Thick	SY	5,587	$ 18.90	$ 105,594.30				5587	18.90	$ 105,594.30	
0055	F&I Edge Drain 4" Dia PVC	LF	2,659	$ 9.50	$ 25,260.50				2659	9.50	$ 25,260.50	
0056	F&I Curb & Gutter Standard (Type II)	LF	2,659	$ 30.00	$ 79,770.00				2659	30.00	$ 79,770.00	
0057	F&I Variable Height Curb	LF	16	$ 57.00	$ 912.00				16	57.00	$ 912.00	
0058	Remove Curb & Gutter	LF	2,797	$ 7.35	$ 20,557.95				2797	7.35	$ 20,557.95	
0059	F&I Pavement 9" Thick Doweled Conc	SY	4,650	$ 88.00	$ 409,200.00				4650	88.00	$ 409,200.00	
0060	F&I Pavement 11" Thick Doweled Conc	SY	208	$ 90.00	$ 18,720.00				208	90.00	$ 18,720.00	
0061	F&I Aggregate for Asph Pavement FAA 43	TON	748	$ 92.00	$ 68,816.00				748	92.00	$ 68,816.00	
0062	F&I Asphalt Cement PG 58-28	GAL	10,760	$ 2.05	$ 22,058.00				10760	2.05	$ 22,058.00	
0063	F&I Sidewalk 4" Thick Reinf Conc	SY	2,252	$ 55.00	$ 123,860.00				2252	55.00	$ 123,860.00	
0064	F&I Sidewalk 6" Thick Reinf Conc	SY	748	$ 65.00	$ 48,620.00				748	65.00	$ 48,620.00	
0065	Temp Construction Entrance	EA	1	$ 4,200.00	$ 4,200.00				1	4,200.00	$ 4,200.00	
0066	F&I Impressioned 4" Thick Reinf Conc	SY	621	$ 218.00	$ 135,378.00				621	218.00	$ 135,378.00	
0067	F&I Driveway 6" Thick Reinf Conc	SY	22	$ 105.00	$ 2,310.00				22	105.00	$ 2,310.00	
0068	F&I Det Warn Panels Cast Iron	SF	123	$ 60.00	$ 7,380.00				123	60.00	$ 7,380.00	
0069	Reset Sign Assembly	EA	1	$ 260.00	$ 260.00				1	260.00	$ 260.00	
0070	F&I Sign Assembly	EA	19	$ 240.00	$ 4,560.00				19	240.00	$ 4,560.00	
0071	F&I Engineering Grade	SF	74.5	$ 25.00	$ 1,862.50				75	25.00	$ 1,862.50	
0072	F&I Diamond Grade Cubed	SF	28.6	$ 42.00	$ 1,201.20				29	42.00	$ 1,201.20	

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WP-42F.1N - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0073	F&I High Intensity Prismatic	SF	17.5	$ 37.00	$ 647.50				18	37.00	$ 647.50	
0074	F&I Grooved Plastic Film Message	SF	223.5	$ 37.00	$ 8,269.50				224	37.00	$ 8,269.50	
0075	F&I Grooved Plastic Film 4" Wide	LF	2,998	$ 5.70	$ 17,088.60				2998	5.70	$ 17,088.60	
0076	F&I Grooved Plastic Film 8" Wide	LF	391	$ 12.00	$ 4,692.00				391	12.00	$ 4,692.00	
0077	F&I Grooved Contrast Film 7" Wide	LF	723	$ 11.00	$ 7,953.00				723	11.00	$ 7,953.00	
0078	F&I Methacrylate 6" Wide	LF	339	$ 27.00	$ 9,153.00				339	27.00	$ 9,153.00	
0079	F&I Methacrylate 16" Wide	LF	79	$ 44.00	$ 3,476.00				79	44.00	$ 3,476.00	
0080	Traffic Control - Type 2	LS	1	$ 65,000.00	$ 65,000.00				1	65,000.00	$ 65,000.00	
0081	4" Special Concrete 1	SY	193	$ 160.00	$ 30,880.00				193	160.00	$ 30,880.00	
0082	4" Special Concrete 3	SY	22	$ 400.00	$ 8,800.00				22	400.00	$ 8,800.00	
0083	6" Special Concrete 1	SY	220	$ 165.00	$ 36,300.00				220	165.00	$ 36,300.00	
0084	6" Special Concrete 2	SY	117	$ 265.00	$ 31,005.00				117	265.00	$ 31,005.00	
0085	Mobilization	LS	1	$ 657,665.00	$ 657,665.00				1	657,665.00	$ 657,665.00	
0086	Temp Fence - Safety	LF	1,471	$ 14.00	$ 20,594.00				1471	14.00	$ 20,594.00	
0087	Remove Retaining Wall	LS	1	$ 200,000.00	$ 200,000.00				1	200,000.00	$ 200,000.00	
0088	Remove Guard Rail	LF	57	$ 10.00	$ 570.00				57	10.00	$ 570.00	
0089	Remove Fence All Sizes All Types	LF	579	$ 10.00	$ 5,790.00				579	10.00	$ 5,790.00	
0090	F&I Chain Link Fence	LF	985	$ 16.00	$ 15,760.00				985	16.00	$ 15,760.00	
0091	Temp Pumping	LS	1	$ 63,000.00	$ 63,000.00				1	63,000.00	$ 63,000.00	
0092	Remove Howard Johnson Inn Pool	LS	1	$ 15,750.00	$ 15,750.00				1	15,750.00	$ 15,750.00	
0093	Clear & Grub	LS	1	$ 5,040.00	$ 5,040.00				1	5,040.00	$ 5,040.00	
0094	Remove Tree	EA	13	$ 840.00	$ 10,920.00				13	840.00	$ 10,920.00	
0095	Remove Parking Lot Concrete Bumpers	EA	34	$ 262.00	$ 8,908.00				34	262.00	$ 8,908.00	
0096	Silt Fence - Standard	LF	733	$ 2.65	$ 1,942.45				733	2.65	$ 1,942.45	
0097	Sediment Control Log 10" to 15" Dia	LF	1,406	$ 3.15	$ 4,428.90				1406	3.15	$ 4,428.90	

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WP-42F.1N - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0098	F&I Erosion Control Blanket	SY	301	$ 2.10	$ 632.10				301	2.10	$ 632.10	
0099	Inlet Protection - New Inlet	EA	23	$ 155.00	$ 3,565.00				23	155.00	$ 3,565.00	
0100	Inlet Protection - Existing Inlet	EA	22	$ 120.00	$ 2,640.00				22	120.00	$ 2,640.00	
0101	Remove Traffic Lighting	LS	1	$ 6,000.00	$ 6,000.00				1	6,000.00	$ 6,000.00	
0102	Street Lighting	LS	1	$ 120,000.00	$ 120,000.00				1	120,000.00	$ 120,000.00	
0103	Remove Outfall Including Adjacent Concrete Structures	EA	1	$ 15,750.00	$ 15,750.00				1	15,750.00	$ 15,750.00	
0104	Remove and Salvage Traffic Signal Equipment - System A (2nd St / 4th Ave N)	LS	1	$ 6,000.00	$ 6,000.00				1	6,000.00	$ 6,000.00	
0105	Traffic Signal System "A" (2 St / 4th Ave N)	LS	1	$ 195,000.00	$ 195,000.00				1	195,000.00	$ 195,000.00	
0106	Remove and Salvage Traffic Signal Equipment - System "B" (2nd St / 3rd Ave N)	LS	1	$ 6,000.00	$ 6,000.00				1	6,000.00	$ 6,000.00	
0107	Remove and Plug BNSF Utility "Diesel Oil Line"	LS	1	$ 3,045.00	$ 3,045.00				1	3,045.00	$ 3,045.00	
0108	Remove and Plug BNSF Utility "Diesel Water Line"	LS	1	$ 3,045.00	$ 3,045.00				1	3,045.00	$ 3,045.00	
0109	Remove and Plug BNSF Utility "Watermain"	LS	1	$ 3,045.00	$ 3,045.00				1	3,045.00	$ 3,045.00	
0110	Jersey Barrier Formed	LF	180	$ 320.00	$ 57,600.00				180	320.00	$ 57,600.00	
0111	F&I Sheet Piling - Steel	SF	472	$ 50.00	$ 23,600.00				472	50.00	$ 23,600.00	
0112	Topsoil - Strip	CY	365	$ 4.20	$ 1,533.00				365	4.20	$ 1,533.00	
0113	Topsoil - Import	CY	1,810	$ 42.00	$ 76,020.00				1810	42.00	$ 76,020.00	
0114	Topsoil - Spread	CY	365	$ 5.25	$ 1,916.25				365	5.25	$ 1,916.25	
0115	Embankment	CY	2,871	$ 10.00	$ 28,710.00				2871	10.00	$ 28,710.00	
0116	Embankment Import	CY	16,475	$ 17.85	$ 294,078.75				16475	17.85	$ 294,078.75	
0117	Subcut	CY	500	$ 15.00	$ 7,500.00				500	15.00	$ 7,500.00	
0118	Excavation	CY	2,871	$ 6.30	$ 18,087.30				2871	6.30	$ 18,087.30	
0119	Mulching Type 1 - Hydro	SY	18,687	$ 0.37	$ 6,914.19				18687	0.37	$ 6,914.19	
0120	Seeding Type B	SY	18,687	$ 0.32	$ 5,979.84				18687	0.32	$ 5,979.84	
0121	Overseeding	SY	18,687	$ 0.09	$ 1,681.83				18687	0.09	$ 1,681.83	
0122	Weed Control Type B	SY	18,687	$ 0.07	$ 1,308.09				18687	0.07	$ 1,308.09	

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WP-42F.1N - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0123	F&I Retaining Wall Reinf Bars - Steel	LB	100,899	$ 1.30	$ 131,168.70				100899	1.30	$ 131,168.70	
0124	F&I Retaining Wall Reinf Bars - Epoxy Coated Steel	LB	126,896	$ 1.50	$ 190,344.00				126896	1.50	$ 190,344.00	
0125	F&I Retaining Wall - Structural Conc	CY	1,062	$ 1,100.00	$ 1,168,200.00				1062	1,100.00	$ 1,168,200.00	
0126	F&I Handrail/Ornamental Fence	LF	425	$ 300.00	$ 127,500.00				425	300.00	$ 127,500.00	
0127	Lean Mix Backfill	CY	222	$ 300.00	$ 66,600.00				222	300.00	$ 66,600.00	
0128	Retaining Wall Drainage	LS	1	$ 50,000.00	$ 50,000.00				1	50,000.00	$ 50,000.00	
0129	Retaining Wall Shoring	LS	1	$ 350,000.00	$ 350,000.00				1	350,000.00	$ 350,000.00	
0130	Removable Floodwall	SF	369	$ 140.00	$ 51,660.00				369	140.00	$ 51,660.00	
0131	F&I Floodwall Reinf Bars - Steel	LB	549,137	$ 1.30	$ 713,878.10				549137	1.30	$ 713,878.10	
0132	F&I Floodwall Reinf Bars - Epoxy Coated Steel	LB	211,746	$ 1.50	$ 317,619.00				211746	1.50	$ 317,619.00	
0133	F&I Floodwall - Structural Conc	CY	4,325	$ 1,060.00	$ 4,584,500.00				4325	1,060.00	$ 4,584,500.00	
0134	Concrete Surface Stain	LS	1	$ 325,000.00	$ 325,000.00				1	325,000.00	$ 325,000.00	
0135	BNSF Bridge Modifications	LS	1	$ 85,000.00	$ 85,000.00				1	85,000.00	$ 85,000.00	
0136	F&I 4" Watermain Insulation	SY			$ -	10	$ 55.00	$ 550.00	10	55.00	$ 550.00	
0137	F&I Revised Floodwall Caps	LS			$ -	1	$ 7,572.00	$ 7,572.00	1	7,572.00	$ 7,572.00	
WP-42F.1N - TOTAL AMOUNT			CURRENT BUDGET		$ 12,969,699.05	NET CHANGE		$ 8,122.00	NEW BUDGET		$ 12,977,821.05	

DRAFT

Buck, David/FMH

From: Kerry Meske <Kerry@industrialbuilders.com>
Sent: Monday, July 18, 2016 12:52 PM
To: PE Randy Engelstad (rengelstad@houstoneng.com)
Cc: Buck, David/FMH; Chitwood, Peter/FMH; EI Tom Kornkven (tkornkven@houstoneng.com); John Mayer
Subject: WP-42F.1.N 2nd Street N Floodwall - 4" Thick Insulation [EXTERNAL]

Randy,

We propose a unit price of $55.00 per square yard for 4" Thick Insulation.

Regards,

Industrial Builders, Inc.

Kerry M. Meske
Senior Project Manager
Direct: 701-356-9837
Office: 701-282-4977
Mobile: 701-541-1644

IBI Job No. 16169

DRAFT

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CHANGE ORDER REQUEST

Industrial Builders, Inc.
16169- - 2nd Street North Floodwall WP-42F.1N

DATE: 7/29/2016
PCO#: 3

To:	Tyler Smith CH2M Hill Engineer's Inc 657 2nd Ave N Fargo, ND 58105-5405
Phone:	701-566-5470
Fax:	
Email:	tyler.smith@ch2m.com
CC:	

From:	Kerry M. Meske Industrial Builders, Inc. PO Box 406 Fargo, ND 58107-0406
Phone:	701-282-4977
Fax:	
Email:	kmeske@industrialbuilders.com

Below is the detail for our proposal to complete the following changes in contract work:

PCO: Wall Cap Revision

- This price includes the new material for 60' of floodwall caps at the end of the floodwall.

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Wall Cap Material	Initiated	Possible	1	LS	7572.00	7,572.00

Notes:

- *Delivery date will be 9 weeks after approved shop drawings*
- *Additional cost will be added if cold weather applications apply*
- *Additional calendar days may be required based on shop drawing approval duration and material delivery.*

DRAFT

Submitted By:

Kerry M. Meske — 7/29/2016
Kerry M. Meske — Date
Industrial Builders, Inc.

Approved By:

Tyler Smith — Date
CH2M Hill Engineer's Inc

AMERICAN ARTSTONE

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New Ulm, MN 56073
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1927 CAST STONE INSTITUTE

Date:	7/29/2016		
Project Description:	Downtown Floodwall	Estimator	Nick Meyer
Project Location:	Fargo, ND	Section:	3450
Contractor/Purchaser:	Industrial Builders	Bid Date:	N/A
Contact Person:	Kerry Meske	Bid Time:	N/A
Architect:	HMG		

Terms & Conditions

CHANGE ORDER IS SUBJECT TO THE ORIGINAL TERMS AND CONDITIONS OF ARTSTONE'S PROPOSAL

ACCEPTANCE

In the event of an add to the original contract price, material **will not** be put into production until this change order in signed and is received by Artstone.

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Pricing Breakdown	Cost
Materials	$ 5,600.00
Shipping	$ 525.00
Total	$ 6,125.00

Price: $ 6,125.00 (Plus Tax)

Purchaser's Add/Deduct I.D.#	N/A
Artstone's Add/Deduct I.D.#	7645-1

SPECIAL CONDITIONS:
This price is to add 30' of cap per detail 7/C-020-16 at 2'-3" wide and 30' of cap per detail 8/C-020-16 at 2'-3" wide.

Accepted: _____
Purchaser (Company Name)

_____
Signature of Office or Proprietor

Date: _____

Authorized By: Nick Meyer
Estimator
Title

Date: _____

Please contact the Estimator listed at the top of this page with any questions.

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 ($)
WP-42F.1S: Industrial Builders Inc.	
Change Order #10	***$32,505.68***

- **WP-42F.1S, 2nd Street North (South of Pump Station) – Disposal of 2B Vault, Differing Subsurface Conditions – Silo Disposal in Case Plaza, and Floodwall Cap Modification**

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	$0.00	$16,184,905.85	$16,184,905.85	08-Oct-15	15-Jun-17	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	$0.00	$16,184,905.85	$16,184,905.85	08-Oct-15	15-Jul-17	Adds 30 days to the Contract Time, revises Interim Milestone A work items, and adds an option for descoping a portion of the Work
Change Order No. 2	$169,490.20	$16,184,905.85	$16,354,396.05	08-Oct-15	15-Jul-17	Incorporates Work revisions to allow work around utility lines
Change Order No. 3	$96,806.17	$16,354,396.05	$16,451,202.22	08-Oct-15	15-Jul-17	Water main, traffic poles, traffic control plan, Milestone A scope
Change Order No. 4	$6,985.96	$16,451,202.22	$16,458,188.18	08-Oct-15	15-Jul-17	Bridge Lighting, concrete disposal, winter traffic control, extend 4th St signal mods requirement
Change Order No. 5	$68,743.01	$16,458,188.18	$16,526,931.19	08-Oct-15	15-Jul-17	Concrete grading within pump station, Unit price change, additional H Pile, bridge abutment seal, traffic signals, bridge abutment concrete disposal and floodwall connections.
Change Order No. 6	89,243.21	16,526,931.19	16,616,174.40	08-Oct-15	15-Jul-17	10 Feet of additional flood wall, incentive and disincentive changes to the Agreement.

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Change Order No. 7	16,378.55	16,616,174.40	16,632,552.95	08-Oct-15	25-Jul-17	Tee Manhole Addition, SS-10 Manhole Revision
Change Order No. 8	257,901.37	16,632,552.95	16,890,454.32	08-Oct-15	25-Jul-17	Differing Subsurface Conditions, floating castings
Change Order No. 9	(55,349.74)	16,890,454.32	16,835,104.58	08-Oct-15	25-Jul-17	Differing Subsurface Condition, Wall Penetrations, CenturyLink Concrete Removal, Furnish and Install Signal Light Pull Boxes, City Hall Construction Accommodation and Misc. Items
Change Order No. 10	32,505.68	16,835,104.58	16,867,610.26	08-Oct-15	25-Jul-17	Disposal of 2B Vault, Differing Subsurface Conditions – Silo Disposal in Case Plaza, and Floodwall Cap Modification

DISCUSSION

Change Order No. 10 adds new and modifies existing scope elements to total an increase of $32,505.68 to the Contract Price. The Change Order consists of the following items:

1. **Disposal of 2B Vault** – The 2B vault was to be located in the sidewalk next to the 2A vault installed in the street. The original design included an air release valve installed in the 2B vault that could be accessed without closing the street. The air release valve did not fit in the 2B vault and so was installed in the 2A vault making the 2B vault obsolete. The Contractor disposed of the vault after determining neither the manufacturer or City of Fargo could not utilize it. The net deduct is the difference between the cost of installation less costs incurred by the contractor. CH2M and HMG have reviewed this cost and find it acceptable. The total cost for this change item is ($511.05).

2. **Differing Subsurface Conditions, Silo Disposal in Case Plaza** – During excavation for floodwall footings, an unanticipated concrete foundation for a silo was discovered. It was removed and disposed of at the Clay County Landfill. The costs cover labor, equipment, material and disposal. CH2M and HMG have reviewed this cost and find it acceptable. The total cost for this change item is $25,444.73.

3. **Floodwall Cap Modification** – City of Fargo personnel requested that the floodwall caps on the project be designed/instatalled with a more aggressive peak, to deter pedestrians from climbing on the floodwall. CH2M and HMG have reviewed this cost and find it acceptable. The total cost for this change item is $7,572.00.

ATTACHMENT(S):

1. Change Order No. 10
2. Contractor's Change Proposal Dated 7/14/2016 (Disposal of 2B Vault, Silo Disposal in Case Plaza and ST8 Cover)
3. Contractor's Change Proposal Dated 7/29/2016 (Floodwall Cap Modification)

Submitted by:

August 2, 2016

John Glatzmaier, P.E.
CH2M
Project Manager
Metro Flood Diversion Project

Date

Keith Berndt, Cass County Administrator
Concur: August 3, 3016 *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: August 8, 2016 *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: _____ *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: August 8, 2016 *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: August 2, 3016 *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: August 3, 3016 *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: August 9, 2016 *Non-Concur:* _____

Change Order No. 10

Date of Issuance:	8/11/2016	Effective Date:	8/11/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42F.1S
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	435534
Contractor:	Industrial Builders, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42F.1S
Project:	Fargo-Moorhead Area Diversion	Contract Name:	Flood Control, 2nd Street North, South of Pump Station

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

Description:

1. DISPOSAL OF 2B VAULT
    a. Deduct cost of $511.05 from one of the structures included in bid item 0009, *F&I Sanitary Manhole Type E Reinf Conc*. The decrease in cost is for breaking up the structure that was not installed and disposing of it as shown in the attached Change Order 109 Unit Price Schedule dated 8/11//2016. It was discovered that there was sufficient space in Vault 2A to accommodate the air release valve, which is planned to be installed as part of a future project. Therefore, removing Vault 2B eliminated a hatch in the sidewalk. The removal of Vault 2B also did not alter or delay the Contractor's Schedule.
2. DIFFERING SUBSURFACE CONDITIONS – SILO DISPOSAL IN CASE PLAZA
    a. Increase Contract Price $25,444.73 to accommodate labor, equipment, material and disposal rates associated with differing subsurface conditions during excavation by modifying bid item *0233 Differing Subsurface Condition* as shown in the attached Change Order 10 Unit Price Schedule Dated 8/11/2016. This change accommodates all costs related to removing an unknown, underground silo within the floodwall footprint. There is no schedule change associated with this change item.
3. FLOODWALL CAPS MODIFICATION
    a. Add lump sum bid item *0241 Floodwall Caps Modification* for $7,572.00 to accommodate the Owner Requested change in the floodwall cap peaks. The attached Change Order 10 Unit Price Schedule dated 8/11/2016 shows the price increase. There is no schedule change associated with this change item.

Attachments:

Change Order 10 Unit Price Schedule Dated 7/14/2016

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: **16,184,905.85**	Original Contract Times: Interim Milestone A: November 30, 2015 Substantial Completion: October 1, 2016 Ready for Final Payment: June 15, 2017
[Increase] [~~Decrease~~] from previously approved Change Orders No. 01 thru 09: **682,752.87**	[Increase] [~~Decrease~~] from previously approved Change Orders No. 01: Interim Milestone A: 37 days Substantial Completion: 37 days Ready for Final Payment: 37 days
Contract Price prior to this Change Order: **16,835,104.58**	Contract Times prior to this Change Order: Interim Milestone A: December 30, 2015 Substantial Completion: November 7, 2016 Ready for Final Payment: July 22, 2017
[Increase] [~~Decrease~~] of this Change Order: **32,505.68**	[~~Increase~~] [~~Decrease~~] of this Change Order:
Contract Price incorporating this Change Order: **16,867,610.26**	Contract Times with all approved Change Orders: Interim Milestone A: December 30, 2015 Substantial Completion: November 7, 2016 Ready for Final Payment: July 22, 2017

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: David Goulet
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date: _____	Date: _____	Date: _____

WP-42F.1S
2nd Street/Downtown Area - In-Town Levees

Change Order 10 Unit Price Schedule
DATE: 8/11/2016

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Remove Sanitary Manhole	EA	15	2,000.00	$ 30,000.00			$ -	15	2,000.00	$ 30,000.00	
0002	Remove Sanitary Lift Station	LS	1	23,000.00	$ 23,000.00			$ -	1	23,000.00	$ 23,000.00	
0003	Remove 10x10 Clay Filled Regulator Pit	EA	1	16,000.00	$ 16,000.00			$ -	1	16,000.00	$ 16,000.00	
0004	Remove 12x10 Sanitary Junction Vault	EA	1	14,000.00	$ 14,000.00			$ -	1	14,000.00	$ 14,000.00	
0005	F&I Sanitary Manhole 4' Dia Reinf Conc	EA	11	5,800.00	$ 63,800.00			$ -	11	5,800.00	$ 63,800.00	
0006	F&I Sanitary Manhole w/Ext Drop 4' Dia Reinf Conc	EA	3	7,100.00	$ 21,300.00			$ -	3	7,100.00	$ 21,300.00	
0007	F&I Sanitary Manhole SS-1	EA	1	27,000.00	$ 27,000.00			$ -	1	27,000.00	$ 27,000.00	
0008	F&I Sanitary Manhole SS-8	EA	1	18,000.00	$ 18,000.00			$ -	1	18,000.00	$ 18,000.00	
0009	F&I Sanitary Manhole Type E Reinf Conc	EA	3	25,500.00	$ 76,500.00	1	$ (511.05)	$ (511.05)	3	25,500.00	$ 75,988.95	
0010	F&I 2-Way Cleanout	EA	1	3,000.00	$ 3,000.00			$ -	1	3,000.00	$ 3,000.00	
0011	F&I Casting - Floating Manhole	EA	1	1,800.00	$ 1,800.00			$ -	1	1,800.00	$ 1,800.00	
0012	Connect Sanitary Pipe to Exist Pipe	EA	1	2,500.00	$ 2,500.00			$ -	1	2,500.00	$ 2,500.00	
0013	F&I Insulation 2" Thick	SY	425	20.00	$ 8,500.00			$ -	425	20.00	$ 8,500.00	
0014	F&I Sanitary Pipe Sch 40 - 4" Dia PVC	LF	21	200.00	$ 4,200.00			$ -	21	200.00	$ 4,200.00	
0015	F&I Sanitary Pipe SDR 26 - 6" Dia PVC	LF	18	120.00	$ 2,160.00			$ -	18	120.00	$ 2,160.00	
0016	F&I Sanitary Pipe SDR 26 - 12" Dia PVC	LF	185	206.00	$ 38,110.00			$ -	185	206.00	$ 38,110.00	
0017	F&I Sanitary Pipe SDR 26 - 18" Dia PVC	LF	251	180.00	$ 45,180.00			$ -	251	180.00	$ 45,180.00	
0018	F&I Sanitary Pipe SDR 26 - 36" Dia PVC	LF	38	350.00	$ 13,300.00			$ -	38	350.00	$ 13,300.00	
0019	F&I Sanitary Pipe w/GB Sch 40 - 4" Dia PVC	LF	38	275.00	$ 10,450.00			$ -	38	275.00	$ 10,450.00	
0020	F&I Sanitary Pipe w/GB SDR 26 - 6" Dia PVC	LF	22	261.00	$ 5,742.00			$ -	22	261.00	$ 5,742.00	
0021	F&I Sanitary Pipe w/GB SDR 26 - 12" Dia PVC	LF	865	470.00	$ 406,550.00			$ -	865	470.00	$ 406,550.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0022	F&I Sanitary Pipe w/GB SDR 35 - 12" Dia PVC	LF	49	300.00	$ 14,700.00			$ -	49	300.00	$ 14,700.00	
0023	F&I Sanitary Pipe w/GB SDR 26 - 15" Dia PVC	LF	95	290.00	$ 27,550.00			$ -	95	290.00	$ 27,550.00	
0024	F&I Sanitary Pipe w/GB SDR 35 - 15" Dia PVC	LF	6	415.00	$ 2,490.00			$ -	6	415.00	$ 2,490.00	
0025	F&I Sanitary Pipe w/GB SDR 26 - 18" Dia PVC	LF	430	420.00	$ 180,600.00			$ -	430	420.00	$ 180,600.00	
0026	F&I Sanitary Pipe w/GB SDR 26 - 36" Dia PVC	LF	30	810.00	$ 24,300.00			$ -	30	810.00	$ 24,300.00	
0027	F&I DI Fittings-Sanitary Force Main	LB	11965	7.00	$ 83,755.00			$ -	11965	7.00	$ 83,755.00	
0028	F&I Sanitary Valve 8" Dia-Plug Valve	EA	1	4,300.00	$ 4,300.00			$ -	1	4,300.00	$ 4,300.00	
0029	F&I Sanitary Valve 16" Dia-Plug Valve	EA	1	9,000.00	$ 9,000.00			$ -	1	9,000.00	$ 9,000.00	
0030	F&I Sanitary Valve 24" Dia-Plug Valve	EA	1	27,000.00	$ 27,000.00			$ -	1	27,000.00	$ 27,000.00	
0031	F&I Sanitary Valve 30" Dia-Plug Valve	EA	1	41,000.00	$ 41,000.00			$ -	1	41,000.00	$ 41,000.00	
0032	F&I Pipe w/GB Class 53-8" Dia DIP (Protecto 401)	LF	10	355.00	$ 3,550.00			$ -	10	355.00	$ 3,550.00	
0033	F&I Sanitary Pipe w/GB DR 25 - 16" Dia PVC	LF	310	330.00	$ 102,300.00			$ -	310	330.00	$ 102,300.00	
0034	F&I Sanitary Pipe w/GB DR 25 - 24" Dia PVC	LF	125	500.00	$ 62,500.00			$ -	125	500.00	$ 62,500.00	
0035	F&I Sanitary Pipe w/GB DR 25 - 30" Dia PVC	LF	795	400.00	$ 318,000.00			$ -	795	400.00	$ 318,000.00	
0036	Remove Sanitary Pipe All Sizes All Types	LF	2249	$ 15.00	$ 33,735.00			$ -	2249	$ 15.00	$ 33,735.00	
0037	Plug Sanitary Pipe 10" Diameter	EA	3	$ 1,150.00	$ 3,450.00			$ -	3	$ 1,150.00	$ 3,450.00	
0038	Plug Sanitary Pipe 12" Diameter	EA	6	$ 1,270.00	$ 7,620.00			$ -	6	$ 1,270.00	$ 7,620.00	
0039	Plug Sanitary Pipe 16" Diameter	EA	1	$ 1,465.00	$ 1,465.00			$ -	1	$ 1,465.00	$ 1,465.00	
0040	Plug Sanitary Pipe 18" Diameter	EA	3	$ 1,660.00	$ 4,980.00			$ -	3	$ 1,660.00	$ 4,980.00	
0041	Abandon Sanitary Manhole	EA	1	$ 2,000.00	$ 2,000.00			$ -	1	$ 2,000.00	$ 2,000.00	
0042	F&I Emergency Overflow Manhole Equipment	LS	1	$ 15,200.00	$ 15,200.00			$ -	1	$ 15,200.00	$ 15,200.00	
0043	F&I 5" Hydrant	EA	5	$ 4,600.00	$ 23,000.00			$ -	5	$ 4,600.00	$ 23,000.00	
0044	Remove Hydrant	EA	4	$ 1,000.00	$ 4,000.00			$ -	4	$ 1,000.00	$ 4,000.00	
0045	F&I Insulation 4" Thick	SY	10	$ 72.00	$ 720.00			$ -	10	$ 72.00	$ 720.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0046	Connect Water Service	EA	1	$ 900.00	$ 900.00			$ -	1	$ 900.00	$ 900.00	
0047	F&I Watermain Pipe C900 DR 18 - 4" Dia PVC	LF	21	$ 70.00	$ 1,470.00			$ -	21	$ 70.00	$ 1,470.00	
0048	F&I Watermain Pipe C900 DR 18 - 6" Dia PVC	LF	89	$ 55.00	$ 4,895.00			$ -	89	$ 55.00	$ 4,895.00	
0049	F&I Watermain Pipe C900 DR 18 - 8" Dia PVC	LF	214	$ 44.00	$ 9,416.00			$ -	214	$ 44.00	$ 9,416.00	
0050	F&I Watermain Pipe w/GB C900 DR 18 - 6" Dia PVC	LF	22	$ 183.00	$ 4,026.00			$ -	22	$ 183.00	$ 4,026.00	
0051	F&I Watermain Pipe w/GB C900 DR 18 - 8" Dia PVC	LF	333	$ 185.00	$ 61,605.00			$ -	333	$ 185.00	$ 61,605.00	
0052	F&I Gate Valve 4" Dia	EA	1	$ 1,350.00	$ 1,350.00			$ -	1	$ 1,350.00	$ 1,350.00	
0053	F&I Gate Valve 6" Dia	EA	9	$ 1,750.00	$ 15,750.00				9	$ 1,750.00	$ 15,750.00	
0054	F&I Gate Valve 8" Dia	EA	2	$ 2,370.00	$ 4,740.00			$ -	2	$ 2,370.00	$ 4,740.00	
0055	F&I Watermain Pipe 1" Dia Copper	LF	3	$ 75.00	$ 225.00			$ -	3	$ 75.00	$ 225.00	
0056	F&I Watermain Pipe w/GB 1" Dia Copper	LF	64	$ 180.00	$ 11,520.00			$ -	64	$ 180.00	$ 11,520.00	
0057	Remove Watermain Pipe All Sizes All Types	LF	1765	$ 17.00	$ 30,005.00			$ -	1765	$ 17.00	$ 30,005.00	
0058	Temporary Water Service (Howard Johnson Hotel)	LS	1	$ 28,000.00	$ 28,000.00			$ -	1	$ 28,000.00	$ 28,000.00	
0059	Plug Watermain Pipe 6" Dia	EA	4	$ 900.00	$ 3,600.00			$ -	4	$ 900.00	$ 3,600.00	
0060	F&I Watermain Fittings Ductile Iron	LBS	6275	$ 8.51	$ 53,400.25			$ -	6275	$ 8.51	$ 53,400.25	
0061	F&I Storm Manhole 4' Dia Reinf Conc	EA	5	$ 2,675.00	$ 13,375.00			$ -	5	$ 2,675.00	$ 13,375.00	
0062	F&I Storm Manhole 7' Dia Reinf Conc	EA	3	$ 15,300.00	$ 45,900.00			$ -	3	$ 15,300.00	$ 45,900.00	
0063	F&I Storm Manhole 8.1	EA	1	$ 22,000.00	$ 22,000.00			$ -	1	$ 22,000.00	$ 22,000.00	
0064	F&I Storm Manhole 8' Dia Reinf Conc	EA	3	$ 16,700.00	$ 50,100.00			$ -	3	$ 16,700.00	$ 50,100.00	
0065	F&I Storm Manhole Type E Reinf Conc	EA	8	$ 54,000.00	$ 432,000.00			$ -	8	$ 54,000.00	$ 432,000.00	
0066	F&I Storm Manhole ST-2 Special Manhole	EA	1	$ 2,465.00	$ 2,465.00			$ -	1	$ 2,465.00	$ 2,465.00	
0067	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	4	$ 2,365.00	$ 9,460.00			$ -	4	$ 2,365.00	$ 9,460.00	
0068	F&I Inlet - Manhole (MHI) 6' Dia Reinf Conc	EA	1	$ 4,000.00	$ 4,000.00			$ -	1	$ 4,000.00	$ 4,000.00	
0069	Raise Storm Sewer Structure	EA	2	$ 3,530.00	$ 7,060.00			$ -	2	$ 3,530.00	$ 7,060.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0070	F&I Inlet - Single Box (SBI) Reinf Conc	EA	9	$ 2,000.00	$ 18,000.00			$ -	9	$ 2,000.00	$ 18,000.00	
0071	F&I Inlet - Triple Box Reinf Conc	EA	2	$ 5,900.00	$ 11,800.00			$ -	2	$ 5,900.00	$ 11,800.00	
0072	F&I Inlet - Bridge Drain	EA	1	$ 5,500.00	$ 5,500.00			$ -	1	$ 5,500.00	$ 5,500.00	
0073	F&I Storm Manhole Type E Crossing Chamber	EA	1	$ 11,000.00	$ 11,000.00			$ -	1	$ 11,000.00	$ 11,000.00	
0074	Connect Storm Pipe to Exist Structure	EA	2	$ 17,000.00	$ 34,000.00			$ -	2	$ 17,000.00	$ 34,000.00	
0075	Connect Storm Pipe to Exist Pipe	EA	1	$ 4,000.00	$ 4,000.00			$ -	1	$ 4,000.00	$ 4,000.00	
0076	Remove Storm Manhole	EA	8	$ 900.00	$ 7,200.00			$ -	8	$ 900.00	$ 7,200.00	
0077	Remove Storm Inlet	EA	22	$ 1,200.00	$ 26,400.00			$ -	22	$ 1,200.00	$ 26,400.00	
0078	Remove Existing Storm Lift Station	LS	1	$ 48,000.00	$ 48,000.00			$ -	1	$ 48,000.00	$ 48,000.00	
0079	Riprap (Outlet)	CY	695	$ 180.00	$ 125,100.00			$ -	695	$ 180.00	$ 125,100.00	
0080	Remove Storm Pipe All Sizes All Types	LF	2283	$ 17.00	$ 38,811.00			$ -	2283	$ 17.00	$ 38,811.00	
0081	F&I Flared End Section 12" Dia Corr Steel	EA	1	$ 272.00	$ 272.00			$ -	1	$ 272.00	$ 272.00	
0082	Box Culvert End Section with Grate	EA	1	$ 160,000.00	$ 160,000.00			$ -	1	$ 160,000.00	$ 160,000.00	
0083	Plug Storm Pipe 4" thru 12" Dia	EA	2	$ 1,600.00	$ 3,200.00			$ -	2	$ 1,600.00	$ 3,200.00	
0084	Plug Storm Pipe 14" thru 24" Dia	EA	1	$ 1,980.00	$ 1,980.00			$ -	1	$ 1,980.00	$ 1,980.00	
0085	Plug Storm Pipe 42" thru 54" Dia	EA	2	$ 3,000.00	$ 6,000.00			$ -	2	$ 3,000.00	$ 6,000.00	
0086	F&I Storm Pipe 12" Dia Reinf Conc	LF	25	$ 64.00	$ 1,600.00			$ -	25	$ 64.00	$ 1,600.00	
0087	F&I Storm Pipe 15" Dia Reinf Conc	LF	49	$ 64.00	$ 3,136.00			$ -	49	$ 64.00	$ 3,136.00	
0088	F&I Storm Pipe 18" Dia Reinf Conc	LF	182	$ 66.00	$ 12,012.00			$ -	182	$ 66.00	$ 12,012.00	
0089	F&I Storm Pipe 24" Dia Reinf Conc	LF	70	$ 77.00	$ 5,390.00			$ -	70	$ 77.00	$ 5,390.00	
0090	F&I Storm Pipe 48" Dia Reinf Conc	LF	47	$ 177.00	$ 8,319.00			$ -	47	$ 177.00	$ 8,319.00	
0091	F&I Storm Pipe 54" Dia Reinf Conc	LF	22	$ 222.00	$ 4,884.00			$ -	22	$ 222.00	$ 4,884.00	
0092	F&I Storm Box Culvert 6'x6' Wide Reinf Conc Cast In Place	LF	100	$ 2,400.00	$ 240,000.00			$ -	100	$ 2,400.00	$ 240,000.00	
0093	F&I Storm Pipe 12" Dia PVC	LF	223	$ 60.00	$ 13,380.00			$ -	223	$ 60.00	$ 13,380.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0094	F&I Storm Pipe w/GB 12" Dia Reinf Conc	LF	42	$ 190.00	$ 7,980.00			$ -	42	$ 190.00	$ 7,980.00	
0095	F&I Storm Pipe w/GB 15" Dia Reinf Conc	LF	74	$ 190.00	$ 14,060.00				74	$ 190.00	$ 14,060.00	
0096	F&I Storm Pipe w/GB 18" Dia Reinf Conc	LF	167	$ 192.00	$ 32,064.00			$ -	167	$ 192.00	$ 32,064.00	
0097	F&I Storm Pipe w/GB 24" Dia Reinf Conc	LF	334	$ 204.00	$ 68,136.00			$ -	334	$ 204.00	$ 68,136.00	
0098	F&I Storm Pipe w/GB 48" Dia Reinf Conc	LF	155	$ 575.00	$ 89,125.00			$ -	155	$ 575.00	$ 89,125.00	
0099	F&I Storm Pipe w/GB 54" Dia Reinf Conc	LF	598	$ 710.00	$ 424,580.00			$ -	598	$ 710.00	$ 424,580.00	
0100	F&I Storm Pipe w/GB 60" Dia Reinf Conc	LF	10	$ 785.00	$ 7,850.00			$ -	10	$ 785.00	$ 7,850.00	
0101	F&I Storm Box Culvert w/GB 6'x6' Wide Reinf Conc Precast	LF	658	$ 1,440.00	$ 947,520.00			$ -	658	$ 1,440.00	$ 947,520.00	
0102	Remove Pavement All Thicknesses All Types	SY	24159	$ 5.00	$ 120,795.00			$ -	24159	$ 5.00	$ 120,795.00	
0103	Remove Sidewalk All Thicknesses All Types	SY	5375	$ 4.00	$ 21,500.00			$ -	5375	$ 4.00	$ 21,500.00	
0104	Excavation (Roadway)	CY	906	$ 4.00	$ 3,624.00			$ -	906	$ 4.00	$ 3,624.00	
0105	Fill - Import (Roadway)	CY	9910	$ 15.00	$ 148,650.00			$ -	9910	$ 15.00	$ 148,650.00	
0106	Subgrade Preparation	SY	12338	$ 0.70	$ 8,636.60				12338	$ 0.70	$ 8,636.60	
0107	F&I Woven Geotextile	SY	12338	$ 2.00	$ 24,676.00				12338	$ 2.00	$ 24,676.00	
0108	F&I Class 5 Agg - 6" Thick	SY	3417	$ 10.00	$ 34,170.00				3417	$ 10.00	$ 34,170.00	
0109	F&I Class 5 Agg - 8" Thick	SY	295	$ 11.00	$ 3,245.00				295	$ 11.00	$ 3,245.00	
0110	F&I Class 5 Agg - 12" Thick	SY	8626	$ 14.00	$ 120,764.00			$ -	8626	$ 14.00	$ 120,764.00	
0111	F&I Edge Drain 4" Dia PVC	LF	3353	$ 11.00	$ 36,883.00				3353	$ 11.00	$ 36,883.00	
0112	F&I Curb & Gutter Standard (Type II)	LF	3622	$ 36.00	$ 130,392.00				3622	$ 36.00	$ 130,392.00	
0113	Remove Curb & Gutter	LF	4528	$ 5.00	$ 22,640.00			$ -	4528	$ 5.00	$ 22,640.00	
0114	F&I Pavement 9" Thick Doweled Conc	SY	7490	$ 98.00	$ 734,020.00			$ -	7490	$ 98.00	$ 734,020.00	
0115	F&I Crushed Conc - 6" Thick	SY	1063	$ 12.00	$ 12,756.00			$ -	1063	$ 12.00	$ 12,756.00	
0116	F&I Aggregate for Asph Pavement FAA 43	TON	1108	$ 83.00	$ 91,964.00				1108	$ 83.00	$ 91,964.00	
0117	F&I Asphalt Cement PG 58-28	GAL	11644	$ 2.50	$ 29,110.00			$ -	11644	$ 2.50	$ 29,110.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0118	F&I Asphalt Cement PG 58-34	GAL	4296	$ 3.00	$ 12,888.00				4296	$ 3.00	$ 12,888.00	
0119	F&I Median Nose - Conc	SY	31	$ 112.00	$ 3,472.00				31	$ 112.00	$ 3,472.00	
0120	F&I Sidewalk 4" Thick Reinf Conc	SY	3017	$ 73.00	$ 220,241.00				3017	$ 73.00	$ 220,241.00	
0121	F&I Sidewalk 6" Thick Reinf Conc	SY	2765	$ 85.00	$ 235,025.00			$ -	2765	$ 85.00	$ 235,025.00	
0122	Temp Construction Entrance	EA	4	$ 3,500.00	$ 14,000.00			$ -	4	$ 3,500.00	$ 14,000.00	
0123	F&I Impressioned 4" Thick Reinf Conc	SY	659	$ 230.00	$ 151,570.00			$ -	659	$ 230.00	$ 151,570.00	
0124	F&I Driveway 6" Thick Reinf Conc	SY	197	$ 85.00	$ 16,745.00			$ -	197	$ 85.00	$ 16,745.00	
0125	F&I Det Warn Panels Cast Iron	SF	284	$ 62.00	$ 17,608.00				284	$ 62.00	$ 17,608.00	
0126	F&I Sign Assembly	EA	26	$ 260.00	$ 6,760.00			$ -	26	$ 260.00	$ 6,760.00	
0127	F&I Engineering Grade	SF	47	$ 32.00	$ 1,491.20			$ -	47	$ 32.00	$ 1,491.20	
0128	F&I Diamond Grade Cubed	SF	39	$ 80.00	$ 3,136.00			$ -	39	$ 80.00	$ 3,136.00	
0129	F&I High Intensity Prismatic	SF	49	$ 74.00	$ 3,648.20			$ -	49	$ 74.00	$ 3,648.20	
0130	F&I Flexible Delineator	EA	24	$ 80.00	$ 1,920.00			$ -	24	$ 80.00	$ 1,920.00	
0131	F&I Grooved Plastic Film Message	SF	352	$ 31.50	$ 11,088.00			$ -	352	$ 31.50	$ 11,088.00	
0132	F&I Grooved Plastic Film 4" Wide	LF	5737	$ 5.20	$ 29,832.40			$ -	5737	$ 5.20	$ 29,832.40	
0133	F&I Grooved Plastic Film 8" Wide	LF	1219	$ 10.40	$ 12,677.60			$ -	1219	$ 10.40	$ 12,677.60	
0134	F&I Grooved Contrast Film 7" Wide	LF	744	$ 9.40	$ 6,993.60			$ -	744	$ 9.40	$ 6,993.60	
0135	Paint Epoxy Line 4" Wide	LF	786	$ 8.40	$ 6,602.40			$ -	786	$ 8.40	$ 6,602.40	
0136	F&I Methacrylate 6" Wide	LF	1040	$ 21.00	$ 21,840.00			$ -	1040	$ 21.00	$ 21,840.00	
0137	F&I Methacrylate 16" Wide	LF	264	$ 36.00	$ 9,504.00			$ -	264	$ 36.00	$ 9,504.00	
0138	F&I Methacrylate 24" Wide	LF	56	$ 53.00	$ 2,968.00			$ -	56	$ 53.00	$ 2,968.00	
0139	Traffic Control - Type 2	LS	1	$ 175,000.00	$ 175,000.00			$ -	1	$ 175,000.00	$ 175,000.00	
0140	Obliterate Pavement Markings	SF	18	$ 8.40	$ 151.20			$ -	18	$ 8.40	$ 151.20	
0141	4" Special Concrete 1	SY	318	$ 152.00	$ 48,336.00			$ -	318	$ 152.00	$ 48,336.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0142	4" Special Concrete 3	SY	48	$ 265.00	$ 12,720.00			$ -	48	$ 265.00	$ 12,720.00	
0143	6" Special Concrete 1	SY	536	$ 165.00	$ 88,440.00			$ -	536	$ 165.00	$ 88,440.00	
0144	6" Special Concrete 2	SY	172	$ 265.00	$ 45,580.00			$ -	172	$ 265.00	$ 45,580.00	
0145	Sloped Planter Edge	LF	309	$ 132.00	$ 40,788.00			$ -	309	$ 132.00	$ 40,788.00	
0146	Rolled Planter Edge	LF	198	$ 130.00	$ 25,740.00			$ -	198	$ 130.00	$ 25,740.00	
0147	Mobilization	LS	1	$ 744,700.00	$ 744,700.00			$ -	1	$ 744,700.00	$ 744,700.00	
0148	Temp Fence - Safety	LF	1929	$ 6.00	$ 11,574.00			$ -	1929	$ 6.00	$ 11,574.00	
0149	F&I Chain Link Fence	LF	1124	$ 16.00	$ 17,984.00			$ -	1124	$ 16.00	$ 17,984.00	
0150	F&I Construction Entrance Gate	EA	4	$ 600.00	$ 2,400.00			$ -	4	$ 600.00	$ 2,400.00	
0151	Temp Pumping	LS	1	$ 90,000.00	$ 90,000.00			$ -	1	$ 90,000.00	$ 90,000.00	
0152	Clear & Grub	LS	1	$ 5,000.00	$ 5,000.00			$ -	1	$ 5,000.00	$ 5,000.00	
0153	Remove Tree	EA	113	$ 360.00	$ 40,680.00			$ -	113	$ 360.00	$ 40,680.00	
0154	Silt Fence - Standard	LF	1368	$ 2.70	$ 3,693.60			$ -	1368	$ 2.70	$ 3,693.60	
0155	Floating Silt Fence	LF	149	$ 27.00	$ 4,023.00			$ -	149	$ 27.00	$ 4,023.00	
0156	Sediment Control Log 10" to 15" Dia	LF	1748	$ 3.50	$ 6,118.00			$ -	1748	$ 3.50	$ 6,118.00	
0157	Inlet Protection - New Inlet	EA	17	$ 270.00	$ 4,590.00			$ -	17	$ 270.00	$ 4,590.00	
0158	Inlet Protection - Existing Inlet	EA	16	$ 160.00	$ 2,560.00			$ -	16	$ 160.00	$ 2,560.00	
0159	Install Tree Grate	EA	4	$ 2,625.00	$ 10,500.00			$ -	4	$ 2,625.00	$ 10,500.00	
0160	Structural Soil Including Drain Tile	LS	1	$ 25,000.00	$ 25,000.00			$ -	1	$ 25,000.00	$ 25,000.00	
0161	Topsoil Import - Special Including Drain Tile	LS	1	$ 22,000.00	$ 22,000.00			$ -	1	$ 22,000.00	$ 22,000.00	
0162	Gateway Monument	EA	2	$ 28,000.00	$ 56,000.00			$ -	2	$ 28,000.00	$ 56,000.00	
0163	15' Cast Stone Bench	EA	3	$ 9,000.00	$ 27,000.00			$ -	3	$ 9,000.00	$ 27,000.00	
0164	30' Cast Stone Bench	EA	2	$ 15,000.00	$ 30,000.00			$ -	2	$ 15,000.00	$ 30,000.00	
0165	Street Lighting	LS	1	$ 150,000.00	$ 150,000.00			$ -	1	$ 150,000.00	$ 150,000.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0166	Plaza Lighting	LS	1	$ 9,000.00	$ 9,000.00			$ -	1	$ 9,000.00	$ 9,000.00	
0167	Remove Fence with Brick Columns (Includes Case Plaza Sign)	LS	1	$ 5,000.00	$ 5,000.00			$ -	1	$ 5,000.00	$ 5,000.00	
0168	Remove and Salvage City of Fargo Sign/Remove Landscaping	LS	1	$ 2,000.00	$ 2,000.00			$ -	1	$ 2,000.00	$ 2,000.00	
0169	Remove Outfall Including Adjacent Concrete Structures	EA	2	$ 21,000.00	$ 42,000.00			$ -	2	$ 21,000.00	$ 42,000.00	
0170	Remove Crosswalk Pavement Markings and Signal from NP Avenue	LS	1	$ 2,000.00	$ 2,000.00			$ -	1	$ 2,000.00	$ 2,000.00	
0171	Remove and Salvage Parking Lot Concrete Stops	EA	120	$ 60.00	$ 7,200.00			$ -	120	$ 60.00	$ 7,200.00	
0172	Remove Landscaped Area (Howard Johnson Hotel)	LS	1	$ 6,500.00	$ 6,500.00			$ -	1	$ 6,500.00	$ 6,500.00	
0173	Remove Concrete Planter	EA	8	$ 80.00	$ 640.00			$ -	8	$ 80.00	$ 640.00	
0174	Remove Sidestreet Grill Sign	LS	1	$ 4,000.00	$ 4,000.00			$ -	1	$ 4,000.00	$ 4,000.00	
0175	Remove Building (Parking Lot Attendant Building)	LS	1	$ 5,000.00	$ 5,000.00			$ -	1	$ 5,000.00	$ 5,000.00	
0176	Remove and Salvage Traffic Signal Equipment - System "A" (2ND ST/4TH AVE N)	LS	1	$ 6,000.00	$ 6,000.00			$ -	1	$ 6,000.00	$ 6,000.00	
0177	Traffic Signal System "A" (2 ST / 1 AVE N)	LS	1	$ 260,000.00	$ 260,000.00			$ -	1	$ 260,000.00	$ 260,000.00	
0178	Traffic Signal System "B" (3 ST / 1 AVE N)	LS	1	$ 235,000.00	$ 235,000.00			$ -	1	$ 235,000.00	$ 235,000.00	
0179	Modify Traffic Signal System "C" (2 ST / NP AVE)	LS	1	$ 105,000.00	$ 105,000.00			$ -	1	$ 105,000.00	$ 105,000.00	
0180	Modify Traffic Signal System "D" (4 ST / 2 AVE N)	LS	1	$ 36,000.00	$ 36,000.00			$ -	1	$ 36,000.00	$ 36,000.00	
0181	Modify Traffic Signal System "E" (4 ST / 3 AVE N)	LS	1	$ 26,000.00	$ 26,000.00			$ -	1	$ 26,000.00	$ 26,000.00	
0182	Modify Traffic Signal System "F" (4 ST / 4 AVE N)	LS	1	$ 38,000.00	$ 38,000.00			$ -	1	$ 38,000.00	$ 38,000.00	
0183	Class 1 Overlay	SY	25	$ 600.00	$ 15,000.00			$ -	25	$ 600.00	$ 15,000.00	
0184	Bridge Concrete Removal	LS	1	$ 45,000.00	$ 45,000.00			$ -	1	$ 45,000.00	$ 45,000.00	
0185	Jersey Barrier Formed or Slipformed	LF	42	$ 230.00	$ 9,660.00			$ -	42	$ 230.00	$ 9,660.00	
0186	Bridge Curb	LF	20	$ 65.00	$ 1,300.00			$ -	20	$ 65.00	$ 1,300.00	
0187	Class AAE-3 Concrete	CY	54	$ 1,500.00	$ 81,000.00			$ -	54	$ 1,500.00	$ 81,000.00	
0188	Compression Seal	LF	180	$ 65.00	$ 11,700.00			$ -	180	$ 65.00	$ 11,700.00	
0189	Structural Steel	LS	1	$ 75,000.00	$ 75,000.00			$ -	1	$ 75,000.00	$ 75,000.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0190	Remove Foundation (Case Plaza and Mid America Steel, Inc.)	LS	1	$ 40,000.00	$ 40,000.00			$ -	1	$ 40,000.00	$ 40,000.00	
0191	F&I Sheet Piling - Steel	SF	470	$ 60.00	$ 28,200.00			$ -	470	$ 60.00	$ 28,200.00	
0192	Topsoil - Strip	CY	4085	$ 2.00	$ 8,170.00			$ -	4085	$ 2.00	$ 8,170.00	
0193	Topsoil - Spread	CY	3429	$ 2.00	$ 6,858.00				3429	$ 2.00	$ 6,858.00	
0194	Embankment	CY	3210	$ 4.00	$ 12,840.00			$ -	3210	$ 4.00	$ 12,840.00	
0195	Fill - Haul	CY	8370	$ 8.00	$ 66,960.00			$ -	8370	$ 8.00	$ 66,960.00	
0196	Inspection Trench	CY	175	$ 12.00	$ 2,100.00			$ -	175	$ 12.00	$ 2,100.00	
0197	Subcut	CY	500	$ 15.00	$ 7,500.00			$ -	500	$ 15.00	$ 7,500.00	
0198	Excavation	CY	1815	$ 9.00	$ 16,335.00			$ -	1815	$ 9.00	$ 16,335.00	
0199	Removal of Contaminated Soil	CY	4220	$ 155.00	$ 654,100.00			$ -	4220	$ 155.00	$ 654,100.00	
0200	Removal of Highly Contaminated Soil	CY	200	$ 160.00	$ 32,000.00			$ -	200	$ 160.00	$ 32,000.00	
0201	Mulching Type 1 - Hydro	SY	20439	$ 0.42	$ 8,584.38				20439	$ 0.42	$ 8,584.38	
0202	Seeding Type B	SY	20439	$ 0.42	$ 8,584.38				20439	$ 0.42	$ 8,584.38	
0203	Overseeding	SY	20439	$ 0.11	$ 2,248.29				20439	$ 0.11	$ 2,248.29	
0204	Weed Control Type B	SY	20439	$ 0.07	$ 1,430.73				20439	$ 0.07	$ 1,430.73	
0205	Removable Floodwall	SF	1475	$ 110.00	$ 162,250.00			$ -	1475	$ 110.00	$ 162,250.00	
0206	F&I Floodwall Reinf Bars - Steel	LB	496765	$ 1.15	$ 571,279.75			$ -	496765	$ 1.15	$ 571,279.75	
0207	F&I Floodwall Reinf Bars - Epoxy Coated Steel	LB	217633	$ 1.30	$ 282,922.90			$ -	217633	$ 1.30	$ 282,922.90	
0208	F&I Floodwall - Structural Conc	CY	3847.37	$ 888.00	$ 3,416,464.56			$ -	3847.37	$ 888.00	$ 3,416,464.56	
0209	Not Used				$ -			$ -			$ -	
0210	Diesel Generator	LS	1	$ 410,000.00	$ 410,000.00			$ -	1	$ 410,000.00	$ 410,000.00	
0211	Generator Foundation Pad	LS	1	$ 40,000.00	$ 40,000.00			$ -	1	$ 40,000.00	$ 40,000.00	
0212	Misc. (fence, etc.)	LS	1	$ 25,000.00	$ 25,000.00			$ -	1	$ 25,000.00	$ 25,000.00	
0213	Health and Safety	LS	1	$ 20,000.00	$ 20,000.00			$ -	1	$ 20,000.00	$ 20,000.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0214	Incentive	LS	1	$ 150,000.00	$ 150,000.00			$ -	1	$ 150,000.00	$ 150,000.00	
0215	Small Utility Work-Around	LS	1	$ 169,490.20	$ 169,490.20			$ -	1	$ 169,490.20	$ 169,490.20	
0216	Traffic Control Revisions and Concrete Barriers for Xcel Lines	LS	1	$ 13,225.02	$ 13,225.02			$ -	1	$ 13,225.02	$ 13,225.02	
0217	F&I Watermain Pipe C900 DR 18 - 10" Dia PVC	LF	792	$ 52.50	$ 41,580.00			$ -	792	$ 52.50	$ 41,580.00	
0218	F&I Watermain Pipe w/GB C900 DR 18 - 10" Dia PVC	LF	682	$ 204.20	$ 139,264.40			$ -	682	$ 204.20	$ 139,264.40	
0219	F&I Gate Valve 10" Dia.	EA	4	$ 4,041.50	$ 16,166.00			$ -	4	$ 4,041.50	$ 16,166.00	
0220	Paint Traffic Signal Poles	EA	9	$ 4,235.00	$ 38,115.00			$ -	9	$ 4,235.00	$ 38,115.00	
0221	Bridge Lighting	LS	1	$ 1,815.00	$ 1,815.00			$ -	1	$ 1,815.00	$ 1,815.00	
0222	Excavated Concrete Disposal	LS	1	$ 1,443.46	$ 1,443.46			$ -	1	$ 1,443.46	$ 1,443.46	
0223	Winter Traffic Control	LS	1	$ 3,727.50	$ 3,727.50			$ -	1	$ 3,727.50	$ 3,727.50	
0224	Pump Station Concrete Grading	LS	1	$ 20,068.90	$ 20,068.90			$ -	1	$ 20,068.90	$ 20,068.90	
0225	Bridge Abutment Seal	LS	1	$ 8,108.33	$ 8,108.33			$ -	1	$ 8,108.33	$ 8,108.33	
0226	Bridge Abutment Concrete Disposal	LS	1	$ 4,256.28	$ 4,256.28			$ -	1	$ 4,256.28	$ 4,256.28	
0227	Additional H-Piling	LS	1	$ 6,587.50	$ 6,587.50			$ -	1	$ 6,587.50	$ 6,587.50	
0228	Traffic Signal modifications	LS	1	$ 29,722.00	$ 29,722.00			$ -	1	$ 29,722.00	$ 29,722.00	
0229	Additional Forming-Step Footing	LS	1	$ 1,608.52	$ 1,608.52			$ -	1	$ 1,608.52	$ 1,608.52	
0230	Wall Cap for Abutment	LS	1	$ 2,843.38	$ 2,843.38			$ -	1	$ 2,843.38	$ 2,843.38	
0231	Tee Manhole Addition	LS	1	$ 13,549.70	$ 13,549.70			$ -	1	$ 13,549.70	$ 13,549.70	
0232	SS-10 Manhole Revision	LS	1	$ 2,828.85	$ 2,828.85			$ -	1	$ 2,828.85	$ 2,828.85	
0233	Differing Subsurface Condition	LS	1	$ 187,675.82	$ 187,675.82	1	$ 25,444.73	$ 25,444.73	1	$ 187,675.82	$ 213,120.55	
0234	Floating Manhole Castings	LS	1	$ 28,473.07	$ 28,473.07			$ -	1	$ 28,473.07	$ 28,473.07	
0235	F&I Sanitary Pipe SDR 26 - 8" Dia PVC	LF	11	$ 150.46	$ 1,655.06				11	$ -	$ 1,655.06	
0236	F&I Sanitary Pipe w/GB SDR 26 - 8" Dia PVC	LF	30	$ 392.46	$ 11,773.80				30	$ -	$ 11,773.80	
0237	Remove Parking Attendant Structure	LS	1	$ 6,615.00	$ 6,615.00				1	$ -	$ 6,615.00	

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees												
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 10)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0238	Wall Penetrations	LS	1	$ 5,980.75	$ 5,980.75				1	$ 5,980.75	$ 5,980.75	
0239	CenturyLink Concrete Removal	LS	1	$ 10,021.00	$ 10,021.00			$ -	1	$ -	$ 10,021.00	
0240	F&I Light Pull Boxes	EA	14	$ 1,100.00	$ 15,400.00			$ -	14	$ -	$ 15,400.00	
0241	Floodwall Caps Modification	EA				1	$ 7,572.00	$ 7,572.00	1	$ 7,572.00	$ 7,572.00	
WP-42F.1S - TOTAL AMOUNT			**CURRENT BUDGET**		**$ 16,835,104.58**	**NET CHANGE**		**$ 32,505.68**	**NEW BUDGET**		**$ 16,867,610.26**	

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CHANGE ORDER REQUEST

Industrial Builders, Inc.
08/02/2016 1:44:24 PM
15274- - 2nd Street Floodwall and Road Relocation

DATE: 7/14/2016
PCO#: 14

To:	Tyler Smith CH2M Hill Engineer's Inc 657 2nd Ave N Fargo, ND 58105-5405	**From:**	David Goulet Industrial Builders, Inc. PO Box 406 Fargo, ND 58107-0406
Phone:	701-566-5470	**Phone:**	701-356-9827
Fax:		**Fax:**	
Email:	tyler.smith@ch2m.com	**Email:**	dgoulet@industrialbuilders.com
CC:			

Below is the detail for our proposal to complete the following changes in contract work:

- PCO: Reiner removal of Vault 2B, Silo Disposal in Case Plaza, and ST8 cover modifications
  - *REVISED 2016/7/20*

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Disposal of 2B Vault	Initiated		1.000	L S	-511.05	-511.05
2 : Silo Disposal in Case Plaza	Initiated		1.000	L S	25444.73	25,444.73
~~3 : ST8 Cover~~	~~Initiated~~		~~1.000~~	~~L S~~	~~4982.66~~	~~4,982.66~~

Submitted By:

David Goulet — 7/20/2016 Date

Approved By:

Tyler Smith
CH2M Hill Engineer's Inc — Date

Draft Print

08/02/2016 1:44:24 PM

REINER CONTRACTING INC.

(Certified DBE/WBE Company)

21541 HWY. 7 WEST
HUTCHINSON, MN 55350
www.reinercontracting.com

Phone 320-587-9886
Fax 320-587-4847

7/13/2016

RE: Disposal of 2B Vault

Cost to dispose of 2 B Vault trucking at	
Foreman for hour @ 121.13 HR	$ 121.13
Operator 2 @ 98.62 HR	$ 197.24
Laborers 3 @ 94.51 HR	$ 283.53
Excavator 390 @ 466.74 HR	$ 466.74
D6K dozer @100.53 HR	$ 100.53
CP 56 Compactor @97.92HR	$ 97.92
Subtotal for not placing structure	($1,267.09)
Cost for Breaking the structure and loading out	
Excavator 390 @ 466.74 ½ hr	$ 233.37
Clay County land fill	$ 130.00
Trucking @ 130.89 at 3 hours	$ 392.67
Subtotal for breaking up structure and removing from site	$ 756.04
Total Saving to Owner for not installing the Vault	($ 511.05)

Sincerely,

Frank Little

Reiner Contracting, Inc.
Change Order for Bin Silo Removal at Case Plaza
7/6 - 7/7/2016

Loading

Date	Employee	Hours	Classification	Rate	Labor Charge	Equipment	Rate	Equipment Charge
7/6/2016	Micheal Hennen	8	Operator	$ 98.62	$ 788.96	336E Excavator	$ 226.29	$ 1,810.32
7/6/2016	Pete Nistler	8	Foreman	$ 121.13	$ 969.04	Volvo 460B Excavator	$ 286.42	$ 2,291.36
7/6/2016	Frank Little	2	Project Mgr	$ 141.10	$ 282.20		$	$
7/7/2016	Micheal Hennen	10	Operator	$ 98.62	$ 986.20	336E Excavator	$ 226.29	$ 2,262.90
7/7/2016	Pete Nistler	9	Foreman	$ 121.13	$ 1,090.17	Volvo 460B Excavator	$ 286.42	$ 2,577.78
7/7/2016	Frank Little	2	Project Mgr	$ 141.10	$ 282.20		$ -	$
7/7/2016						Excavator Hammer(2 days)		$ 1,395.00

Hauling

Employee	Hours	Rate	Hauling Charge	Trailer Style
Steve Vacek	2	$ 130.89	$ 261.78	Sidedump
David Mumm	2	$ 130.89	$ 261.78	Sidedump
Jeremiah Andreoff	2	$ 130.89	$ 261.78	Sidedump
Steve Vacek	9	$ 130.89	$ 1,178.01	Sidedump
David Mumm	10	$ 130.89	$ 1,308.90	Sidedump
Jeremiah Andreoff	10	$ 130.89	$ 1,308.90	Sidedump
Karl Nelson	9.75	$ 130.89	$ 1,276.18	Sidedump
Jerry Hesse	3.5	$ 130.89	$ 458.12	Sidedump

Disposal Costs

Landfill Ticket
$ 65.00
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Reiner Contracting, Inc.
Change Order for Bin Silo Removal at Case Plaza
7/6 - 7/7/2016

Loading

Date	Employee	Hours	Classification	Rate	Labor Charge	Equipment	Rate	Equipment Charge
			Totals		$ 4,398.77			$ 10,337.36
					a			a

Hauling

Employee	Hours	Rate	Hauling Charge	Trailer Style
			$ 6,315.44	
			a	

Disposal Costs

Landfill Ticket
$ 65.00
$ 2,080.00
a

Bin Silo @ Case Plaza Change Order Grand Total $ 23,131.57 = Σa

343
583

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REINER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

21541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

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22538

DRIVER Stephen Vacek COMPANY _____ JOB 15-112

UNIT 20 TRAILER 758 OIL ADDED _____ GALS FUEL 39.00 DATE 7-6-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	655	Job Site		17 yrds	Ag Ind	Ashpalt
2	735	Job Site		17 yrds	Ind Build	Ashpalt
3	830	Job Site		17 yrds	Ind Building	Ashpalt
4	920	Job Site		17 yrds	Ind Building	Ashpalt
5	1010	Job Site		17 yrds	Ind Building	Ashpalt
6	1115	Job Site		17 yrds	Ind Building	Ashpalt
7	1200	Job Site		17 yrds	Ind Building	Ashpalt
8	1255	Job Site	Plaza Demo	17 yrds	Clay Co Demo	~~[illegible]~~ Crap Cond
9	215	Summit Pit		23.05+	Job Site	Class 3
10	315	Job Site		17 yrds	Ind Building	Ashpalt
11	420	Job Site		17 yrds	Ind Building	Ashpalt
12						
13						Grain Bin
14						
15						
16						
17						
18						
19						
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
	615	630	1/4		Pre Trip
20/758	630	645	1/4	1/4	Drive to Job 15-112
20/758	645	515	10 1/2	10 1/2	Haul materials for Fargo Job 15-112
20/758	515	545	1/2	1/2	Fuel Drive to Hotel
	545	645	1		Grease Truck + Trailer 20/758
					Reset Circuit Brakers for tarp
					Called Tylor For Front Seal Drivers
					Side Tire or Hub
	645	700	1/4		Post Trip
TOTAL			12 3/4	11 1/4	

966

REINER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

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22582

21541 Hwy. 7 W • Hutchinson, MN 55350 • 320-587-9886

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DRIVER David Mumm COMPANY _____ JOB 15-112

UNIT 150 TRAILER 750 OIL ADDED _____ GALS FUEL _____ DATE 7-[illegible]-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	6:38	Fargo	15-112	Load	TBI ~~Ag Industries~~	assault
2	7:30					
3	8:27					
4	9:18					
5	10:07					
6	11:08					
7	12:07					
8	1:02	Fargo	15-112	Load Plaza	Land Fill Hanley	concrete/assault
9	2:18	summit pit		~~27.95~~ 27.95	Fargo	Class 3
10	3:21	Fargo		Load	TBI	assault
11	4:18					
12						
13						
14						
15						
16						
17						
18						
19						
20						

Grain Bin

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
18	5:15	5:30	.25	.25	Pre trip
18	5:30	6:15	.75	.75	Drive to Fargo
18	6:15	5:00	11.75	11.75	Haul Assault
18	5:00	5:30	.5	.5	Drive to Moorhead Days Inn
18	5:30	5:45	.25	.25	post trip
TOTAL			13.5	13.5	

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REINER CONTRACTING INC.
TRUCK DRIVERS TIME & LOG

22850

21541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

DRIVER Jeremiah Andreoff COMPANY _____ JOB 15-112

UNIT 34 TRAILER 752 OIL ADDED _____ GALS FUEL _____ DATE 7-16-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	6:49	Fargo	15-112	Load	Agg ind	Asphalt
2	7:35	Fargo	15-112	Load	Landfill	concrete Pipe
3	8:44	Summit Pit	15-112	22.95 tons	Fargo	class 3
4	9:48	Fargo	15-112	Load	Landfill	concrete Pipe
5	11:06	Summit Pit	15-112	23.06 tons	Fargo	class 3
6	12:02	Fargo	15-112	Load	iBi	Asphalt
7	2:56	Fargo	15-112	Load - Can Plane	Landfill	Junk
8	2:13	Summit Pit	15-112	22.95 tons	Fargo	class 3
9	3:25	Fargo	15-112	Load	iBi	Asphalt
10	4:22	Fargo	15-112	Load	iBi	Asphalt
11						
12						
13						Grain Bin
14						
15						
16						
17						
18						
19						
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
34/752	6:15	6:30	.25	.25	Pretrip
	6:30	6:45	.25	.25	Drive to Job
	6:45	5:30	10.75	10.75	Haul Asphalt to Aggregate in, Pipe to Landfill
					class 3 in.
	5:30	6:00	.50	.50	Fuel up, Motel
	6:00	6:15	.25	.25	Post trip
	6:15	6:45	.50	.50	Put New cab filters in + Air conditioner filter in
TOTAL			12.50	12.50	

763

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REITER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

81541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

22539

Grain Bin Case Plaz

DRIVER Stephen Vacek COMPANY _____ JOB 15-112

UNIT 20 TRAILER 758 OIL ADDED _____ GALS FUEL _____ DATE 7-7-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	650	Job Site	Plaza Dem	17 yrds	Clay Co Dem	Basement concrete
2	810	Summit Pit		23107 T	Job Site	Class 3
3	910	Job Site	Plaza Dem	17 yrds	Clay Co Dem	Plaza Dem
4	1025	Job Site	Plaza Dem	17 yrds	Clay Co Dem	Plaza Dem
5	1125	Job Site	Plaza Dem	17 yrds	Clay Co Dem	Plaza Dem
6	1223	Job Site	Grain Bin	17 yrds	Clay Co Dem	Grain Bin
7	130	Job Site	Grain Bin	17 yrds	~~Plaza~~ Clay Co	Grain Bin
8	230	Job Site		17 yrds	~~Plaza~~ Bin Site	Asphalt
9						
10	330	Job Site		17 yrds	Job Site, Plaza	Clay
11	340	" "		17 yrds	Plaza	Clay
12	350			17 yrds		Clay
13	405					
14	415					
15	450					
16	506					
17	510					
18	520					
19	530					
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
	615	630	1/4		Pre Trip
20 758	630	645	1/4	1/4	Drive to Job
20/758	645	545	11	11	Haul Material for Farge Job 15-112
20/758	545	615	1/2	1/2	Drive to Hotel
	615	645	1/2		Put on mud Flap 758 | unhook 758
20	645	715	1/2	1/2	Drive to Freyling | write up
19/758	715	730	1/4	1/4	Drive to Motel
19-758	730	~~745~~	1/4	1/4	Switch Trailers
	745	800	1/4		Pest trip
TOTAL			13 3/4	13 3/4	

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REINER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

22583

21541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

DRIVER David Mumm COMPANY _____ JOB 15-112

UNIT 18 TRAILER 750 OIL ADDED _____ GALS FUEL _____ DATE 7-7-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	7:17	Forge	15-112	Load	landfill Hawley	concrete/gravel
2	8:27	Summit pit	15-112	23.04	Forge	Class 5
3	9:19	Cass Plaza Demo	15-112	Load	landfill Hawley	Demo
4	10:39					
5	12:41					
6	1:44					
7	4:08	Cass Plaza	15-112	Load	IBI	Asault
8	5:09					
9	6:07					
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
18	6:15	6:30	.25	.25	pre trip
18	6:30	7:00	.5	.5	replaced mud flap on trailer 750
18	7:00	7:15	.25	.25	Drive to site
18	7:15	11:30	4.25	4.25	Haul concrete / Haul to land fill
18	11:30	12:15	.75	.75	fixed flats at OK Tire
18	12:15	2:30	2hr	2	Haul concrete / Haul to landfill
18	2:30	3:30	1	1	Fixed Flats on Drive
18	3:30	6:30	3hr	3hr	Haul to IBI, Asault
18	6:30	7:30	1.00	1.00	Drive to get fuel / hotel
18	7:30	7:45	.25	.25	Post trip
TOTAL			12.25	12.25	

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REINER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

22852

31541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

DRIVER Jeremiah Andreoff COMPANY _____ JOB 15-112

UNIT 34 TRAILER 752 OIL ADDED _____ GALS FUEL _____ DATE 7-7-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	6:49	Fargo	Change order	Load	Landfill	Casa Plaza Demo
2	9:00					
3	9:59					
4	11:00					
5	11:56					
6	12:55					
7	2:00					
8	3:05					
9	4:17	Casa Plaza	15-112	Load	Bi	Asphalt
10	5:14					
11	6:05					
12						
13						
14						
15	8:04	Summit Pit	15-112	23.05 tons	Fargo	Class 3
16						
17						
18						
19						
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
34/752	6:15	6:30	.25	.25	Pretrip
	6:30	6:45	.25	.25	Drive to Job
	6:45	7:00	12.25	12.25	Haul Casa Plaza Demo to Landfill, Class 3 in
	7:00	7:30	.50	.50	fuel up, Motel
	7:30	7:45	.25	.25	Post trip
TOTAL			13.50	13.50	

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REIMER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

22479

21541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

DRIVER Karl Nelson COMPANY _____ JOB Change order #3

UNIT 36 TRAILER 759 OIL ADDED _____ GALS FUEL _____ DATE 7/7/16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	702	Jobsite	15-112	Load	CLAY LNDFL	CASE PLAZA CONCRETE DEMO
2	812	Summit 41		22.90	Jobsite	CLASS 3
3	905	Jobsite		Load	CLAY CO LNDFL	CASE PLAZA CONCRETE DEMO
4	1003					CASE PLAZA DEMO CONCRETE DEMO
5	1103					CASE PLAZA DEMO CONCRETE
6	1203					CASE PLAZA DEMO
7	104					CASE PLAZA DEMO
8	207					CASE PLAZA DEMO
9	310					CASE PLAZA DEMO
10	412	Jobsite	15-112	Load	IBI	ASPHALT
11	502					
12	552					
13						
14						
15						
16						
17						
18						
19						
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
36/759	630	645	1/4		Pre Trip
36/759	645	700	1/4	1/4	Travel to Job
36/759	700	300	8	8	CASE PLAZA DEMO DEMO - Job to CLAY LNDFL
36/759	300	400	1	1	CLASS 3 - Summit 41 to Jobsite
36/759	400	700	3	3	ASPHALT - Jobsite to IBI
36/759	700	715	1/4		Fuel
36/759	715	730	1/4	1/4	Travel to motel
36/759	730	745	1/4		Post Trip
TOTAL			13 1/4	12 1/2	

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REINER CONTRACTING INC.
TRUCK DRIVER'S TIME & LOG

22082

21541 Hwy 7 W • Hutchinson, MN 55350 • 320-587-9886

DRIVER Jenny Hesse COMPANY Reiner JOB Fargo

UNIT 35 TRAILER 757 OIL ADDED GALS FUEL DATE 2-7-16

	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
1	7:00	Scott Job	16-101	17yds	Land Fill	Concrete
2	8:30	Summit pit	15-112	23.15 Ton	Pete Job	C-3
3	9:45	Scott Job	16-101	17yds	IBI	Concrete
4						
5	11:00	Case Plaze Demo	15-112	17yds	Land Fill	Demo
6	12:10	"	"	"	"	"
7	1:10	"	"	"	Land Fill	Demo
8						
9	2:25	Plaze	15-112	17yds	IBI	Block Top
10	3:25	Plaze	15-112	17yds	IBI	Block Top
11	4:25	Plaze	15-112	17yds	IBI	Block Top
12	5:25	Plaze	15-112	17yds	IBI	Block Top
13	6:20	Plaze	15-112	17yds	IBI	Back Top
14						
15						
16						
17						
18						
19						
20						

UNIT NO.	TIME START	TIME STOP	MAN HOURS	EQUIP. HOURS	DESCRIPTION OF WORK
35 757	6:00	6:15			Pre Trip
35 757	6:15	6:30			Fix marker Light (757)
	6:30	7:00			Drive to Job site
	7:00	7:15			Hauling on Job sit
	7:15	7:45			put In Fuel Drive to motel
	7:45	8:00			post Trip
			1½ hr		Land Fill From Scott 16-101
			1¼ hr		IBI From Scott 16-101
			1¼ hr		Class B for pete 15-112
			3.25 hr		Land Fill for pete plaze
			4.40 hr		Hauling to IBI from Plaze
35	8.00	8:30			(Struck # 35)
TOTAL			14½		

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-6-16
Weight After $ Time: AM _____ PM _____
Net Weight (R) 65.00 Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # Semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete

Source:
Demolition _____ New Construction _____
Transfer Station ✓ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

249830

C92-1004-JM-2M-6/94

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-6-16
Weight After $ Time: AM _____ PM _____
Net Weight (R) 65.00 Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # Semi 18
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete

Source:
Demolition _____ New Construction _____
Transfer Station ✓ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

249832

C92-1004-JM-2M-6/94

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-6-16
Weight After $65.00 Time: AM _____ PM _____
Net Weight (R) Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete

Source:
Demolition _____ New Construction _____
Transfer Station / Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo.

Driver's Signature: Jeremiah Andreoff

C92-1004-JM-2M-6/94 249831

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $65.00 Time: AM _____ PM _____
Net Weight (R) Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete

Source:
Demolition _____ New Construction _____
Transfer Station / Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94 249835

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $650 Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition ✓ New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo.

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249843

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $650 Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition ✓ New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo.

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249849

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94 249854

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94 249858

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 20
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249863

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After [illegible] Time: AM _____ PM _____
Net Weight (R) Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 18
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition _____ New Construction _____
Transfer Station / Industrial _____
Recycle / Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249838

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 18
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: fgo -

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249844

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 18
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: fgo -

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249850

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 46502 Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 18
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249859

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 46502 Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 18
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94

249864

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $65.00 Time: AM _____ PM _____
Net Weight (R) Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete

Source:
Demolition _____ New Construction _____
Transfer Station _____ Industrial _____
Recycle / Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Jeremiah Andreoff

C92-1004-JM-2M-6/94 249834

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $65.00 Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Jeremiah Andreoff

C92-1004-JM-2M-6/94 249841

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Jeremiah Ondroff

C92-1004-JM-2M-6/94

249846

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle / Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Jeremiah Ondroff

C92-1004-JM-2M-6/94

249851

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Jeremiah Andrascoff

C92-1004-JM-2M-6/94

249855

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Jeremiah Andrascoff

C92-1004-JM-2M-6/94

249865

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $65.52 Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 34
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Jeremiah Andreoff

C92-1004-JM-2M-6/94 249867

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After $65.52 Time: AM _____ PM _____
Net Weight (R) Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete

Source:
Demolition _____ New Construction _____
Transfer Station / Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nelson

C92-1004-JM-2M-6/94 CASE PLAZA DEMO 249836

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nielsen

C92-1004-JM-ZM-6/94 CASE PLAZA DEMO 249842

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65[illegible] Time: AM _____ PM _____
Net Weight 65[illegible] Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nielsen

C92-1004-JM-ZM-6/94 CASE PLAZA DEMO 249847

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 650# Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nielsen

C92-1004-JM-2M-6/94 CASE PLAZA DEMO 249852

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 650# Time: AM _____ PM _____
Net Weight _____ Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nielsen

C92-1004-JM-2M-6/94 CASE PLAZA DEMO 249856

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65^{00} Time: AM _____ PM _____
Net Weight 65^{00} Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: concrete
dirt

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nelson

C92-1004-JM-2M-6/94

CASE PLAZA DEMO 249861

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65^{00} Time: AM _____ PM _____
Net Weight 65^{00} Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Const.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt
concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: Karl Nelson

C92-1004-JM-2M-6/94

CASE PLAZA DEMO 249866

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65 00 Time: AM _____ PM _____
Net Weight 65 Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 36
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: Karl Nelson

C92-1004-JM-2M-6/94 CASE PLAZA DEMO 249868

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 65 00 Time: AM _____ PM _____
Net Weight 65 Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 35
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition / New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo

Driver's Signature: [signature]

C92-1004-JM-2M-6/94 Case Plaze Demo 249853

CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 46500 Time: AM _____ PM _____
Net Weight 46500 Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 35
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition ✓ New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: J. Z.

C92-1004-JM-2M-6/94 249857

Case Plaze Demo

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CLAY DEMOLITION LANDFILL

4 Miles East of Glyndon, MN on Highway 10
Telephone: (218) 498-2430
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
(701) 642-1799

Weight Before _____ Date: 7-7-16
Weight After 46500 Time: AM _____ PM _____
Net Weight 46500 Location _____
Tons _____ Height _____
To Transfer _____ To Landfill _____

Company Name Reiner Cont.
Address _____
State _____
Driver's Name _____
Vehicle License # semi 35
Vehicle Description: Model _____ Year _____
Color _____
Load Description: dirt concrete

Source:
Demolition ✓ New Construction _____
Transfer Station _____ Industrial _____
Recycle _____ Remodeling _____
Address Where Waste Originated: Fgo -

Driver's Signature: J. Z.

C92-1004-JM-2M-6/94 249862

Case Plaze Demo

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Frank Little

From: Bryce Dayhoff <bdayhoff@dsginc.biz>
Sent: Tuesday, July 12, 2016 11:12 AM
To: Frank Little
Subject: FW: (WP-42F.1.S) C-020-50 - Lift Station 2 Bypass (ST 8.1 Piping Detail)

Revised Totals.

191.54 full sticks

30' (3 Pipes @ 10' ea.) - 6" Sch.80 PVC Pipe = $3.37 p/ft. = $101.10 Total
3 (1 Per Pipe) - 6" Hub x MNPT Adaptor = $35.17 ea. = $105.51 Total
6 (2 Per Pipe) - Empire 304SS Fig.95, for 6" IPS Pipe, Wall to Pipe CL of 12" = $70.00 ea. = $420.00 Total
30 (10 Per Hole) - SL-475 EPDM Link Seals w/SS Hardware = $10.95 ea. = $328.50 Total

total 995.55 x 1.075

1070.22

Thanks,

Bryce Dayhoff
Project Manager

DSG Waterworks
Branch 11, Fargo, ND
Office: (701) 237-0222
Direct: (701) 893-3336
Fax: (701) 237-9609

Dakota Supply Group - FKA: Fargo Water Equipment Inc. (FGOH2O)

From: Bryce Dayhoff [mailto:bdayhoff@dsginc.biz]
Sent: Tuesday, July 12, 2016 11:10 AM
To: 'Frank Little'
Subject: RE: (WP-42F.1.S) C-020-50 - Lift Station 2 Bypass (ST 8.1 Piping Detail)

Hi Frank,

30' (3 Pipes @ 10' ea.) - 6" Sch.80 PVC Pipe = $3.37 p/ft. = $101.10 Total
3 (1 Per Pipe) - 6" Hub x MNPT Adaptor = $35.17 ea. = $105.51 Total
6 (2 Per Pipe) - Empire 304SS Fig.95, for 6" IPS Pipe, Wall to Pipe CL of 12" = $70.00 ea. = $140.00 Total
30 (10 Per Hole) - SL-475 EPDM Link Seals w/SS Hardware = $10.95 ea. = $109.50 Total

Thanks,

Bryce Dayhoff
Project Manager

DSG Waterworks
Branch 11, Fargo, ND
Office: (701) 237-0222
Direct: (701) 893-3336

Fax: (701) 237-9609

Draft Print

Dakota Supply Group - FKA: Fargo Water Equipment Inc. (FGI INFO)

08/02/2016 1:44:25 PM

From: Frank Little [mailto:flittle@reinercontracting.com]
Sent: Monday, July 11, 2016 3:00 PM
To: Bryce Dayhoff
Subject: FW: (WP-42F.1.S) C-020-50 - Lift Station 2 Bypass (ST 8.1 Piping Detail)

Bryce,

Please price the 3 6" sch 80 pipe and clamps

Thank you

Frank
Project Manager/Estimator

Phone 320-587-9886
Direct 320-484-2307
F 320-587-4847

Draft Print
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INVOICE DATE	INVOICE NO.
11/03/15	B668718

REMIT TO: DAKOTA SUPPLY GROUP
SDS 12-2439
PO BOX 86
MINNEAPOLIS, MN 55486-2439
701-237-0222

DSG DAKOTA SUPPLY GROUP For all the right connections

CHARGE

DATE ORDERED	DATE SHIPPED	PICK TICKET NO.	WRITTEN BY	CUSTOMER PURCHASE ORDER NO.	JOB NAME
10/14/15	10/21/15	B668718	BKD	HATCHES SS-1 & ST-8.1	LEVEES 2ND ST

SOLD TO: 31968
REINER CONTRACTING INC
21541 HWY 7 WEST
HUTCHINSON, MN
55350

SHIP TO:
REINER CONTRACTING INC
C/O HANCOCK CONCRETE
17 ATLANTIC AVENUE
TAG: REINER-2ND ST.-FARGO
HANCOCK, MN
56244

	DESCRIPTION	QUANTITY ORDERED	UNIT MSR	QUANTITY B/O	QUANTITY SHIPPED	UNIT PRICE	PER	AMOUNT
1	/83303693560 000000 HALLIDAY SERIES H1R ACCESS HATCH - 36" X 36"	2	EA	0	2	903.11	EA	1,806.22

YOUR BUSINESS IS APPRECIATED.
PLEASE CALL IF WE CAN BE OF
ASSISTANCE. THANK YOU.

OLD Hatches

							SUBTOTAL	1,806.22
							OTHER	.00
DLV .00	LBR .00	RESTOCK .00	MSC .00	FRT 250.00			6.875 TAX	124.18

SHIPPED VIA	SHIPPED FROM	DUE DATE	INVOICE TOTAL
BEST WAY			1,930.40 + 250.00

$ 2180.40

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Halliday Products, Inc.
6401 Edgewater Dr.
Orlando, FL 32810
P: 407-298-4470 F: 407-298-4534
Sales@HallidayProducts.com

Price Quotation Number
Q0055055
Date: 07/01/2016
PRICING VALID FOR 90 DAYS

Printed by: Jeff 07/01/16 10:00

Customer: **REI5260**
REINER CONTRACTING INC
DEE DEE
21541 HWY 7 WEST
HUTCHINSON MN 55350

US
Quoted To: **FRANK LITTLE**
Phone: **(320) 587-9886**
Fax:
flittle@reinercontracting.com

Payment Terms:
CIA

Ship Method:
ODFL

Halliday Products Salesperson:
JEFF LOVEJOY

Production Time:
10 TO 12 BUS. DAYS

Freight Estimated To:
REINER CONTRACTING INC

21541 HWY 7 WEST
HUTCHINSON, MN 55350

Job Tag / Reference:

Qty	Item Number	Description	Unit Price	Net Price
1	H1W ACCESS F&C	018048C-B------	641.00	641.00
1	H1W ACCESS F&C	030030C-B------	650.00	650.00

The above aluminum access cover(s) to have channel frame, 1 1/2" drain coupling, T316 s.stl. hardware, hold open arm, recessed lift handle, spring assist, slam lock and H20 load rating. Note: The above H20 rated covers are suitable for offstreet locations where not subject to traffic. Halliday Products recommends protective grating panels on all hatch openings.

Any and all prior or subsequent negotations, documents and agreements between the parties hereto are superseded by the terms set forth in this Price Quotation.

Subtotal		1,291.00
(FL - ONLY)	EXEMPT	0.00
Estimated Freight		425.00
TOTAL		**$1,716.00**

Please see www.HallidayProducts.com for O & M Manuals and Limited Product Warranties

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Your Logo Here

CHANGE ORDER REQUEST

Industrial Builders, Inc.
15274- - 2nd Street Floodwall and Road Relocation

DATE: 7/29/2016
PCO#: 14

To:	Tyler Smith CH2M Hill Engineer's Inc 657 2nd Ave N Fargo, ND 58105-5405	**From:**	David Goulet Industrial Builders, Inc. PO Box 406 Fargo, ND 58107-0406
Phone:	701-566-5470	**Phone:**	701-356-9827
Fax:		**Fax:**	
Email:	tyler.smith@ch2m.com	**Email:**	dgoulet@industrialbuilders.com
CC:			

Below is the detail for our proposal to complete the following changes in contract work:

42F1S : PCO- Wall Cap Revision

- This price includes the new material for 60' of floodwall caps at the end of the floodwall.

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Wall Cap Material	Initiated	Possible	1	LS	7572.00	7,572.00

Notes:

- *Delivery date will be 9 weeks after approved shop drawings*
- *Additional cost will be added if cold weather applications apply*
- *Additional calendar days may be required based on shop drawing approval duration and material delivery.*

Submitted By:

7/29/2016

David Goulet Date

Approved By:

Tyler Smith Date
CH2M Hill Engineer's Inc

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AMERICAN ARTSTONE

Architectural Precast/Cast Stone Manufacturer Since 1914

2025 North Broadway
P.O. Box 425
New Ulm, MN 56073
Phone (507) 233-3700
Fax (507) 354-7771
www.American-Artstone.com

1927 Cast Stone Institute

Date:	7/29/2016		
Project Description:	2nd Street Floodwall	Estimator	Nick Meyer
Project Location:	Fargo, ND	Section:	4720
Contractor/Purchaser:	Industrial Builders	Bid Date:	N/A
Contact Person:	David	Bid Time:	N/A
Architect:	HMG		

Terms & Conditions

CHANGE ORDER IS SUBJECT TO THE ORIGINAL TERMS AND CONDITIONS OF ARTSTONE'S PROPOSAL

ACCEPTANCE

In the event of an add to the original contract price, material **will not** be put into production until this change order in signed and is received by Artstone.

Pricing Breakdown	Cost
Materials	$ 5,600.00
Shipping	$ 525.00
Total	$ 6,125.00

Price: $ 6,125.00 (Plus Tax)

Purchaser's Add/Deduct I.D.#	N/A
Artstone's Add/Deduct I.D.#	7601-2

SPECIAL CONDITIONS:
This price is to add 30' of cap per detail 7/C-020-14 at 2' 5-1/2" wide and 30' of cap per detail 8/C-020-14 at 2' 5-1/2".

Accepted: _____
Purchaser (Company Name)

_____
Signature of Office or Proprietor

Date: _____

Authorized By: _____
Nick Meyer

Estimator
Title

Date: _____

Please contact the Estimator listed at the top of this page with any questions.

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 ($)
Reiner Contracting Inc.	
Change Order #2	***34,568.20***
• WP-42H.2, El Zagal Area Flood Risk Mgmt-Phase 2 – Plugged sanitary gravity line, tree removal, storm manhole repair, standby time due to lift station/forcemain problem	

Summary of Contracting History and Current Contract Action:

BACKGROUND

Reiner was the low responsive bidder for this publically bid project and the Metro Flood Diversion Authority (MFDA) board award the project to Reiner on Feb 26, 2016. The Contract was signed and executed Mar 7, 2016, Notice to Proceed was issued Mar 25, 2016, and field activities started Mar 28, 2016.

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	$0.00	$1,515,798.64	N/A	7-Mar-16	31-Oct-16	Contract Award recommended to lowest responsive bidder, Reiner Contracting Inc.
Change Order No. 1	$26,997.30	$1,515,798.64	$1,542,795.94	7-Mar-16	7-Nov-16	Additional asbestos containing materials abatement.
Change Order No. 2	$34,568.20	$1,542,795.94	1,577,364.14	7-Mar-16	11-Nov-16	Plugged sanitary gravity line, tree removal, storm manhole repair, standby time due to lift station/forcemain problem

DISCUSSION

Change Order No. 2 adds scope, cost, and time to the home demolition work, increasing the Contract Cost by $34,568.20 and adding 4 working days to the Contract Milestones, Substantial Completion and Final Completion dates.

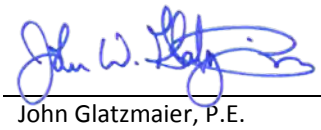
1. **Plugged Sanitary Gravity Line** – An existing sanitary pipe that was expected to be empty was full and required draining by City of Fargo personnel. The process took approximately two hours and left the pipe crew with no work. The Contractor requested standby cost of $2,068.82 for the crew's downtime. CH2M and HMG have reviewed this cost and find it acceptable.

2. **Tree Removal** – The Contractor identified four trees not previously noted on the plans for removal. Three trees required removal for safety reasons (trees were either dead, or dying due to root removal) and one tree required removal because it is in the path of proposed sidewalk to be installed on the contract. Existing bid items cannot be used for this tree removal because the tree removal bid item in the Contract is specifically for the removal of stumps only, not full trees. The Contractor has requested $2,950 for the removal of these trees. CH2M and HMG have reviewed this cost and find it acceptable.
3. **Storm Manhole Repair** – The project scope requires the Contractor to connect to an existing storm manole ST-X east of Elm St. An existing invert on the mahhole structure had previously been damaged and the Contractor uncovered the broken structure during excavation. The City of Fargo requested that the Contractor repair the storm sewer while conducting work associated with the 42H.2 Contract. This change item adds $18,025.25 to the project budget and one working day to to the project schedule to conduct the repair. CH2M and HMG have reviewed this cost and find it acceptable.
4. **Standby Time Due To Lift Station/Forcemain Problem** – The proper operation of the Oak St sanitary lift station is critical to the work schedule for this project because certain scope activities could not occur until the lift station is operational (e.g. concrete driveway east of golf course clubhouse, sanitary gravity pipe, levee construction). While conducting the pump station start-up the pumps did not achieve the required flow-rate due to an obstruction/air block in the discharge piping which had been previously installed under a separate Contract. The lift station did not start-up in the scheduled time frame, the Contractor's pipe crew did not have additional work to conduct on the project, and the activity is on the project schedule critical path; therefore, the Contractor is requesting $11,524.13 and 3 working days of time. CH2M and HMG have reviewed this proposal and find it acceptable.

ATTACHMENT(S):

1. Draft Change Order 02
2. Reiner Change Proposal submittal July 19, 2016 (Plugged Sanitary Gravity Line)
3. Emails Dated July 13, 2016 and July 26, 2016 (Tree Removal)
4. Reiner Change Proposal Dated July 19, 2016 (Storm Manhole Repair)
5. Work Change Directive 002 dated July 7, 2016 (Storm Manhole Repair)
6. Reiner Change Proposal Dated July 1, 2016 (Standby Time Due to Lift Station/Forcemain Problem)

Submitted by:



John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

August 2, 2016
Date

Keith Berndt, Cass County Administrator
Concur: *August 3, 2016* *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: *August 5, 2016* *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: *August 3, 2016* *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: *August 8, 2016* *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: *August 2, 2016* *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: *August 3, 2016* *Non-Concur* _____

Nathan Boerboom, Diversion Authority
Project Manage
Concur: *August 2, 2016* *Non-Concur:* _____

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Change Order No. 02

Date of Issuance:	8/11/2016	Effective Date:	8/11/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	WP-42H.2
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	479407
Contractor:	Reiner Contracting Inc.	Contractor's Project No.:	42H.2
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42H.2
Project:	Fargo-Moorhead Area Diversion	Contract Name:	El Zagal Area Flood Risk Mgmt-Phase 2

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

Description:

1. PLUGGED SANITARY GRAVITY LINE

   This item shall pay for all labor and equipment on standby as a result of a plugged City of Fargo sanitary sewer gravity line. Contractor to be paid $2,068.82 lump sum for this item.

2. TREE REMOVAL

   This item shall pay for all labor, materials and equipment needed to remove and properly dispose two ash trees and one birch tree along Elm Street. Contractor to be paid $2,950.00 lump sum for this item.

3. STORM MANHOLE REPAIR

   This item shall pay for all labor, materials and equipment needed to repair two existing storm pipe connections at the manhole located downstream of the new gatewell structure. Work included, but not limited to, excavation, removal of concrete plugs and pipe segments, installation of rock pipe bedding, installing new pipe with concrete collars at joints, concrete seal at pipe to manhole connections, backfilling, compacting, tree removal of four trees smaller than 6-inch diameter each, etc. Contractor to be paid $18,025.25 lump sum for this item. Add one (1) work day to the Contract Milestones, Substantial Completion and Final Completion dates.

4. STANDBY TIME DUE TO LIFT STATION/FORCEMAIN PROBLEM

   This item shall pay for all labor and equipment on standby as a result of the 6-inch PVC sanitary forcemain showing indications of an obstruction, adversely affecting the new lift station. Contractor to be paid $11,524.13 lump sum for this item. Add (3) three work days to the Contract Milestones, Substantial Completion and Final Completion dates.

Attachments:

- Change Order 02 Unit Price Schedule Dated 8/11/2016

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CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: **1,515,798.64**	Original Contract Times: Milestone 1: May 1, 2016 Milestone 2: August 1, 2016 Substantial Completion: October 1, 2016 Ready for Final Payment: October 31, 2016
[Increase] ~~[Decrease]~~ from previously approved Change Orders **26,997.30**	[Increase] [~~Decrease~~] from previously approved Change Orders Milestone 1: 5 Days Milestone 2: 5 Days Substantial Completion: 5 days Ready for Final Payment: 5 days
Contract Price prior to this Change Order: **1,542,795.94**	Contract Times prior to this Change Order: Milestone 1: May 6, 2016 Milestone 2: August 8, 2016 Substantial Completion: October 7, 2016 Ready for Final Payment: November 7, 2016
[Increase] [~~Decrease~~] of this Change Order: **$34,568.20**	[Increase] [~~Decrease~~] of this Change Order: Substantial Completion: **4 work days** Milestone 2: **4 work days** Ready for Final Payment : **4 work days**
Contract Price incorporating this Change Order: **1,577,364.14**	Contract Times with all approved Change Orders: Milestone 1: Complete Milestone 2: **August 12, 2016** Substantial Completion: **October 13, 2016** Ready for Final Payment: **November 11, 2016**

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: Tom Soucek
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date: _____	Date: _____	Date: _____

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WP-42H.2
El Zagal Area Flood Risk Mgmt - Phase 2

Change Order 1 Unit Price Schedule - Draft
DATE: 4/28/2016

WP-42H.2 - El Zagal Area Flood Risk Mgmt - Phase 2												
ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Abandon Manhole	EA	4.00	430.34	$ 1,721.36				4.00	430.34	$	1,721.36
0002	F&I Manhole 4' Dia Reinf Conc	EA	2.00	5,447.97	$ 10,895.94				2.00	5,447.97	$	10,895.94
0003	F&I Manhole 6' Dia Reinf Conc	EA	1.00	8,215.58	$ 8,215.58				1.00	8,215.58	$	8,215.58
0004	Remove Manhole	EA	1.00	872.26	$ 872.26				1.00	872.26	$	872.26
0005	Plug Pipe 8" Dia	EA	2.00	293.06	$ 586.12				2.00	293.06	$	586.12
0006	Plug Pipe 10" Dia	EA	4.00	293.07	$ 1,172.28				4.00	293.07	$	1,172.28
0007	Plug Pipe 16" Dia	EA	7.00	293.19	$ 2,052.33				7.00	293.19	$	2,052.33
0008	Plug Pipe 30" Dia	EA	2.00	350.07	$ 700.14				2.00	350.07	$	700.14
0009	F&I Pipe SDR 26 - 10" Dia PVC	LF	542.00	67.00	$ 36,314.00				542.00	67.00	$	36,314.00
0010	Remove Pipe All Sizes All Types	LF	215.00	33.57	$ 7,217.55				215.00	33.57	$	7,217.55
0011	F&I Lift Station	LS	1.00	366,475.00	$ 366,475.00				1.00	366,475.00	$	366,475.00
0012	F&I Forcemain 6" Dia	LF	12.00	89.18	$ 1,070.16				12.00	89.18	$	1,070.16
0013	F&I Fittings Ductile Iron	LB	105.00	6.67	$ 700.35				105.00	6.67	$	700.35
0014	F&I Fittings Ductile Iron	LB	115.00	5.75	$ 661.25				115.00	5.75	$	661.25
0015	F&I Hydrant	EA	1.00	5,701.78	$ 5,701.78				1.00	5,701.78	$	5,701.78
0016	Plug Pipe 6" Dia	EA	2.00	405.05	$ 810.10				2.00	405.05	$	810.10
0017	F&I Pipe C900 DR18 - 6" Dia PVC	LF	11.00	53.55	$ 589.05				11.00	53.55	$	589.05
0018	Connect Pipe to Exist Pipe	EA	1.00	716.25	$ 716.25				1.00	716.25	$	716.25
0019	Remove Pipe All Sizes All Types	LF	350.00	12.16	$ 4,256.00				350.00	12.16	$	4,256.00
0020	Abandon Manhole	EA	1.00	358.11	$ 358.11				1.00	358.11	$	358.11
0021	F&I Manhole 4' Dia Reinf Conc	EA	4.00	3,044.06	$ 12,176.24				4.00	3,044.06	$	12,176.24

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WP-42H2 - El Zagal Area Flood Risk Mgmt - Phase 2

ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT
0022	F&I Manhole 5' Dia Reinf Conc	EA	1.00	4,644.60	$ 4,644.60				1.00	4,644.60	$ 4,644.60
0023	F&I Manhole 6' Dia Reinf Conc	EA	2.00	5,637.56	$ 11,275.12				2.00	5,637.56	$ 11,275.12
0024	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	1.00	2,352.05	$ 2,352.05				1.00	2,352.05	$ 2,352.05
0025	F&I Inlet - Manhole (MHI) Type E Reinf Conc	EA	1.00	22,079.52	$ 22,079.52				1.00	22,079.52	$ 22,079.52
0026	F&I Inlet - Round (RDI) Reinf Conc	EA	1.00	1,187.63	$ 1,187.63				1.00	1,187.63	$ 1,187.63
0027	F&I Gatewell	EA	1.00	101,383.76	$ 101,383.76				1.00	101,383.76	$ 101,383.76
0028	Plug Pipe 18" Dia	EA	3.00	381.26	$ 1,143.78				3.00	381.26	$ 1,143.78
0029	Connect Pipe to Existing Structure	EA	1.00	1,701.18	$ 1,701.18				1.00	1,701.18	$ 1,701.18
0030	F&I Pipe 30" Dia Reinf Conc	LF	153.00	79.98	$ 12,236.94				153.00	79.98	$ 12,236.94
0031	F&I Pipe 30" Dia Reinf Conc - CL5	LF	203.00	103.54	$ 21,018.62				203.00	103.54	$ 21,018.62
0032	F&I Pipe 12" Dia Polypropylene	LF	49.00	39.75	$ 1,947.75				49.00	39.75	$ 1,947.75
0033	F&I Pipe 15" Dia Polypropylene	LF	148.00	42.52	$ 6,292.96				148.00	42.52	$ 6,292.96
0034	F&I Pipe 18" Dia Polypropylene	LF	227.00	51.13	$ 11,606.51				227.00	51.13	$ 11,606.51
0035	F&I Pipe 30" Dia Polypropylene	LF	108.00	99.87	$ 10,785.96				108.00	99.87	$ 10,785.96
0036	Remove Pipe All Sizes All Types	LF	142.00	17.06	$ 2,422.52				142.00	17.06	$ 2,422.52
0037	Subgrade Preparation	SY	1,392.00	1.62	$ 2,255.04				1,392.00	1.62	$ 2,255.04
0038	F&I Nonwoven Geotextile	SY	1,392.00	2.08	$ 2,895.36				1,392.00	2.08	$ 2,895.36
0039	Remove Sidewalk 4" Thick Conc	SY	185.00	4.09	$ 756.65				185.00	4.09	$ 756.65
0040	F&I Sidewalk 4" Thick Reinf Conc	SY	1,065.00	50.65	$ 53,942.25				1,065.00	50.65	$ 53,942.25
0041	F&I Det Warn Panels Cast Iron	SF	56.00	51.14	$ 2,863.84				56.00	51.14	$ 2,863.84
0042	Remove Curb and Gutter	LF	605.00	3.26	$ 1,972.30				605.00	3.26	$ 1,972.30
0043	F&I Curb & Gutter Standard (Type I)	LF	95.00	37.29	$ 3,542.55				95.00	37.29	$ 3,542.55
0044	F&I Curb & Gutter Standard (Type II)	LF	607.00	26.10	$ 15,842.70				607.00	26.10	$ 15,842.70
0045	F&I Class 5 Agg - 6" Thick	SY	255.00	9.10	$ 2,320.50				255.00	9.10	$ 2,320.50

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WP-42H2 - El Zagal Area Flood Risk Mgmt - Phase 2

ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT
0046	F&I Class 5 Agg - 8" Thick	SY	317.00	10.60	$ 3,360.20				317.00	10.60	$ 3,360.20
0047	F&I Class 5 Agg - 9" Thick	SY	1,025.00	11.29	$ 11,572.25				1,025.00	11.29	$ 11,572.25
0048	F&I Pavement Mix Base Course Asphalt - 6"	SY	1,025.00	31.45	$ 32,236.25				1,025.00	31.45	$ 32,236.25
0049	F&I Pavement Mix Wear Course Asphalt - 2"	SY	1,025.00	11.19	$ 11,469.75				1,025.00	11.19	$ 11,469.75
0050	F&I Pavement 6" Thick Reinf Conc	SY	255.00	71.39	$ 18,204.45				255.00	71.39	$ 18,204.45
0051	F&I Pavement 7" Thick Reinf Conc	SY	65.00	76.71	$ 4,986.15				65.00	76.71	$ 4,986.15
0052	F&I Pavement 8" Thick Reinf Conc	SY	317.00	83.11	$ 26,345.87				317.00	83.11	$ 26,345.87
0053	Remove Pavement All Thickness Asphalt	SY	85.00	9.87	$ 838.95				85.00	9.87	$ 838.95
0054	Remove Pavement 8" Thick Conc	SY	1,240.00	6.68	$ 8,283.20				1,240.00	6.68	$ 8,283.20
0055	Rem & Rep Pavement 8" Thick Asphalt	SY	105.00	62.37	$ 6,548.85				105.00	62.37	$ 6,548.85
0056	Temp Fence -Safety	LF	700.00	2.82	$ 1,974.00				700.00	2.82	$ 1,974.00
0057	Excavation	CY	3,000.00	4.00	$ 12,000.00				3,000.00	4.00	$ 12,000.00
0058	Fill - CL3	CY	3,000.00	20.10	$ 60,300.00				3,000.00	20.10	$ 60,300.00
0059	Remove Tree	EA	41.00	178.67	$ 7,325.47				41.00	178.67	$ 7,325.47
0060	Remove Landscaping	LS	1.00	881.08	$ 881.08				1.00	881.08	$ 881.08
0061	Remove Driveway All Thicknesses All Types	SY	280.00	4.25	$ 1,190.00				280.00	4.25	$ 1,190.00
0062	Demolition - Structures	EA	8.00	13,612.66	$ 108,901.28				8.00	13,612.66	$ 108,901.28
0063	Demolition - Foundation	EA	8.00	7,440.76	$ 59,526.08				8.00	7,440.76	$ 59,526.08
0064	F&I Decid Tree 1.0"	EA	44.00	202.44	$ 8,907.36				44.00	202.44	$ 8,907.36
0065	F&I Decid Tree 1.5"	EA	66.00	303.66	$ 20,041.56				66.00	303.66	$ 20,041.56
0066	F&I Landscaping	LS	1.00	1,278.56	$ 1,278.56				1.00	1,278.56	$ 1,278.56
0067	F&I Weed Barrier Geotextile	SY	25.00	4.26	$ 106.50				25.00	4.26	$ 106.50
0068	F&I Bullet Edging	LF	70.00	3.20	$ 224.00				70.00	3.20	$ 224.00
0069	Traffic Control - Type 2	LS	1.00	19,224.58	$ 19,224.58				1.00	19,224.58	$ 19,224.58

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WP-42H.2 - El Zagal Area Flood Risk Mgmt - Phase 2

ITEM	DESCRIPTION	UNIT	Current Budget			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT
0070	Topsoil - Strip and Spread	SY	13,350.00	1.95	$ 26,032.50				13,350.00	1.95	$ 26,032.50
0071	Inspection Trench	CY	5,000.00	4.13	$ 20,650.00				5,000.00	4.13	$ 20,650.00
0072	Fill - Import	CY	8,500.00	9.30	$ 79,050.00				8,500.00	9.30	$ 79,050.00
0073	F&I Floodwall - Structural Concrete	CY	132.00	750.06	$ 99,007.92				132.00	750.06	$ 99,007.92
0074	F&I Floodwall - Reinf Bars	LB	18,469.00	1.09	$ 20,131.21				18,469.00	1.09	$ 20,131.21
0075	F&I Floodwall - Safety Cap	LF	56.00	97.04	$ 5,434.24				56.00	97.04	$ 5,434.24
0076	F&I Floodwall - Removable	SF	282.00	174.33	$ 49,161.06				282.00	174.33	$ 49,161.06
0077	Seeding Type B	SY	13,350.00	0.15	$ 2,002.50				13,350.00	0.15	$ 2,002.50
0078	Mulching Type 1 - Hydro	SY	8,800.00	0.37	$ 3,256.00				8,800.00	0.37	$ 3,256.00
0079	Weed Control Type B	SY	13,350.00	0.06	$ 801.00				13,350.00	0.06	$ 801.00
0080	Temp Construction Entrance	EA	3.00	1,975.00	$ 5,925.00				3.00	1,975.00	$ 5,925.00
0081	Silt Fence - Standard	LF	2,126.00	1.76	$ 3,741.76				2,126.00	1.76	$ 3,741.76
0082	Sediment Control Log 6" to 8" Dia	LF	150.00	2.40	$ 360.00				150.00	2.40	$ 360.00
0083	Inlet Protection - New Inlet	EA	6.00	213.09	$ 1,278.54				6.00	213.09	$ 1,278.54
0084	Inlet Protection - Existing Inlet	EA	6.00	191.79	$ 1,150.74				6.00	191.79	$ 1,150.74
0085	F&I Erosion Control Blanket Type 3	SY	4,535.00	1.60	$ 7,256.00				4,535.00	1.60	$ 7,256.00
0086	Concrete Washout Area	EA	1.00	611.83	$ 611.83				1.00	611.83	$ 611.83
0087	Storm Water Management	LS	1.00	2,490.01	$ 2,490.01				1.00	2,490.01	$ 2,490.01
0088	Additional Asbestos Abatement	LS	1.00	26,997.30	$ 26,997.30				1.00	26,997.30	$ 26,997.30
0089	Plugged Sanitary Gravity Line	LS						$ 2,068.82	1.00	2,068.82	$ 2,068.82
0090	Tree Removal	LS						$ 2,950.00	1.00	2,950.00	$ 2,950.00
0091	Storm Manhole Repair	LS						$ 18,025.25	1.00	18,025.25	$ 18,025.25
0092	Standby Time Due to Lift Station/Forcemain Problem	LS						$ 11,524.13	1	11,524.13	$ 11,524.13
	WP-42H.2 - TOTAL AMOUNT		**CURRENT BUDGET**		**$ 1,542,795.94**	**NET CHANGE**		**$ 34,568.20**	**NEW BUDGET**		**$ 1,577,364.14**

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REINER CONTRACTING INC.

(Certified DBE/WBE Company)

21541 HWY. 7 WEST
HUTCHINSON, MN 55350

www.reinercontracting.com

July 19, 2016

To: CH2M
Attn: Loren Wagle
Project: WP 42H.2, El Zagal Area – Phase 2
RE: Price Proposal (revised to reflect negotiations)
Reference: RFI 000009

Mr. Wagle,

The following pricing information is provided being provided per RFI 000009. Our pipe crew progress was delayed for two (2) hours when it was discovered that the existing sanitary sewer system in Oak Street North was backed up and thus we were unable to make the connection to the system until the situation was resolved. Fortunately for everyone, the City of Fargo was able correct the problem before any residential damage occurred.

DESCRIPTION	HOURS	UNIT PRICE	TOTAL EQUIP	TOTAL LABOR
Foreman w/Pickup	2.0	113.30		226.60
Operator (x2)	4.0	92.81		371.24
Laborer (x2)	4.0	88.41		353.64
CAT 374D Excavator	2.0	282.53	565.06	
CAT D6K	2.0	88.14	176.28	
CAT 950 Loader	2.0	93.31	186.62	
Compac T84 Roller	2.0	67.42	134.84	
Trench Box	2.0	27.27	54.54	
		Subtotal	**$1,117.34**	**$951.48**

TOTAL CHANGE PROPOSAL: $2,068.82

Contract time associated with the delay is negligible. Please contact me if any further information is required.

Respectfully,
Thomas A. Soucek
Tom Soucek
Project Manager

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Buck, David/FMH 08/02/2016 11:13:37 AM

From: Tom Soucek <toms@reinercontracting.com>
Sent: Wednesday, July 13, 2016 4:56 PM
To: Brett Bailly
Subject: RE: Fargo 42H2 El Zagal Ph 2 - tree removal

Brett,

Please add $200 for the removal and disposal of the Birch tree as discussed. Thus the new total is $2,000.00. They are clearing the big ones as I write this message and I told them to take the Birch while they are there.

Tom Soucek
Reiner Contracting
320-484-2318 (Direct)
320-552-3769 (Cell)
320-587-4847 (Fax)

From: Brett Bailly [mailto:BBailly@mooreengineeringinc.com]
Sent: Wednesday, July 13, 2016 2:25 PM
To: Tom Soucek <toms@reinercontracting.com>
Cc: David Buck (David.Buck@ch2m.com) <David.Buck@ch2m.com>; Kurt Lysne <KLysne@mooreengineeringinc.com>
Subject: RE: Fargo 42H2 El Zagal Ph 2 - tree removal

Tom

Reiner is authorized to remove the trees, but we have not yet agreed to the price. I expect to be reviewing that shortly. I am wrapping up the spot elevation information for Houston's staking of pavement. I should have that out within the hour. Then I will look at the tree quote and will get back to you.

Brett Bailly, PE
Senior Project Engineer
moore engineering, inc.

Phone 701.282.4692 | Fax 701.282.4530
Direct 701.499.5841 | Cell 701.429.0652
925 10th Ave E, West Fargo, ND 58078
bbailly@mooreengineeringinc.com | www.mooreengineeringinc.com

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From: Tom Soucek [mailto:toms@reinercontracting.com]
Sent: Wednesday, July 13, 2016 2:14 PM
To: Brett Bailly
Cc: David Buck (David.Buck@ch2m.com)
Subject: RE: Fargo 42H2 El Zagal Ph 2 - tree removal

Gentlemen,

Frank Ripka understood the we are authorized to proceed with the tree removal for the price below. Please confirm.

Thank you,

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Tom Soucek
Reiner Contracting
320-484-2318 (Direct)
320-552-3769 (Cell)
320-587-4847 (Fax)

From: Tom Soucek
Sent: Wednesday, July 13, 2016 11:31 AM
To: 'Brett Bailly' <BBailly@mooreengineeringinc.com>
Cc: David Buck (David.Buck@ch2m.com) <David.Buck@ch2m.com>
Subject: RE: Fargo 42H2 El Zagal Ph 2 - tree removal

Brett,

David requested that I send the anticipated cost of the tree removal per the message below. Cougar Tree Care has provided a price of $1,200.00 to cut, haul and dispose of the two trees. They will require the assistance of our excavator to take down the trees and remove the stumps.

Quote total to remove these two trees is $1,800.00. With your direction, we will take them out right away.

Thank you,

Tom Soucek
Reiner Contracting
320-484-2318 (Direct)
320-552-3769 (Cell)
320-587-4847 (Fax)

From: Brett Bailly [mailto:BBailly@mooreengineeringinc.com]
Sent: Monday, July 11, 2016 10:50 AM
To: Jonathan.J.Sobiech@usace.army.mil
Cc: Kurt Lysne <KLysne@mooreengineeringinc.com>; Nathan Boerboom <NBoerboom@cityoffargo.com>; Robert J Hasey <RHasey@cityoffargo.com>; david.buck@ch2m.com; Tom Soucek <toms@reinercontracting.com>
Subject: Fargo 42H2 El Zagal Ph 2 - tree removal

Hi Jonathan,

Per our phone call this morning (7-11-2016), the USACE will allow the removal of the two trees shown in the attached photo, adjacent to the floodwall trench (filled with water in the photo). The tree removals are necessary for safety reasons. If this does not meet with your understanding, please let us know.

The tree removal date restriction has been modified to not be allowed between June1 and July 31. This was negotiated between the USACE and the federal Fish and Wildlife Service. If this is also not correct, please let us know

Background:
The trees were intended to be removed last fall, when the city had other trees removed from the project. These trees were missed. The contractor excavated trenches to install sanitary sewer and storm sewer piping. The tree roots were cut. Additional roots were cut to install another trench in preparation for construction of a floodwall foundation. With the rains we received in the past 48 hours (approximately three to four inches), we are concerned the trees will fall over. High winds are forecast for tomorrow.

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We have tried to look for bats and have not seen any in the eave or other nearby trees.

Thank you.

Brett Bailly, PE
Senior Project Engineer
moore engineering, inc.

Phone 701.282.4692 | Fax 701.282.4530
Direct 701.499.5841 | Cell 701.429.0652
925 10th Ave E, West Fargo, ND 58078
bbailly@mooreengineeringinc.com | www.mooreengineeringinc.com

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Buck, David/FMH 08/02/2016 11:13:37 AM

From: Brett Bailly <BBailly@mooreengineeringinc.com>
Sent: Tuesday, July 26, 2016 11:02 AM
To: Smith, Tyler/FMH
Cc: Buck, David/FMH
Subject: FW: 42H2 El Zagal Phase 2 - tree removal and asphalt paving [EXTERNAL]

Hi Tyler,

See email chain below. Can the additional tree be added to change order no. 2?

Brett Bailly, PE
Senior Project Engineer
moore engineering, inc.

Phone 701.282.4692 | Fax 701.282.4530
Direct 701.499.5841 | Cell 701.429.0652
925 10th Ave E, West Fargo, ND 58078
bbailly@mooreengineeringinc.com | www.mooreengineeringinc.com

---

From: Kurt Lysne
Sent: Tuesday, July 26, 2016 10:58 AM
To: Brett Bailly
Subject: RE: 42H2 El Zagal Phase 2 - tree removal and asphalt paving

Talk to CH2M and see if we can add it to the current Change Order No. 2.

Kurt Lysne, PE, CFM
Water Resources Group Leader
moore engineering, inc.

Phone 701.282.4692 | Fax 701.282-4530
Direct 701.499.5856
925 10th Ave E, West Fargo, ND 58078
klysne@mooreengineeringinc.com | www.mooreengineeringinc.com

From: Brett Bailly
Sent: Tuesday, July 26, 2016 10:35 AM
To: Kurt Lysne
Subject: FW: 42H2 El Zagal Phase 2 - tree removal and asphalt paving

Kurt,

See email below. I have no objection to the price quote. Do we need anyone else's input?

Brett Bailly, PE
Senior Project Engineer
moore engineering, inc.

Phone 701.282.4692 | Fax 701.282.4530

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Direct 701.499.5841 | Cell 701.429.0052
925 10th Ave E, West Fargo, ND 58078
bbailly@mooreengineeringinc.com | www.mooreengineeringinc.com

From: Tom Soucek [mailto:toms@reinercontracting.com]
Sent: Tuesday, July 26, 2016 10:30 AM
To: Brett Bailly
Subject: RE: 42H2 El Zagal Phase 2 - tree removal and asphalt paving

Brett,

$950.00 for the complete removal of the tree that is in the way of the new sidewalk. The work will be done on August 1 or later.

Tom Soucek
Reiner Contracting
320-484-2318 (Direct)
320-552-3769 (Cell)
320-587-4847 (Fax)

From: Tom Soucek
Sent: Tuesday, July 26, 2016 8:58 AM
To: 'Brett Bailly' <BBailly@mooreengineeringinc.com>
Subject: RE: 42H2 El Zagal Phase 2 - tree removal and asphalt paving

Brett,

The asphalt patches will be done today. I will get you a price on the tree.

Tom Soucek
Reiner Contracting
320-484-2318 (Direct)
320-552-3769 (Cell)
320-587-4847 (Fax)

From: Brett Bailly [mailto:BBailly@mooreengineeringinc.com]
Sent: Tuesday, July 26, 2016 8:50 AM
To: Tom Soucek <toms@reinercontracting.com>
Cc: Kurt Lysne <KLysne@mooreengineeringinc.com>; david.buck@ch2m.com; tyler.smith@ch2m.com; Loren.Wagle@CH2M.com; Paul Bervik <PBervik@mooreengineeringinc.com>; Brady Woodard <BWoodard@mooreengineeringinc.com>
Subject: 42H2 El Zagal Phase 2 - tree removal and asphalt paving

Tom,

Below is an image. It is my understanding that the asphalt paving subcontractor wants $300 extra, due to an extra mobilization, to pave the two asphalt areas shown by red arrows separately from the paving of Elm Street. If this information is correct, we will pay the additional $300. Reiner has permission to pave the Trefoil Park access road patch locations.

In the image below is a cyan colored arrow. This tree was not shown originally to be removed, but must be removed if a ten foot wide concrete path is to be installed. The original concrete sidewalk at that location was

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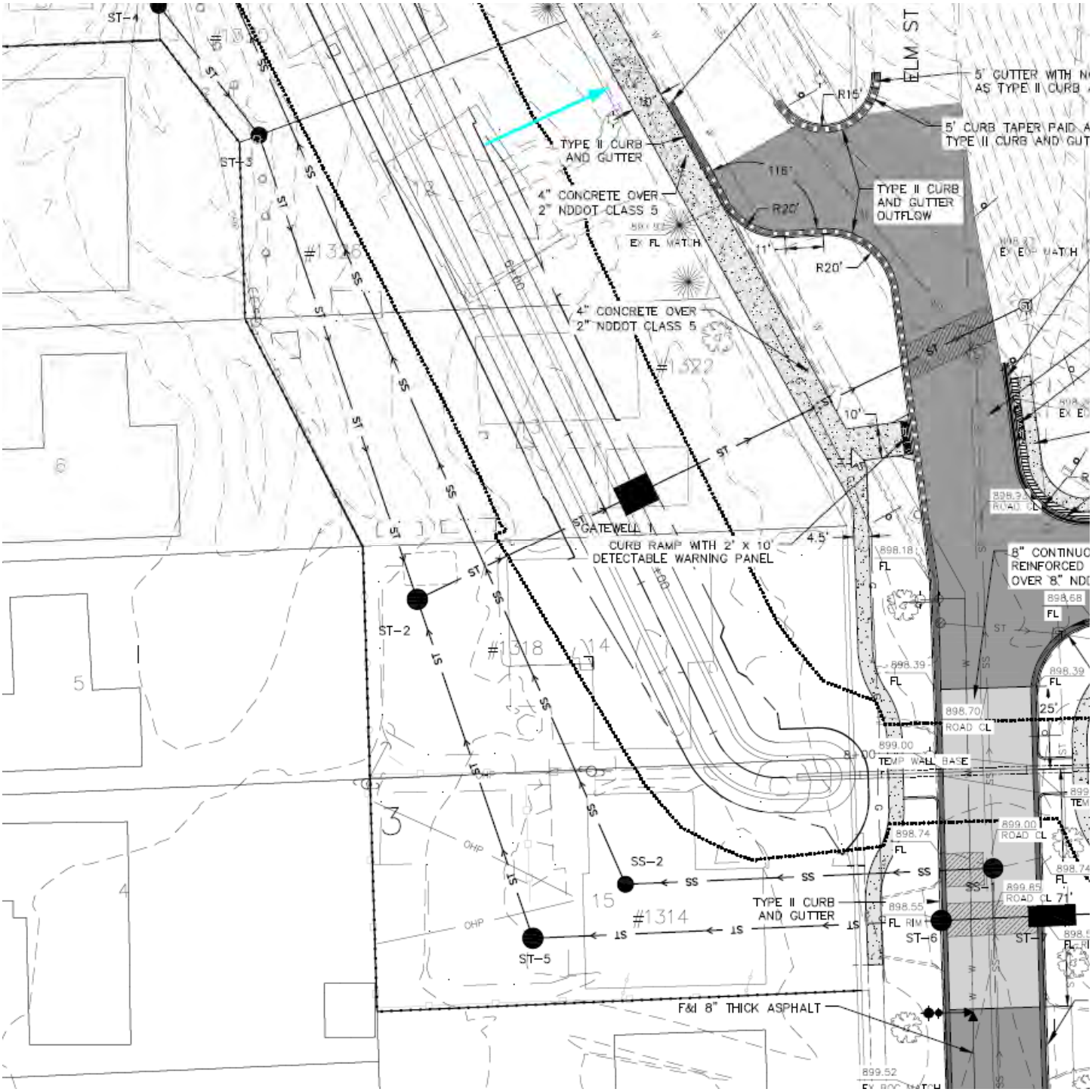
about five feet wide, but the city wants a wider path. The new path is shown as ten feet wide, which necessitates the removal of the tree shown. Reiner will have permission to remove this tree starting August 1st, but not before. We will have to negotiate a price for the removal of this tree.

Contact me at your convenience.



Brett Bailly, PE
Senior Project Engineer
moore engineering, inc.

Phone 701.282.4692 | Fax 701.282.4530
Direct 701.499.5841 | Cell 701.429.0652

925 10th Ave E, West Fargo, ND 5[illegible]
bbailly@mooreengineeringinc.com | www.mooreengineeringinc.com
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FLOOD DIVERSION AUTHORITY

METRO FLOOD DIVERSION PROJECT

WORK CHANGE DIRECTIVE

002

TO: Reiner (Tom Soucek Project Manager) PROJECT NO.: WP-42H.2

PROJECT: El Zagal Area Flood Risk Management – Phase 2

OWNER: Metro Flood Diversion Authority

ENGINEER: Houston Moore Group

OWNER'S REPRESENTATIVE: CH2M

DESCRIPTION OF WORK:

Excavate to the base of the existing storm manhole, located downstream of the gatewell structure. Remove three existing pipe segments that drain to the river (northeast pipe) and replace them with new pipes. The existing northeast pipe is lower than the manhole invert. Chip out some of the concrete at the existing manhole invert to set the pipe in the manhole. Place crushed rock bedding to support the pipe between the existing manhole and new pipe. Connect the new pipe to the old pipe at an offset angle. Encase the joint at the manhole/pipe connection in a rebar cage of #3 bars, 12" on center, each way, and seal the joint. Pour a concrete collar around the around the pipe joint from the new pipe to existing. Pour concrete for a new manhole invert.

It appears that there was a previously attempted joint repair on the south pipe also. Remove existing patch concrete along with cutting the old pipe out from the manhole wall. Connect a new pipe to the existing storm sewer and patch the manhole wall with concrete. Only one stick of pipe is estimated to be needed to do this repair. Pour a concrete collar around the pipe joint from new pipe to existing. Crushed rock to be used to support the pipe between the connection point from the existing storm sewer pipe to the south and the manhole wall.

REASON FOR CHANGE(S):

Existing storm sewer pipes have settled in relation to the pipe connection locations in the manhole, causing the pipe to have sheared. This occurred sometime in the past. Now is the opportunity to correct the problem.

ATTACHMENTS (List Supporting Documents):

DESIGN IMPACT (List Impacts):

Is the described change outside of the design parameters? ☐ Yes / ☒ No

If yes, DOR and USACE signoff are required and documented below:

[Name], P.E. *Designer of Record*	*Date*	*[Name]* *USACE PM*	*Date*

It is understood that this Work Change Directive will not change the Contract Price or Times, but is evidence that the parties expect a Change Order to be subsequently issued reflecting the changes.

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Recommended by:

CH2M

Owner's Representative

Tyler Smith, P.E.
Construction Services Manager

7/6/16
Date

Ordered by:

Metro Flood Diversion Authority

Owner

Darrell Vanyo
Board Chair

7-7-16
Date

Copy: Owner
Designer of Record
USACE
Owner's Representative

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REINER CONTRACTING INC.
(Certified DBE/WBE Company)

21541 HWY. 7 WEST
HUTCHINSON, MN 55350

www.reinercontracting.com

July 19, 2016

To: CH2M
Attn: David Buck
Project: WP 42H.2, El Zagal Area – Phase 2
RE: REVISED Change Proposal – Storm Sewer Repair
Reference: Work Change Directive 002

Mr. Buck,

The work associated with Work Change Directive 002 was competed on Friday July 8, 2016. Four trees were removed to facilitate the repair. A total of five 30-inch pipe segments were replaced (40 LF). Three segment of the outfall (northeast side) as described in the work directive were replaced. Two segments on the existing influent (south side) were replaced in lieu of the one segment described in the work directive. We needed to replace two segments to gain enough space to safely make a sound repair. Construction joints were poured-in-place (concrete collars) at the points of connection and 1-1/2" foundation rock was utilized as directed. We also used three loads of Class 3 bedding/backfill. As anticipated, there was a lot of jackhammering required. The crew spent 11.5 hours performing the repair.

TOTAL CHANGE PROPOSAL: $18,025.25 and 1-day Contract time

The following pages shows the revised breakdown of the costs. Invoices and backup information were included in the original Change Proposal dated July 13, 2016.

Please contact me with any questions or for further information.

Respectfully,
Thomas A. Soucek
Tom Soucek
Project Manager

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42H2 - EL ZAGAL AREA, PHASE 2 08/02/2016 11:13:37 AM

WORK CHANGE DIRECTIVE 002 COST BREAKDOWN

Revised 7-19-16 to reflect negotiated modification

LABOR & EQUIPMENT

DESCRIPTION	QTY	REG RATE	OT HR	OT RATE	TOTAL
Foreman		100.78	11.5	126.63	1,456.25
Operator	2.5	77.96	9	103.10	1,122.80
Operator	2.5	77.96	9	103.10	1,122.80
Laborer	2.5	75.01	9	98.81	1,076.82
Laborer	2.5	75.01	9	98.81	1,076.82
CAT 374D L Excavator	11.5	393.24			4,522.26
CAT 950H Loader	6	100.64			603.84
CAT D6K LGP Dozer	6	128.80			772.80
CAT CP-563E Roller	7	100.17			701.19
Kubota SVL 90-2	7	75.25			526.75
Air Compressor	6	19.49			116.94
				L & E TOTAL:	**13,099.26**

MATERIALS

DESCRIPTION	QTY	Unit	Unit Price	TOTAL
30" RC Hwy Pipe	1	LS	1,124.77	1,124.77
Rebar for Constr Joint	1	LS	247.25	247.25
1-1/2" Rock	23.04	Ton	29.09	670.23
Class 3 bedding/Backfill	69	Ton	9.20	634.80
Concrete Ready-Mix	1	LS	619.20	619.20
Rented Jackhammer (Day)	1	Day	74.18	74.18
			Subtotal	3,370.43
			Markup @ 15%	505.57
			MATERIAL TOTAL:	**3,876.00**

SUBCONTRACTORS

DESCRIPTION	QTY	Unit	Unit Price	TOTAL
Tree Removal	1	LS	1,000.00	1,000.00
			Subtotal	1,000.00
			Markup @ 5%	50.00
			TOTAL SUBCONTRACTOR:	**1,050.00**

TOTAL WORK CHANGE DIRECTIVE 002: **18,025.25**

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REINER CONTRACTING INC.
(Certified DBE/WBE Company)

21541 HWY. 7 WEST
HUTCHINSON, MN 55350

www.reinercontracting.com

July 1, 2016

To: CH2M
Attn: David Buck
Project: WP 42H.2, El Zagal Area – Phase 2
RE: Change Proposal - Existing Forcemain/Pump situation

Mr. Buck,

Please consider this letter as our request for an adjustment in both contact price and contract time to address time spent waiting for resolution on the existing sanitary discharge systems restriction as documented in previous correspondence.

Startup of the lift station proceeded according to the contract documents on Thursday June 23 and was completed at the end of the day. As described in subsequent correspondence, the existing system that we connected to would not allow the adequate flow from the lift station. On Friday June 24, we assisted in troubleshooting the problem in an effort to allow the connection to the existing Elm Street North Sanitary Main and proceed with subsequent actvities. The crew was productive until 10:00 am preparing for the connection. At 1:00 pm, the crew was sent home as it became apparent that this resolution was not forthcoming.

Change pricing as follows:

DATE	DESCRIPTION	QTY	OT RATE	STANDBY RATE	TOTAL
24-Jun	CAT 374D L Excavator	6		242.32	1,453.92
24-Jun	CAT 950H Loader	6		62.24	373.44
24-Jun	CAT D6K LGP Dozer	6		86.16	516.96
24-Jun	2008 CAT CP-563E Roller	6		60.77	364.62
24-Jun	Foreman	3	126.63		379.89
24-Jun	Operator (2)	6	103.10		618.60
24-Jun	Laborer (2)	6	98.81		592.86
27-Jun	CAT 374D L Excavator	8		242.32	1,938.56
27-Jun	CAT 950H Loader	8		62.24	497.92
27-Jun	CAT D6K LGP Dozer	8		86.16	689.28
27-Jun	2008 CAT CP-563E Roller	8		60.77	486.16
28-Jun	CAT 374D L Excavator	8		242.32	1,938.56
28-Jun	CAT 950H Loader	8		62.24	497.92
28-Jun	CAT D6K LGP Dozer	8		86.16	689.28
28-Jun	2008 CAT CP-563E Roller	8		60.77	486.16
					11,524.13

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Verbal notice of standby was provided in our phone conversation on the morning of Friday June 24th. Just afternoon on the 24th, it became clear that we would not be able to proceed further and an official notice was provided via email as well as documentation via RFI #000014, which was sent via the Aconex Management System. Thus the above duration on June 24 includes manpower onsite from 10:00 am to 1:00 pm.

Field Order 001 was received at approximately 2:00 pm on Tuesday June 28 and we were able to relocate our manpower back to the site resume activities first thing Wednesday morning.

In addition to the dollar amount of $11,524.13 shown above, 3-days of additional contract time is requested.

Respectfully,
Thomas A. Soucek
Tom Soucek
Project Manager

Technical Advisory Group Recommendation

Meeting Date: 8/2/2016

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 ($)
WP-42I.1: Industrial Builders, Inc.	
Change Order #2	***$6,079.00***
WP-42I.1, Mickelson Levee Extension – Scope and budget for removal of concrete swimming pool at 16 North Terrace, additional asbestos abatement.	

Summary of Contracting History and Current Contract Action:

BACKGROUND

Industrial Builders, Inc. (IBI) was the low responsive bidder for this publically bid project and the Metro Flood Diversion Authority (MFDA) board awarded the project to IBI on Feb 26, 2016. The Contract was signed and executed Mar 10, 2016, and field activities started May 3, 2016.

Original Agreement or Amendment	Budget ($) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	$0.00	$659,910.00	N/A	10-Mar-16	15-Oct-16	Contract Award recommended to lowest responsive bidder, IBI.
Change Order No. 1	$65,000	$659,910.00	$724,910.00	10-Mar-16	15-Oct-16	Additional asbestos containing materials abatement.
Change Order No. 2	$6,079	$724,910.00	$730,989.00	10-Mar-16	15-Oct-16	Additional asbestos containing materials abatement at 18 N Terrace, remove concrete swimming pool at 16 North Terrace

DISCUSSION

Change Order No. 3 adds scope and cost to the site work, increasing the project cost $6,079.00

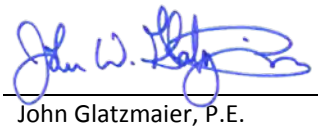
1. **Removal of Concrete Swimming pool at 16 North Terrace** – While performing residential demolition and site work at 16 North Terrace, Contractor un-earthed a concrete swimming pool that had been previously buried. Industrial Builders labor and equipment rates for described work are attached. The Contractor is requesting an additional $4,511.00 be added to the Contract cost as a result of this change item. CH2M and HMG have reviewed this cost and find it appropriate.

2. **Additional Asbestos Abatement** – While conducting asbestos abatement work on 18 N Terrace, the Contractor encountered additional asbestos containing material not previously identified. This material had been covered previously and could not be found until portions of the home were demolished. Terracon sampled the material and confirmed that it was asbestos containing. The Contractor is requesting an additional $1,568 be added to the Contract cost as a result of this change item. CH2M and Terracon have reviewed this cost and find it appropriate.

ATTACHMENT(S):

1. Draft Change Order No. 2
2. Industrial Builders, Inc Time and Material negotiated price proposal for Removal of Concrete Swimming Pool at 16 North Terrace
3. Change proposal email dated 8/2/2016

Submitted by:



John Glatzmaier, P.E.
CH2M HILL
Project Manager
Metro Flood Diversion Project

August 2, 2016
Date

Keith Berndt, Cass County Administrator
Concur: *August 3, 2016* *Non-Concur:* _____

April Walker, Fargo City Engineer
Concur: *August 2, 2016* *Non-Concur* _____

Mark Bittner, Fargo Director of Engineering
Concur: *August 2, 2016* *Non-Concur:* _____

Jason Benson, Cass County Engineer
Concur: *August 8, 2016* *Non-Concur* _____

David Overbo, Clay County Engineer
Concur: *August 2, 2016* *Non-Concur:* _____

Robert Zimmerman, Moorhead City Engineer
Concur: *August 3, 2016* *Non-Concur* _____

Nathan Boerboom, Diversion Authority Project Manager
Concur: *August 2, 2016* *Non-Concur:* _____

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Change Order No. 02

Date of Issuance:	8/11/2016	Effective Date:	8/11/2016
Owner:	Metro Flood Diversion Authority	Owner's Contract No.:	
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	479407
Contractor:	Industrial Builders, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42I.1
Project:	Fargo-Moorhead Area Diversion	Contract Name:	Mickelson Levee Extension

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

Description:

1. REMOVAL OF CONCRETE SWIMMING POOL AT 16 NORTH TERRACE
    a. Adjust Bid Item *0076 Remove Concrete Swimming Pool at 16 North Terrace* as shown in attached Unit Price Schedule Dated 8/11/2016. No time extension is granted for this change.
2. ADDITIONAL ASBESTOS REMOVAL
    a. Adjust Bid Item *0075 Additional Asbestos Abatement* as shown in the attached Unit Price Schedule Dated 8/11/2016. No time extension is granted for this change

Attachments:

- Change Order 02 Unit Price Schedule dated 8/11/2016

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES *[note changes in Milestones if applicable]*
Original Contract Price: **659,910.00**	Original Contract Times: Substantial Completion: September 15, 2016 Ready for Final Payment: October 15, 2016 days or dates
[Increase] [~~Decrease~~] from previously approved Change Orders **65,000.00**	[~~Increase~~] [~~Decrease~~] from previously approved Change Orders Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price prior to this Change Order: **724,910.00**	Contract Times prior to this Change Order: Substantial Completion: September 15, 2016 Ready for Final Payment: October 15, 2016

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	days or dates
[Increase] [~~Decrease~~] of this Change Order: **6,079.00**	[~~Increase~~] [~~Decrease~~] of this Change Order: Substantial Completion: Ready for Final Payment: days or dates
Contract Price incorporating this Change Order: **730,989.00**	Contract Times with all approved Change Orders: Substantial Completion: September 15, 2016 Ready for Final Payment: October 15, 2016 days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____	By: _____	By: _____
Owner's Representative (Authorized Signature)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Name: Tyler Smith, P.E.	Name: Darrell Vanyo	Name: Aaron Maley
Title: Construction Manager	Title: Chairman	Title: Project Manager
Date: _____	Date: _____	Date: _____

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WP-42I.1
Mickelson Levee Extension

Change Order 3 Unit Price Schedule
DATE: 8/11/2016

WP-42I.1 - Mickelson Levee Extension												
ITEM	DESCRIPTION	UNIT	Current Budget (Thru C0-01)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0001	Remove Sanitary Manhole	EA	4.00	600.00	$ 2,400.00				4.00	600.00	$	2,400.00
0002	Remove Sanitary Pipe All Sizes All Types	LF	668.00	22.00	$ 14,696.00				668.00	22.00	$	14,696.00
0003	Eliminate Sanitary Sewer Service	EA	5.00	4,200.00	$ 21,000.00				5.00	4,200.00	$	21,000.00
0004	Plug Sanitary Pipe 6" Diameter	EA	2.00	210.00	$ 420.00				2.00	210.00	$	420.00
0005	F&I Sanitary Pipe SDR 26 - 12" Dia PVC	LF	407.00	98.00	$ 39,886.00				407.00	98.00	$	39,886.00
0006	F&I Sanitary Pipe w/GB SDR 26 - 12" Dia PVC	LF	129.00	210.00	$ 27,090.00				129.00	210.00	$	27,090.00
0007	F&I Sanitary Manhole 4' Dia Reinf Conc	EA	5.00	5,500.00	$ 27,500.00				5.00	5,500.00	$	27,500.00
0008	Transfer Sewer Svc	EA	2.00	1,600.00	$ 3,200.00				2.00	1,600.00	$	3,200.00
0009	F&I Eccentric Cone	EA	1.00	1,600.00	$ 1,600.00				1.00	1,600.00	$	1,600.00
0010	Salvage Hydrant	EA	1.00	750.00	$ 750.00				1.00	750.00	$	750.00
0011	Remove Water Main Pipe All Sizes All Types	LF	195.00	11.00	$ 2,145.00				195.00	11.00	$	2,145.00
0012	Eliminate Water Service	EA	5.00	2,600.00	$ 13,000.00				5.00	2,600.00	$	13,000.00
0013	Sleeve Water Main Pipe w/GB 8" Dia	LS	1.00	1,300.00	$ 1,300.00				1.00	1,300.00	$	1,300.00
0014	Remove Storm Inlet	EA	4.00	650.00	$ 2,600.00				4.00	650.00	$	2,600.00
0015	Remove Storm Manhole	EA	1.00	950.00	$ 950.00				1.00	950.00	$	950.00
0016	Remove Storm Pipe All Sizes All Types	LF	359.00	16.00	$ 5,744.00				359.00	16.00	$	5,744.00
0017	F&I Inlet - Single Box (SBI) Reinf Conc	EA	1.00	2,600.00	$ 2,600.00				1.00	2,600.00	$	2,600.00
0018	F&I Inlet - Storm Manhole (MHI) 5' Dia Reinf Conc	EA	1.00	5,300.00	$ 5,300.00				1.00	5,300.00	$	5,300.00
0019	Connect Storm Pipe to Exist Storm Pipe	EA	1.00	550.00	$ 550.00				1.00	550.00	$	550.00
0020	F&I Storm Manhole 4' Dia Reinf Conc	EA	1.00	3,200.00	$ 3,200.00				1.00	3,200.00	$	3,200.00
0021	F&I Inlet - Storm Manhole (MHI) 4' Dia Reinf Conc	EA	1.00	3,000.00	$ 3,000.00				1.00	3,000.00	$	3,000.00

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WP-42I.1 - Mickelson Levee Extension												
ITEM	DESCRIPTION	UNIT	Current Budget (Thru C0-01)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0022	F&I Storm Pipe 12" Dia Reinf Conc	LF	35.00	52.00	$ 1,820.00				35.00	52.00	$	1,820.00
0023	F&I Storm Pipe w/GB 12" Dia Reinf Conc	LF	28.00	70.00	$ 1,960.00				28.00	70.00	$	1,960.00
0024	F&I Storm Pipe w/GB 15" Dia Reinf Conc	LF	137.00	95.00	$ 13,015.00				137.00	95.00	$	13,015.00
0025	Remove Pavement All Thicknesses All Types	SY	2,105.00	5.00	$ 10,525.00				2,105.00	5.00	$	10,525.00
0026	Remove Sidewalk All Thicknesses All Types	SY	528.00	5.00	$ 2,640.00				528.00	5.00	$	2,640.00
0027	Remove Driveway All Thicknesses All Types	SY	666.00	5.00	$ 3,330.00				666.00	5.00	$	3,330.00
0028	Remove Curb & Gutter	LF	1,157.00	6.00	$ 6,942.00				1,157.00	6.00	$	6,942.00
0029	Subgrade Preparation	SY	1,687.00	2.00	$ 3,374.00				1,687.00	2.00	$	3,374.00
0030	F&I Woven Geotextile	SY	1,687.00	1.00	$ 1,687.00				1,687.00	1.00	$	1,687.00
0031	F&I Class 5 Agg - 7" Thick	SY	1,687.00	7.00	$ 11,809.00				1,687.00	7.00	$	11,809.00
0032	F&I Edge Drain 4" Dia PVC	LF	936.00	6.00	$ 5,616.00				936.00	6.00	$	5,616.00
0033	F&I Curb & Gutter Standard (Type II)	LF	936.00	25.00	$ 23,400.00				936.00	25.00	$	23,400.00
0034	F&I Sidewalk 4" Thick Reinf Conc	SY	226.00	65.00	$ 14,690.00				226.00	65.00	$	14,690.00
0035	F&I Sidewalk 6" Thick Reinf Conc	SY	320.00	80.00	$ 25,600.00				320.00	80.00	$	25,600.00
0036	F&I Driveway 6" Thick Reinf Conc	SY	132.00	80.00	$ 10,560.00				132.00	80.00	$	10,560.00
0037	F&I Aggregate for Asph Pavement FAA 43	TON	517.00	68.00	$ 35,156.00				517.00	68.00	$	35,156.00
0038	F&I Asphalt Cement PG 58-28	GAL	7,434.00	2.00	$ 14,868.00				7,434.00	2.00	$	14,868.00
0039	F&I Casting - Std Manhole	EA	3.00	800.00	$ 2,400.00				3.00	800.00	$	2,400.00
0040	F&I Casting - Inlet	EA	2.00	900.00	$ 1,800.00				2.00	900.00	$	1,800.00
0041	GV Box to Grade - w/Conc	EA	1.00	400.00	$ 400.00				1.00	400.00	$	400.00
0042	Traffic Control - Type 1	LS	1.00	2,000.00	$ 2,000.00				1.00	2,000.00	$	2,000.00
0043	Temp Construction Entrance	EA	2.00	2,500.00	$ 5,000.00				2.00	2,500.00	$	5,000.00
0044	Mobilization	LS	1.00	28,000.00	$ 28,000.00				1.00	28,000.00	$	28,000.00
0045	Temp Fence - Safety	LF	353.00	3.00	$ 1,059.00				353.00	3.00	$	1,059.00

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WP-42I.1 - Mickelson Levee Extension												
ITEM	DESCRIPTION	UNIT	Current Budget (Thru C0-01)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0046	Clear & Grub	LS	1.00	8,000.00	$ 8,000.00				1.00	8,000.00	$ 8,000.00	
0047	Remove Tree	EA	2.00	700.00	$ 1,400.00				2.00	700.00	$ 1,400.00	
0048	F&I Decid Tree 1.5" Dia	EA	129.00	300.00	$ 38,700.00				129.00	300.00	$ 38,700.00	
0049	F&I Conif Tree 6' Height	EA	5.00	400.00	$ 2,000.00				5.00	400.00	$ 2,000.00	
0050	Demolition	EA	4.00	4,000.00	$ 16,000.00				4.00	4,000.00	$ 16,000.00	
0051	Remove Foundation All Types	EA	5.00	16,000.00	$ 80,000.00				5.00	16,000.00	$ 80,000.00	
0052	Remove Landscaping	EA	5.00	500.00	$ 2,500.00				5.00	500.00	$ 2,500.00	
0053	Remove Fence	LF	108.00	2.00	$ 216.00				108.00	2.00	$ 216.00	
0054	Remove Sign Assembly	EA	2.00	100.00	$ 200.00				2.00	100.00	$ 200.00	
0055	Relocate Sign Assembly	EA	1.00	200.00	$ 200.00				1.00	200.00	$ 200.00	
0056	Relocate Street Light	EA	1.00	4,500.00	$ 4,500.00				1.00	4,500.00	$ 4,500.00	
0057	Silt Fence - Standard	LF	1,070.00	2.00	$ 2,140.00				1,070.00	2.00	$ 2,140.00	
0058	Sediment Control Log 10" to 15" Dia	LF	485.00	3.00	$ 1,455.00				485.00	3.00	$ 1,455.00	
0059	Inlet Protection - New Inlet	EA	5.00	250.00	$ 1,250.00				5.00	250.00	$ 1,250.00	
0060	Inlet Protection - Existing Inlet	EA	5.00	250.00	$ 1,250.00				5.00	250.00	$ 1,250.00	
0061	Topsoil - Strip (6")	CY	1,370.00	1.50	$ 2,055.00				1,370.00	1.50	$ 2,055.00	
0062	Topsoil - Spread (6")	CY	1,765.00	2.00	$ 3,530.00				1,765.00	2.00	$ 3,530.00	
0063	Topsoil - Import	CY	395.00	5.00	$ 1,975.00				395.00	5.00	$ 1,975.00	
0064	Fill - Haul	CY	100.00	14.00	$ 1,400.00				100.00	14.00	$ 1,400.00	
0065	Fill - Import (Foundations)	CY	1,100.00	9.00	$ 9,900.00				1,100.00	9.00	$ 9,900.00	
0066	Subcut	CY	100.00	5.00	$ 500.00				100.00	5.00	$ 500.00	
0067	Embankment	CY	3,000.00	2.00	$ 6,000.00				3,000.00	2.00	$ 6,000.00	
0068	Embankment Import	CY	5,280.00	9.00	$ 47,520.00				5,280.00	9.00	$ 47,520.00	
0069	Inspection Trench	CY	1,700.00	3.00	$ 5,100.00				1,700.00	3.00	$ 5,100.00	

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WP-42I.1 - Mickelson Levee Extension												
ITEM	DESCRIPTION	UNIT	Current Budget (Thru C0-01)			Net Change			New Budget			
			QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMOUNT	
0070	Excavation	CY	3,000.00	1.00	$ 3,000.00				3,000.00	1.00	$ 3,000.00	
0071	Mulching Type 1 - Hydro	SY	17,910.00	0.40	$ 7,164.00				17,910.00	0.40	$ 7,164.00	
0072	Seeding Type B	SY	17,910.00	0.15	$ 2,686.50				17,910.00	0.15	$ 2,686.50	
0073	Overseeding	SY	17,910.00	0.10	$ 1,791.00				17,910.00	0.10	$ 1,791.00	
0074	Weed Control Type B	SY	17,910.00	0.05	$ 895.50				17,910.00	0.05	$ 895.50	
0075	Additional Asbestos Abatement	LS	1.00	65,000.00	$ 65,000.00	1	$ 1,568.00	$ 1,568.00	1.00	66,568.00	$ 66,568.00	
0076	Remove Concrete Swimming Pool at 16 North Terrace	LS				1	$ 4,511.00	$ 4,511.00	1.00	4,511.00	$ 4,511.00	
WP-42H.2 - TOTAL AMOUNT			CURRENT BUDGET		$ 724,910.00	NET CHANGE		$ 6,079.00	NEW BUDGET		$ 730,989.00	

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Industrial Builders, Inc.

PAUL W. DIEDERICH, PRESIDENT
DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT

General Contractors

PHONE 701/282-4977 FAX 701/281-1409
P.O. BOX 406 FARGO, NORTH DAKOTA 58107-0406

Job Reference: WP-42I1 - Mickelson Levee Extension
Attn: David Buck
CH2M Hill

T&M Pool Removal at 16 N Terrace

6/20/16 - 6/21/16 Work Order

Qty		Total Hours	Regular Hours		Overtime Hours (20%)		Total
	IBI Labor Rates						
1	Superintendent	2	$ 126.00	$ 252.00	$ 139.00	$ -	$ 252.00
1	Project Manager	2	$ 116.00	$ 232.00	$ 121.00	$ -	$ 232.00
1	Operator Forman	8	$ 90.65	$ 725.20	$ 111.10	$ -	$ 725.20
1	Dozer Operator	1	$ 82.20	$ 82.20	$ 97.35	$ -	$ 82.20
1	Truck Driver	8	$ 77.65	$ 621.20	$ 91.90	$ -	$ 621.20
1	Truck Driver	8	$ 77.65	$ 621.20	$ 91.90	$ -	$ 621.20
1	Truck Driver	3	$ 77.65	$ 232.95	$ 91.90	$ -	$ 232.95
						Total IBI Labor:	***$ 2,766.75***

IBI Equipment Rates

Qty		*Hourly Rate*	*Hours*	*Total*
1	Komatsu PC300 Excavator	$ 93.00	8	$ 744.00
1	Dozer	$ 66.00	1	$ 66.00
1	Side Dump	$ 45.00	8	$ 360.00
1	Dump Truck	$ 35.00	8	$ 280.00
1	Lowboy Truck/Trailer	$ 98.00	3	$ 294.00
			Total IBI Equipment:	***$ 1,744.00***

Total Change Order: $ 4,510.75

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Buck, David/FMH

From: Aaron Maley <amaley@industrialbuilders.com>
Sent: Tuesday, August 02, 2016 7:57 AM
To: Buck, David/FMH
Subject: RE: Additional Asbestos Discovered [EXTERNAL]

That's correct.

Thanks,

Aaron Maley
Project Manager
Industrial Builders, Inc.
PO Box 406 Fargo, ND 58107
701.282.4977 o | 701.281.1409 f | 701.840.1955 c
amaley@industrialbuilders.com

From: David.Buck@ch2m.com [mailto:David.Buck@ch2m.com]
Sent: Monday, August 01, 2016 1:39 PM
To: Aaron Maley <amaley@industrialbuilders.com>
Subject: RE: Additional Asbestos Discovered

Hi Aaron, I'm working on getting this things into a change order (finally), can you remind me, was it 2 items at $784 each that are still lingering? Total of $1,568? I've got the concrete swimming pool item in there as well.

Thanks,

From: Aaron Maley [mailto:amaley@industrialbuilders.com]
Sent: Monday, May 16, 2016 3:48 PM
To: Buck, David/FMH <David.Buck@ch2m.com>
Cc: Rodger.Schmidt@terracon.com; Aaron Ostermann <aaron@vci-environmental.com>
Subject: FW: Additional Asbestos Discovered

David/Rodger,

VCI came across some more suspect material at 18 N Terrance. Rodger, can you confirm from Terracon's side that this is something that needs to be abated. David, we'd like to proceed as we did last time under a field change directive if you can send over.

I spoke with Ron, VCI's on site supervisor, and he said he'll be done early tomorrow with the current scope, so if we can get a confirmation to proceed on this new stuff soon that'd be appreciated….that way he can finish everything tomorrow.

Thanks,

Aaron Maley

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Project Manager
Industrial Builders, Inc.
PO Box 406 Fargo, ND 58107
701.282.4977 o | 701.281.1409 f | 701.840.1955 c
amaley@industrialbuilders.com

From: Aaron Ostermann [mailto:aaron@vci-environmental.com]
Sent: Monday, May 16, 2016 2:53 PM
To: Aaron Maley <amaley@industrialbuilders.com>
Cc: Ron Guthrie <ron@vci-environmental.com>
Subject: Additional Asbestos Discovered

Aaron,

I just spoke with Ron and at 18 N terrace the discovered ductwork in the wall that is covered with a very suspect paper. There are 2 ducts that will require wall demo on both floors to access to remove. Ron figured approx. 8 hrs ($784) to complete this work. We will be finishing up the our work on the project tomorrow and would like to take care of it before we leave site. Let me know if you can get this approved.

Thanks,

Aaron Ostermann
Project Manager/Estimator
VCI Environmental, Inc.
(P) 651-436-8559
(C) 651-329-2829
(F) 651-436-2021
aaron@vci-environmental.com

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Member _____ introduced the following resolution and moved its adoption:

RESOLUTION AUTHORIZING THE DRAW DOWN OF FUNDS FROM WELLS FARGO BANK LOANS TO CASS COUNTY, NORTH DAKOTA AND TO THE CITY OF FARGO, NORTH DAKOTA; AND AUTHORIZING THE DRAW DOWN OF FUNDS RECEIVED FROM TEMPORARY SALES TAX REVENUE NOTES OF CASS COUNTY AND THE CITY OF FARGO

WHEREAS, the Metro Flood Diversion Authority (the "Diversion Authority") was created by a Joint Powers Agreement[1] ("JPA"), and pursuant to Section 10.04 of the JPA, the Diversion Authority's Board must approve the withdrawal of funds from loan proceeds for the payment of Debt Obligations and Project Costs for the LPP Flood Risk Management Features and the Recreation Features as generally described in the Final Feasibility Report and Environmental Impact Statement, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, dated July 2011 and approved by the Chief of Engineers on December 19, 2011, as amended by the Supplemental Environmental Assessment, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, dated September 2013 and approved by the District Engineer, St. Paul District on September 19, 2013 (the "Project"); and

WHEREAS, pursuant to Section 10.04 of the JPA, the Fiscal Agent shall, pursuant to and in accordance with the JPA and this Resolution, withdraw funds from loan proceeds for the payment of Debt Obligations and Project Costs for the Project; and

WHEREAS, the Cass County, North Dakota (the "County") entered into a Loan Agreement, dated as of July 1, 2014 (the "U.S. Bank County Loan Agreement"), for an initial loan from U.S. Bank in the maximum principal amount of $50,000,000 (the "U.S. Bank County Loan"); and

WHEREAS, the City of Fargo, North Dakota, (the "City") entered into a Loan Agreement, dated as of May 1, 2015 (the "U.S. Bank City Loan Agreement"), for an additional loan from U.S. Bank in the maximum principal amount of $50,000,000 (the "U.S. Bank City Loan"); and

WHEREAS, the County and the City will prepay the U.S. Bank County Loan and the U.S. Bank City Loan by borrowing up to $100,000,000 from Wells Fargo Bank, National Association ("Wells Fargo"); and

WHEREAS, the County entered into a Loan Agreement with Wells Fargo, in which the County will be the borrower of up to $50,000,000 from Wells Fargo to prepay the U.S. Bank County Loan (the "County Refund Loan"), and that the City entered into a Loan Agreement with

[1] The Agreement effective as of June 1, 2016, between the City of Moorhead, a political subdivision of the State of Minnesota; the City of Fargo, a political subdivision of the State of North Dakota; Clay County, a political subdivision of the State of Minnesota; Cass County, a political subdivision of the State of North Dakota; and Cass County Joint Water Resource District, a political subdivision of the State of North Dakota, to establish the duties, responsibilities and obligations of each party regarding the Project.

Wells Fargo, in which the City will be the borrower of up to $50,000,000 from Wells Fargo to prepay the U.S. Bank City Loan (the "City Refund Loan"); and

WHEREAS, the County entered into a Temporary Sales Tax Revenue Note Purchase Agreement with Well Fargo, dated as of August 1, 2016, in which the County will be the borrower of up to an additional $50,000,000 from Wells Fargo (the "County Additional Loan"), and the loan proceeds received by the County will be used to pay Project Costs; and

WHEREAS, the City entered into a Temporary Sales Tax Revenue Note Purchase Agreement with Well Fargo, dated as of August 1, 2016, in which the City will be the borrower of up to an additional $50,000,000 from Wells Fargo (the "City Additional Loan"), and the loan proceeds received by the City will be used to pay Project Costs; and

WHEREAS, the Diversion Authority Board must approve the draw-down of funds received from the City Additional Loan, County Additional Loan, City Refund Loan and County Refund Loan and direct the Fiscal Agent to use such funds for the prepayment of the U.S. Bank City Loan and the U.S. Bank County Loan, and to be used to pay Project Costs.

NOW, THEREFORE, BE IT RESOLVED by the governing body of the Diversion Authority:

Section 1. Approval and Consent of the Draw-Down of Funds for Prepayment. The Diversion Authority hereby consents and approves of the draw-down of funds from the County Refund Loan and the City Refund Loan to prepay the U.S. Bank County Loan and the U.S. Bank City Loan.

Section 2. Approval and Consent of the Draw-Down of Funds for Prepayment. The Diversion Authority hereby consents and approves the draw-down of funds from the County Additional Loan and the City Additional Loan to pay Project Costs.

Section 3. Fiscal Agent. The Fiscal Agent, in accordance with and pursuant to Section 10.04 of the JPA and this Resolution, is hereby authorized and directed to draw-down funds from the County Refund Loan and the City Refund Loan to prepay the U.S. Bank County Loan and the U.S. Bank City Loan.

Section 4. Fiscal Agent. The Fiscal Agent, in accordance with and pursuant to Section 10.04 of the JPA and this Resolution, is hereby authorized and directed to draw-down funds from the County Additional Loan and the City Additional Loan to pay Project Costs.

Section 5. North Dakota Law Applies. This Resolution and any transactions contemplated herein will be controlled by the laws of the State of North Dakota.

Section 6. This Resolution shall take effect immediately upon adoption.

Dated: August 11, 2016

METRO FLOOD DIVERSION AUTHORITY

APPROVED:

_____
Darrell Vanyo, Chair

ATTEST:

_____
Heather Worden, Secretary

Dated Approved: _____

The motion for adoption of the foregoing resolution was duly seconded by Member _____, and upon roll call vote, the following voted in favor thereof: _____. The following were absent and not voting: _____. The following voted against the same: _____. _____ of the Members having voted aye, the resolution was declared duly passed and adopted.

Member _____ introduced the following resolution and moved its adoption:

RESOLUTION APPROVING THE EXECUTION AND DELIVERY OF AN INTERGOVERNMENTAL AGREEMENT (SERIES 2016) BETWEEN CASS COUNTY, NORTH DAKOTA, AND THE CITY OF FARGO, NORTH DAKOTA; CONSENTING TO LOAN AGREEMENTS BETWEEN WELLS FARGO BANK, N.A., AND CASS COUNTY, NORTH DAKOTA; CONSENTING TO LOAN AGREEMENTS BETWEEN WELLS FARGO, N.A., AND THE CITY OF FARGO, NORTH DAKOTA AND CONSENTING TO THE ISSUANCE OF TEMPORARY SALES TAX REVENUE NOTES BY CASS COUNTY AND THE CITY OF FARGO

WHEREAS, the Metro Flood Diversion Authority (the "Diversion Authority") was created by a Joint Powers Agreement[1] ("JPA"), and pursuant to Section 11.03 of the JPA the Diversion Authority's Board must consent and approve of the issuance of Debt Obligations[2] for the LPP Flood Risk Management Features and the Recreation Features as generally described in the Final Feasibility Report and Environmental Impact Statement, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, dated July 2011 and approved by the Chief of Engineers on December 19, 2011, as amended by the Supplemental Environmental Assessment, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, dated September 2013 and approved by the District Engineer, St. Paul District on September 19, 2013 (the "Project"); and

WHEREAS, the City of Fargo, North Dakota (the "City") and Cass County, North Dakota (the "County") previously determined it necessary to cooperate with each other with respect to obtaining interim financing (the "Series A Interim Debt Obligation")[3] for planning, design and the construction of the Project; and

WHEREAS, the City and the County entered into an Intergovernmental Agreement, dated as of July 1, 2014 (the "Original Intergovernmental Agreement"), and a Supplemental Intergovernmental Agreement, dated as of May 1, 2015, (the "Supplemental Intergovernmental Agreement," together with the Original Intergovernmental Agreement, the "Intergovernmental Agreement"), relating to Series A Interim Debt Obligation, the pledge by the County of ninety-one percent (91%) of the proceeds generated by the one-half percent (1/2%) sales and use tax imposed by Ordinance No. 2010-2 of the County, (the "County 2010-2 Sales Tax") to the repayment of the Series A Interim Debt Obligation, and the pledge of the City of one hundred percent (100%) of the proceeds generated by the one-half percent (1/2%) sales and use tax

[1] The Agreement effective as of June 1, 2016, between the City of Moorhead, a political subdivision of the State of Minnesota; the City of Fargo, a political subdivision of the State of North Dakota; Clay County, a political subdivision of the State of Minnesota; Cass County, a political subdivision of the State of North Dakota; and Cass County Joint Water Resource District, a political subdivision of the State of North Dakota, to establish the duties, responsibilities and obligations of each party regarding the Project.

[2] Any loan, note, bond, or other security instrument issued by one or more of the Member Entities to provide either temporary or permanent financing of the Project.

[3] The Series A Interim Debt Obligation consists of the original U.S. Bank County Loan and the original U.S. Bank City Loan, collectively, in the aggregate principal amount of one hundred million dollars ($100,000,000).

imposed by Article 3-21 of the Fargo Municipal Code (the "City 3-21 Sales Tax") to the repayment of the Series A Interim Debt Obligation; and

WHEREAS, in 2014, the Diversion Authority and the City requested proposals for tax-exempt direct funded loans or draw-down lines of credit from multiple institutions, including U.S. Bank National Association ("U.S. Bank"); and

WHEREAS, the Diversion Authority, the County, and the City determined that the proposal of U.S. Bank was the lowest cost alternative; and

WHEREAS, the County entered into a Loan Agreement, dated as of July 1, 2014 (the "U.S. Bank County Loan Agreement") for an initial loan from U.S. Bank in the maximum principal amount of $50,000,000 (the "U.S. Bank County Loan") as part of the Series A Interim Debt Obligation; and

WHEREAS, the City entered into a Loan Agreement, dated as of May 1, 2015 (the "U.S. Bank City Loan Agreement"), for an additional loan from U.S. Bank in the maximum principal amount of $50,000,000 (the "U.S. Bank City Loan"), as part of Series A Interim Debt Obligation secured by the City 3-21 Sales Tax and the County 2010-2 Sales Tax; and

WHEREAS, the County and the City desire to prepay the U.S. Bank County Loan and the U.S. Bank City Loan by borrowing up to $100,000,000 from Wells Fargo Bank, National Association ("Wells Fargo") secured by the City 3-21 Sales Tax and the County 2010-2 Sales Tax, as applicable; and

WHEREAS, the County and the City have determined that the County will be the borrower of up to $50,000,000 from Wells Fargo to prepay the U.S. Bank County Loan (the "County Refund Loan") and that the City will be the borrower of up to $50,000,000 from Wells Fargo to prepay the U.S. Bank City Loan (the "City Refund Loan"); and

WHEREAS, the County and the City have determined that the County will be the borrower of up to an additional $50,000,000 from Wells Fargo, which loan (the "County Additional Loan") constitutes a part of the Series B Interim Debt Obligation secured by a subordinate pledge of the City 3-21 Sales Tax and a first lien on the County 2010-2 Sales Tax; and

WHEREAS, the County and the City have determined that the City will be the borrower of up to an additional $50,000,000 from Wells Fargo, which loan (the "City Additional Loan")[4] constitutes a part of the Series B Interim Debt Obligation secured by the City 3-21 Sales Tax and the County 2010-2 Sales Tax; and

WHEREAS, the County and the City have received proposals and terms from Wells Fargo for the County Refund, the County Additional Loan Agreement, the City Refund Loan Agreement, and the City Additional Loan Agreement; and

[4] The County Refund Loan, City Refund Loan, County Additional Loan, and City Additional Loan are collectively referred to as the Series B Interim Debt Obligation.

WHEREAS, the County and the City desire to amend and reenact the Intergovernmental Agreement with the Intergovernmental Agreement (Series 2016) dated as of August 1, 2016 (the "Intergovernmental Agreement (Series 2016)"), to specifically set forth agreements with respect to the County Refund Loan, the County Additional Loan, the City Refund Loan, and the City Additional Loan, and to refund the U.S. Bank County Loan and the U.S. Bank City Loan; and

WHEREAS, the Diversion Authority has reviewed the Intergovernmental Agreement (Series 2016), dated as of August 1, 2016, and approves of the terms and conditions contained within the Intergovernmental Agreement (Series 2016); and

WHEREAS, the Diversion Authority has reviewed the Temporary Sales Tax Revenue Note Purchase Agreement by and between Cass County, North Dakota and Wells Fargo dated as of August 1, 2016, for the County Refund Loan and approves of the terms and conditions contained within the Temporary Sales Tax Revenue Note Purchase Agreement; and

WHEREAS, the Diversion Authority has reviewed the Loan Agreement by and between Cass County, North Dakota and Wells Fargo dated as of August 1, 2016, for the County Additional Loan Agreement and approves of the terms and conditions contained within the County Additional Loan Agreement; and

WHEREAS, the Diversion Authority has reviewed the Temporary Sales Tax Revenue Note Purchase Agreement by and between Fargo, North Dakota, and Wells Fargo dated as of August 1, 2016, for the City Refund Loan and approves of the terms and conditions contained within the Temporary Sales Tax Revenue Note Purchase Agreement; and

WHEREAS, the Diversion Authority has reviewed the Loan Agreement by and between Fargo, North Dakota, and Wells Fargo dated as of August 1, 2016, for the City Additional Loan Agreement and approves of the terms and conditions contained within the City Additional Loan Agreement.

NOW, THEREFORE, BE IT RESOLVED by the governing body of the Diversion Authority:

Section 1. Approval and Consent of the Intergovernmental Agreement (Series 2016). The Diversion Authority hereby consents and approves of the Intergovernmental Agreement (Series 2016) by and between the City and the County, dated as of August 1, 2016, which specifically sets forth agreements with respect to the County Refund Loan, the County Additional Loan, the City Refund Loan, and the City Additional Loan, and to refund the U.S. Bank County Loan and the U.S. Bank City Loan.

Section 2. Approval and Consent of Wells Fargo Loans with County. The Diversion Authority hereby consents and approves of the County borrowing up to $50,000,000 from Wells Fargo for the County Refund Loan and up to $50,000,000 from Wells Fargo for the County Additional Loan secured by and payable solely from ninety-one percent (91%) of the pledged County 2010-2 Sales Tax and the City 3-21 Sales Tax, with interest payable at that variable rate

set forth in the proposal of Wells Fargo and in the form of the Temporary Sales Tax Revenue Note Purchase Agreement and the County Additional Loan Agreement, respectively. The Diversion Authority hereby approves the County entering the Temporary Sales Tax Revenue Purchase Agreement and the County Additional Loan Agreement with Wells Fargo and issuing the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of Cass County and the County Additional Note relating thereto substantially in the forms presented to the Diversion Authority at this meeting, with such changes, additions, or deletions as may be approved by the officers of the Diversion Authority signing such document, the Chair and the Secretary.

Section 3. Approval and Consent of Wells Fargo Loans with City. The Diversion Authority hereby consents and approves of the City borrowing up to $50,000,000 from Wells Fargo for the City Refund Loan and up to $50,000,000 from Wells Fargo for the City Additional Loan secured by and payable solely from ninety-one percent (91%) of the pledged County 2010-2 Sales Tax and the City 3-21 Sales Tax, with interest payable at that variable rate set forth in the proposal of Wells Fargo and in the form of the Temporary Sales Tax Revenue Note Purchase Agreement and the City Additional Loan Agreement, respectively. The Diversion Authority hereby approves the City entering the Temporary Sales Tax Revenue Agreement and the City Additional Loan Agreement with Wells Fargo and issuing the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of the City of Fargo and the City Additional Note relating thereto substantially in the forms presented to the Diversion Authority at this meeting, with such changes, additions, or deletions as may be approved by the officers of the Diversion Authority signing such document, the Chair and the Secretary.

Section 4. Acceptance of Wells Fargo Proposals. The governing body of the Diversion Authority has received proposals from Wells Fargo for the (county) Temporary Sales Tax Revenue Note Purchase Agreement, the County Additional Loan Agreement, the (city) Temporary Sales Tax Revenue Note Purchase Agreement, and the City Additional Loan Agreement which are hereby found and determined to be reasonable and advantageous are hereby accepted by the Diversion Authority.

Section 5. Authorization of Documents. The execution and delivery of the (county) Temporary Sales Tax Revenue Note Purchase Agreement, the County Additional Loan Agreement, the County, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of Cass County, the (city) Temporary Sales Tax Revenue Note Purchase Agreement, the City Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of the City of Fargo, and the Intergovernmental Agreement (Series 2016) are hereby approved and authorized to be executed and delivered in substantially the same form presented to the Flood Diversion Board at this meeting on behalf of Chair of the Cass County Commission and the Cass County Auditor, and the Mayor and City Auditor (the "Authorized Officers"), with such modification as may be approved by the Authorized Officers. The Authorized Officers are authorized and directed to execute the (county) Temporary Sales Tax Revenue Note Purchase Agreement, the County Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of Cass County, the (city) Temporary Sales Tax Revenue Note Purchase Agreement, the City Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of the City of Fargo, and the Intergovernmental Agreement (Series 2016), and to deliver them to Wells Fargo, which execution and delivery will be conclusive evidence of the approval of any

modifications with respect to the (county) Temporary Sales Tax Revenue Note Purchase Agreement, the County Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of Cass County, the (city) Temporary Sales Tax Revenue Note Purchase Agreement, the City Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of the City of Fargo, and the Intergovernmental Agreement (Series 2016).

The Authorized Officers are hereby authorized and directed to execute and deliver such other necessary or appropriate agreements, certifications, and other documents in connection with the (county) Temporary Sales Tax Revenue Note Purchase Agreement, the County Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of Cass County, the (city) Temporary Sales Tax Revenue Note Purchase Agreement, the City Additional Loan Agreement, the $50,000,000 Temporary Sales Tax Revenue Note of 2016 of the City of Fargo, and the Intergovernmental Agreement (Series 2016).

In the event of the absence or unavailability of any Authorized Officer, the documents authorized for execution and delivery pursuant to this section may be executed and delivered by the individual or individuals authorized generally by the County or the City to act on behalf of its Authorized Officers in such circumstances as the case may be.

In case any officer signing documents authorized to be executed and delivered by this Resolution shall cease to be such officer before or after the delivery of any such documents, such signature, nevertheless, shall be valid and remain sufficient for all purposes as if such officer had remained in office until such delivery or later applicable time.

Section 6. North Dakota Law Applies. This Resolution and any transactions contemplated herein will be controlled by the laws of the State of North Dakota.

Section 7. This Resolution shall take effect immediately upon adoption.

Adopted August 11, 2016.

METRO FLOOD DIVERSION AUTHORITY

_____
Darrell Vanyo, Chair
Diversion Authority Board

ATTEST:

_____
Heather Worden, Secretary

The motion for adoption of the foregoing resolution was duly seconded by Member _____, and upon roll call vote, the following voted in favor thereof: _____. The following were absent and not voting: _____. The following voted against the same: _____. _____ of the Members having voted aye, the resolution was declared duly passed and adopted.

Finance Committee Bills for August 2016

Vendor	Description		
Cass County Joint Water Resource District	Reimburse Diversion bills	$	4,408,733.99
Erik R. Johnson & Associates, Ltd.	General Legal Matters through June 25, 2016	$	7,008.00
Erik R. Johnson & Associates, Ltd.	General Legal Matters through July 25, 2016	$	4,729.50
Dorsey & Whitney LLP	Legal Services Rendered through June 30, 2016	$	67,433.66
Ohnstad Twichell, P.C.	Bond counsel work; PPP research	$	87,976.27
Ohnstad Twichell, P.C.	4th Street Pump Station litigation	$	1,885.00
Total Bills Received in July		$	4,577,766.42

CASS COUNTY GOVERNMENT

Cass County
Joint Water
Resource
District

Mark Brodshaug
Chairman
West Fargo, North Dakota

Rodger Olson
Manager
Leonard, North Dakota

Dan Jacobson
Manager
West Fargo, North Dakota

Ken Lougheed
Manager
Gardner, North Dakota

Jacob Gust
Manager
Fargo, North Dakota

Carol Harbeke Lewis
Secretary-Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

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

August 3, 2016

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

Greetings:

RE: Metro Flood Diversion Project
In-Town Levees Project
Diversion Project Assessment Committee (DPAC)
Oxbow-Hickson-Bakke Ring Levee Project

Enclosed please find copies of bills totaling $4,408,733.99 regarding the above referenced projects. The breakdown is as follows:

Metro Flood Diversion	$ 146,907.61
In-Town Levees	557,831.07
DPAC	1,160.44
Oxbow-Hickson-Bakke Ring Levee	3,702,834.87

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

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

Sincerely,

CASS COUNTY JOINT WATER RESOURCE DISTRICT

Carol Harbeke Lewis
Secretary-Treasurer

Enclosures

METRO FLOOD DIVERSION RIGHT OF ENTRY/LAND ACQUISITION COST SHARE INVOICES

Updated 8/1/16

Invoice Paid	Invoice Date	Invoice No.	Project No.	Amount	Vendor	Description
7/14/2016	6/21/2016	143197	100007	612.96	Ohnstad Twichell, P.C.	Legal-Right of Entry
7/14/2016	6/21/2016	143239	160007	1192.50	Ohnstad Twichell, P.C.	Legal-inlet permit application
7/14/2016	6/21/2016	143201	130007	16347.97	Ohnstad Twichell, P.C.	Legal-Diversion ROW Acquisition
7/14/2016	6/21/2016	143237	160007	10925.65	Ohnstad Twichell, P.C.	Eminent Domain on inlet parcel - Cossette
7/14/2016	6/21/2016	143238	160007	4875.50	Ohnstad Twichell, P.C.	Eminent Domain on inlet parcel - Ulstad
7/14/2016	6/21/2016	143196	90007	1,333.74	Ohnstad Twichell, P.C.	Legal-contracts, resolution, MOU, open records
7/14/2016	6/21/2016	143234	160007	10,278.15	Ohnstad Twichell, P.C.	Legal-Inlet Right of Entry
7/28/2016	7/25/2016	143709	100007	2,318.00	Ohnstad Twichell, P.C.	Legal-Right of Entry
7/28/2016	7/25/2016	143716	130007	16,635.55	Ohnstad Twichell, P.C.	Legal-Diversion ROW Acquisition
7/28/2016	7/25/2016	143708	90007	4,717.00	Ohnstad Twichell, P.C.	Legal-JPA, MNDNR
7/28/2016	7/25/2016	143753	160007	3,102.25	Ohnstad Twichell, P.C.	Legal-purchase agreements
7/28/2016	7/12/2016	693225		1,600.00	Larkin Hoffman Attorneys	Legal-Stefonowicz - Sauvageau property
7/14/2016	12/31/2015	1263	2001	21,192.29	Houston Moore Group	Right of entry services
7/28/2016	7/12/2016	58733	R12.00049	14,896.00	Ulteig Engineers	Land management services, land acquisition
7/28/2016	7/15/2016	1337	2001	36,880.05	Houston Moore Group	Right of entry services
			Total	**146,907.61**		

IN-TOWN LEVEES INVOICES

Invoice Paid	Invoice Date	Invoice No.	Project No.	Amount	Vendor	Description
7/14/2016	6/21/2016	143235	160007	145.00	Ohnstad Twichell, P.C.	Legal-Mondragon eminent domain
07/28/16	07/25/16	143754	160007	667.00	Ohnstad Twichell, P.C.	Legal-Mondragon eminent domain
07/14/16	04/28/16			16,500.00	Jordan and Diana Heller	final residential price differential
7/14/2016	6/21/2016			997.50	William Bright	residential down payment
7/28/2016	7/12/2016			4,000.00	American Properties	residential actual move payment
7/28/2016	7/11/2016			1,542.45	Brady Davidson	final rental assistance
7/28/2016	7/1/2016	3225	5 invoices	1,995.00	Valley Green and Associates	mowing & snow removal (HJ, Oak & Elm St and N Terrace)
7/14/2016	6/20/2016	381069368	479407	366,593.32	CH2M Hill	Land acquisition Mgmt services for April/May (78%)
7/28/2016	7/22/2016	381073038	479407	121,336.32	CH2M Hill	Land acquisition Mgmt services for June (78%)
7/28/2016	7/15/2016	1338	2002	44,054.48	Houston-Moore Group	Negotiation and acquisition services, project mgmt-June
			Total	**557,831.07**		

DIVERSION PROJECT ASSESSMENT DISTRICT (DPAC) INVOICES

Invoice Paid	Invoice Date	Invoice No.	Project No.	Amount	Vendor	Description
7/28/2016	7/25/2016	143714	120007	450.00	Ohnstad Twichell, P.C.	Legal - review court opinion
7/28/2016	7/25/2016	143730	150007	710.44	Ohnstad Twichell, P.C.	Legal - Garaas appeal
			Total	**1,160.44**		

OXBOW-HICKSON-BAKKE RING LEVEE INVOICES

Invoice Paid	Invoice Date	Invoice No.	Purchase Order No.	Project No.	Amount	Vendor	Description
7/14/2016	6/21/2016	143205		140007	9183.49	Ohnstad Twichell, P.C.	Legal-ROW
7/28/2016	7/25/2016	143720		140007	10,787.00	Ohnstad Twichell, P.C.	Legal-ROW
06/23/16	06/22/16				708,253.00	Thte Title Company	Property purchase - Casey Johnson/Heather Westlund
7/5/2016	7/5/2016				37,975.50	William and Anne Kuzas	additional earnest money
7/14/2016	7/1/2016				7,034.25	Dave and Amy Andel	Closing costs
7/14/2016	7/1/2016				3,730.00	Dave and Amy Andel	Moving costs
7/15/2016	7/15/2016				3,175.00	The Title Company	moving costs - Romine
7/15/2016	7/15/2016				89,642.44	The Title Company	Price differential payment - Romine
7/14/2016	7/14/2016				666,069.69	The Title Company	Purchase property - Rieger
7/14/2016	7/14/2016				445,990.16	Northern Title	replacement property - Rieger
7/14/2016	7/14/2016				120,803.64	The Title Company	purchase property - Mattson
7/14/2016	7/14/2016				322,782.19	The Title Company	replacement property - Mattson
7/19/2016	7/18/2016				160,000.00	Michael E. Podolak and Brenda L. Podolak	new lot cost
7/19/2016	7/18/2016				20,000.00	Michael E. Podolak and Brenda L. Podolak	Builder down payment
7/20/2016	7/19/2016				775,311.60	The Title Company	purchase property - Rustvang
7/20/2016	7/19/2016				23,896.71	The Title Company	property purchase - Romine
7/20/2016	7/19/2016				16,000.00	Jeffrey J. Anderson and Catherine T. Anderson	additional earnest money
7/28/2016	6/20/2016			8 invoices	7,490.00	Valley Green and Associates	mowing and snow removal on Oxbow properties
7/28/2016	7/14/2016				2,253.50	Oxbow Golf and Country Club	mowing services
7/14/2016	6/25/2016				56.70	Cass Rural Water Users District	water at 4989 Klitzke Dr
7/14/2016	7/6/2016			16 invoices	1,432.95	Cass County Electric Cooperative	Service to various addresses
7/14/2016	6/20/2016	381069368		479407	103,398.12	CH2M Hill	Land acquisition Mgmt services for April/May (22%)
7/28/2016	7/22/2016	381073038		479407	34,223.06	CH2M Hill	Land acquisition Mgmt services for June (22%)
7/28/2016	7/22/2016	381073040		479407	6,700.00	CH2MHill	Construction Management
7/28/2016	4/30/2016	17057		2830-00	15,923.57	ProSource Technologies, LLC	Project Mgmt, acquisition, relocation-Apr
7/28/2016	5/31/2016	17123		2830-00	32,843.81	ProSource Technologies, LLC	Project Mgmt, acquisition, relocation-May
7/28/2016	7/15/2016	1339		2003	1,699.50	Houston-Moore Group	Project management during construction
7/14/2016	6/17/2016	A358319			73,177.53	Century Link	relocate copper cable facilities in Oxbow
7/14/2016	6/25/2016	5307			945.27	Sentry Security, Inc.	Security patrol services
7/14/2016	7/9/2016	5330			1,060.97	Sentry Security, Inc.	Security patrol services
7/28/2016	7/23/2016	5358			995.22	Sentry Security, Inc.	Security patrol services
				Total	**3,702,834.87**		

OXBOW GOLF AND COUNTRY CLUB INVOICES

Invoice Paid	Invoice Date	Invoice No.	Project No.	Amount	Vendor	Description
			Total	**0.00**		
			Grand Total	**4,408,733.99**		

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

June 25, 2016
Invoice No. 2446

RE: Metro Flood Project-General Legal Matters

For Legal Services Rendered Through June 25, 2016

INVOICE TOTAL

Total for Current Legal Fees	$7,008.00
Total for Current Disbursements and Service Charges	$
Total for Current Invoice	**$7,008.00**

Summary of Account

*Prior Balance Due	$
Total Amount Due	$7,008.00

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

We appreciate your business.

790-7910-429-33-25 V00102

505 Broadway Street North • Suite 206 • Fargo, ND 58102
Phone: (701) 280-1901 • • • Fax: (701) 280-1902

STATEMENT OF ACCOUNT FOR PROFESSIONAL SERVICES

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

July 25, 2016
Invoice No. 2458

RE: Metro Flood Project-General Legal Matters

For Legal Services Rendered Through July 25, 2016

INVOICE TOTAL

Total for Current Legal Fees	$4,729.50
Total for Current Disbursements and Service Charges	$
Total for Current Invoice	**$4,729.50**

Summary of Account

*Prior Balance Due	$
Total Amount Due	$4,729.50

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

We appreciate your business.

190-7910-429-33-25 V00102

DORSEY
DORSEY & WHITNEY LLP

MINNEAPOLIS OFFICE
612-340-2600

(Tax Identification No. 41-0223337)

RECEIVED
BY
DATE 7-25-16

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

July 21, 2016
Invoice No. 3291973

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

For Legal Services Rendered Through June 30, 2016

INVOICE TOTAL

Total For Current Legal Fees	$67,313.00
Total For Current Disbursements and Service Charges	$120.66
Total For Current Invoice	**$67,433.66**

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

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

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

ABA Routing Number: 091000022
Account Number: 1602-3010-8500
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

03053

CITY OF Fargo

Office of the City Attorney

City Attorney
Erik R. Johnson

Assistant City Attorney
Nancy J. Morris

July 29, 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 July 21, 2016 from the Dorsey & Whitney Firm in Minneapolis for their professional services rendered through June 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,

Erik R. Johnson

ERJ/lmw
Enclosure
cc: Bruce Grubb

OHNSTAD TWICHELL, P.C.
ATTORNEYS AT LAW

901 13TH AVENUE EAST, P.O. BOX 458
WEST FARGO, ND 58078-0458
(701) 282-3249

15-1395 JTS Invoice # 144042
Flood Diversion Board
Bond Counsel Work – PPP

16-0559 RGH Invoice #143779
Metro Flood Diversion Authority
4th Street Pump Station Litigation

To: **Flood Diversion Board**
PO Box 2806
Fargo, ND 58108-2806

DATE: August 8, 2016

AMOUNT REMITTED $_____

Please detach. Return upper portion with your payment.
Payments received after the statement date will be reflected on next month's statement. Thank you.

PROFESSIONAL SERVICES RENDERED

15-1395 JTS Invoice #144042 Flood Diversion Board Bond Counsel Work – PPP Research 1

Attorney	Hours	Rate	Fees
JTS	104.6	$290.00	$30,334.00
CMM	4.5	$290.00	$1,305.00
LDA	.40	$290.00	$116.00
RGH	1.5	$290.00	$435.00
KJB	124.70	$225.00	$28,057.50
TJL	70.70	$175.00	$12,372.50
CAS	2	$150.00	$300.00
AJM	84.50	$125.00	$10,562.50
HCG	.6	$125.00	$75.00
Total	**393.50**		**$83,557.50**
Expenses:			
Westlaw Research			$ 339.18
AT & T Conference Calls			$34.32
UPS			$8.67
Travel Expenses			$4,036.60
Grand Total			**$87,976.27**

* Drafting of documents and work streams related to financing, P3, and joint powers agreements.

	Hourly Rate
JTS - John T. Shockley, Partner, Supervising Attorney	$290.00
CMM - Christopher M. McShane, Partner	$290.00
LDA, Lucas D. Andrud, Partner	$290.00
RGH, Robert G. Hoy, Partner	$290.00
KJB - Katie J. Bertsch, Associate	$225.00
TJL – Tyler J. Leverington, Associate	$175.00
AJM - Andrea J. Murphy, Paralegal	$125.00

OHNSTAD TWICHELL, P.C.

15-1395 JTS Invoice # 144042
Flood Diversion Board
Bond Counsel Work – PPP

16-0559 RGH Invoice #143779
Metro Flood Diversion Authority
4th Street Pump Station Litigation

DATE: August 8, 2016

16-0559 RGH Invoice # 143779 Metro Flood Diversion Authority 4th Street Pump Station Litigation

Attorney	Hours	Rate	Fees
RGH	6.5	$290.00	$1,885.00
Grand Total	6.5		**$1,885.00**

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

FM Metropolitan Area Flood Risk Management Project
Fiscal Accountability Report Design Phase (Fund 790)
As of 7/31/2016

	2011	2012	2013	2014	2015	2016	Cumulative Totals
Revenues							
City of Fargo	443,138	7,652,681	7,072,961	19,373,131	28,310,373	10,269,812	73,122,096
Cass County	443,138	7,652,681	7,072,961	19,373,131	28,310,373	25,404,199	88,256,483
State Water Commission	-	-	3,782,215	602,918	31,056,740	59,523,849	94,965,721
Other Agencies	98,475	1,700,595	1,571,769	4,305,140	6,291,194	(13,337,173)	630,000
Reimbursements	-	-	-	-	-	16,631	16,631
Lease/Rental Payments	-	-	17,358	154,180	180,341	253,306	605,185
Asset Sales	-	-	-	616,774	315,892	175,190	1,107,856
Miscellaneous	-	-	1,705	626	427	-	2,758
Total Revenues	**984,750**	**17,005,957**	**19,518,970**	**44,425,900**	**94,465,339**	**82,305,813**	**258,706,730**
Expenditures							
7905 Army Corp Payments	-	-	875,000	1,050,000	2,725,000	2,279,000	6,929,000
7910 WIK - Administration	107,301	331,321	77,614	169,019	282,227	148,377	1,115,858
7915 WIK - Project Design	149,632	5,366,147	3,220,859	9,118,723	4,660,226	2,040,406	24,555,993
7920 WIK - Project Management	679,037	7,223,650	4,695,477	3,579,339	4,500,955	4,018,321	24,696,780
7925 WIK - Recreation	-	163,223	-	-	-	-	163,223
7930 LERRDS - North Dakota	48,664	3,843,620	2,763,404	17,013,358	55,948,209	24,646,813	104,264,067
7931 LERRDS - Minnesota	-	27,996	289,387	13,068	32,452	273,195	636,097
7940 WIK Mitigation - North Dakota	-	-	-	587,180	-	-	587,180
7941 WIK Mitigation - Minnesota	-		-	-	-	-	-
7950 Construction - North Dakota	-	-	-	1,738,638	19,269,055	19,547,065	40,554,758
7951 Construction - Minnesota	-	-	-	-	-	-	-
7952 Construction - O/H/B	-	-	-	11,282,504	5,044,001	664,612	16,991,118
7955 Construction Management	-	-	-	556,209	2,867,422	2,854,511	6,278,142
7990 Project Financing	-	50,000	70,000	216,376	566,600	2,100,867	3,003,843
7995 Project Eligible - Off Formula Costs	-	-	-	-	-	-	-
7999 Non Federal Participating Costs	116	-	-	-	-	-	116
Total Expenditures	**984,750**	**17,005,957**	**11,991,740**	**45,324,414**	**95,896,147**	**58,573,167**	**229,776,175**

FM Metropolitan Area Flood Risk Management Project
Statement of Net Position
July 31, 2016

		Amount
Assets		
Cash	$	14,589,422
Receivables		
State Water Commission		12,406,678
Cass County		2,288,208
Proceeds from Oxbow Lot Sales		3,138,687
Total assets		**32,422,994**
Liabilities		
Vouchers payable		12,556
Retainage payable		3,479,884
Total liabilities		**3,492,440**
NET POSITION	**$**	**28,930,555**

FM Metropolitan Area Flood Risk Management Project
FY 2016 Summary Budget Report (In Thousands)
As of July 31, 2016

	FY 2016 Approved Budget	Current Month	Fiscal Year To Date	% Expended	Outstanding Encumbrances	Remaining Budget Balance
Revenue Sources						
City of Fargo	39,375	(67)	10,270			29,105
Cass County	39,375	16,109	25,404			13,971
State of ND - 50% Match	40,100	(5,876)	10,380			29,720
State of ND - 100% Match	109,900	45,003	49,144			60,756
State of Minnesota	-	-	-			-
Other Agencies	8,750	(15,352)	(13,337)			22,087
City of Oxbow MOU Repayments	-	(4,389)	-			-
Financing Proceeds	-	-	-			-
Reimbursements	-	-	17			(17)
Sale of Assets	-	-	175			(175)
Property Income	-	-	253			(253)
Miscellaneous	-	-	-			-
Total Revenue Sources	**237,500**	**35,427**	**82,306**			**155,194**
Funds Appropriated						
Army Corp Local Share	-	-	2,279		-	(2,279)
Management Oversight	11,340	2,638	7,021	62%	10,076	(5,757)
Technical Activities	7,500	455	2,040	27%	2,781	2,679
Land Acquisitions	109,900	1,893	24,920	23%	39,076	45,904
Construction	105,000	5,469	20,212	19%	33,258	51,530
Mitigation	2,200	-	-	0%	366	1,834
Other Costs	1,560	344	2,101	135%	2,412	(2,953)
Total Appropriations	**237,500**	**10,798**	**58,573**	**25%**	**87,969**	**90,958**

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790-0000-206.10-00	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	256,933.39	RILEY BROS. CONSTUCTION	V01203	Cass Joint Water OHB
				256,933.39			
790-7910-429.33-20	8/1/2016	JB07160017	CITY OF FARGO	900.00	CHARGE COF TIME - 7/16	V00102	General & Admin. WIK
			Total WIK - General & Admin. - Accounting Services	**900.00**			
790-7910-429.33-25	7/20/2016	269687	OXBOW, CITY OF	114.00	OHNSTAD TWICHELL	V02407	OXBOW MOU-LEGAL SERVICES
	7/20/2016	269687	OXBOW, CITY OF	760.16	OHNSTAD TWICHELL	V02407	OXBOW MOU-LEGAL SERVICES
	7/20/2016	269687	OXBOW, CITY OF	548.00	OHNSTAD TWICHELL	V02407	OXBOW MOU-LEGAL SERVICES
	7/20/2016	269687	OXBOW, CITY OF	84.00	OHNSTAD TWICHELL	V02407	OXBOW MOU-LEGAL SERVICES
	7/20/2016	269687	OXBOW, CITY OF	149.32	OHNSTAD TWICHELL	V02407	OXBOW MOU-LEGAL SERVICES
	7/20/2016	269687	OXBOW, CITY OF	4,281.50	TURMAN & LANG	V02407	OXBOW MOU-LEGAL SERVICES
	7/4/2016	564	P CARD BMO	2,523.00	OHNSTAD TWICHELL ATTOR	V00102	General & Admin. WIK
	7/20/2016	269604	ERIK R JOHNSON & ASSOCIATES	8,167.10	FLOOD LEGAL SERVICES	V00102	General & Admin. WIK
			Total WIK - General & Admin. - Legal Services	**16,627.08**			
790-7910-429.38-68	7/4/2016	564	P CARD BMO	3,500.00	FREDRIKSON AND BYRON P	V00102	General & Admin. WIK
			Total WIK - General & Admin. - Lobbyist	**3,500.00**			
790-7915-429.33-05	7/20/2016	269687	OXBOW, CITY OF	1,830.55	MOORE ENGINEERING, INC	V02402	OXBOW MOU-PRELIM ENGINRNG
	7/20/2016	269687	OXBOW, CITY OF	284.70	MOORE ENGINEERING, INC	V02420	OXBOW MOU-MOORE ENG TO #6
	7/20/2016	269687	OXBOW, CITY OF	15,000.00	MOORE ENGINEERING, INC	V02419	OXBOW MOU-MOORE ENG TO #5
	7/6/2016	269264	HOUSTON-MOORE GROUP LLC	218,464.31	LEVEE DESIGN & SUPPORT	V01613	LEVEE DESIGN & SUPPORT
	7/13/2016	269453	HOUSTON-MOORE GROUP LLC	3,113.67	RECREATION USE MASTER PLN	V01607	RECREATION/USE MASTER PLN
	7/20/2016	269628	HOUSTON-MOORE GROUP LLC	591.94	LEVEE DESIGN & SUPPORT	V01613	LEVEE DESIGN & SUPPORT
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	5,218.93	MASTER PLAN & DESIGN	V01607	RECREATION/USE MASTER PLN
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	7,035.26	WROK IN KIND	V01608	WORK-IN-KIND (WIK)
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	51,113.00	HYDROLOGY/HYDRAULIC TEST	V01609	HYDROLOGY/HYDRAULIC MODEL
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	112,456.92	LEVEE DESIGN & SUPPORT	V01613	LEVEE DESIGN & SUPPORT
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	471.00	OPERATIONS PLAN	V01615	DRAFT OPERATIONS PLAN
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	3,323.50	PERMIT SUBMITTAL PREP	V01616	PERMIT SUBMITTAL PREP
	7/27/2016	269936	URS CORPORATION	23,548.74	CULTURAL RESOURCES INVEST	V01003	CULTURAL RESOURCES INVEST
	7/27/2016	269936	URS CORPORATION	12,050.00	CULTURAL RESOURCES INVEST	V01003	CULTURAL RESOURCES INVEST
			Total WIK - Project Design - Engineering Services	**454,502.52**			

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790-7920-429.33-05	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	193,557.37	DIVERSION PROJECT MGMT	V01601	HMG - PROJECT MANAGEMENT
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	60,197.08	DIVERSION PROJECT MGMT	V01601	HMG - PROJECT MANAGEMENT
Total WIK Construction Mgmt. - Engineering Services				**253,754.45**			
790-7920-429.33-79	7/20/2016	269687	OXBOW, CITY OF	7,794.60	MOORE ENGINEERING, INC	V02421	OXBOW MOU-MOORE PROJ MGMT
	7/13/2016	269418	CH2M HILL ENGINEERS INC	700,000.00	MANAGEMENT TECH OUTREACH	V00206	CH2M HILL-2.27-11.25.16
	7/13/2016	269418	CH2M HILL ENGINEERS INC	700,000.00	MANAGEMENT OUTREACH P3	V00206	CH2M HILL-2.27-11.25.16
Total WIK Construction Mgmt. - Construction Management				**1,407,794.60**			
790-7930-429.33-05	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	25,519.26	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	31,265.13	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	55,537.17	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	91,558.58	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	62,607.93	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	29,492.06	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	28,449.24	HOUSTON-MOORE GROUP	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	1,932.25	PROSOURCE TECHNOLOGIES.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	35,633.31	PROSOURCE TECHNOLOGIES.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	28,983.42	PROSOURCE TECHNOLOGIES.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	26,584.11	PROSOURCE TECHNOLOGIES.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	469.73	PROSOURCE TECHNOLOGIES.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	2,480.41	PROSOURCE TECHNOLOGIES.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	8,849.48	ULTEIG ENGINEERS	V01203	Cass Joint Water OHB
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	2,756.50	UTILITIES DESIGN	V01610	UTILITIES DESIGN
	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	36,621.96	DESIGN OF WORK PACKAGE	V01618	WP28 - CR-16/CR-17 BRIDGE
Total LERRDS - North Dakota - Engineering Services				**468,740.54**			
790-7930-429.33-25	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	180.00	OHNSTAD TWICHELL, P.C.	V01202	Cass Joint Water DPAC
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	6,632.12	OHNSTAD TWICHELL, P.C.	V01202	Cass Joint Water DPAC
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	18,059.00	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	99.00	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	351.00	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	342.00	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	16,969.89	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	11,691.18	OHNSTAD TWICHELL, P.C.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	6,264.00	OHNSTAD TWICHELL, P.C.	V01201	Cass Joint Water ROE
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	66.00	LARKIN HOFFMAN ATTORNEYS	V01201	Cass Joint Water ROE

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	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	3,116.00	LARKIN HOFFMAN ATTORNEYS	V01201	Cass Joint Water ROE
	7/27/2016	269817	ERIK R JOHNSON & ASSOCIATES	561.00	LEGAL SERVICES	V00103	General & Admin. LERRDS
			Total LERRDS - North Dakota - Legal Services	**64,331.19**			
790-7930-429.33-79	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	39,825.59	CH2MHILL	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	141,199.81	CH2MHILL	V02807	CASS JOINT WATER IN-TOWN
			Total LERRDS - North Dakota - Construction Management	**181,025.40**			
790-7930-429.38-61	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	1,381.86	SENTRY SECURITY, INC.	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	1,179.77	SENTRY SECURITY, INC.	V01203	Cass Joint Water OHB
			Total LERRDS - North Dakota - Security Services	**2,561.63**			
790-7930-429.52-10	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	2.00	DAWSON INSURANCE	V01703	ND LAND PURCH - IN TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	6.00	DAWSON INSURANCE	V01701	ND LAND PURCH-OUT OF TOWN
			Total LERRDS - North Dakota - Property Insurance	**8.00**			
790-7930-429.62-51	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	32.04	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	70.55	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	84.34	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	32.91	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	75.52	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	24.23	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	145.29	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	29.96	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	39.46	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	28.14	CASS COUNTY ELECTRIC COOP	V01702	ND LAND PURCHASE-HARDSHIP
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	44.74	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	40.16	CASS COUNTY ELECTRIC COOP	V01701	ND LAND PURCH-OUT OF TOWN
			Total LERRDS - North Dakota - Electricity	**647.34**			
790-7930-429.67-11	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	629,541.18	THE TITLE COMPANY	V02411	OXBOW MOU-RESIDENT RLCTN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	4,500.00	THE APARTMENT MOVERS	V02411	OXBOW MOU-RESIDENT RLCTN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	1,398.00	JOSEPH & JOLENE SAUVAGEAU	V02411	OXBOW MOU-RESIDENT RLCTN
			Total LERRDS - North Dakota - Residential Buildings	**635,439.18**			

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790-7930-429.67-12	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	91,240.00	OXBOX GOLF & COUNTRY CLUB	V01204	Cass Joint Water OCC
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	66,360.00	OXBOX GOLF & COUNTRY CLUB	V01204	Cass Joint Water OCC
			Total LERRDS - North Dakota - Commercial Buildings	**157,600.00**			
790-7930-429.71-30	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	382,634.10	THE TITLE COMPANY	V01701	ND LAND PURCH-OUT OF TOWN
			Total LERRDS - North Dakota - Land Purchases	**382,634.10**			
790-7950-429.73-20	7/20/2016	269650	LANDWEHR CONSTRUCTION INC	156,208.50	DEMO WORK	V02816	DOWNTOWN AREA DEMOLITION
			Total ND Construction - Site Improvements	**156,208.50**			
790-7950-429.73-52	7/27/2016	269842	INDUSTRIAL BUILDERS INC	21,903.32	2 ST N PUMP STATION CONST	V02801	2ND ST NORTH PUMP STATION
	7/27/2016	269842	INDUSTRIAL BUILDERS INC	2,339,831.81	2 ST N FLOOD CONTROL	V02819	2ND ST N FLOODWALL
	7/27/2016	269842	INDUSTRIAL BUILDERS INC	2,252,276.44	2 ST FLOODWALL & PUMP STA	V02812	2ND ST NORTH FLOODWALL
	7/27/2016	269842	INDUSTRIAL BUILDERS INC	192,524.00	MICKELSON LEVEE EXTENSION	V02818	MICKELSON LEVEE EXTENSION
	7/20/2016	269632	INDUSTRIAL CONTRACT SERVICES INC	368,515.40	PUMP STATION & FLOOD WALL	V02805	PUMP STATION & FLOODWALL
			Total ND Construction - Flood Control	**5,175,050.97**			
790-7950-429.73-70	7/13/2016	269420	CONSOLIDATED COMMUNICATIONS	23,267.56	WP-42 IN-TOWN LEVEES	V02803	EVENTIS WP42 UTILITY RLCT
	7/13/2016	269420	CONSOLIDATED COMMUNICATIONS	5,643.22	SOUTH ROUTE AGREEMENT	V02803	EVENTIS WP42 UTILITY RLCT
		0	CONSOLIDATED COMMUNICATIONS	11,792.99	INTOWN LEVEE UTILITY RELO	V02803	EVENTIS WP42 UTILITY RLCT
		0	CONSOLIDATED COMMUNICATIONS	762.86	SOUTH ROUTE	V02803	EVENTIS WP42 UTILITY RLCT
			Total ND Construction - Utilities	**41,466.63**			
790-7952-429.73-20	7/20/2016	269687	OXBOW, CITY OF	96,583.26	HOUGH, INC.	V02417	OXBOW MOU-INTAKE/PUMP SYS
			Total O/H/B Construction - Site Improvements	**96,583.26**			
790-7955-429.33-05	7/20/2016	269628	HOUSTON-MOORE GROUP LLC	376,932.50	CONST WORK PKG 42	V02806	CONSTRUCTION SVCS WP42
			Total Construction Management - Engineering Services	**376,932.50**			
790-7955-429.33-06	7/13/2016	269544	TERRACON CONSULTING ENGINEERS	3,755.50	WP-42 MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
	7/13/2016	269544	TERRACON CONSULTING ENGINEERS	1,155.00	WP-42 MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
	7/13/2016	269544	TERRACON CONSULTING ENGINEERS	29,060.00	WP-42 MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
	7/13/2016	269544	TERRACON CONSULTING ENGINEERS	165.00	WP-42 MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
	7/20/2016	269719	TERRACON CONSULTING ENGINEERS	5,850.00	MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
	7/20/2016	269719	TERRACON CONSULTING ENGINEERS	2,739.25	MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING

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	7/20/2016	269719	TERRACON CONSULTING ENGINEERS	10,621.00	MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
	7/20/2016	269719	TERRACON CONSULTING ENGINEERS	24,790.90	MATERIALS TESTING	V02802	WP-42 MATERIALS TESTING
			Total Construction Management - Quality Testing	**78,136.65**			
790-7955-429.33-79	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	249,500.00	CH2MHILL	V02807	CASS JOINT WATER IN-TOWN
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	500.00	CH2MHILL	V01203	Cass Joint Water OHB
	7/27/2016	269795	CASS COUNTY JOINT WATER RESOURCE DI	250,000.00	CH2MHILL	V02807	CASS JOINT WATER IN-TOWN
			Total Construction Management - Construction Management	**500,000.00**			
790-7990-429.33-05	7/27/2016	269840	HOUSTON-MOORE GROUP LLC	2,737.00	DOCUMENT PREP SUPPORT	V01619	PPP DOCUMENT PREP SUPPRT
			Total Project Financing - Engineering Services	**2,737.00**			
790-7990-429.33-25	7/4/2016	564	P CARD BMO	76,751.58	OHNSTAD TWICHELL ATTOR	V00102	General & Admin. WIK
	7/13/2016	269402	ASHURST LLP	203,808.87	PPP LEGAL COUNSEL	V03001	P3 LEGAL COUNSEL-ASHURST
			Total Project Financing - Legal Services	**280,560.45**			
790-7990-429.34-55	7/20/2016	269711	SPRINGSTED INCORPORATED	24,136.77	FINANCIAL ANALYSIS	V03101	FINANCIAL ADVISORY SERVCS
			Total Project Financing - Financial Advisor	**24,136.77**			
790-7990-520.80-20	7/1/2016	JB07160001	CITY OF FARGO	36,458.33	US BANK INTEREST PAYMENT	V02902	$50M FARGO USBANK ADVANCE
			Total Project Financing - Interest On Bonds	**36,458.33**			
			Total Disbursed for Period	**11,055,270.48**			

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Cumulative Vendor Payments Since Inception
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Vendor Name	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
CASS COUNTY JOINT WATER RESOUR	$ 146,129,762.60	$ 102,394,833.25	$ 43,734,929.35	Land Purchases, O/H/B Ring Levee, DPAC, & ROE
INDUSTRIAL BUILDERS INC	39,202,056.26	20,813,638.54	18,388,417.72	2nd St North Pump Station Project and 2nd Street Floodwall
HOUSTON-MOORE GROUP LLC	33,487,417.10	27,555,937.63	5,931,479.47	Engineering Services
CH2M HILL ENGINEERS INC	25,985,819.01	20,765,819.01	5,220,000.00	Project & Construction Management
INDUSTRIAL CONTRACT SERVICES I	17,364,063.63	14,807,037.68	2,557,025.95	4th St Pump Station and 2nd Street Floodwall
OXBOW, CITY OF	15,324,100.20	14,553,228.76	770,871.44	City of Oxbow - MOU
ARMY CORP OF ENGINEERS	6,929,000.00	6,929,000.00	-	Local Share
DORSEY & WHITNEY LLP	3,060,608.51	3,060,608.51	-	Legal Services
CENTURYLINK COMMUNICATIONS	2,660,937.92	74,195.92	2,586,742.00	Utility Relocation
MINNESOTA DNR	2,325,472.35	2,325,472.35	-	EIS Scoping
LANDWEHR CONSTRUCTION INC	2,079,376.59	2,048,267.31	31,109.28	In-Town Demolition Contracts
ASHURST LLP	1,979,133.70	700,962.26	1,278,171.44	PPP Legal Counsel
URS CORPORATION	1,922,118.42	1,646,053.67	276,064.75	Engineering Services
CONSOLIDATED COMMUNICATIONS	1,731,312.00	958,799.05	772,512.95	Utility Relocation
KENNELLY & OKEEFFE	1,729,110.56	1,729,110.56	-	Home Buyouts
REINER CONTRACTING INC	1,542,795.94	653,149.57	889,646.37	El Zagal Flood Risk Management
JP MORGAN CHASE-LOCKBOX PROCES	1,527,000.00	533,971.00	993,029.00	Financial Advisor
HOUGH INCORPORATED	1,448,373.17	-	1,448,373.17	2nd Street South Flood Control
ACONEX (NORTH AMERICA) INC	1,322,146.00	-	1,322,146.00	Electronic Data Mgmt and Record Storage System
XCEL ENERGY	925,076.69	190,530.93	734,545.76	Utility Relocation
MOORE ENGINEERING INC	662,468.17	662,468.17	-	Engineering Services
US BANK	626,849.03	626,849.03	-	Loan Advance Debt Service Payments
TERRACON CONSULTING ENGINEERS	607,500.00	459,016.99	148,483.01	Materials Testing
DUCKS UNLIMITED	587,180.00	587,180.00	-	Wetland Mitigation Credits
HOUSTON ENGINEERING INC	576,669.57	576,669.57	-	Engineering Services
AT&T	569,404.44	569,404.44	-	Utility Relocation
RED RIVER BASIN COMMISSION	500,000.00	500,000.00	-	Retention Projects - Engineering Services
CITY OF FARGO	496,228.92	481,508.92	14,720.00	Digital Imagery Project, Utility Relocation, Accounting Svcs, and US Bank Loan Advance DS Payments
NORTHERN TITLE CO	484,016.00	484,016.00	-	Land Purchases
ERIK R JOHNSON & ASSOCIATES	483,867.71	476,859.71	7,008.00	Legal Services

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As of July 31, 2016

Vendor Name	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
CASS COUNTY TREASURER	446,632.45	446,632.45	-	Property Taxes and US Bank Loan Advance DS Payments
OHNSTAD TWICHELL PC	392,405.65	392,405.65	-	ROE and Bonding Legal Fees
702 COMMUNICATIONS	326,243.91	266,892.07	59,351.84	Utility Relocation
BUFFALO-RED RIVER WATERSHED DI	220,768.00	-	220,768.00	Retention Projects - Engineering Services
ROBERT TRENT JONES	200,000.00	200,000.00	-	Oxbow MOU - Golf Course Consulting Agreement
CABLE ONE (FARGO)	148,511.37	-	148,511.37	Utility Relocation
PFM PUBLIC FINANCIAL MANAGEMEN	146,460.00	146,460.00	-	Financial Advisor
BOIS DE SIOUX WATERSHED DISTRI	145,380.00	-	145,380.00	Retention Projects - Engineering Services
NDSU BUSINESS OFFICE-BOX 6050	135,167.00	135,167.00	-	Ag Risk Study Services
ENVENTIS	115,685.62	115,685.62	-	Utility Relocation
BEAVER CREEK ARCHAEOLOGY	111,000.00	70,438.32	40,561.68	Engineering Services
UNITED STATES GEOLOGICAL SURVE	104,600.00	104,600.00	-	Water Level Discharge Collection
FREDRIKSON & BYRON, PA	101,500.00	63,000.00	38,500.00	Lobbying Services
PROSOURCE TECHNOLOGIES, INC	100,000.00	8,324.94	91,675.06	Vibrating Wire Piezometer Equipment
ULTEIG ENGINEERS INC	100,000.00	-	100,000.00	Engineering Services
BRAUN INTERTEC CORP	90,210.00	77,629.00	12,581.00	Quality Testing
EL ZAGAL TEMPLE HOLDING CO	68,040.72	68,040.72	-	Easement Purchase for El Zagal Levee
GRAY PANNELL & WOODWARD LLP	66,300.68	66,300.68	-	Legal Services
NIXON PEABODY LLC	60,000.00	60,000.00	-	Legal Services
IN SITU ENGINEERING	54,800.00	47,973.00	6,827.00	Quality Testing
ADVANCED ENGINEERING INC	50,000.00	50,000.00	-	Public Outreach
US GEOLOGICAL SURVEY	46,920.00	46,920.00	-	Stage Gage Installation
SPRINGSTED INCORPORATED	40,320.77	40,320.77	-	Financial Advisor
CLAY COUNTY AUDITOR	34,180.71	34,180.71	-	Property Tax, Home Buyout Demo
GEOKON INC	33,815.36	33,815.36	-	Vibrating Wire Piezometer Equipment
COLDWELL BANKER	33,066.02	33,066.02	-	Property Management Services
WARNER & CO	24,875.00	24,875.00	-	General Liability Insurance
PRIMORIS AEVENIA INC	16,230.00	16,230.00	-	Utility Relocation
MOORHEAD, CITY OF	15,062.90	15,062.90	-	ROE Legal Fees
BRIGGS & MORGAN PA	12,727.56	12,727.56	-	Legal Services

FM Metropolitan Area Flood Risk Management Project
Cumulative Vendor Payments Since Inception
As of July 31, 2016

Vendor Name	Approved Contract/Invoice Amount	Liquidated	Outstanding Encumbrance	Purpose
ND WATER USERS ASSOCIATN	10,000.00	10,000.00	-	Membership Dues
ONE	3,575.00	3,575.00	-	Utility Relocation
MCKINZIE METRO APPRAISAL	3,200.00	3,200.00	-	Appraisal Services
BNSF RAILWAY CO	2,925.00	2,925.00	-	Permits for In-Town Levee Projects
FORUM COMMUNICATIONS (LEGALS)	2,224.20	2,224.20	-	Advertising Services
DAWSON INSURANCE AGENCY	1,867.81	1,867.81	-	Property Insurance - Home Buyouts
FORUM COMMUNICATIONS (ADVERT)	1,743.77	1,743.77	-	Advertising Services
NORTH DAKOTA TELEPHONE CO	1,697.00	1,697.00	-	Communication
SEIGEL COMMUNICATIONS SERVICE	1,490.00	1,490.00	-	Public Outreach
HUBER, STEVE	1,056.43	1,056.43	-	Home Buyouts
DEPT OF NATURAL RESOUR	1,000.00	1,000.00	-	DNR Dam Safety Permit Application Fee
TRIO ENVIRONMENTAL CONSULTING	747.60	747.60	-	Asbestos and LBP Testing - Home Buyouts
RED RIVER TITLE SERVICES INC	675.00	675.00	-	Abstract Updates
RED RIVER VALLEY COOPERATIVE A	536.96	536.96	-	Electricity - Home Buyouts
FERRELLGAS	496.00	496.00	-	Propane - Home Buyouts
BROKERAGE PRINTING	473.33	473.33	-	Custom Printed Forms
KOCHMANN, CARTER	315.00	315.00	-	Lawn Mowing Services
GALLAGHER BENEFIT SERVICES INC	250.00	250.00	-	Job Description Review
DONS PLUMBING	240.00	240.00	-	Winterize - Home Buyouts
CURTS LOCK & KEY SERVICE INC	138.10	138.10	-	Service Call - Home Buyouts
GOOGLE LOVEINTHEOVEN	116.00	116.00	-	Meeting Incidentals
FEDERAL EXPRESS CORPORATION	71.89	71.89	-	Postage
Grand Total	**$ 317,745,607.30**	**$ 229,776,175.69**	**$ 87,969,431.61**	

FM Metropolitan Area Flood Risk Management Project
In-Town Levee Work
as of July 31, 2016

Vcode #	Vendor Name	Descriptions	Contract Amount	Amount Paid
V02801	Industrial Builders	WP42.A2 - 2nd Street North Pump Station	$ 8,672,342.63	$ 8,396,517.63
V02802	Terracon Consulting	WP-42 (In Town Levees) Materials Testing	607,500.00	459,016.99
V02803	Consolidated Communications	2nd Street Utility Relocation	1,846,997.62	1,074,484.67
V02804	702 Communications	2nd Street Utility Relocation	326,243.91	266,892.07
V02805	ICS	WP-42A.1/A.3 - 4th St Pump Station & Gatewell and 2nd St Floodwall S	17,364,663.63	14,807,637.68
V02806	HMG	WP42 - Services During Construction	4,932,000.00	2,465,222.78
V02807	CCJWRD	In-Town Levee Work	5,112,589.18	4,183,015.13
V02808	City of Fargo	Relocation of fiber optic along 2nd Street North	52,722.05	38,002.05
V02809	AT & T	2nd Street Utility Relocation	569,404.44	569,404.44
V02810	Cable One	2nd Street Utility Relocation	148,511.37	-
V02811	Xcel Energy	2nd Street & 4th Street Utility Relocations	925,076.69	190,530.93
V02812	Industrial Builders	WP-42F.1S - 2nd Street North Floodwall, South of Pump Station	16,835,104.58	8,649,553.75
V02813	Landwehr Construction	Park East Apartments Demolition	1,177,151.74	1,169,651.74
V02814	Primoris Aevenia	2nd Street Utility Relocation	16,230.00	16,230.00
V02815	Centurylink Communications	2nd Street Utility Relocation	2,660,937.92	74,195.92
V02816	Landwehr Construction	WP-42C.1 - In-Town Levees 2nd Street/Downtown Area Demo	902,224.85	878,615.57
V02817	Reiner Contracting, Inc	WP-42H.2 - El Zagal Area Flood Risk Management	1,542,795.94	653,149.57
V02818	Industrial Builders	WP-42I.1 - Mickelson Levee Extension	724,910.00	307,744.00
V02819	Industrial Builders	WP42F.1N - 2nd Street North	12,972,024.05	3,462,148.16
V02820	CH2M Hill	WP42 - Construction Management Services	1,020,000.00	-
V02821	Hough Incorporated	WP42F.2 - 2nd Street South	1,448,373.17	-
V01703	Various	In-Town Property Purchases	38,880,895.13	30,329,358.16
			$ 118,738,698.90	$ 77,991,371.24

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of July 31, 2016

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Tax Payment	Relocation Assistance	Property Management Expense	Property Management Income	Sale Proceeds	Total
Commercial Relocations - Fargo									
Park East Apartments - 1 2nd St S	6/23/2015	9,002,442.20	-	94,832.78	1,367,581.09	74,283.50	(2,166.32)	-	10,536,973.25
Howard Johnson - 301 3rd Ave N	11/2/2015	3,266,079.60	-	-	3,271,847.09	35,438.80	-	(1,100.00)	6,572,265.49
Fargo Public School District - 419 3rd St N	3/16/2016	1,903,475.78	-	-	7,550,036.23	-	(23.00)	-	9,453,489.01
Home Buyouts - Fargo									
1322 Elm St N	11/19/2014	347,270.27	-	2,981.20	47,168.14	2,595.24	-	-	400,014.85
1326 Elm St N	12/23/2014	230,196.41	-	-	8,001.02	297.09	-	-	238,494.52
1341 N Oak St	1/29/2015	309,888.24	-	3,153.40	78,889.24	64.79	-	-	391,995.67
1330 Elm St N	2/12/2015	229,982.44	-	651.52	62,362.63	775.28	-	-	293,771.87
18 North Terrace N	4/2/2015	129,698.25	-	829.15	44,688.72	383.94	-	-	175,600.06
1318 Elm St N	5/29/2015	229,012.67	-	1,289.52	55,452.01	50.00	-	-	285,804.20
724 North River Road	6/8/2015	204,457.83	-	1,547.60	35,615.30	109.35	-	(10,000.00)	231,730.08
1333 Oak Street N	6/24/2015	238,513.23	-	1,627.75	4,033.00	50.00	-	-	244,223.98
26 North Terrace N	9/11/2015	138,619.58	-	1,737.30	12,620.00	118.50	-	-	153,095.38
16 North Terrace N	9/24/2015	227,987.50	-	2,072.31	96,717.14	202.29	-	-	326,979.24
24 North Terrace N	11/25/2015	182,437.38	-	1,606.21	29,269.60	234.63	-	-	213,547.82
1314 Elm Street N	12/18/2015	225,800.09	-	-	21,525.00	161.43	-	-	247,486.52
12 North Terrace N	2/9/2016	10,191.00	-	-	-	-	-	-	10,191.00
1313 Elm Street N		350,000.00	-	-	3,360.00	-	-	-	353,360.00
Home Buyouts - Moorhead									
387 170th Ave SW	11/1/2013	281,809.91	-	2,354.00	-	34,073.72	-	(8,440.00)	309,797.63
16678 3rd St S		-	192,600.00	-	80,210.80	-	-	-	272,810.80
Home Buyouts - Oxbow									
105 Oxbow Drive	11/28/2012	216,651.85	-	4,993.72	-	13,695.77	(18,680.72)	(181,249.54)	35,411.08
744 Riverbend Rd	12/3/2012	343,828.30	-	14,276.50	2,435.00	39,536.48	(37,617.16)	-	362,459.12
121 Oxbow Drive	7/31/2013	378,781.20	-	1,581.52	-	19,519.02	-	(186,918.33)	212,963.41
333 Schnell Drive	9/20/2013	104,087.79	-	4,302.38	-	30,137.65	-	-	138,527.82
346 Schnell Drive	2/13/2014	512,970.73	-	6,638.91	7,200.00	13,943.93	(18,000.00)	-	522,753.57
345 Schnell Drive	10/24/2014	478,702.98	-	6,453.35	6,869.44	35,219.98		-	527,245.75
336 Schnell Drive	1/29/2015	310,888.51	-	2,376.26	185,620.00	359.78	(2,759.00)	-	496,485.55
5059 Makenzie Circle	5/21/2015	2,698,226.97	-	5,095.25	10,549.70	7,864.31	(3,850.00)	-	2,717,886.23
357 Schnell Dr / 760 River Bend Rd	6/18/2015	466,720.80	-	6,643.74	176,524.79	1,118.87	-	-	651,008.20
349 Schnell Dr / 761 River Bend Rd	6/26/2015	306,725.20	-	2,234.53	309,992.53	1,156.47	-	-	620,108.73
748 Riverbend Rd / 755 River Bend Rd	9/1/2015	480,784.30	-	4,002.89	205,699.82	181.53	-	-	690,668.54
361 Schnell Dr / 764 River Bend Rd	9/2/2015	490,091.32	-	3,554.24	267,757.65	2,005.40	-	-	763,408.61
752 Riverbend Rd / 768 River Bend Rd	9/4/2015	469,078.13	-	7,007.30	507,103.56	1,210.86	-	-	984,399.85
353 Schnell Dr / 772 River Bend Rd	9/11/2015	494,342.87	-	2,818.16	312,212.95	1,706.59	-	-	811,080.57
SE 1/4-23-137-49 & NW 1/4 SW 1/4 24-137-49 - Heitman	9/30/2015	1,328,151.00	-	1,710.55	-	36.67	(17,966.31)	-	1,311,931.91
350 Schnell Dr / 769 River Bend Rd	12/15/2015	491,024.01	-	-	279,237.35	-	-	-	770,261.36
365 Schnell Drive	1/7/2016	125,077.88	-						125,077.88
852 Riverbend Rd	1/11/2016	1,222,608.19	-		10,891.60	1,242.99			1,234,742.78
334 Schnell Dr / 751 River Bend Rd	1/15/2016	321,089.77	-	-	284,349.88	384.11	-	-	605,823.76
749 Riverbend Rd / 433 Trent Jones Dr	2/1/2016	598,885.43	-	-	469,875.64	607.51	-	-	1,069,368.58
326 Schnell Drive	2/19/2016	326,842.17	-	-	220,673.09	152.49	-	-	547,667.75
309 Schnell Dr / 325 Trent Jones Dr	5/12/2016	539,895.97	-	-	561,322.28	-	-	-	1,101,218.25
810 Riverbend Rd / 787 River Bend Rd	6/6/2016	672,134.10	-	-	629,541.18	-	-	-	1,301,675.28
829 Riverbend Rd / 788 River Bend Rd		-	-	-	8,000.00	-	-	-	8,000.00

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of July 31, 2016

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Tax Payment	Relocation Assistance	Property Management Expense	Property Management Income	Sale Proceeds	Total
828 Riverbend Rd		-	25,000.00	-	-	-	-	-	25,000.00
330 Schnell Drive		-	150,000.00	-	-	-	-	-	150,000.00
839 Riverbend Road		-	1,000,000.00	-	-	-	-	-	1,000,000.00
844 Riverbend Road		-	400,000.00	-	-	-	-	-	400,000.00
328 Schnell Dr / 347 Trent Jones Dr		-	200,000.00	-	-	-	-	-	200,000.00
338 Schnell Dr / 775 River Bend Rd		-	222,500.00	-	-	-	-	-	222,500.00
813 Riverbend Rd / 449 Trent Jones Dr		-	228,000.00	-	-	-	-	-	228,000.00
341 Schnell Dr / 351 Trent Jones Dr		-	238,500.00	-	-	-	-	-	238,500.00
329 Schnell Dr / 417 Trent Jones Dr		-	180,000.00	-	-	-	-	-	180,000.00
805 Riverbend Rd / 776 River Bend Rd		-	220,855.00	-	-	-	-	-	220,855.00
317 Schnell Dr / 409 Trent Jones Dr		-	222,000.00	-	-	-	-	-	222,000.00
332 Schnell Dr / 421 Trent Jones Dr		-	158,000.00	-	-	-	-	-	158,000.00
833 Riverbend Rd / 446 Trent Jones Dr		-	269,000.00	-	-	-	-	-	269,000.00
821 Riverbend Rd / 438 Trent Jones Dr		-	185,000.00	-	-	-	-	-	185,000.00
321 Schnell Dr / 410 Trent Jones Dr		-	262,134.00	-		-	-	-	262,134.00
337 Schnell Dr / 355 Trent Jones Dr		-	206,021.00	-	-	-	-	-	206,021.00
840 Riverbend Rd / 442 Trent Jones Dr		-	189,000.00	-	-	-	-	-	189,000.00
325 Schnell Drive		-	225,800.00	-	368,421.20	-	-	-	594,221.20
816 Riverbend Rd / 429 Trent Jones Dr		-	377,426.00	-	-	-	-	-	377,426.00
808 Riverbend Road		-	196,211.25	-	-	-	-	-	196,211.25
817 Riverbend Road		-	193,259.00	-	-	-	-	-	193,259.00
313 Schnell Drive/		-	197,243.00	-	-	-	-	-	197,243.00
848 Riverbend Rd		-	200,000.00	-	-	-	-	-	200,000.00
Home Buyouts - Hickson									
17495 52nd St SE	4/28/2015	785,747.66	-	4,390.23	27,604.74	1,970.61	-	-	819,713.24
4989 Klitzke Drive, Pleasant Twp		-	222,030.00	-	-	-	-	-	222,030.00
Easements - Fargo									
Part of Lot 5 El Zagal Park	10/9/2014	68,040.72	-	-	-	-	-	-	68,040.72
72 2nd St N	4/13/2016	37,020.00	-	-	-	-	-	-	37,020.00
Easements - Oxbow									
Oxbow Parcel 57-0000-10356-070 - Pearson	10/13/2014	55,500.00	-	-	-	-	-	-	55,500.00
Easements - Diversion Inlet Control Structure									
15-0000-02690-020 - Cossette		476,040.00	-	-	-	-	-	-	476,040.00
64-0000-02730-000 - Sauvageau		268,020.00	-	-	-	-	-	-	268,020.00
64-0000-02720-000 - Ulstad		250,440.00	-	-	-	-	-	-	250,440.00

FM Metropolitan Area Flood Risk Management Project
Lands Expense - Life To Date
As of July 31, 2016

Property Address	Purchase Date	Purchase Price	Earnest Deposit	Tax Payment	Relocation Assistance	Property Management Expense	Property Management Income	Sale Proceeds	Total
Farmland Purchases									
SE 1/4 11-140-50 (Raymond Twp) - Ueland	1/20/2014	959,840.00	-	-	-	-	(46,683.63)	-	913,156.37
2 Tracts in the E 1/2-2-137-49 - Sorby/Maier	1/24/2014	1,636,230.00	-	-	-	-	(88,361.76)	-	1,547,868.24
3 Tracts NW1/4 1-140-50, NW1/4 11-140-50, & S1/2 25-141-50 - Rust	2/18/2014	3,458,980.70	-	-	-	-	(189,269.99)	-	3,269,710.71
11-140-50 NE1/4 (Raymond Twp) - Diekrager	4/15/2014	991,128.19	-	-	-	-	(53,008.60)	-	938,119.59
NW 1/4 36-141-50 - Monson	5/7/2014	943,560.05	-	-	-	-	(43,571.18)	-	899,988.87
W 1/2 SE 1/4 SW 1/4 & SW 1/4 SW 1/4 2-137-49 - Gorder	5/13/2014	321,386.00	-	-	-	-	(12,594.20)	-	308,791.80
SW 1/4-11-140-50 - Hoglund	7/21/2014	989,706.03	-	2,566.59	-	-	(3,725.49)	-	988,547.13
NW 1/4 14-140-50 - Hoglund	10/23/2014	948,782.22	-	5,327.10	-	-	(48,808.67)	-	905,300.65
SW 1/4 2-140-50 -Rust	10/29/2014	955,901.00	-	-	-	-	(24,573.95)	-	931,327.05
2-140-50 S 1/2 of NW 1/4 & Lot 4A - Pile	3/4/2015	594,108.00	-	-	-	-	-	-	594,108.00
Fercho Family Farms,	3/25/2015	464,600.00	-	-	-	-	-	-	464,600.00
W 1/2 NW 1/4 2-141-49 - Heiden	4/24/2015	433,409.00	-	-	-	-	(6,510.69)	-	426,898.31
(Raymond Twp) - Henke	6/17/2015	1,196,215.00	-	-	-	-	(12,452.23)	-	1,183,762.77
Land Purchases									
Hayden Heights Land, West Fargo ND	10/12/2012	484,016.00	-	223,505.56	-	-	-	(730,148.14)	(22,626.58)
Lot 4, Block 4, ND R-2 Urban Renewal Addition, Fargo ND - Professional Associates	5/14/2015	39,900.00	-	-	-	-	-	-	39,900.00
BNSF Railway Company		-	27,000.00	-	-	-	-	-	27,000.00
	Total	47,244,022.42	6,187,579.25	424,161.52	17,621,259.41	320,889.58	(630,622.90)	(1,117,856.01)	70,049,433.27

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

Time Period for This Request: July 1, 2016 - July 31, 2016

Drawdown Request No: 32			
Requested Amount:		**$**	**3,725,044**
Total Funds Expended This Period:		$	6,234,193
Total Funds Requested at 100% Match			1,215,895
Remaining Funds Requested at 50% Match			5,018,298
SB 2020 Matching Requirements			50%
Total Funds Requested at 50% Match			2,509,149
Total Funds Requested:		**$**	**3,725,044**

STATE AID SUMMARY:			
Summary of State Funds Appropriated			
Appropriations from 2009 Legislative Session		$	45,000,000
Appropriations from 2011 Legislative Session			30,000,000
Appropriations from 2013 Legislative Session			100,000,000
Appropriations from 2015 Legislative Session			69,000,000
Appropriations to be funded in 2017 Legislative Session - Available 7/1/2017	51,500,000		
Appropriations to be funded in 2019 Legislative Session - Available 7/1/2019	51,500,000		
Appropriations to be funded in 2021 Legislative Session - Available 7/1/2021	51,500,000		
Appropriations to be funded in 2023 Legislative Session - Available 7/1/2023	51,500,000		
Total State Funds	206,000,000		244,000,000
Less: Payment #1 through #35 - City of Fargo			(55,510,209)
Less: Payment #1 - Cass County			(136,039)
Less: Payment #1 through #20 - FM Diversion Authority			(28,862,208)
Less: Payment #21 - FM Diversion Authority			(2,580,786)
Less: Payment #22 - FM Diversion Authority			(3,998,879)
Less: Payment #23 - FM Diversion Authority			(1,985,040)
Less: Payment #24 - FM Diversion Authority			(2,752,283)
Less: Payment #25 - FM Diversion Authority			(10,000,000)
Less: Payment #26 - FM Diversion Authority			(1,021,657)
Less: Payment #27 - FM Diversion Authority			(4,940,909)
Less: Payment #28 - FM Diversion Authority			(2,209,200)
Less: Costs Moved from Fargo Flood Control (Diversion) to Interior Flood Control			20,301,855
Less: Payment #29 - FM Metro Area Flood Risk Management Project			(2,900,000)
Less: Payment #30 - FM Metro Area Flood Risk Management Project			(3,681,747)
Less: Payment #31 - FM Metro Area Flood Risk Management Project			(6,900,000)
Less: Payment #32 - FM Metro Area Flood Risk Management Project			(3,725,044)
Total Funds Reimbursed			(110,902,146)
Total State Fund Balances Remaining		**$**	**133,097,854**

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

LOCAL MATCHING FUNDS SUMMARY:		
Matching Funds Expended To Date - FM Metro Area Flood Risk Management Project	$	61,018,898
Less: Match Used on Payment #1 through #35 - City of Fargo		(41,506,620)
Less: Match used on Payment #1 - Cass County		(136,039)
Less: Match Used on Payment #1 - FM Diversion Authority		(18,600)
Less: Match Used on Payment #2 - FM Diversion Authority		(66,888)
Less: Match Used on Payment #6 - FM Diversion Authority		(238,241)
Less: Match Used on Payment #8 - FM Diversion Authority		(346,664)
Less: Match Used on Payment #11 - FM Diversion Authority		(470,398)
Less: Match Used on Payment #12 - FM Diversion Authority		(237,286)
Less: Match Used on Payment #16 - FM Diversion Authority		(3,018,978)
Less: Match Used on Payment #17 - FM Diversion Authority		(1,374,624)
Less: Match Used on Payment #20 - FM Diversion Authority		(1,427,344)
Less: Match Used on Payment #22 - FM Diversion Authority		(116,437)
Less: Match Used on Payment #23 - FM Diversion Authority		(487,124)
Less: Match Used on Payment #24 - FM Diversion Authority		(1,688,474)
Less: Match Used on Payment #26 - FM Diversion Authority		(445,642)
Less: Match Used on Payment #28 - FM Diversion Authority		(1,116,010)
Less: Match Used on Payment #30 - FM Metro Area Flood Risk Management Project		(1,581,147)
Less: Match Used on Payment #32 - FM Metro Area Flood Risk Management Project		(1,215,895)
Balance of Local Matching Funds Available	**$**	**5,526,487**

US Army Corps
of Engineers
St. Paul District

Monthly Update

August 11, 2016

1. **Diversion Inlet Control Structure**: First federal construction contract. Request for Proposals (RFP) issued on 11 July 2016. Proposals due 25 August 2016. Construction contract award anticipated in early October 2016.

2. **Wild Rice Control Structure**: Design kick-off meeting held 26 July 2016. Goal is to award a construction contract in 2018.

3. **Southern Embankment Design**: Design kick-off meeting held 4 August 2016. Goal is to complete Preliminary Engineering Report (35% design) in 2017.

4. **Permitting Coordination with States**: Coordination continues with both states on phased permitting for the Southern Embankment/dam. ND State Engineer issued permit for Inlet on 8 July. Met with MnDNR on 13 July and 9 August.

5. **Project Partnership Agreement and P3 MOU:** Agreements executed on 11 July. Thanks to Sponsors for making this a great event.

6. **Alternate Financing/Split Delivery Plan**: Assisting with development of RFP and reference documents. Continued reporting/coordination up our chain of command.

7. **In-Town Levees**: Continue to support design and construction to assure features can be incorporated into FMM Project. Includes ATR and IEPR reviews. Checkpoint site visits held 27-28 June.

8. **Project Mitigation/Environmental Compliance**: Continue work to identify additional environmental mitigation sites; focusing on using lands owned by the Diversion Authority. Pursuing Bois de Sioux site and scheduling landowner meetings for after harvest. Held another natural-resource agency meeting on 12 July.

9. **Rights-of-Entry (ROE) and Surveys**: ROE request for 2016 to continue performing cultural and HTRW surveys and geotechnical borings was provided in February. Requires ROE being gained in Minnesota so that borings can begin NLT after Christmas.

10. **Outreach:** Participated in presenting to the ND Water Education Foundation on 12 July.

11. **Chief of Engineers General Todd Semonite to visit on 23 August**:

Public Outreach Committee Report
For Diversion Authority – August 11, 2016

- Updated Communication Plan
  - The Outreach Committee is reviewing a draft of a new, updated Communications Plan. As the Project has progressed, and technological methods have advanced, our communication mission has evolved as well. We hope this plan will be a useful daily tool for those communicating about the FM Area Diversion Project while also serving as a reference point for those who only require guidance on rare occasions. The Outreach Committee will look to approve the plan at our next meeting, after which, it will be posted on FMdiversion.com.
- Property Acquisition Outreach
  - The Outreach Committee has interest in making sure that as our land acquisition efforts proceed that we are informing not just the impacted properties owners, but also the townships and general public that may also have interest in these activities. Our Committee reviewed outreach plans, which were developed jointly between the lands and outreach teams, for the Phase 1 area of the project and for occupied structures within the staging area.
- Community Outreach Activities
  - The outreach team continues to assist in reporting to the ND State Legislature and took part in a presentation to the ND State Water Commission at their meeting in July, held in West Fargo.
  - The Chief of the U.S. Army Corps of Engineers is returning to Fargo later this month on Aug. 23rd; former Chief Gen. Bostick, who visited last year, has moved on to another post and Gen. Semonite has taken his position and will be making his first trip to Fargo to visit this important federal project.
  - The ND Water Education Foundation is returning to Fargo on September 21st to learn more about flood protection efforts in the area. A bus tour of flood efforts in Fargo and Cass County is planned as part of that event.
  - The outreach team is also gearing up to attend and host a booth at the MN Water Resources Conference in October in St. Paul.

Lieutenant General Todd T. Semonite

Commanding General and Chief of Engineers Lieutenant General Todd T. Semonite assumed his position as Chief of Engineers and Commanding General of the U.S. Army Corps of Engineers (USACE) on May 19, 2016. As the Chief of Engineers, an Army Staff Principal, he advises the Army on engineering matters and serves as the Army's topographer and the proponent for real estate and other related engineering programs. As the USACE Commanding General, he is responsible for more than 32,000 Civilian employees and 700 Military personnel who provide project management, construction support and engineering expertise in more than 110 countries around the world. Previous to this assignment, Lieutenant General Semonite established the Army Talent Management Task Force and served as its first Director. In this role, Lieutenant General Semonite was responsible for reforming the way the Army acquires, develops, employs, and retains a talented workforce. Prior to these duties, Lieutenant General Semonite was the Commanding General for Combined Security Transition Command-Afghanistan, responsible for the building of the Afghan Army and Police through management of a $13 billion budget to support a 352,000 individual force. During his tenure, the mission focused on sustainment of that force and training, advising and assisting the Security Ministries towards establishing an enduring culture of fiscal discipline, transparency and accountability, while continuing to fight and win against a significant enemy threat.

Previous to that command, Lieutenant General Semonite served as the Deputy Chief of Engineers and the Deputy Commanding General of the U.S. Army Corps of Engineers. Lieutenant General Semonite has also served as Commanding General, South Atlantic Division, responsible for the oversight of planning, design and construction projects to support the U.S. Military, protect America's water resources, and provide USACE support to U.S. Southern Command. The South Atlantic Division provides engineering and construction services from Alabama to North Carolina, the Caribbean and Central and South America.

Prior to assuming Command of the South Atlantic Division, Lieutenant General Semonite was the Commander of the USACE's North Atlantic Division in New York City serving the states from Virginia to Maine as well as the U.S. European Command and U.S. Africa Command Areas of Responsibility. He also served as Commanding General, Maneuver Support Center and Fort Leonard Wood and as Assistant Commandant, U.S. Army Engineer School at Fort Leonard Wood, Missouri. Additionally, he served in a wide variety of command and staff positions including: Director, Office of the Chief of Engineers, Headquarters, Department of the Army at the Pentagon; Deputy Commander, Task Force Restore Iraqi Electricity and Executive Officer to the Commanding General, U.S. Army Europe (USAEUR) and 7th Army.

Lieutenant General Semonite served as Commander of the 130th Engineer Brigade and the V Corps Engineer, Hanau, Germany; Chief of Military Operations and Topography and Chief of International Operations, both with USAEUR; Battalion Commander, 23rd Engineer Battalion, 1st Armored Division, Friedberg, Germany (with a one-year deployment to Bosnia); Construction and Design Supervisor, 416th Engineer Command, Chicago, Illinois; Staff Officer for Logistics (S4), 937th Engineer Group and Staff Officer for Operations (S3) and Executive Officer, 1st Engineer Battalion, both at Fort Riley, Kansas; and Operations Officer, U.S. Army Corps Of Engineers Office, Fort Drum, NY.

Lieutenant General Semonite, a native of Bellows Falls, Vermont is a registered professional engineer in Virginia and Vermont. He graduated from the U.S. Military Academy, West Point in New York and was commissioned into the U.S. Army Corps of Engineers in 1979. He holds a Bachelor of Science degree in Civil Engineering from the U.S. Military Academy, a Master of Science in Civil Engineering degree from the University of Vermont, and a Masters of Military Arts and Sciences from Fort Leavenworth, Kansas. He is a graduate of the Engineer Officer Basic and Advanced Courses, the Combined Arms Services Staff School, the Command and General Staff College, and the Army War College.

Lieutenant General Semonite's awards include the Distinguished Service Medal (2 Awards), Defense Superior Service Award, Legion of Merit (5 Awards), Bronze Star, Meritorious Service Medal (7 Awards), Army Commendation Medal (3 Awards), Army Achievement Medal, Joint Meritorious Unit Award, Meritorious Unit Citation, Army Superior Unit Award (2 Awards), NATO award, Ranger tab and Parachutist Badge.

Land Management Summary

August 9, 2016

Acquisitions Completed Through July 31, 2016

Property Type	Complete	
	Properties	Acreage
Single-Family Residential	37	
Subset: Medical Hardship	*7*	*29*
Agricultural	23	2,457
Commercial	6	311
Multi-Family Residential	--	--
Public	4	3
Other	4	--

Acquisition Budget Through July 31, 2016

Fiscal Year	No. Properties Acquired	Lands Budget ($000)	Lands Expenses Paid FY to Date ($000)	Outstanding Encumbrances ($000)	Remaining Budget ($000)
FY13	4	$28,000	$1,628		
FY14	15	$37,700	$20,006		
FY15	30	$106,700	$67,764		
FY16	16	$109,900	$23,529	$39,076	$47,295

Other News for month of July:

- A Purchase Agreement has been signed with one of the owners on the County Road 16/17 Re-Alignment
- Phase 1 acquisitions have begun. Survey and appraisals are beginning on the far north reach. Letters have been sent to roughly half of the owners, and land agents are in direct contact with many of them.
- There are fourteen homes currently under construction in Oxbow, with three more to begin shortly.
- The land management tracking tool, ESRI's WMX, is operational
- In response to an increase in inquiries from the public about the buyout process and schedule, an outreach plan has been developed to focus on occupied structures within the staging area. Initial contact to these property owners regarding acquisition is expected to begin in September.

Land Management Summary

August 8, 2016

Active Land Acquisition Activities

Area: In-Town

Street Address	USACE Orig ID No.	Type	Activity[1]	Land Acq Firm/ Appraiser
BNSF	9259, 9780	Commercial	Purchase Agreement Signed	HMG/Britton
1313 Elm St N	9126	Residential	In Condemnation	HMG/Britton
City of Fargo - Park District	9212. 9771, 9781, 9784	Commercial	Easements Obtained	
Mid America Steel	9215, 9216, 9217, 9218, 9783	Commercial	Closed	HMG/Britton
City of Fargo	9768	Commercial	In Negotiation	HMG/Britton
City of Fargo - Housing Authority	9769	Commercial	In Negotiations	HMG/Britton
Case Plaza LLC	9770	Commercial	In Negotiation	HMG/Britton
City of Fargo	9772	Commercial	In Negotiation	HMG/Britton
Kilbourne Group	9776	Commercial	Right to Enter & Construct Signed	HMG/Britton

Area: Oxbow-Hickson-Bakke

Street Address	USACE Orig ID No.	Type	Activity[1]	Land Acq Firm/ Appraiser
810 Riverbend Road	9595	Residential	Closed	ProSource/Hraba
839 Riverbend Road	9503	Residential	Closed	Ulteig/Bock
833 Riverbend Road	9504	Residential	Purchase Agreement Signed	ProSource/McKinzie
821 Riverbend Road	9506	Residential	Purchase Agreement Signed	ProSource/Hraba
817 Riverbend Road	9507	Residential	Purchase Agreement Signed	ProSource/McKinzie
813 Riverbend Road	9508	Residential	Purchase Agreement Signed	ProSource/Hraba
805 Riverbend Road	9510	Residential	Purchase Agreement Signed	ProSource/Hraba
816 Riverbend Road	9596	Residential	Purchase Agreement Signed	ProSource/Hraba
828 Riverbend Road	9599	Residential	Purchase Agreement Signed	ProSource/Hraba
840 Riverbend Road	9600	Residential	Purchase Agreement Signed	ProSource/Hraba

Land Management Summary

August 8, 2016

844 Riverbend Road	9601	Residential	Purchase Agreement Signed	ProSource/Hraba
328 Schnell Drive	9642	Residential	Purchase Agreement Signed	ProSource/Hraba
330 Schnell Drive	9643	Vacant Lot	Purchase Agreement Signed	ProSource/Hraba
332 Schnell Drive	9644	Residential	Purchase Agreement Signed	ProSource/Hraba
338 Schnell Drive	9647	Residential	Purchase Agreement Signed	ProSource/Hraba
309 Schnell Drive (owner of 2 other parcels)	9654	Residential	Purchase Agreement Signed	ProSource/McKinzie
313 Schnell Drive	9655	Residential	Purchase Agreement Signed	ProSource/Hraba
317 Schnell Drive	9656	Residential	Purchase Agreement Signed	ProSource/Hraba
321 Schnell Drive	9657	Residential	Purchase Agreement Signed	ProSource/Hraba
325 Schnell Drive	9658	Residential	Purchase Agreement Signed	ProSource/McKinzie
329 Schnell Drive	9659	Residential	Purchase Agreement Signed	ProSource/Hraba
337 Schnell Drive	9661	Residential	Purchase Agreement Signed	ProSource/Hraba
341 Schnell Drive	9662	Residential	Purchase Agreement Signed	ProSource/McKinzie
808 Riverbend Road (2 parcels at this address)	9593, 9594	Residential	Purchase Agreement Signed	ProSource/McKinzie
Agricultural property 214ac – S13, T137, R49; S14, TI37, R49	1930, 1940, 1941	Agricultural	In Negotiation	Ulteig/Bock
843 Riverbend Road	9502	Residential	In Negotiation	ProSource/Bock
829 Riverbend Road	9505	Residential	In Negotiation	ProSource/Hraba
809 Riverbend Road	9509	Vacant Lot	In Negotiation	Ulteig/Bock
848 Riverbend Road	9602	Residential	Purchase Agreement Signed	ProSource/Bock
872 Riverbend Road	9607	Vacant Lot	In Negotiation	ProSource /Bock
869 Riverbend Road	9608	Vacant Lot	In Negotiation	ProSource /Bock
873 Riverbend Road	9609	Vacant Lot	In Negotiation	ProSource /Bock
477 Oxbow Drive	9614	Vacant Lot	In Negotiation	ProSource /Bock
473 Oxbow Drive	9615	Vacant Lot	In Negotiation	ProSource /Bock
469 Oxbow Drive	9616	Vacant Lot	In Negotiation	ProSource /Bock
465 Oxbow Drive	9617	Vacant Lot	In Negotiation	ProSource /Bock

Land Management Summary

August 8, 2016

461 Oxbow Drive	9618	Vacant Lot	In Negotiation	ProSource /Bock
457 Oxbow Drive	9619	Vacant Lot	In Negotiation	ProSource /Bock
455 Oxbow Drive	9620	Vacant Lot	In Negotiation	ProSource /Bock
425 Oxbow Drive	9628	Vacant Lot	In Negotiation	ProSource /Bock
354 Schnell Drive	9650	Vacant Lot	In Negotiation	Ulteig/Bock
358 Schnell Drive	9651	Vacant Lot	In Negotiation	Ulteig/Bock
Oxbow Job Development Authority - Permanent Easement	9581	Residential	Easement Identified	
Easement - 16 1st Avenue	9464	Commercial	Appraisal Assigned	Ulteig/Bock
Easement - 182 Main Ave	9470	Residential	In Negotiation	Ulteig/Bock
Easement - PO Box 203	9474	Commercial	In Negotiation	Ulteig/Bock
Easement - 626 Evergreen	9494	Commercial	In Negotiation	Ulteig/Bock
Easement - Horace Rural Fire Dept.	9472, 9473	Commercial	In Negotiation	Ulteig/Bock
Easement - PO Box 367	9576, 9579	Commercial	Easement Denied	Ulteig/Bock
Easement - Hickson Grain Company	9577, 9578	Commercial	Easement Denied	Ulteig/Bock
Easement - Pleasant Twp	9475, 9476, 9477	Commercial	In Negotiation	Ulteig/Bock
Easement - 308 Main Ave	9469, 9495, 9496	Commercial	In Negotiation	Ulteig/Bock
Easement - Jack Nick LLC	9497, 9498, 9501	Commercial	In Negotiation	Ulteig/Bock

Land Management Summary

August 8, 2016

Area: DCAI Phase 1

Project Area	USACE Orig ID No.	Type	Activity[1]	Land Acq Firm/ Surveyor
Diversion Channel East of I-29	167	Agricultural	Survey	Ulteig/AE2S
Diversion Channel Sheyenne Aqueduct	221, 222, 223	Agricultural	Renew ROE/Survey	HMG/AE2S
Diversion Channel Rush River Aqueduct	509, 590	Agricultural	Survey	Ulteig/AE2S
Diversion Channel Rush River Aqueduct	513	Agricultural	Negotiating ROE	HMG/AE2S
Diversion Channel East of I-29	533	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	537	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	538	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	540, 542, 543, 561, 562	Agricultural	Renew ROE	Ulteig/AE2S
Diversion Channel East of I-29	544	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	546, 2368	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	547, 548, 558	Agricultural	Negotiating ROE	Ulteig/AE2S
Diversion Channel East of I-29	549	Government Owned	Survey	AE2S
Diversion Channel West of I-29	566	Agricultural	Survey	HMG/AE2S
Diversion Channel West of I-29	571, 573, 574	Agricultural	Survey	HMG/AE2S
Diversion Channel Maple River Aqueduct	903	Agricultural	Renew ROE	HMG/AE2S
Diversion Channel Maple River Aqueduct	904	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Maple River Aqueduct	905	Agricultural	ROE Requested	HMG/AE2S
Diversion Channel Maple River Aqueduct	915, 920, 921, 924, 925, 1216, 1220	Agricultural/Farmstead	Update ROE/Survey	HMG/AE2S
Diversion Channel Maple River Aqueduct	935	Agricultural	Survey	HMG/AE2S

Land Management Summary

August 8, 2016

Diversion Channel Maple River Aqueduct	952	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1187	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1190, 1192, 9999	Agricultural	Update ROE/Survey	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1191, 1193	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1195	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1197	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1198	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1199	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1200	Agricultural	Survey	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1201	Agricultural	Request ROE	HMG/AE2S
Diversion Channel Sheyenne River Aqueduct	1202	Rural Residential	Survey	HMG/AE2S
Diversion Channel East of I-29	1218	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	1221	Agricultural	Survey	Ulteig/AE2S
Diversion Outlet	1222	Ag/Residential	Appraise	Ulteig/AE2S
Diversion Channel East of I-29	1223	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	1225	Agricultural	Survey	Ulteig/AE2S
Diversion Channel West of I-29	2362, 9268	Agricultural	Survey	HMG/AE2S
Diversion Channel West of I-29	2363	Agricultural	Survey	HMG/AE2S
Diversion Channel East of I-29	2364, 9052, 9053, 9992	Agricultural	ROE Requested	Ulteig/AE2S
Diversion Channel East of I-29	2365, 9182, 9183	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	2366, 2367	Government Owned	Survey	Ulteig/AE2S
Diversion Channel East of I-29	2369	Agricultural	Survey	
Diversion Channel East of I-29	2370	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	2371	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	2372	Agricultural	Survey	Ulteig/AE2S

Diversion Channel East of I-29	8878	Government Owned	Survey	Ulteig/AE2S
Diversion Channel Maple River Aqueduct	9263	Agricultural	ROE Requested	HMG/AE2S
Diversion Channel East of I-29	9271	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	9786	Agricultural	Survey	Ulteig/AE2S
Diversion Channel East of I-29	9789, 9790	Agricultural	Survey	Ulteig/AE2S

Area: Diversion Inlet & CR16/17

Street Address	USACE Orig ID No.	Type	Activity[1]	Land Acq Firm/ Appraiser
7806 112th Ave S	228	Agricultural	In Negotiations	HMG
4608 124th Ave S (2 parcels at this address)	224, 225	Agricultural	In Negotiations	HMG
HC 1 Box 9	831	Agricultural	In Negotiations	HMG
1532 22nd Ave S	832	Agricultural	In Negotiations	HMG
213 25th Ave N	1090	Agricultural	In Negotiations	HMG
719 10 ½ Ave W	1091	Agricultural	In Negotiations	HMG
5320 12th St S Unit 219	1099	Agricultural	Purchase Agreement Signed	HMG
PO Box 202	1140	Agricultural	In Negotiations	HMG
Address Unknown *(2 parcels at this address)*	9054, 9055	Agricultural	In Negotiations	HMG
17128 50th Ave S (2 parcels at this address)	229, 230	Agricultural	In Negotiations / Condemnation	HMG
2214 11th St S	1096	Agricultural	In Negotiations / Condemnation	HMG
12004 57th St S	1097	Agricultural	In Negotiations / Condemnation	HMG

Land Management Summary

August 8, 2016

Area: Staging

Street Address	USACE Orig ID No.	Type	Activity[1]	Land Acq Firm/ Appraiser
Agricultural Property 320ac - S28, TI37, R48; S37, TI37, R48	1790-1811	Agricultural	On Hold	Crown/Berg
17471 49th Street SE	9403	Residential	In Negotiations	Ulteig
17465 49th Street SE	9411	Residential	In Negotiations	Ulteig
17556 Pfiffer Dr	9383	Residential	In Negotiation	Ulteig/Bock
17465 49th St SE	9403	Residential	In Negotiation	Ulteig/Bock

Area: Hardship

Street Address	USACE Orig ID No.	Type	Activity[1]	Land Acq Firm/ Appraiser
16678 3rd St S	1802	Residential	Purchase Agreement Signed	HMG/Britton
4989 Klitzke Dr	9440	Residential	Closed	Ulteig/Bock
5017 171 Ave SE	1953	Residential	In Negotiation	Ulteig/Bock
Pleasant Township 57-0000-10215-000	1889	Residential	In Negotiation	Ulteig/Bock