## FLOOD DIVERSION BOARD OF AUTHORITY

# Thursday, June 23, 2016 3:30 PM

Fargo City Commission Room Fargo City Hall 200 3<sup>rd</sup> Street North

## Organizational Meeting

<ol> <li>Call to order</li> </ol>
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2. Identification of Board Members by Member Entities Information

3. Confirmation of Board Members Action

4. Nomination of Vice Chair Action

5. Designation of Secretary Action

6. Designation of Official Newspaper Action

7. Adopt Prior Diversion Authority Actions and Obligations Action

8. Regular Business

## Regular Meeting

1. Call to order

2. Approve minutes from previous meeting <a href="Item2">Item 2</a>. Action

3. Approve order of agenda Action

4. Management Information

5. Administrative/Legal Information

a. PPA Approval

6. Technical Information/action

a. Recommended Contracting Actions Item 6a.

b. Baseline Schedule Presentation

- 7. Other Business
- 8. Upcoming Meetings
  - a. July 11, 2016
  - b. July 14, 2016
- 9. Adjournment

cc: Local Media

## FLOOD DIVERSION BOARD OF AUTHORITY JUNE 9, 2016—3:30 PM

#### 1. MEETING TO ORDER

A meeting of the Flood Diversion Board of Authority was held Thursday, June 9, 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; West Fargo City Commissioner Mike Thorstad; Fargo City Mayor Tim Mahoney; Fargo City Commissioner Mike Williams; Fargo City Commissioner Dave Piepkorn; Cass County Joint Water Resource District Manager Rodger Olson; Clay County Commissioner Grant Weyland; and Moorhead City Council Member Nancy Otto.

Staff members and others present: Cass County Administrator Keith Berndt; Clay County Administrator Brian Berg; Fargo City Director of Engineering Mark Bittner; Fargo City Engineer April Walker; Moorhead City Engineer Bob Zimmerman; Tom Dawson, Chairman, Chamber of Commerce Business Leaders Taskforce; Bruce Spiller, CH2M Hill; Colonel Dan Koprowski, outgoing St. Paul District Commander, Corps of Engineers; Colonel Samuel L. Calkins, incoming St. Paul District Commander, Corps of Engineers; Aaron Snyder, Branch Chief for Project Management & Development, Corps of Engineers; Terry Williams, Project Manager, Corps of Engineers; Judy DesHarnais, Deputy of Programs and Project Management, Corps of Engineers; and Michael Bart, Chief of Engineering and Construction, Corps of Engineers.

Colonel Koprowski will be leaving the St. Paul District for his next assignment on June 30<sup>th</sup>. Mr. Vanyo thanked Col. Koprowski for his efforts and welcomed Colonel Samuel Calkins as the new St. Paul District Commander for the Corps of Engineers.

## 2. MINUTES APPROVED

MOTION, passed

Ms. Otto moved and Mrs. Scherling seconded to approve the minutes from the May 26, 2016, meeting as presented. Motion carried.

#### 3. AGENDA ORDER

MOTION, passed

Mrs. Scherling moved and Ms. Otto seconded to approve the order of the agenda. 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) conference; advertisement of bids for the 2<sup>nd</sup> Street South flood control project; release of the financial plan; and participation at P3 Industry Day on June 7<sup>th</sup> which had 150 attendees and included 8 one-on-one meetings. He said priority areas for June and July include approval of the Joint Powers Agreement (JPA) by member entities, and approval and signing of the Project Partnership Agreement (PPA).

He also 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.

### Corps of Engineers report

Colonel Koprowski provided an update of activities by Corps of Engineers staff which includes approval of the final plans and specifications for the diversion inlet control structure; anticipated completion in July of the Determination of Adequacy by the MN DNR for the Final MN EIS, which confirmed the federal findings that the only viable alternative is the one that includes what Minnesota

classifies as a high hazard dam (diversion channel with upstream staging); continued coordination with North Dakota and Minnesota on phased permitting for the southern embankment/dam; continued support of in-town levee design and construction; and coordination with Corps of Engineers headquarters and project sponsors on the PPA with possible execution of the agreement and signing ceremony in mid-July.

## 5. ADMINISTRATIVE/LEGAL UPDATE

Attorney John Shockley said the PPA has been approved by the City of Fargo and he anticipates approval by City of Moorhead at their next meeting. The Diversion Authority will consider approval of the PPA at the June 23<sup>rd</sup> meeting. He said the JPA has been approved by four of the five member entities with Moorhead the last to act on the JPA at their next meeting. He said temporary financing issues are being studied and actions will be needed by Fargo, Cass County and the Diversion Authority in the next few months.

## 6. TECHNICAL UPDATE

## Recommended Contracting Actions Summary

Bruce Spiller reviewed the following contracting action with the board:

#### Construction Contract Award

Hough, Inc. Construction Contract Award (WP-42.F2 Flood Control, 2<sup>nd</sup> Street South)—award contract to construct concrete floodwall, earthen levee, utility installations, and modifications to 2<sup>nd</sup> Street South on the south side of Main Avenue at 2<sup>nd</sup> Street South in the amount of \$1,448,373.17.

## MOTION, passed

Mr. Williams moved and Ms. Otto seconded to approve the appropriation of funds for the outlined construction contract and recommend approval of the appropriation of funds by the Dakota Metro Flood Board for the Diversion Authority. On roll call vote, the motion carried unanimously.

#### 7. PUBLIC OUTREACH UPDATE

## Committee report

The Public Outreach Committee met on June 8<sup>th</sup>. Mr. Olson said Industry Day was held on June 7<sup>th</sup> with numerous companies interested in the business opportunities associated with the P3 construction of the project. The committee received an update on various public outreach presentations given over the last month and participated in the development of a flyer which summarizes the complexity of the financial plan for stakeholders and the general public. He said the website activity and online subscriptions to the e-newsletter continue to increase.

#### Business Leaders Task Force

Tom Dawson said the task force met on May 25<sup>th</sup> and heard a presentation on the financial plan given by Diversion staff. He said Cass County and Clay County legislators were also invited to the meeting.

## 8. LAND MANAGEMENT UPDATE

## Committee report

The Land Management Committee met on June 8<sup>th</sup>. Mrs. Scherling said the committee approved the acquisition of the Mid-America Steel property.

#### CCJWRD update

Mark Brodshaug referred to the handout regarding land acquisitions completed through May 31, 2016, which includes completed acquisitions, budget figures, and completed negotiations. Activities from last month include the right to enter and construct with Mid-America Steel; property acquisition efforts for the diversion inlet control structure and County Road 16/17 re-alignment; and rights of entry and boundary survey work for Phase 1 of the diversion channel properties from the outlet to the Rush River area and for the Maple River and Sheyenne River aqueduct structures.

Mr. Brodshaug said the committee also received an update on land acquisitions associated with the diversion inlet control structure. Three parcels are needed this year for construction to begin on the outlet; however, the land owners have not agreed to final offers. The CCJWRD filed three separate eminent domain actions seeking permanent right of way easements for the three parcels. He said negotiations are on-going with property owners of 12 other parcels necessary for the County Road 16/17 re-alignment work near the inlet control structure, which are needed prior to the Diversion Authority opening bids in the fall of 2016.

#### 9. FINANCE UPDATE

#### Committee report

Mike Montplaisir, Cass County Auditor, said the Finance Committee met on June 8<sup>th</sup> and recommended to the CCJWRD the execution of an entry and construction agreement to allow immediate access to the Mid-America property for construction of the flood wall project; and recommended to the CCJWRD the execution of a purchase agreement in the amount of \$5,800,000 as an administrative settlement for the Mid-America parking lot and to continue monitoring the residual value of the property.

Mr. Montplaisir said funds from the U.S. Bank loans have been exhausted. Currently, costs are being paid with draw down funds from the state and with sales tax dollars. He said three different proposals have been received for additional short-term financing and it appears Wells Fargo is the preferred option. He said this item will need to be approved by the City of Fargo and Cass County, and will be brought back to the Diversion Authority next month for approval.

## 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; and Ohnstad Twichell, P.C. for P3 bond counsel and 4<sup>th</sup> Street pump station litigation work.

#### MOTION, passed

Mr. Mahoney moved and Mr. Olson seconded to approve the vouchers in the amount of \$3,888,608.54 for May, 2016. On roll call vote, the motion carried unanimously.

## 10. OTHER BUSINESS

Kent Costin, Fargo Finance Director, introduced Wells Fargo Financial representatives Paul Rebholz and Thomas Harkless, who have been working with city and county staff on the new short-term financing. Mr. Vanyo thanked them for their work with the Diversion Authority to obtain additional financing for the project.

## 11. NEXT MEETING DATE

The next meeting will be held on Thursday, June 23, 2016.

#### 12. ADJOURNMENT

MOTION, passed

On motion by Mr. Mahoney, seconded by Ms. Otto, and all voting in favor, the meeting was adjourned at 4:10 PM.

Minutes prepared by Heather Worden, Cass County Administrative Assistant



# **Recommended Contracting Actions Summary**

Date: June 23, 2016

Description	Company	Budget Estimate (\$)
Task Order Amendments		
<ul> <li>6.a.1 Task Order 1, Amendment 8 (Project Management)</li> <li>Increases 2016 insurance budget to cover actual cost</li> <li>Updates programmatic schedule activity ID for Project Management subtasks</li> </ul>	Houston-Moore Group	15,100
<ul> <li>6.a.2 Task Order 8, Amendment 13 (Work-In-Kind)</li> <li>Add budget to close out comments on the USACE Diversion Inlet Design</li> </ul>	Houston-Moore Group	5,800
<ul> <li>6.a.3 Task Order 13 Amendment 13 (Levee Design)</li> <li>Close two design tasks and unencumber remaining budget</li> <li>Incorporate AWD-00057</li> <li>Add scope and budget for 4)existing WP-42 design subtasks</li> <li>Add scope and budget for new design subtask WP-42E</li> <li>Add scope and budget for 1 existing WP-43 design subtask</li> <li>Add scope and budget for demo of 2nd residence near OHB</li> <li>Extend Period of Performance to July 31, 2017</li> </ul>	Houston-Moore Group	340,723
<ul> <li>6.a.4 Task Order 17 Amendment 4 (Services During Construction – Work Package 42)</li> <li>Incorporate AWD-00059</li> <li>Add scope and budget SDC for WP-42F.2</li> </ul>	Houston-Moore Group	333,000
Construction Change Orders		
<ul> <li>6.a.5 WP-42F.1S Change Order 08</li> <li>Differing subsurface conditions</li> <li>Floating castings</li> </ul>	Industrial Builders, Inc.	257,901.37
<ul><li>6.a.6 WP-42C.1 Change Order 02</li><li>Install additional length of helical pier</li></ul>	Landwehr Construction, Inc.	79,632.00
Third-Party Services Agreement		
<ul> <li>6.a.7 Service Agreement and Phase 2 Services Order</li> <li>Phase 2 - Eight year multi-party platform electronic data management system and services to manage and store Program Records.</li> </ul>	Aconex	1,322,146
Memorandum of Agreement (MOA)		
<ul> <li>6.a.8 Mitigation at Maple River Sites</li> <li>Reach 7/Maple River aqueduct portion of the proposed diversion channel.</li> </ul>	US Army Corps of Engineers	

Meeting Date: 6/14/2016



# Technical Advisory Group Recommendation

**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 8 - Project Management

\$15,100

- Increases 2016 insurance budget to cover actual cost
- Updates programmatic schedule activity ID for Project Management subtasks

#### **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 increases Subtask D (Insurance) to cover actual 2016 insurance cost and updates the programmatic schedule activity ID for Project Management subtasks.

# **Summary of Contracting History and Current Contract Action:**

Original Agreement or Amendment		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.
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.

#### **DISCUSSION:**

HMG's project insurance coverage requirement is \$10,000,000. Half (\$5,000,000) is at HMG's expense and the other half is a project reimbursable expense.

Historic HMG project reimbursable insurance costs are listed below:

2012 \$80,000

2013 \$85,000 (approximate)

2014 \$90,000 (approximate)

2015 \$109,000

Amendment 6 (14-Aug-15) included an estimated 2016 insurance budget of \$115,000 plus \$15,000 to fund the previous year's Subtask D (Insurance) shortfall.

HMG's actual cost for the additional 2016 insurance was \$130,414. The period of coverage is 18-Mar-16 through 18-Mar-17, see attached portion of HMG Project Management invoice #1300 for the period ending 31-mar-16.

This Amendment 8 increases the 2016 insurance budget \$15,100 to \$130,100. There is also an administrative change to correct the programmatic schedule activity ID for Project Management subtasks.

Subtasks A, B, and C are adequately funded for the proposed POP extension to December 31, 2106 and do not require an adjustment at this time.

#### **TO01** Project Management Budgets by Subtask:

Subtask	Activity ID	Current Budget (\$)	Amendment 8 (\$)	Total (\$)
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	97,500
C. On-Call Services	SW-1160	50,000	0	50,000
D. Insurance	SW-1160	465,000	15,100	480,100
TOTAL		4,255,675	15,100	4,270,775

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

This change amount of \$15,100 is included in the FY-2016 FMDA budget.

## ATTACHMENT(S):

- 1. Draft Task Order 1, Amendment 8
- 2. Actual 2016 insurance cost back-up information

# Presented by:

Shu W. Later	June 14, 2016
John Glatzmaier, P.E.	Date
CH2M HILL	
Project Manager	
Metro Flood Diversion Project	
Keith Berndt, Cass County Administrator	April Walker, Fargo City Engineer
Concur: June 14, 2016 Non-Concur:	Concur: <u>June 21, 2016</u> Non-Concur
Mark Bittner, Fargo Director of Engineering	Jason Benson, Cass County Engineer
Concur: June 21, 2016 Non-Concur:	Concur: Non-Concur
David Overbo, Clay County Engineer	Robert Zimmerman, Moorhead City Engineer
Concur: June 16, 2016 Non-Concur:	Concur: June 15, 2016 Non-Concur
Nathan Boerboom, Diversion Authority Project	
Manager, 16, 2016	
Concur: Non-Concur:	



#### Houston-Moore Group, LLC

# Task Order No. 1, Amendment 78

# 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.

#### 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.
- 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.
  - 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.
  - 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.
      - 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).

#### Deliverables

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

<u>Phase</u>	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:
  - 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.
    - 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	<u>SW-</u> <u>1160</u> <del>SW-</del> <del>1150</del>	3,364,175 <del>2,989</del> , <del>175</del>	<del>375,000</del> 0	3,364,175
A.ii	Public Involvement Assistance	<u>SW-</u> 1160 <del>SW-</del> 1180	279,000 <mark>256,00</mark> 0	<del>23,000</del> <u>0</u>	279,000
В.	Project Controls	<u>SW-</u> 1160 <del>SW-</del> 1150	97,500	0	97,500
C.	On-Call Services	<u>SW-</u> 1160 <del>SW-</del> 1150	50,000	0	50,000
D.	Insurance	<u>SW-</u> 1160 <del>SW-</del> 1150	465,000	<del>0</del> 15,100	465,000 <u>480,1</u> <u>00</u>
	TOTAL		3,857,675 <u>4,255</u> ,675	398,000 <u>15,</u> 100	4 <del>,255,675</del> 4,27 0,775

- 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
  - 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
- 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	Darrell Vanyo				
Name	Name				
President	Chairman, Flood Diversion Board of Authority				
Title	Title				
DESIGNATED REPRESENTATIVE FOR	DESIGNATED REPRESENTATIVE FOR				
TASK ORDER:	TASK ORDER:				
C. Gregg Thielman	Keith Berndt				
Name	Name				
Sr. Project Manager	Cass County Administrator				
Title	Title				
	211 9th Street South				
925 10 <sup>th</sup> Avenue East	PO Box 2806				
West Fargo, ND 58078	Fargo, ND 58108-2806				
Address	Address				
cgthielman@houstoneng.com	berndtk@casscountynd.gov				
E-Mail Address	E-Mail Address				
(701) 237-5065	(701) 241-5720				
Phone	Phone				
	(701) 297-6020				
Fax	Fax				



Houston-Moore Group 925 10<sup>th</sup> Ave E West Fargo, ND 58078 Tel 701-282-4692 Fax 701-282-4530

June 1, 2016

Flood Diversion Authority 211 Ninth Street South Box 2806 Fargo, ND 58108-2806

Email: APInvoicesFMDiv (APInvoicesFMDiv@ch2m.com)

Attention: CH2M

Subject: Invoice: 1300

March 2016

## To Whom it May Concern:

The March 2016 invoice for Task Order No. 1 in the amount of \$193,557.37 is attached for your review and approval. This invoice includes work conducted by Houston-Moore Group and sub consultants Kadrmas Lee & Jackson, Barr Engineering Company, Braun Intertec Corporation, HDR, Inc., and SRF Consulting Group, Inc. as shown in the attached Invoice 1300. Monthly contract status is provided as part of this invoice submission.



Houston-Moore Group 925 10<sup>th</sup> Ave E West Fargo, ND 58078 Tel 701-282-4692 Fax 701-282-4530

# Invoice Summary:

Task No.	Activity ID	Original Budget	Amendment Amount	Total Budget	Total	Percent Expended (%)	Current	Previous	Balance Remaining	Estimate at Completion
		(\$)	(\$)	(\$)	Invoices (\$)		Invoice (\$)	Invoices (\$)	(\$)	(\$)
HEI/MEI	SW-1150	554,175	2,810,000.00	3,364,175.00	2,852,179.58	84.8%	55,306.87	2,796,872.71	511,995.42	3,364,175.00
401	SW-1180	50,000	229,000.00	279,000.00	244,961.11	87.8%	2,974.00	241,987.11	34,038.89	279,000.00
501	SW-1150	207,500	-110,000.00	97,500	68,147.21	69.9%	4,862.50	63,284.71	29,352.79	97,500.00
601	SW-1150	150,000	-100,000.00	50,000	0.00	0.0%	0.00	0.00	50,000.00	50,000.00
701	SW-1150	0.00	465,000.00	465,000.00	480,046.00	103.2%	130,414.00	349,632.00	-15,046.00	480,046.00
Total		961,675	3,294,000.00	4,255,675.00	3,645,333.90	85.7%	193,557.37	3,451,776.53	610,341.10	4,255,675.00





## **Contract Summary:**

Task Order	Amendment	Approval	Period of
No.	No.	Date	Performance
1	0	05/21/2012	09/30/2012
1	1	10/10/2012	09/30/2013
1	2	01/10/2013	09/30/2013
1	3	10/10/2013	09/30/2014
1	4	02/13/2014	09/30/2014
1	5	08/14/2014	09/30/2015
1	6	08/14/2015	03/31/2016
1	7	03/11/2016	12/31/2016

## Potential Change Orders:

Item No.	Description	Submittal Date	Status	Estimated Amount	Approved Amount	Approved Time Extension	Comments
1	Insurance	06/01/2016	Submitted	\$15,046.00		LXCEISIOII	Task 701 –
1	insurance	00/01/2010	Submitted	\$15,046.00			additional
							budget
							needed for
							increased
							renewal
							coverage.

## Schedule Summary:

A Summary of major schedule dates is as follows:

No delays in schedule have been identified at this time.

Work accomplished during this period includes:

\*Include information such as task completion dates, meeting dates, dates of field work such as surveys etc.

## Task No. HEI/MEI - Project Management

- 1. Task Order progress tracking.
- 2. Coordination with PMC, Sponsors, USACE including TAG meetings on 03/15/2016, 03/22/2016 and 03/29/2016, TWG meeting on 03/10/2016, Diversion Authority meetings on 03/10/2016 and 03/31/2016, CCJWRD meetings on 03/10/2016 and 03/24/2016, and other project conference calls.

#### Task No. 401 - Public involvement assistance

- 1. Staging area 925 elevation mapping.
- 2. Rush River Water Resource District maps.

## Task No. 501 -Project Controls

1. Managing sub-consultant scopes, invoices, and payments.

## Task No. 601 -On-Call Services

1. None

## Task No. 701 -Insurance

1. Professinal liability insurance has been renewed.

Work planned for next period includes:

## Task No. HEI/MEI -Project Management

- 1. Task Order progress tracking.
- 2. Coordination with PMC, Sponsors, USACE including TAG, TWG, Diversion Authority, CCJWRD, and other project conference calls.

#### Task No. 401 -Public involvement assistance

1. None identified at this time.

## Task No. 501 -Project Controls

1. Managing sub-consultant scopes, invoices, and payments.

#### Task No. 601 -On-Call Services

1. None identified at this time.

## Task No. 701 -Insurance

1. None identified at this time.

Please advise if you have any questions about this invoice.

Sincerely,

Houston - Moore Group

Lyndon M. Pease, PE

Project Manager



925 10th Ave E West Fargo, ND 58078 701-282-4692 Short pay invoice by \$15,046 for Insurance subtask that has exceed current budget.
Pay \$193,557.37 - \$15,046.00 = \$178,511.37.

Flood Diversion Authority Keith Berndt 211 9th Street South P. O. Box 2806 Fargo, ND 58108-2806 Invoice number 1300
Date 06/01/2016

Project 1001 Task Order 1 - Project Management

#### **Professional Services**

Task Order 1 - Project Management, thru 03-31-16.

FMDA Purchase Order No. 151232

## HEI/MEI - Project Management - Phase 201 & 301

Labor

Labor				<b></b> .
		Hours	Rate	Billed Amount
GIS Manager	-	2.00	146.00	292.00
Principal Engineer		8.50	180.00	1,530.00
Project Manager		66.00	157.00	10,362.00
Senior Project Manager		180.50	174.00	31,407.00
Expense				
		Units	Rate	Billed Amount
Miles	_			
03/08/2016		6.00	0.65	3.90
G.Thielman/To/From CH2M for Meeting.				
03/09/2016		17.00	0.65	11.05
L.Pease/Public Outreach and Land Managem	nent Committee Meetings			
03/10/2016		46.00	0.65	29.90
L.Pease/CCJWRD Meeting, TWG Meeting, G G.Thielma/To/From Cass County Highway De				
03/18/2016		13.00	0.65	8.45
J.Volk/03-10-16 DA Meeting				
03/31/2016		11.00	0.65	7.15
J.Volk/to/fr/6 Entity Meetings & DA Meeting.			_	
	Subtotal			60.45
Consultant				
	_	Cost Amount	Multiplier	Billed Amount
Contracted Service				
Barr Engineering Company		4,355.00	1.05	4,572.75
Braun Intertec Corporation		1,937.50	1.05	2,034.38
HDR, Inc.		1,787.19	1.05	1,876.55
Flood Divorcion Authority	Invoice number 1200		Invoice	data 06/01/2016

Flood Diversion Authority Project 1001 Task Order 1 - Project Management			nvoice number Date	1300 06/01/2016
HEI/MEI - Project Management - Phase 201 & 301				
Consultant				
		Cos		Billed
Contracted Service		Amour	nt Multiplier	Amount
Kadrmas, Lee & Jackson, Inc.		2,210.0	0 1.05	2,320.50
SRF Consulting Group, Inc.		810.7		851.24
Cital Contouring Croup, inc.	Sub		_	11,655.42
HEI/MEI - Project Management - Phas				55,306.87
401 Public Involvement Assistance				
Labor				
Labor				Billed
		Hour	s Rate	Amount
GIS Manager		2.0	0 146.00	292.00
GIS Technician I		25.5	0 99.00	2,524.50
GIS Technician II		1.5	0 105.00	157.50
	Phase sub	total		2,974.00
501 Project Controls				
Labor				
		Hour	s Rate	Billed Amount
Administrative Assistant		9.5	0 72.00	684.00
Bookkeeper		20.0	0 87.00	1,740.00
Project Manager		14.5	0 157.00	2,276.50
Senior Project Engineer		1.0	0 162.00	162.00
	Phase sub	total		4,862.50
701 Insurance				
Expense				
				Billed
M: II =		Unit	s Rate	Amount
Miscellaneous Expenses				420 444 00
03/18/2016				130,414.00
2016/2017 Professional Liability Renewal				
			Invoice total	193,557.37
Invoice Summary				
	Contract	Prior	Total	Current
Description	Amount	Billed	Billed	Billed
HEI/MEI - Project Management - Phase 201 & 301	3,364,175.00	2,796,872.71	2,852,179.58	55,306.87
401 Public Involvement Assistance	279,000.00	241,987.11	244,961.11	2,974.00
501 Project Controls	97,500.00	63,284.71	68,147.21	4,862.50
601 On-Call Services	50,000.00	0.00	0.00	0.00
701 Insurance Over Budget	465,000.00	349,632.00	480,046.00	130,414.00

Total

4,255,675.00

3,451,776.53

3,645,333.90

193,557.37

**Dawson Insurance** 

721 1st Ave N

Fargo, ND 58102 Phone: 701-237-3311 701-232-4442

INVOICE NO	.104123	Page	1
ACCOUNT NO. OP	DATE		
HOUST-2 KL	03/18/2016		
PRODUCER			
Jay Kleingartner, CIC			
AMOUNT PAID	AMOUNT DU	E	
	\$1.	30,414.00	

**Houston Moore Group LLC** Attn Jeff Volk 925 10th Ave E West Fargo, ND 58078

ltm# Policy # Loan # Description Due Date Trn Type 891824 03/18/16 MEM PROF AEH288371384 16/17 Professional Liability

\$130,414 (

Amour

\$130,414.0

Invoice Balance:

1001.701 Misc Exp.

Meeting Date: 6/16/2016



## **Technical Advisory Group Recommendation**

**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 13 - Work-in-Kind (WIK)

\$5,800

Add budget for closing out comments on the USACE Diversion Inlet Design.

#### **BACKGROUND:**

Houston-Moore Group, LLC (HMG) has provided Work-in-Kind engineering services under Task Order 13 from November 8, 2012, to the present time, and is the Engineer of Record for those services. 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.

#### **DISCUSSION:**

Amendment 13 to Task Order 8 adds \$5,800 to the current budget for Task E.VIII, Large Structure Team Support, to close out review comments on the USACE Diversion Inlet Design. This work included obtaining additional subconsultant expertise in geotechnical, mechanical, and electrical engineering. Task E.VIII is complete and can be closed with this amendment.

**TO8 Utility Relocation and Identification Budgets by Subtask:** 

Subtask	Activity ID	Current Budget (\$)	Amendment 13 (\$)	Total (\$)
A. Meander Belt Width Analyses	SW-1010	307,203	0	307,203.00
B. Identification and Assessment	SW-1040	45,089.96	0	45,089.96
of Tie-Back Levees				
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	SW-1410	109,750	0	109,750.00
Team Support				
E.VIII. Large Structure Team	SW-6110	50,000	5,800	55,800.00
Support				
E.IX. Hydraulic Structures Aesthetics Evaluation	SW-6200	54,000	0	54,000.00

E.X. Baseline Stream Bank	SW-1390	219,440	0	219,440.00
Erosion Evaluation				
E.XI. LFC Modeling: Maple River	SW-6170	81,000	0	81,000.00
to Diversion Inlet				
TOTAL		1,512,865	5,800	1,518,665

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

This change amount of \$5,800 is included in the FY-2016 FMDA budget.

CHMENT	

1. Draft Task Order 8, Amendment 13

2. HMG Cost Proposal	
Presented by:	
Shu W. Leton	June 16, 2016
John Glatzmaier, P.E. CH2M HILL Project Manager Metro Flood Diversion Project	Date
Keith Berndt, Cass County Administrator	April Walker, Fargo City Engineer
Concur: June 21, 2016 Non-Concur:	Concur: June 21, 2016 Non-Concur
Mark Bittner, Fargo Director of Engineering	Jason Benson, Cass County Engineer
Concur: June 21, 2016 Non-Concur:	Concur: Non-Concur
David Overbo, Clay County Engineer	Robert Zimmerman, Moorhead City Engineer
Concur: Non-Concur:	Concur: June 17, 2016 Non-Concur
Nathan Boerboom, Diversion Authority Project  Manager  Concur: June 16, 2016 Non-Concur:	



#### Houston-Moore Group, LLC

# Task Order No. 8, Amendment 1213

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.

- 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:

- 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.

- 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:

- 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

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.

- 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.

#### 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

 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).

- 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.
  - 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

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:

- 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).
- 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.

- 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

 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

- 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.
- 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.
  - 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

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

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
    - 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
    - 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

- 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.
- 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.
- 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.

#### 3. Owner's Responsibilities

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

#### 4. Times for Rendering Services

<u>Subtask</u>	Start Time	<b>Completion Time</b>
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
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

<u>Subtask</u>	Start Time	<b>Completion Time</b>
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

#### 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.

	Subtask	Activity ID	Current Budget (\$)	Change (\$)	Revised Budget (\$)
A.	Meander Belt Width Analyses	SW-1010	307,203	0	307,203.00
В.	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

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E.	On-Ca	all 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. Suppo	Cemetery Assessment Team ort	SW-1410	109,75085,00 0	<del>24,750</del> 0	109,750.00
	E.VIII.	Large Structure Team Support	SW-6110	50,000	<u>5,800</u> 0	55,800.005 <del>0,</del>
	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 <del>210,0</del>	<del>9,440</del> 0	219,440.00
	E.XI.	LFC Modeling: Maple River to Diversion Inlet	SW-6170	81,000	0	81,000.00
то	TAL			1,512,865 <del>1,47</del> 8,675	5,800 <sup>34,19</sup>	1,518,665 <del>1,5</del> 12,865

- 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

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July 10, 2014.

- B. AWD-00046 REV-0, MN EIS Support for Additional Information Request, signed December 10, 2014.
- 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.

Signature Date Signature Date Signature Date Jeffry J. Volk Darrell Vanyo Name Board Chair Title Title Title  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Keith Berndt Name  Sr. Project Manager Tale 211 9th Street South PO Box 2806 West Fargo, ND 58078 Address  cgthielman@houstoneng.com E-Mail Address  (701) 237-5065 Phone  Faxe  Date Manager Date Signature Date Signature  Signature Date Signature  Designature Date Signature  Signature Date Signature  Signature Date Signature  Signature Date Signature  Date Date Signature  Board Chair  Title  Cass County Administrator  Title  211 9th Street South PO Box 2806 Fargo, ND 58108-2806  Address  Cgthielman@houstoneng.com E-Mail Address  (701) 237-5065 Phone Faxe  Signature  Signature  Signature  Signature  Signature  Signature  Signature  Date Signature  Designature  Signature  Date Signature  Designature  Title  Title  Title  211 9th Street South PO Box 2806 Fargo, ND 58108-2806  Address  County Administrator  Title  211 9th Street South Po Box 2806 Fargo, ND 58108-2806  Address  Cgthielman@houstoneng.com E-Mail Address  Cron 1) 241-5720 Phone Five	ENGINEER:	OWNER:
Jeffry J. Volk Name  Darrell Vanyo Name  President Title  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Name  Sr. Project Manager Title  Title  Title  Cass County Administrator Title Title  Title  1 Title  Title  Cass County Administrator Title Title 211 9th Street South PO Box 2806 Fargo, ND 58078 Address Address Address  Cethielman@houstoneng.com E-Mail Address  (701) 237-5065  Phone  (701) 297-6020	Houston-Moore Group, LLC	Fargo-Moorhead Metro Diversion Authority
Jeffry J. Volk Name  Darrell Vanyo Name  President Title  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Name  Sr. Project Manager Title  Title  Title  Cass County Administrator Title Title  Title  1 Title  Title  Cass County Administrator Title Title 211 9th Street South PO Box 2806 Fargo, ND 58078 Address Address Address  Cethielman@houstoneng.com E-Mail Address  (701) 237-5065  Phone  (701) 297-6020		
Name President Title  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Name  Sr. Project Manager Title  Title  211 9th Street South PO Box 2806 Fargo, ND 58078 Address  Cethielman@houstoneng.com E-Mail Address  (701) 237-5065 Phone  Phone  BOSIGNATED REPRESENTATIVE FOR TASK ORDER:  Cass County Administrator Title Title 211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address  (701) 241-5720 Phone (701) 297-6020	Signature Date	Signature Date
Name President Title  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Name  Sr. Project Manager Title  Title  211 9th Street South PO Box 2806 Fargo, ND 58078 Address  Cethielman@houstoneng.com E-Mail Address  (701) 237-5065 Phone  Phone  BOSIGNATED REPRESENTATIVE FOR TASK ORDER:  Cass County Administrator Title Title 211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address  (701) 241-5720 Phone (701) 297-6020	Jeffry J. Volk	Darrell Vanyo
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Title  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Name  Sr. Project Manager Title Title 2211 9th Street South PO Box 2806 Fargo, ND 58078 Address  Cethielman@houstoneng.com E-Mail Address  (701) 237-5065 Phone  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  Keith Berndt Name  Cass County Administrator Title 211 9th Street South PO Box 2806 Fargo, ND 58108-2806 Address  E-Mail Address  (701) 241-5720 Phone (701) 297-6020		
DESIGNATED REPRESENTATIVE FOR TASK ORDER:  C. Gregg Thielman Name  Sr. Project Manager Title Title 211 9th Street South PO Box 2806 Fargo, ND 58078 Address  Cethielman@houstoneng.com E-Mail Address  (701) 237-5065 Phone  DESIGNATED REPRESENTATIVE FOR TASK ORDER:  Keith Berndt Name  Cass County Administrator  Title 211 9th Street South PO Box 2806 Fargo, ND 58108-2806  Address  Address  (701) 241-5720 Phone (701) 297-6020	President	Board Chair
TASK ORDER:  C. Gregg Thielman  Name  Sr. Project Manager  Title  Title  925 10 <sup>th</sup> Avenue East West Fargo, ND 58078  Address  cgthielman@houstoneng.com  E-Mail Address  (701) 237-5065  Phone  TASK ORDER:  Keith Berndt  Name  Keith Berndt  Name  Cass County Administrator  Title 211 9th Street South PO Box 2806 Fargo, ND 58108-2806  Address  berndtk@casscountynd.gov  E-Mail Address  (701) 241-5720 Phone  (701) 297-6020	Title	Title
TASK ORDER:  C. Gregg Thielman  Name  Sr. Project Manager  Title  Title  925 10 <sup>th</sup> Avenue East West Fargo, ND 58078  Address  cgthielman@houstoneng.com  E-Mail Address  (701) 237-5065  Phone  TASK ORDER:  Keith Berndt  Name  Keith Berndt  Name  Cass County Administrator  Title 211 9th Street South PO Box 2806 Fargo, ND 58108-2806  Address  berndtk@casscountynd.gov  E-Mail Address  (701) 241-5720 Phone  (701) 297-6020		
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	Phone	Phone
		(704) 207 (020
	Fax	(701) 297-6020 Fax

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# FM Metro Flood Risk Management Project Task Order No. 8 - Amendment No. 13

Task	Activity Description	Cost Per Task
Additional Engineering Se	rvices for USACE Diversion Inlet Design Review	
	Close out review comments for the USACE Diversion Inlet Design. This work included obtaining additional sub-consultant expertise in geotechnical, mechanical and electrical engineering. \$5,493 plus 5% markup.	\$ 5,768
	Total	\$ 5,768
	Grand Totals	\$ 5,768

Meeting Date: 6/15/2016



## **Technical Advisory Group Recommendation**

**RECOMMENDATION FOR ACTION:** 

The Technical Advisory Group (TAG) 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

MFDA - Task Order 17, Amendment 4 - WP-42 SDC

\$333,000

- Incorporate AWD-00059 SDC scope amendment budget changes for WP42F.1S, WP42H.2, and WP42I.1
- Add SDC scope and budget for WP42F.2, Flood Control, 2<sup>nd</sup> St. South

#### **BACKGROUND:**

Houston-Moore Group, LLC (HMG) is the Engineer of Record for the In-Town Levees (WP-42), and has provided Services During Bid (SDB) and Services During Construction (SDC) for WP-42 from July 10, 2014, 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	Project Start	Project Completion	Comments
Task Order 17 Amendment 0	\$ -	\$1,550,000	\$ -	10-Jul-14	30-Sep-16	Initial WP-42 SDB and SDC agreement for WP-42A.1, WP-42A.2, and WP42A.3.
Task Order 17 Amendment 1	\$693,000		\$2,243,000	10-Jul-14	30-Sep-16	Adds SDB and SDC for WP-42F.1S; SDB for WP-42H.2; SDB for WP-42I; and, SDB for WP-42C.2.
Task Order 17 Amendment 2	\$1,605,000		\$3,848,000	10-Jul-14	30-Jun-17	Incorporated AWD-00052; added additional SDC period of performance and budget for WP-42A.2 and WP-42A.1/A.3; added SDC for WP-42H.2, WP-42I.1, and WP-42C.1; and, added SDB for 42F.1N.
Task Order 17 Amendment 3	\$751,000		\$4,599,000	1-May-16	31-Jul-17	Incorporates AWD-00058 and includes additional SDC services for 42F.1N. Adds requirement for Engineer to note Activity ID on monthly invoices.
Task Order 17 Amendment 4	\$333,000		\$4,599,000	23-Jun-16	31-Jul-17	Incorporates AWD-00059 scope amendment budget changes for WP42F.1S, WP42H.2, and WP42I.1. Add SDC scope and budget for WP42F.2.

#### **DISCUSSION:**

Incorporate SDC scope amendment budget changes for WP-42F.1S, WP-42H.2, and WP-42I.1:

Amendment 4 incorporates the budget associated with scope changes from Amendment 3 and originally authorized by AWD-00059 for the following projects. HMG provided costs proposals for these SDC scope changes and the PMC reviewed and found them to be acceptable:

- WP-42F.1S amended SDC budget (\$ 50,000 increase)
- WP-42H.2 amended SDC budget (\$ 27,000 increase)
- WP-42I.1 amended SDC budget (\$ 28,000 increase)

#### WP-42F.2 (2<sup>nd</sup> Street South Levee):

Amendment 4 incorporates SDC scope and budget for WP-42F.2. HMG's proposal for this work is attached. The PMC reviewed this proposal and found it to be acceptable. (\$ 228,000 increase)

Amendment 4 also incorporates schedule Activity IDs into the contract. The proposed budget changes are listed in the table below.

WP-42 SDB and SDC Budgets by Work Package and Amendment:

	· · ·						
Work Package	Act. ID	SDB (\$)	SDC (\$)	PM (\$)	On Call (\$)	Total (\$)	Amendment
WP-42A.2 & 42A.1/A3	CN-9520	50,000	1,300,000	180,000	20,000	1,550,000	TO17-A0
WP-42F.1S	CN-9520	36,000	540,000	60,000		636,000	
WP-42H.2	CN-9520	27,000				27,000	
WP-42I.1	CN-9520	15,000				15,000	TO17-A1
WP-42C.2	CN-9520	15,000				15,000	
Subtotal TO17-A1		93,000	540,000	60,000	0	693,000	
WP-42A.2	CN-9520		192,000			192,000	
WP42A.1/A3	CN-9520		830,000	28,000		858,000	
WP-42C.1	CN-9520	10,000	22,000	3,000		35,000	
WP-42C.2	CN-9520		40,000			40,000	T047.42
WP-42H.2	CN-9520		263,000	38,000		301,000	TO17-A2
WP-42I.1	CN-9520		132,000	25,000		157,000	
WP-F.1N	CN-9520	22,000				22,000	
Subtotal TO17-A2		32,000	1,479,000	94,000	0	1,605,000	
WP-42F.1N	CN-9520	0	684,000	52,000	0	736,000	
WP-42F.2	CN-9520	15,000	0	0	0	15,000	TO17-A3
Subtotal TO17-A3		15,000	684,000	52,000	0	751,000	
WP-42F.1S	CN-9520		50,000			50,000	
WP-42H.2	CN-9520		27,000			27,000	
WP-42I.1	CN-9520		28,000			28,000	TO17-A4
WP-42F.2	CN-9520		213,000	15,000		228,000	
Subtotal TO17-A4		0	318,000	15,000	0	333,000	
TOTAL		190,000	4,321,000	401,000	20,000	4,932,000	

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

This change amount of \$333,000 is included in the FY-2016 MFDA budget.

## ATTACHMENT(S):

- 1. Draft Task Order 17, Amendment 4
- 2. AWD-00059
- **3.** HMG Cost Proposals

Preser	hat	hv.
FIESEL	ıteu	DV.

resented by.	
San W. Later	June 15, 2016
John W. Glatzmaier, P.E.	Date
CH2M	
Project Manager	
Metro Flood Diversion Project	
Keith Berndt, Cass County Administrator	April Walker, Fargo City Engineer
Concur: June 21, 2016 Non-Concur:	Concur: June 21, 2016 Non-Concur
Mark Bittner, Fargo Director of Engineering	Jason Benson, Cass County Engineer
Concur: June 21, 2016 Non-Concur:	Concur: Non-Concur
David Overbo, Clay County Engineer	Robert Zimmerman, Moorhead City Engineer
Concur: June 16, 2016 Non-Concur:	Concur: June 17, 2016 Non-Concur
Nathan Boerboom, Diversion Authority Project	
Manager	
MANAPEI	

Concur: June 16, 2016 Non-Concur:



#### Houston-Moore Group, LLC

# Task Order No. 17, Amendment 34

## MFDA Purchase Order No. 174124

**Services During Construction - Work Package 42** 

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. 17 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.

REPLACE Task Order No. 17, Amendments 0, 1, and 2 in their entirety with the following:

- 1. Specific Project Data
  - A. Title: SERVICES DURING CONSTRUCTION WORK PACKAGE 42
  - B. Description: Provide Services During Bid (SDB) and Services During Construction (SDC) for projects designed by HMG for the Fargo-Moorhead Area Flood Diversion Project (Project).
  - C. Background: The scope of work for this Task Order includes SDB and SDC. Owner will be issuing various construction packages for bid. Engineer will assist Owner with SDC, including SDB. It is anticipated that the following construction contracts will be required:
    - 1) WP-42A.1, A.3 Red River Levees 4th Street Lift Station, Gatewell, and Outfall Structure
    - 2) WP-42A.2 Red River Levees –2nd Street Lift Station and Gatewell Structure
    - 3) WP-42F.1S Flood Control, 2nd Street North, South of Pump Station
    - 4) WP-42H.2 El Zagal Area Flood Risk Management Phase 2 (SDB and SDC)
    - 5) WP-42I.1 Mickelson Levee Extension (SDB and SDC)
    - 6) WP-42C.2 Park East Demolition (SDB and SDC)
    - 7) WP-42C.1 HoJo, Old Shakey's, and FPS Demolition (SDB and SDC)
    - 8) WP-42F.1N Flood Control, 2<sup>nd</sup> Street North, North of Pump Station (SDB and SDC)
    - 9) WP-42F.2 Flood Control, 2<sup>nd</sup> Street South, (Park East) (SDB and SDC)

#### 2. Services of Engineer

The following functions and activities describe the general services authorized under this Task Order, Engineer will perform activities to accomplish the scope described herein, as well as other services that may be mutually agreed to by the parties pursuant to the terms of the Agreement.

#### A. Services During Bidding

- Respond to bidder inquiries forwarded by Owner's Representative during advertisement period and prepare addenda as necessary to provide a clear, biddable set of solicitation documents.
- 2) Attend and participate in pre-bid meetings and site visits.
- 3) Attend bid openings and, if requested, assist in evaluation of bids.
- 4) Incorporate addenda into the plans and technical specifications for the Contract Award Documents.
- 5) Prepare a submittal register based on the Contract Documents indicating required submittals, the specific technical submittals requiring review and/or approval by the Engineer, and administrative submittals that can be reviewed by the Owner's Representative.

#### B. Services During Construction

- Comply with the general guidelines of the Memorandum for Record No. 018 (MFR-018)
   "Fargo-Moorhead Metro (FMM) Flood Risk Management (FRM) Project Sponsor
   Constructed Features Roles and Responsibilities" between the Diversion Authority,
   US Army Corps of Engineers (USACE), and the Program Management Consultant (PMC)
   as modified herein.
- 2) Fulfill the duties of Engineer in accordance with the specific requirements of the Contract Documents for each project. Follow project documentation requirements provided by the PMC.
- 3) Participate in one or more partnering meetings.
- 4) Comply with Owner's and Contractor's safety plans.
- 5) Provide a Resident Project Representative (RPR) that will represent the Engineer and Owner's Representative. RPR will have the duties and defined in the Contract Documents for each project.
- 6) Provide Quality Assurance Managers and/or Project Engineers to perform general field observation and manage the specific inspections to be performed by third party materials testing firm, and other specialty inspection agents as needed.
  - a. Validate results of tests and inspections, oversee retesting or other actions needed to reconcile deficiencies.
  - b. Maintain a log for each type of test conducted.
  - c. Prepare Daily Reports and submit to Owner's Representative and City of Fargo.
  - d. Prepare Weekly Reports for each project documenting the work performed by Contractor, Quality Assurance activities performed, and current issues and challenges.
- 7) Respond to Requests for Information and other construction communication provided by the Owner's Representative.

- 8) Review shop drawings, samples, and operation and maintenance manuals for conformance with the Contract Documents.
- 9) Lead development and scoping, and coordinate Contractor pricing of Change Orders or other modifications that affect the design or function of the Project, and provide drafts to PMC for review and approval recommendation to Owner.
- 10) Perform the following survey tasks in accordance with MRF-015, Survey Standards:
  - a. Additional project control, if required.
  - b. Benchmark checks during construction.
  - c. Existing conditions surveys.
  - d. Quantity surveys for Contractor's monthly payment application.
  - e. As-built construction surveys.
- 11) Maintain a set of full-scale contract drawings indicating as-built conditions. Assemble redline information from Contractor, Engineer's Resident Project Representative, and other sources to maintain these drawings.
- 12) Prepare or review site visit reports for site visits by Engineer, USACE or their external peer review team, or other authorities.
- 13) Be responsible for commissioning activities, including equipment testing, demonstrations of capability and operability, and training of operating staff.
- 14) Assist Owner's Representative with determination of monthly pay application quantities.
- 15) Identify issues on a punch list for the Contractor to resolve. Upon completion of punch list items, coordinate a final inspection. Document each inspection.
- 16) Following completion of construction, update the Design Document Report to reflect the design changes, contract modifications, site conditions encountered, testing, and submittals.
- 17) Provide Final As-Built drawings in conformance with the same standards as the design drawings.
- 18) Prepare a post construction Inspection and Monitoring Plan specifying annual inspections required to verify satisfactory maintenance and performance of the flood risk management features.
- 19) Provide flood risk reduction certifications as required by Owner.
- 20) Deliverables:
  - a. Contract Award Document(s)
  - b. Log of QC Tests
  - c. Daily Reports
  - d. Weekly Reports
  - e. Site Visit Reports

- f. Punch List(s)
- g. Updated Design Document Report
- h. Final As-Built Drawings
- i. Inspection and Monitoring Plan
- i. Flood Risk Reduction Certifications

#### B. Project Management

- 1) Provide project management, including monthly status reports and invoicing to PMC, on Engineer's task activity.
- 2) Participate in regular and periodic meetings or teleconferences with contractors, the Owner's Representative, City of Fargo, Owner, and USACE.
- 3) Deliverables:
  - a. Monthly status reports and invoices
- C. On-Call Services
  - 1) Respond to requests for services from Owner or Owner's Representative for tasks not included in individual Task Orders. Services will be provided only with written authorization from Owner or Owner's Representative.
  - 2) Deliverables:
    - a. On-call services deliverables as requested.

#### 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

<u>Subtask</u>	Start Time	Completion Time
All Work	July 10, 2014	September 30, 2016
Amendment 2	January 28, 2016	June 30, 2017
Amendment 3	May 1, 2016	July 31, 2017

#### 5. Payments to Engineer

- A. Owner shall pay Engineer for services rendered as follows:
  - I. Compensation for services in Subtasks A, B, and C shall be on a Time and Material basis in accordance with the Standard Hourly Rates shown in Exhibit C of the Agreement.
  - II. The budgets for Subtask D is an allowance.
- B. Engineer will notify Owner when 80 percent of the budget is expended.
- C. Engineer will submit an amendment for additional compensation when 90 percent of the budget is expended, or confirm to Owner that this Task Order can be completed for the remaining budget.
- D. Engineer will not perform work beyond 100 percent of the budget without Owner's authorization by an amendment to this Task Order.

Subtask	Activity ID	Current Budget (\$)	Change (\$)	Revised Budget (\$)
A. Services During Bid	CN- <u>9520</u> XXXX WP-42SDC	<u>190,000</u> <del>175,000</del>	<u>15,0000</u>	190,000
B. Services During Construction	CN- <u>9520</u> XXXX WP-42SDC	4,003,000 <del>3,319,</del> 000	318,000 <del>6</del> 84,000	4,321,0004 <del>,0</del> 03,000
C. Project Management	CN- <u>9520</u> <del>XXXX</del> WP-42SDC	<u>386,000</u> 334,000	15,000 <del>52,</del> 000	401,000 <mark>386,</mark> 000
D. On-Call Services	CN- <u>9520</u> XXXX WP-42SDC	20,00020,000	0	20,000
TOTAL		4,599,000 <mark>3,848,</mark>	333,000 <del>7</del> 51,000	4,932,0004 <del>,5</del> 99,000

- E. The terms of payment are set forth in Article 4 and EXHIBIT of Agreement C.
- 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. Sub consultants:
  - A. Barr Engineering (geotechnical inspections and support)
  - B. SRF (signaling and lighting)
- 7. Other Modifications to Agreement: No additions or modifications
- 8. Attachments: None.
- 9. Documents Incorporated By Reference:
  - A. Agreement between Owner and Engineer for Professional Services Task Order Edition, dated March 8, 2012.
  - B. AWD-00050 REV-0, Services During Bidding-WP-42F.1S, dated July 9, 2015.

- C. AWD-00052 REV 0, WP-42C.2 SDC and WP-42C.1 SDB, dated November 12, 2015.
- D. AWD-00058 REV 0, WP-42F.1N SDC and WP-42F.2 SDB, dated May 12, 2016.

D-E. AWD-00059 REV 0, WP-42F.1S, WP-42H.2, and WP-42I.1 additional SDC, dated May 26, 2016.

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 <u>July 10, 2014</u>.

ENGINEER:	OWNER:	
Houston-Moore Group, LLC	Fargo-Moorhead Metro Diversion Authority	
Signature Date	Signature	Date
Jeffry J. Volk	Darrell Vanyo	
Name	Name	
President	Chairman, Flood Diversion Board of Authority	
Title	Title	
DESIGNATED REPRESENTATIVE FOR	DESIGNATED REPRESENTATIVE FOR	
TASK ORDER:	TASK ORDER:	
C. Gregg Thielman	Keith Berndt	
Name	Name	
Sr. Project Manager	Cass County Administrator	
Title	Title	
925 10 <sup>th</sup> Avenue East	211 9th Street South , PO Box 2806	
West Fargo, ND 58078	Fargo, ND 58108-2806	
Address	Address	
cgthielman@houstoneng.com	berndtk@casscountynd.gov	
E-Mail Address	E-Mail Address	
(701) 237-5065	(701) 241-5720	
Phone	Phone	
	(=04) 00= c000	
	(701) 297-6020	
Fax	Fax	



#### METRO FLOOD DIVERSION PROJECT

## **AUTHORITY WORK DIRECTIVE**

AWD-00059 REV-0

WP-42 Services During Construction

WORK TYPE:

WIK

TO:

Houston-Moore Group, LLC

DATE INITIATED:

5/26/2016

PROJECT:

Fargo-Moorhead Diversion Engineering Design

OWNER:

Metro Flood Diversion Authority

The following additions, deletions, or revisions to the Work have been ordered and authorized:

#### **OBJECTIVE:**

Add Services During Construction (SDC) scope of work for WP-42F.1S, WP-42H.2, and WP-42I.1 due to change in project delivery.

#### BACKGROUND:

Houston-Moore Group, LLC (HMG) is the Engineer of Record for the In-Town Levees (WP-42) work packages, and has provided Services During Bid (SDB) and Services During Construction (SDC) for WP-42 projects from July 10, 2014, to the present time. The Diversion Authority, in consultation with HMG and CH2M, has changed the scope of work of both the HMG Services During Construction (SDC) task order and the CH2M Construction Management (CM) task order.

#### SCOPE:

The change includes transfer of the following scope from the CM task to the SDC task:

- scheduling and coordination of Owner's third party material testing firm,
- preparation of daily and weekly reports,
- · development, scoping and negotiation of Change Orders,
- field surveys,
- maintenance of as-built drawings,
- preparation of site visit reports,
- commissioning of facilities, and
- issuing punch lists.

#### **DELIVERABLES:**

Deliverables include but are not limited to: daily and weekly reports, change orders, surveys, as-built drawings, commissioning reports, and punch lists.

#### SCHEDULE:

Begin upon receipt of AWD.

#### **HOW WORK IS PERFORMED:**

This work will be performed on a time and material basis.

AWD-00059 WP42 SDC-HMG 10F2

#### COST:

Cost incurred under this AWD shall not exceed \$25,000, allocated as \$10,000 for WP-42F.1S, \$7,500 for WP-42H.2, and \$7,500 for WP-42I.1, without further written approval. The above scope of work will be incorporated into a future Task Order No. 17 amendment, which will supersede this AWD. Costs associated with this AWD will be invoiced under Task Order 17 after the amendment has been executed.

## REASON FOR CHANGE(S):

Extended negotiation period for Task Order 17 amendment.

**ATTACHMENTS (List Supporting Documents):** 

Recommended by:	ontract Amendment to be subsequent CH2M HILL	
	Program Management Consultant	<del>_</del>
	John Glatzmaier, P.E.	Program Manager
	Name	Title
	John Stale	) May 26, 2016
	Signature	Date
Ordered by:	Board of Authority	
	Owner	
	Darrell Vanyo	Board Chair
	Name	Title
	Name	5-2614
	Signature	Date

# FM Metro Risk Management Project HMG Task Order No. 17 - Services During Construction

		•	IMG Ta	<u> </u>	<del></del>	1101		-	Personr		_	,	01.40								
		М	or Project anager			Manager		Engir	sional neer	G	iradu ingin	eer		M Crew			echnician III			trative	
Task		Hours			urs	Cost	Hour			Hours		Cost	Hours			Hours		Hour		Cost	Cost Per Task
WP42F1S - 2nd Street/Do	owntown - South of Pump Station - Service	s During	g Construc	tion (	Assun	ie a rema	ining 6	mor	ith const	ructio	n tin	neline).	Estimate	e is for a	idditic	onal se	ervices due t	o revis	ed SD	C roles.	
	Provide Quality Assurance Managers and/or Project Engineers to perform general field observation and manage the specific inspections agents as needed. This includes a) Validate results of tests and inspections, oversee retesting or other actions needed to reconcile deficiencies. b) Maintain a log for each type of test conducted. c) Prepare Daily Reports and submit to Owner's Representative and City of Fargo. d) Prepare a weekly report for each project documenting the work performed by Contractor, Quality Assurance activities performed, and current issues and challenges.																				
Task 2.B.6 (New)		2	\$ 34	8	12 \$	1,884	48	3 \$	7,008	24	\$	2,640		\$	-		\$	-	8 \$	576	\$ 12,456
Task 2.B.9 (Expanded)	Lead development and scoping, and coordinate Contractor pricing of change Orders or other modifications that affect the design or function of the Project, and provide drafts to PMC for review and approval recommendation to Owner	1	\$ 17	4	4 \$	628	20	0 \$	2,920	40	\$	4,400		\$	-		\$	-	8 \$	576	\$ 8,698
	Perform the following survey tasks in accordance with MFR-015, Survey Standards: a) Additional project control, if required; b) Benchmark checks during construction; c) Existing conditions surveys; d) Quantity surveys for Contractor's monthly payment application; e) As-built construction surveys.																				
Task 2.B.10 (New)	Maintain a set of full-scale contract	1	\$ 17	4	0 \$		-	4 \$	584	8	\$	880	24	\$ 5	,568	4	\$ 492	2	\$		\$ 7,698
Task 2.B.11 (Expanded)	drawings indicating as-built conditions.  Assemble redline information from Contractor, Engineer's RPR, and other sources to maintain these drawings	0	\$	_	4 \$	628	1:	2 \$	1,752	24	\$	2,640	0	\$	_	24	\$ 2,952	2	\$	_	\$ 7,972
	Prepare or review site visit reports for site visits by Engineer, USACE or their external peer review team, or other authorities																				
Task 2.B.12 (New)		1	\$ 17	4	4 \$	628	12	2 \$	1,752	12	\$	1,320		\$	-	0	\$	-   -	2 \$	144	\$ 4,018
Task 2.B.13 (New)	Be responsible for commissioning activities, including equipment testing, demonstrations of capability and operability, and training of operating staff.	1	\$ 17	4	2 \$	314	1:	2 \$	1,752	12	\$	1,320		\$	-	0	\$		4 \$	288	\$ 3,848
Task 2.B.15 (New)	Identify issues on a punch list for the Contractor to resolve. Upon completion of punch list items, coordinate a final inspection. Document each inspection.	_1_	\$ 17	4	0 \$		16	5 <b>\$</b>	2,336	16	\$	1,760		\$	-	2	\$ 246	3	2 \$	144	\$ 4,660
	Expenses																				\$ 1,000
	Total	7	\$ 1,21	8	26 \$	4,082	124	4 \$	18,104	136	\$	14,960	24	\$ 5	,568	30	\$ 3,690	2	4 \$	1,728	\$ 50,350



# FM Metro Risk Management Project HMG Task Order No. 17 - Services During Construction

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		M	ior Project lanager		ect Manage	r	Eng	r Project jineer	- 1	Engi	luate ineer		M Crev			II			Senior ministrative		
Task	Activity Description	Hours	Cost	Hours	Cost	Н	lours	Cost	Hour	's	Cost	Hours	С	ost	Hours		Cost	Hours	Cost		Cost Per Task
WP42H.2 (El Zagal	Levee Phase 2) Additional SDC																				
	Oakadulia a and Oasadia ation of Oursada	1			1					1		1	<u> </u>		1			1	ı		
	Scheduling and Coordination of Owner's																				
Task 2.D.1	third party material testing firm. This can be		\$		\$		0 9	,		\$		0	\$			\$			\$	- \$	
Task Z.D. I	included in the RPR services.  Preparation of Daily and weekly reports.	U	Ψ	- (	Ψ	-	0 .	)		φ		0	φ			φ			Ψ	- ф	
	Assume 2 hour per week for the																				
	remaining 18 weeks until substantial																				
Task 2.D.2	completion.	0	\$	_	\$	_	0 5		. 3	6 \$	3,960	0	\$	_	0	\$	_	0	\$	- \$	3,960
	Development, scoping, and negotiation of	·	Ť		Ψ		Ŭ,	,	- 0.	<u> </u>	0,000	·	Ψ			Ψ			1		0,000
	change orders. Assume four change																				
	orders with one 8-hour day associated																				
Task 2.D.3	with development of the change order.	0	\$	-   0	\$	-	8 9	1,296	24	4 \$	2,640	0	\$	-	0	\$	_	0	\$	- \$	3,936
	Field Surveys. Assume eight 6-hour trips							,			,										· · · · · · · · · · · · · · · · · · ·
	to survey quantities and update record																				
	drawings and two hours of drafting per																				
Task 2.D.4	survey to determine quantities.	0	\$	- 12	\$ 1,88	34	0 5	}	. (	0 \$	-	48	\$ ^	11,136	16	\$	1,840	0	\$	- \$	14,860
	Maintenance of record drawings. Item																				
	included in exising scope of Services																				
Task 2.D.5	During Construction.	0	\$	- 0	\$	-	0 5	5	. (	0 \$	-	0	\$	-	0	\$	-	0	\$	- \$	-
	Preparation of site visit reports. Assume 1																				
	hour per week for the remaining 18	_		_									_		_			_			
Task 2.D.6	weeks until substantial completion.	0	\$	- 0	\$	-	0 5	5	. 18	8 \$	1,980	0	\$	-	0	\$	-	0	\$	- \$	1,980
	Commissioning of facilities. No formal																				
	commissioning is planned for the																				
	sanitary lift station. Startup costs for																				
	electrical inspection and EOR visit are																				
Task 2.D.7	included in the existing scope of	0	\$	,	\$		0 9		Ι.	0 \$		0	\$		_	\$			\$	- \$	
145K Z.D.1	Services During Construction Issuing Punch Lists. Assume 4-hour walk-	U	Φ		Ą	-	0 3	•	· <u> </u>	υφ		U	Ф		U	Ф		U	a ·	- ф	
	ů .																				
	through. RPR services to check punch																				
Task 2.D.8	list items are included in existing scope of Services During Construction.	0.5	\$ 87	7 4	\$ 62	28	4 5	648		4 \$	440	0	\$	_	n	\$	_	0	\$	- \$	1,803
	or Services During Construction.		\$		\$	-	0 3			6 \$	3,960		\$			\$	_		\$	- \$	26,539
	Expenses (WP42H.2)	U	Ψ		Ψ	-	0 0		- 3	υψ	0,000		Ψ		0	Ψ			<u> </u>	\$	250
<u> </u>	Grand Totals			_					_	-		_	_		_	_				\$	26,789

# FM Metro Risk Management Project HMG Task Order No. 17 - Services During Construction

		HMG Task Order No. 17 - Services During Construction  Personnel Costs  Senior Project Professional Graduate Senior																						
			or Projec anager	t	Proje	ct Mar	nager		fess ngin			iradu ingin		2	M Cre	w	GIS 1	echnic	ian III	Adr		or trative		
Task		Hours			Hours			Hours			Hours		Cost	Hours		Cost	Hours		ost	Hours	6 (	Cost		Cost Per Task
WP42I - Mickelson Levee	Extension - Services During Construction	(Assun	ne a 4 mo	nth c	constr	uction	timelir	1e). E	stima	ate is for	addit	ional	service	s due to	o revis	sed SD0	c roles.	•						
	Provide Quality Assurance Managers and/or Project Engineers to perform general field observation and manage the specific inspections agents as needed. This includes a) Validate results of tests and inspections, oversee retesting or other actions needed to reconcile deficiencies. b) Maintain a log for each type of test conducted. c) Prepare Daily Reports and submit to Owner's Representative and City of Fargo. d) Prepare a weekly report for each project documenting the work performed by Contractor, Quality Assurance activities performed, and current issues and challenges.																							
Task 2.B.6 (New)		1	\$ 1	74	2	\$	314	16	\$	2,336	16	\$	1,760		\$	-		\$	-	8	\$	576	\$	5,160
	Lead development and scoping, and coordinate Contractor pricing of change Orders or other modifications that affect the design or function of the Project, and provide drafts to PMC for review and approval recommendation to Owner	1	\$	174	2	\$	314	12	\$	1,752	24	\$	2,640		\$	-		\$	-	8	\$ \$	576	\$	5,456
	Perform the following survey tasks in accordance with MFR-015, Survey Standards: a) Additional project control, if required; b) Benchmark checks during construction; c) Existing conditions surveys; d) Quantity surveys for Contractor's monthly payment application; e) As-built construction surveys.																							
Task 2.B.10 (New)		1	\$ 1	74	0	\$	-	4	\$	584	8	\$	880	16	\$	3,712	4	\$	492		\$	-	\$	5,842
	Maintain a set of full-scale contract drawings indicating as-built conditions. Assemble redline information from Contractor, Engineer's RPR, and other sources to maintain these drawings	0	\$	_	0	\$	_	8	\$	1,168	8	\$	880	0	) s	_	8	\$	984		\$	_	\$	3,032
	Prepare or review site visit reports for site visits by Engineer, USACE or their external peer review team, or other authorities																							·
Task 2.B.12 (New)	Be responsible for commissioning activities, including equipment testing,	1	\$ 1	74	4	\$	628	8	\$	1,168	8	\$	880		\$	-	0	\$	-	2	\$	144	\$	2,994
	demonstrations of capability and operability, and training of operating staff.	1	\$ 1	74	2	\$	314	8	\$	1,168	4	\$	440		\$	-	0	\$	-	4	\$	288	\$	2,384
	Identify issues on a punch list for the Contractor to resolve. Upon completion of punch list items, coordinate a final							_		4 400	_		200						0.45	_		44.		
Task 2.B.15 (New)	inspection. Document each inspection.  Expenses	1	\$ 1	74	0	\$	-	8	\$	1,168	8	\$	880		\$	-	2	\$	246	2	\$	144	\$	2,612 500
	Total	-	\$ 1,0	)44	10	•	1,570	6.4	\$	9,344	70	\$	8,360	16	\$	3,712	14		1,722	24	\$	1,728	7	27,980

Participate in regular and periodic meetings or teleconferences with contractors, the Owner's Representatives, Owner, and USACE - Assume 5 month (21 week) construction timeline and 2 hour per week (including prep.) for PM and Prof. Eng.  Task 2.C.2  Total  Geotechnical Support  Technical Support - SRF  Expenses (WP42F1N)	HMC		Н	MG 1						Serv	agem vices	Dur	ing	_	struc	tion									
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Auto-and Continue State Continue State	Task 2.B.5	Provide Quality Assurance Managers and/or	1	\$	174	12	\$	1,884	84	\$	12,264	840	\$	92,400		\$	-		\$		8	8 \$	576	\$	107,298
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Application   Company		, , , , , , , , , , , , , , , , , , ,																							
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Section of Control C		of Fargo. d) Prepare a weekly report for																							
Control   Cont		performed by Contractor, Quality Assurance																							
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Part 2.0.5		Review shop drawings, samples, and	1	Ф	1/4	20	Ф	ა,140	28	\$	4,088	40	\$	4,400	<del>                                     </del>	<b>\$</b>	-		Ф	-	1 4	<del>+</del>   \$	288	\$	12,090
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Control Cont	Task 2.B.8		2	\$	348	16	\$	2,512	32	\$	4,672	40	\$	4,400		\$	-		\$	-	4	4 \$	288	\$	12,220
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Page 1871   1982   19		, ,																							
Clear Place   Control Service (Control Service)   Control Service)		required; b) Benchmark checks during																							
Table 2.B. 10 Authors in a first fill Against contents  Ministers		d) Quantity surveys for Contractor's monthly																							
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Monitoring Plan specifying annual inspections required to verify satisfactory maintenance and performance of the flood risk management features.   2   5   348   4   5   628   16   5   2,336   8   5   880   5   -   5   -   4   5   288   5		the design drawings (WP42F1N) -	2	\$	348	8	\$	1,256	12	\$	1,752	16	\$	1,760		\$	-	8	\$	984	4	4 \$	288	\$	6,388
Maintenance and performance of the flood risk management features.   S		Monitoring Plan specifying annual																							
Task 2.B.18 risk management features																									
Task 2.B.19    Total   27   \$ 4.698   110   \$ 17,270   306   \$ 44,676   1106   \$ 121,660   24   \$ 5,568   22   \$ 2,706   56   \$ 4,032   \$	Task 2.B.18	risk management features.	2	\$	348	4	\$	628	16	\$	2,336	8	\$	880		\$	-		\$	-	4	4 \$	288	\$	4,480
Total																									
### WP42F1North - Project Management    Provide project management, including monthly status reports and invoicing to Owner on Engineer's task activity - Assume 5 month (21 week) construction timeline and 2 hour per month for PM and Prof.		Total				4 110									24		- 568	22		- 2,706					3,752 200,610
Provide project management, including monthly status reports and invoicing to Owner on Engineer's task activity - Assume 5 month (21 week) construction timeline and 2 hour per month for PM and Prof.  Eng.	WD49F4N cutton	- Innocessaria								Ĺ	,	33		,		<u> </u>						Ė	,	Ė	
Monthly status reports and invoicing to Owner on Engineer's task activity - Assume 5 month (21 week) construction timeline and 2 hour per month for PM and Prof.   Eng.	vvP42F1North - Project M			ı			ı											ı							
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		Technical Support - SRF																						\$	2,500
Grand Totals 27 110 358 1158 24 22 56 \$		Expenses (WP42F1N) Grand Totals	27			110			358			1158			24			22			56	6			1,500 227,922



#### METRO FLOOD DIVERSION PROJECT

Meeting Date: 6/17/2016

## **Technical Advisory Group Recommendation**

**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):

Budget
Description Estimate (\$)

WP-42F.1S: Industrial Builders Inc.

Change Order #8 257,901.37

WP-42F.1S, 2nd Street North (South of Pump Station) – Differing Subsurface Condition, floating castings

#### **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 4 <sup>th</sup> 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.
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

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Change Order No. 8	257,901.37	16,632,552.95	16,890,454.32	08-Oct-15		Differing Subsurface Conditions, floating castings

#### **DISCUSSION**

- 1. Change Order No. 8 adds an additional scope element to total an increase of \$257,901.37 to the Contract Price. The Change Order consists of the following items:
  - a. **Differing Subsurface Conditions** While digging on-site the Contractor has encountered numerous differing subsurface conditions associated with debris and materials previously buried on-site. The Contractor cannot use soil containing large amounts of debris, so it must be removed, hauled and disposed. It was known during bidding that large amounts of buried material existed on the site, but quantification of that material was not possible prior to work start. The Owner's Representative and City of Fargo Project Manager agreed to bill this work on a Time and Materials basis to facilitate timely decisions and prevent standby time. The Owner's Representative reviewed Time and Materials rates prior to acceptance. This change item includes all costs from project start through May 28<sup>th</sup>, 2016. The total cost for this change item is \$139,428.30. This cost includes controlled density fill (CDF) which was used to fill unsuitable soils beneath the floodwall footing. The Owner's Representative has reviewed this change and finds it acceptable. Additional costs are expected as other portions of the project site are excavated. The costs are broken down into the following categories:
    - i. Floodwall Footing Differing Subsurface Condition the Contractor encountered poor/unsuitable soils beneath the floodwall footing.
    - ii. Road/Utility Differing Subsurface Condition the Contractor encountered poor/unsuitable soils beneath the proposed road/utility.
    - iii. Replacement of unsuitable soil beneath the floodwall the Contractor replaced unsuitable material beneath the floodwall footing with controlled density fill (CDF) as directed by HMG and Terracon (Owner's Rep testing firm).
  - b. **Import Clay Fill** To date, the Contractor has not yet had to import clay to replace the volume of unsuitable material mentioned above. However, it is possible they will need to do so if suitable clay from other areas of the site is used up. Therefore, the project team recommends increasing the quantity of existing bid item 105, *Fill Import (Roadway)* to cover any potential shortfalls. The Engineer and Owner's Representative estimate that an increase of 6,000 CY should be sufficient, which results in \$90,000 added to the Contract Price. The Contractor confirmed they will import clay as required at the contracted unit rate of \$15/CY. The Change Order will also clarify that this bid item will be used when fill is required in areas other than roadways, if needed.
  - c. Floating Castings When manhole structures began to arrive on-site the project team discovered the structures did not include floating castings. Such castings are required in all structures located in concrete paved areas and are required by City of Fargo standard specifications. However, the Owner's Representative and City of Fargo Project Manager agree that the bid documents were somewhat unclear and it is reasonable that the Contractor did not include all necessary costs in their bid. The Owner's Representative and City of Fargo Project Manager negotiated these costs with the Contractor and agreed on a compromise that will cover the Contractor's direct costs but

not pay their markups and profit. This compromise totals an increase of \$28,473.07 to the Contract Price. CH2M, HMG, and the City of Fargo Project Manager have reviewed the supporting documentation for this increase and find it acceptable.

### ATTACHMENT(S):

- 1. Change Order No. 8
- 2. Contractor's Change Proposal Dated 5/13/2016 (CDF, IBI Disposal, Reiner Disposal)
- 3. Contractor's Change Proposal Dated 6/14/2016 (Floating Castings)

### Submitted by:

Shu W. Llater	June 17, 2016
John Glatzmaier, P.F.	Date
CH2M	
Project Manager Metro Flood Diversion Project	
Keith Berndt, Cass County Administrator	April Walker, Fargo City Engineer
Concur: June 21, 2016 Non-Concur:	Concur: June 21, 2016 Non-Concur
Mark Pitters France Discrete and Francisco and	Land Daniel Cons County Fundament
Mark Bittner, Fargo Director of Engineering	Jason Benson, Cass County Engineer
Concur: June 20, 2016 Non-Concur:	Concur: Non-Concur
David Overha, Clay County Engineer	Debart 7immermen Mearhand City Engineer
David Overbo, Clay County Engineer  Concur: June 17, 2016 Non-Concur:	Robert Zimmerman, Moorhead City Engineer Concur: June 17, 2016 Non-Concur
Concur: June 17, 2016 Non-Concur:	Concur: June 17, 2016 Non-Concur
Nathan Boerboom, Diversion Authority Project Manager	
Concur: June 17, 2016 Non-Concur:	





		Change Order No.	08
Date of Issuance:	6/23/2016	Effective Date:	6/23/2016
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-N	Moorhead Area Diversion Contra	•	Street North, South of

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

#### **Description:**

#### DIFFERING SUBSURFACE CONDITION

a. Increase contract price to accommodate labor, equipment, material and disposal rates associated with differing subsurface conditions during excavation by adding bid item 0233 Differing Subsurface Condition as shown in the attached Change Order 8 Unit Price Schedule Dated 6/23/2016. This change accommodates all costs related to subsurface conditions from project start through May 28<sup>th</sup>, 2016. There is no schedule change associated with this change item.

#### 2. IMPORT CLAY FILL

a. Increase quantity for bid item 105, Fill – Import (Roadway) by 6,000 cubic yards to accommodate the potential need to import clay fill material to make up for unsuitable material removed from the site. This bid item and quantity may also be used to provide fill for other areas besides roadways, as approved by the Engineer of Record. The increased quantity results in an adjustment of \$90,000 added to the Contract Price as shown in the attached Change Order 8 Unit Price Schedule dated 6/23/16.

#### 3. FLOATING MANHOLE CASTINGS

a. Increase contract price to accommodate labor, equipment, to cover costs of incorporating floating manhole casting on all relevant manholes as displayed in the attached documentation. Increase Contract Price by adding bid item 0234, Floating Manhole Castings as shown in the attached Change Order 8 Unit Price Schedule dated 6/23/2016. There is no schedule change associated with this change item.

#### Attachments:

Change Order 08 Unit Price Schedule Dated 6/23/2016

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES [note changes in Milestones if applicable]
Original Contract Price:	Original Contract Times:
	Interim Milestone A: November 30, 2015
	Substantial Completion: October 1, 2016
16,184,905.85	Ready for Final Payment: June 15, 2017



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[Increas	se] [ <del>Decrease</del> ] from previou	usly appro	ved	[Increase] [ <del>Decre</del>	<del>:ase</del> ] from	previously approved
Change	Orders No. <u>01</u> thru <u>07</u> :			Change Orders N	o. <u>01</u> :	
				Interim Mileston	e A: <u>30 da</u>	<u>ıys</u>
				Substantial Comp	oletion: <u>30</u>	<u>) days</u>
		447,6	47.10	Ready for Final P	ayment: <u>3</u>	<u>80 days</u>
Contrac	ct Price prior to this Change	Order:		Contract Times p	rior to this	S Change Order:
				Interim Mileston	e A: <u>Dece</u>	mber 30, 2015
				Substantial Comp	oletion: <u>N</u>	ovember 24, 2016
		16,632,5	52.95	Ready for Final P	ayment: <u>J</u>	uly 25, 2017
[Increas	se] [ <del>Decrease</del> ] of this Chang	ge Order:		[Increase] [Decre	ase] of th	s Change Order:
-					-	· ·
		\$257,9	01.37			
Contrac	ct Price incorporating this C	hange Ord	der:	Contract Times v	vith all app	proved Change Orders:
				Interim Mileston	e A: <u>Dece</u>	mber 30, 2015
				Substantial Comp	oletion: <u>N</u>	ovember 24, 2016
		16,890,4	54.32	Ready for Final P	ayment: <u>J</u>	uly 25, 2017
	RECOMMENDED:		ACC	EPTED:		ACCEPTED:
By:		By:			By:	
	Owner's Representative	_		Owner		Contractor
	(Authorized Signature)		,	Authorized Signature)		(Authorized Signature)
Name:	Tyler Smith, P.E.	_ Name:	Darre	II Vanyo	Name:	David Goulet
Title:	Construction Manager	Title:	Chair	man	Title:	Project Manager
Date:		_ Date:			Date:	



#### WP-42F.1S 2nd Street/Downtown Area - In-Town Levees

Change Order 8 Unit Price Schedule

DATE: 6/23/2016



			WP-	42F.1S - 2nd Str	eet/Downtown	Area - In-Tow	n Levees				
ITEM	DESCRIPTION	UNIT	Current B	udget (Through Cha	inge Order 07)		Net Change			New Budget	
IIEIVI	DESCRIPTION	UNIT	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	12	5,800.00	\$ 69,600.00			\$ -	12	5,800.00	\$ 69,600.00
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
8000	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			\$ -	3	25,500.00	\$ 76,500.00
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	42	120.00	\$ 5,040.00			\$ -	42	120.00	\$ 5,040.00
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	157	180.00	\$ 28,260.00			\$ -	157	180.00	\$ 28,260.00
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	82	261.00	\$ 21,402.00			\$ -	82	261.00	\$ 21,402.00
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 B	udget (Through Cha	ange Order 07)		Net Change				New Budget	
IILIVI	DESCRIPTION	ONII	QUANTITY	UNIT PRICE	AMOUNT	QUANITY	UNIT PRICE	AMO	JNT	QUANITY	UNIT PRICE	AMOUNT
0022	F&I Sanitary Pipe w/GB SDR 35 - 12" Dia PVC	LF	49	300.00	\$ 14,700.0	0		\$	-	49	300.00	\$ 14,700.00
0023	F&I Sanitary Pipe w/GB SDR 26 - 15" Dia PVC	LF	95	290.00	\$ 27,550.0	0		\$	-	95	290.00	\$ 27,550.00
0024	F&I Sanitary Pipe w/GB SDR 35 - 15" Dia PVC	LF	6	415.00	\$ 2,490.0	0		\$	-	6	415.00	\$ 2,490.00
0025	F&I Sanitary Pipe w/GB SDR 26 - 18" Dia PVC	LF	529	420.00	\$ 222,180.0	0		\$	-	529	420.00	\$ 222,180.00
0026	F&I Sanitary Pipe w/GB SDR 26 - 36" Dia PVC	LF	30	810.00	\$ 24,300.0	0		\$	-	30	810.00	\$ 24,300.00
0027	F&I DI Fittings-Sanitary Force Main	LB	11965	7.00	\$ 83,755.0	0		\$	-	11965	7.00	\$ 83,755.00
0028	F&I Sanitary Valve 8" Dia-Plug Valve	EA	1	4,300.00	\$ 4,300.0	0		\$	-	1	4,300.00	\$ 4,300.00
0029	F&I Sanitary Valve 16" Dia-Plug Valve	EA	1	9,000.00	\$ 9,000.0	0		\$	-	1	9,000.00	\$ 9,000.00
0030	F&I Sanitary Valve 24" Dia-Plug Valve	EA	1	27,000.00	\$ 27,000.0	0		\$	-	1	27,000.00	\$ 27,000.00
0031	F&I Sanitary Valve 30" Dia-Plug Valve	EA	1	41,000.00	\$ 41,000.0	0		\$	-	1	41,000.00	\$ 41,000.00
0032	F&I Pipe w/GB Class 53-8" Dia DIP (Protecto 401)	LF	10	355.00	\$ 3,550.0	0		\$	-	10	355.00	\$ 3,550.00
0033	F&I Sanitary Pipe w/GB DR 25 - 16" Dia PVC	LF	310	330.00	\$ 102,300.0	0		\$	-	310	330.00	\$ 102,300.00
0034	F&I Sanitary Pipe w/GB DR 25 - 24" Dia PVC	LF	125	500.00	\$ 62,500.0	0		\$	-	125	500.00	\$ 62,500.00
0035	F&I Sanitary Pipe w/GB DR 25 - 30" Dia PVC	LF	795	400.00	\$ 318,000.0	0		\$	-	795	400.00	\$ 318,000.00
0036	Remove Sanitary Pipe All Sizes All Types	LF	2249	\$ 15.00	\$ 33,735.0	0		\$	-	2249	\$ 15.00	\$ 33,735.00
0037	Plug Sanitary Pipe 10" Diameter	EA	3	\$ 1,150.00	\$ 3,450.0	0		\$	-	3	\$ 1,150.00	\$ 3,450.00
0038	Plug Sanitary Pipe 12" Diameter	EA	6	\$ 1,270.00	\$ 7,620.0	0		\$	-	6	\$ 1,270.00	\$ 7,620.00
0039	Plug Sanitary Pipe 16" Diameter	EA	1	\$ 1,465.00	\$ 1,465.0	0		\$	-	1	\$ 1,465.00	\$ 1,465.00
0040	Plug Sanitary Pipe 18" Diameter	EA	3	\$ 1,660.00	\$ 4,980.0	0		\$	-	3	\$ 1,660.00	\$ 4,980.00
0041	Abandon Sanitary Manhole	EA	1	\$ 2,000.00	\$ 2,000.0	0		\$	-	1	\$ 2,000.00	\$ 2,000.00
0042	F&I Emergency Overflow Manhole Equipment	LS	1	\$ 15,200.00	\$ 15,200.0	0		\$	-	1	\$ 15,200.00	\$ 15,200.00
0043	F&I 5" Hydrant	EA	5	\$ 4,600.00	\$ 23,000.0	0		\$	-	5	\$ 4,600.00	\$ 23,000.00
0044	Remove Hydrant	EA	4	\$ 1,000.00	\$ 4,000.0	0		\$	-	4	\$ 1,000.00	\$ 4,000.00
0045	F&I Insulation 4" Thick	SY	10	\$ 72.00	\$ 720.0	0		\$	-	10	\$ 72.00	\$ 720.00



	WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees														
ITEM	DESCRIPTION	UNIT	Current B	udget	(Through Cha	ange (	Order 07)		Net Change					New Budget	
IILIVI	DESCRIPTION	ONII	QUANTITY	U	INIT PRICE		AMOUNT	QUANITY	UNIT PRICE	- 1	AMOUNT	QUANITY	l	JNIT PRICE	AMOUNT
0046	Connect Water Service	EA	2	\$	900.00	\$	1,800.00			\$	-	2	\$	900.00	\$ 1,800.00
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	95	\$	55.00	\$	5,225.00			\$	=	95	\$	55.00	\$ 5,225.00
0049	F&I Watermain Pipe C900 DR 18 - 8" Dia PVC	LF	193	\$	44.00	\$	8,492.00			\$	=	193	\$	44.00	\$ 8,492.00
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	10	\$	1,750.00	\$	17,500.00			\$	-	10	\$	1,750.00	\$ 17,500.00
0054	F&I Gate Valve 8" Dia	EA	1	\$	2,370.00	\$	2,370.00			\$	-	1	\$	2,370.00	\$ 2,370.00
0055	F&I Watermain Pipe 1" Dia Copper	LF	39	\$	75.00	\$	2,925.00			\$	-	39	\$	75.00	\$ 2,925.00
0056	F&I Watermain Pipe w/GB 1" Dia Copper	LF	84	\$	180.00	\$	15,120.00			\$	-	84	\$	180.00	\$ 15,120.00
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	6550	\$	8.51	\$	55,740.50			\$	-	6550	\$	8.51	\$ 55,740.50
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.1	S - 2nd Str	reet/	Downtown A	Area - In-Tow	n Levees						
ITEM	DESCRIPTION	UNIT	Current B	Budget (	(Through Cha	ange C	order 07)		Net Change					New Budget	
ITEIVI	DESCRIPTION	UNIT	QUANTITY	UN	NIT PRICE		AMOUNT	QUANITY	UNIT PRICE	AM	OUNT	QUANITY	ı	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 B	udget (1	Through Cha	ange	Order 07)		Net Change				ı	New Budget	
IILIVI	DESCRIPTION	ONII	QUANTITY	UN	IIT PRICE		AMOUNT	QUANITY	UNIT PRICE		AMOUNT	QUANITY	U	NIT 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	123	\$	190.00	\$	23,370.00			\$	-	123	\$	190.00	\$ 23,370.00
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	424	\$	204.00	\$	86,496.00			\$	-	424	\$	204.00	\$ 86,496.00
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	3910	\$	15.00	\$	58,650.00	6000	\$ -	\$	90,000.00	9910	\$	15.00	\$ 148,650.00
0106	Subgrade Preparation	SY	12740	\$	0.70	\$	8,918.00			\$	-	12740	\$	0.70	\$ 8,918.00
0107	F&I Woven Geotextile	SY	12740	\$	2.00	\$	25,480.00			\$	-	12740	\$	2.00	\$ 25,480.00
0108	F&I Class 5 Agg - 6" Thick	SY	2521	\$	10.00	\$	25,210.00			\$	-	2521	\$	10.00	\$ 25,210.00
0109	F&I Class 5 Agg - 8" Thick	SY	1593	\$	11.00	\$	17,523.00			\$	-	1593	\$	11.00	\$ 17,523.00
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	3571	\$	11.00	\$	39,281.00			\$	-	3571	\$	11.00	\$ 39,281.00
0112	F&I Curb & Gutter Standard (Type II)	LF	3888	\$	36.00	\$	139,968.00			\$	-	3888	\$	36.00	\$ 139,968.00
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	1386	\$	83.00	\$	115,038.00			\$	=	1386	\$	83.00	\$ 115,038.00
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 B	udget (Thro	ugh Cha	nge Order 07)		Net Change					New Budget	
115.00	BESCHI HON	ONIT	QUANTITY	UNIT P	RICE	AMOUNT	QUANITY	UNIT PRICE	AM	OUNT	QUANITY	U	INIT PRICE	AMOUNT
0118	F&I Asphalt Cement PG 58-34	GAL	8296	\$	3.00	\$ 24,888.00			\$	-	8296	\$	3.00	\$ 24,888.00
0119	F&I Median Nose - Conc	SY	23	\$ :	112.00	\$ 2,576.00			\$	-	23	\$	112.00	\$ 2,576.00
0120	F&I Sidewalk 4" Thick Reinf Conc	SY	3260	\$	73.00	\$ 237,980.00			\$	-	3260	\$	73.00	\$ 237,980.00
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	\$ 3,5	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	316	\$	62.00	\$ 19,592.00			\$	-	316	\$	62.00	\$ 19,592.00
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	\$ 175,0	00.00	\$ 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 B	udget (Through Ch	ange Order 07)		Net Change			New Budget			
IILIVI	DESCRIPTION	Oluli	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 B	Budget (	(Through Cha	nge (	Order 07)		Net Change					New Budget	
ITEIVI	DESCRIPTION	UNII	QUANTITY	UN	NIT PRICE		AMOUNT	QUANITY	UNIT PRICE		AMOUNT	QUANITY	l	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 B	Budget (	Through Cha	nge (	Order 07)		Net Change					New Budget	
IILIVI		ONIT	QUANTITY	UN	NIT PRICE		AMOUNT	QUANITY	UNIT PRICE	AM	OUNT	QUANITY	l	JNIT 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	2690	\$	2.00	\$	5,380.00			\$	-	2690	\$	2.00	\$ 5,380.00
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	19700	\$	0.42	\$	8,274.00			\$	-	19700	\$	0.42	\$ 8,274.00
0202	Seeding Type B	SY	19700	\$	0.42	\$	8,274.00			\$	-	19700	\$	0.42	\$ 8,274.00
0203	Overseeding	SY	19700	\$	0.11	\$	2,167.00			\$	-	19700	\$	0.11	\$ 2,167.00
0204	Weed Control Type B	SY	19700	\$	0.07	\$	1,379.00			\$	-	19700	\$	0.07	\$ 1,379.00
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 B	udget (T	hrough Cha	nge	Order 07)			Net Change					New Budget	
			QUANTITY	UNI	IT PRICE		AMOUNT	QUANITY		UNIT PRICE		AMOUNT	QUANITY		UNIT PRICE	AMOUNT
0214	Incentive	LS	1	\$ 1	150,000.00	\$	150,000.00				\$	-	1	\$	150,000.00	\$ 150,000.00
0215	Small Utility Work-Around	LS	1	\$ 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	\$	139,428.30	\$	139,428.30	1	\$	139,428.30	\$ 139,428.30
0234	Floating Manhole Castings	LS						1	\$	28,473.07	\$	28,473.07	1	\$	28,473.07	\$ 28,473.07
	WP-42F.1S - TOTAL AMOUNT CURRENT BUDGET				iet	\$	16,632,552.95	NET (	CHAN	NGE	\$	257,901.37	NEW	BUD	GET	\$ 16,890,454.32



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Your Logo Here

## **CHANGE ORDER REQUEST**

Industrial Builders, Inc. 15274- - 2nd Street Floodwall and Road Relocation **DATE:** 5/13/2016 **PCO#:** 10

**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: David Goulet

Industrial Builders, Inc.

PO Box 406

Fargo, ND 58107-0406

**Phone:** 701-356-9827

Fax:

Email: dgoulet@industrialbuilders.com

Below is the detail for our proposal to complete the following changes in contract work:

- PCO: CDF and Unsuitable Material through May 28th, 2016
  - Item 1) Change order for added CDF under the floodwall footings as directed by Terracon.
  - Item 2) Change order for IBI removing unsuitable material from floodwall excavation.
  - Item 3) Change order for Reiner removing unsuitable material from excavation.
  - Item 4) Additional cost for removal of SS lift station.

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : CDF under Floodwall Footings	Initiated		1.000	LS	3012.68	3,012.68
2 : IBI - Unsuitable Material Removal- April/May	Initiated		1.000	LS	69921.29	69,921.29
3 : Reiner -Unsuitable Material: April/May	Initiated		1.000	LS	66494.33	66,494.33
4 : Reiner - SS Lift Station Removal	Initiated		1.000	LS	18951.78	18,951.78

Submitted By:		Approved By:	
	6/09/2016		
David Goulet	Date	Tyler Smith CH2M Hill Engineer's Inc	Date

# CONSTRUCTION WORK ORDER Industrial Builders, Inc.

JOB NO. 15274	CONTRACT NO.	DATE 4/13/16
DESCRIPTION OF WORK	excuption of to	oty # 2 . concel
. Over eyes	ation tell + form	Gel, CDF

	CLASSIFICATION	HOURS WORKED		BILLING	DATE	AMOUNT
LABOR		S.T.	1½ OT	HOURS	RATE	AMOUNT
Shelf N.	DLD:	3	24/.6	126	139	385,80
Lan G.	FIRE	3	2.4/6	76.20	94.40	239,52
DAN MCK	CAR	3	2.4/.6	69.50	87,15	219.09
CHRIS A.	LAB	3	2.4/6	55,95	70.55	176.61
PETE R						
Tom R	OPERMIS	3	2.4/6	96.65	111.19	284.22
		.,				
		l pt			(	1305.24
MATERIAL CHARGES		TOTAL INV COST		15% MARKUP		AMOUNT
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						1
EQUIPMENT, RENTAL & MISCELLANEOUS		HOURS WORKED		RATE		AMOUNT
		REG.	STD BY	REG	STD BY	
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6-70		3		54		162-
		ž .				
						(549)
						10.00.00

**APPROVED** 

TOTAL (1968.59



### **AGGREGATE**

**INDUSTRIES** 

PO Box 1036 • Moorhead, MN 56561 Phone 218-236-9640

792314

**Draft Print** 

06/17/2016 12:13:34 PM

INSPECTOR SIGNATURE PRODUCER SIGNATURE FARSO WET PLANT 4810

	34					skin irritation.				
PLANT TIME	DATI	N PIV	ACCOUNT	11-11/11	LOAD	S	TRUCK	DRIVI	ER	TICKET
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WATER ADDE			R'S REQUEST_		14.7	gallor	าร	TAX		
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Load Size			Return	e o	Piz À	Mix 6	10		oad ID 6582	
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CONCRETE	TEMP.		SLUMP				WATER	ADDED 6	JOBSIT	gl E
			TIME							m l

06/17/2016 12:13:34 PM

## CONSTRUCTION WORK ORDER Andustrial Builders, Inc.

JOB NO. 15274  DESCRIPTION OF WORK CL	CONTRACT NO	DATE 4/21/16
	<i>y</i>	

HOURS WORKED   BILLING   RATE   AMOUNT								
Scott   Sul	LABOR	CLASSIFICATION			BILLING HOURS	RATE	AMOUNT	
12   3   76   22   94   40   119.76     12   3   69.50   87.15   109.55     10   10   284.22     10   10   284.22     10   10   284.22     10   10   284.22     10   10   284.22     10   10   284.22     10   10   284.22     10   10   284.22     10   10   284.22     10   10   10     10   10   284.22     10   10   10     10   10   10     10   10	SCOTT N	8UP		1.2	126 Pec	139 OT		
1.2   3   69   50   87   15   109   55	RAY 6	FUEB		1,2	7620	94,40	119.76	
TOM R	DAN MCK	CARD	1,5	1.2/3	69.50	87.15	109.55	
MATERIAL CHARGES  TOTAL INV COST  15% MARKUP  AMOUNT  92	70m R	OPERATOR		-	90.65	111.10	284.22	
MATERIAL CHARGES  TOTAL INV COST 15% MARKUP  AMOUNT  5	CAMERON	LAS	1,5	1.2/.3	55,95	70,55	88.31	
MATERIAL CHARGES  TOTAL INV COST 15% MARKUP  AMOUNT  5		(ra						
## PROVED    10   10   10   10   10   10   10   1	- 201						\$ 794,74	
## PROVED    10   10   10   10   10   10   10   1				1				
HOURS WORKED RATE REG. STD BY REG STD BY  **SUBSTREET**  **AMOUNT**  **AMOUNT*	MATERIAL CHA		100	VV COST	15% MA	ARKUP		L
REG. STD BY REG STD BY AMOUNT  REG. STD BY REG STD BY STD	5 cy Cl	F 2	92,50 X	1.075 >	K1.15%		114.35	/
REG. STD BY REG STD BY AMOUNT  REG. STD BY REG STD BY STD	( )		9					
REG. STD BY REG STD BY AMOUNT  REG. STD BY REG STD BY STD	8							
REG. STD BY REG STD BY AMOUNT  REG. STD BY REG STD BY STD	1	Mary III						
REG. STD BY REG STD BY  1.5 36 54	FOURMENT RENTAL & M	ISCÉLI ANEOLIS		WORKED		ΤE	AMOUNT	
1,5	Egon WENT, KENTAL & M	IOOELEAINEOOO	REG.	STD BY	REG	STD BY		
APPROVED / TOTAL OHU, of	Pals exc		115		36			
APPROVED / TOTAL OHY. 69	4-70		1,5		34554		SA 81	T
APPROVED / TOTAL OHY. 69		-						
APPROVED , TOTAL JOHY, 69							(135)	
APPROVED , TOTAL 1044, 69								
APPROVED , TOTAL 1044, 69								
APPROVED , TOTAL 1044, 69								
APPROVED , TOTAL 1044, 69								
APPROVED , TOTAL 1044, 69		8		1				
APPROVED , TOTAL 1044, 69								
	APPROVED ,			J	1	TOTAL	1044,09	

60

## AGGREGATE INDUSTRIES

PO Box 1036 • Moorhead, MN 56561

792643

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Phone 218-236-9640 CAUTION: Contact with wet concrete

							.4.									
PLANT	TIME	DATE	XFX	ACCOU	NT	TUTLEY	LOA	DS		TRL	JCK	n a special	DRIVE	3	TICKE	r
Bin		84 014	7.200 / 20h	16 4010	A.	الحار		1			1904		NEF	RAT. R	0593	47959
EMDLIS	a: €RTGAL.	BUIL	DERS,						ERY ADDRE	7.00 T.C	21410	ST N	niel P	ARBO -		
							V			- 4						
PURCHASE			JOB NO.	-1, WI,2	TAX		REDIT			1111			اع ندا ديرس			UMP ØrØr 1 m
LOAD QTY.		ODUCT	DESCR	RIPTION	· Sant Section of	-160		VC.	7	ORDER	.ED	DELIVER	ED	UNIT PRICE		OUNT
ES TOWN		i oon	And the Part of th	BOLFON	PETE	T		A KILL	1000		5.00	57	00			
5.00 905451 HOT WATER 2																
LEAVE PLA	NT	ARRIVE JO	OB SITE	START DISCH	HARGE	FINISH	DISCHA	RGE	ARRIVE P	LANT		- m	CHG.			
WATER A	ADDED BY	DRIVER				1			gallo	ons		DIS.				
				R'S REQUES					gallo			TAX				
WATER	ADDED ON	1 JOB AT	COSTONIE	TOTILGOL		THE ST	4 1	Y	gand	3113		тот	AL			
												PRE	VIOUS	TOTAL	1	
RECEIVED	RV											GR	AND	TOTAL		
LIL SHIVE C	1	1011		NOTE: I	DISCLAIM	ER ON	BACK	4 8			1					
Truck		Driv	217	User		Disp	Tic	le et b	Hum	Ti	Het	(1.1)	Time	Date	3	
1904		5363		U.2 61"		5934					596			34 4/20	3/16	
Load :		Mix (		Rebi	urned	(3)	±Ψ.		Mix	Age.		ged		oad ID 3917		
	t Source		NCFac	AbsFac	09		ABS	• 55D	Free Ms	at CYDS		□ Target	X	Actual	F	ree Hat
CEMHOSTG FACOAL	STGBLE	0			334	lo lb		334			334 111	1679	lb lb	1680 705	) (m2)	
PROCK52	MN 103	081		0.014	361	15	3	361	3.9	pro .	365	1825	ib	1800		20 lb 7 lb
1RDCK58 SAND21	MN 103	001 074	0.013 M 0.041 M	0.009	1472	16		1472	47.1	6	1519	7598	16	7520	30	233 lb
MEST A	AEJJURS	11 17 H			3.00	10 /C		00			13.35	66.75	0 02	66.00	100 10	(B) (0 1 D)
HOTCITY	HOT CI	IZ TY N		0,012	50.0	AC K		00			1.78 96.0	8. 94 479. 9	oz 1 lb	468.0	- 46	8.0 lb
Actual	Num Bato	hes: i	sinn W/C:	0.506 Hat	er/Coment:	. 0.43	9 A	Desin	n Water:	1125.0	16	Total Wa	ater: :	1048.0 15	To Add:	77.0 lb
Slump: 4	.00 in	# Wate	r in Truck	0.506 Hat : 0.0 gl	Adjust	Water:	0.0	gl	/ Load 7	Trim Wa	ater:	-0.5 gl	I / C	/DS		
	10.0															
75 31 F3 - 654	77K 1 2717 2 1 1 1		1	0.11	DERTIF	ICAT	E OF	00	MPLIA	NCE	TES	oppe	7) 19	CH. ZMCT		- Serven
HIR C	ENALE: M	-		AI)	ry I to Tiller		Pages   a   do. m. and do.	on the	- 114   111 - 1   1   -14   1   11 - 14	WI	-1 1 12. IY	- Lirving	17. 15	man and	4   1+4+   4   5      =    +0	ij.
CONTOR	ETE TE	EMP.	paragia la jaja para la en en el del estamo del el	Surveyor State	TIMD	of Mary and of	2		16 there at 1	Wi	ATER	ADDE	1) (g	TORST	14	~
CYLIN	DER NO	).	artenio con ne ne ne regione de la composición del la composición del composición de la composición de la composición del composición del composición de la composición de la composición del compos	TI	ME DIS	CHAR	GED	Mare to Built a		7"	TAL.	ACTU	AL I	JATER .	on 14 1992 (on 17 about 19 )	Ed th
ti.				RUCTURI												
INSPE	CTOR S	SI OKA	TURE	MOUS DRI	Per vision and the		ty who was		***************************************			> - (A11-00 - 0- 041	er a primary	auriemania yes no	L.J. IIII. et a	10 Tu 10
PRODU	CER S	IGMATI	JRE	o time to a fire to												- 1
THE PROPERTY.	LIET I	TIMEN IC	0.03310													

#### **Haul out Debris**

	Total					Tota	al
	Hours	Regular Hours			lours (20%)		
1 Project Manager	4.5	116	3.6	127.6	0.9	\$	532.44
4/8/16 Work Order							
1 Superintendent	1	126	0.8	139	0.2	\$	128.60
1 Foreman	2.5	76.2	2	94.4	0.5	\$	199.60
1 Crane Operator	2.5	90.65	2	111.1	0.5	\$	236.85
1 Operators	2.5	82.2	2	97.35	0.5	\$	213.08
A /12 /1C Marile Onder							
4/12/16 Work Order 1 Operators	10	82.2	8	97.35	າ	\$	852.30
1 Truck Driver	11	77.65	8.8	91.9	2.2		885.50
1 Huck briver	11	77.03	0.0	91.9	2.2	۲	883.30
4/13/16 Work Order							
1 Operators	10	82.2	8	97.35		\$	852.30
1 Truck Driver	9	77.65	7.2	91.9	1.8	\$	724.50
1 Truck Driver	9.5	77.65	7.6	91.9	1.9	\$	764.75
4/14/16 Work Order							
1 Superintendent		126	0	139	0	\$	-
1 Foreman		76.2	0	94.4	0	\$	-
1 Crane Operator		90.65	0	111.1	0	\$	-
1 Operators	10	82.2	8	97.35	2	\$	852.30
1 Operators	4	82.2	3.2	97.35	0.8	\$	340.92
1 Truck Driver	10.5	77.65	8.4	91.9	2.1	\$	845.25
1 Truck Driver	10	77.65	8	91.9	2	\$	805.00
4/26/16 Work Order	4	126	2.2	420	0.0	<b>,</b>	F4.4.40
1 Superintendent	4	126	3.2	139	0.8		514.40
1 Foreman	6.5	76.2 90.65	5.2	94.4 111.1	1.3		518.96
1 Crane Operator	5 6.5	90.65 69.5	4 5.2	87.15	1.3	\$ ¢	473.70 474.70
1 Carpenter 1 Operators	6.5	82.2	5.2	97.35	1.3		554.00
1 Operators	0.5	02.2	3.2	37.33	1.5	Ş	334.00
4/27/16 Work Order							
1 Superintendent	8	126	6.4	139	1.6	\$	1,028.80
1 Foreman	7.5	76.2	6	94.4	1.5		598.80
1 Operators	5	82.2	4	97.35		\$	426.15
1 Carpenter	5	69.5	4	87.15	1	\$	365.15
2 Labor	5.5	55.95	4.4	70.55	1.1	\$	647.57
1 Truck Driver	10.5	77.65	8.4	91.9	2.1	\$	845.25
4/28/16 Work Order							
1 Operators	10	82.2	8	97.35	2	\$	852.30
1 Operators	2	82.2	1.6	97.35	0.4		170.46
_ 565.33.5	-	32.2		37.33	0.4	~	1, 5. 10
4/29/16 Work Order							
1 Superintendent	1	126	0.8	139	0.2		128.60
2 Operators	3	82.2	2.4	97.35	0.6		511.38
1 Truck Driver	7	77.65	5.6	91.9	1.4	Ş	563.50
					Total:	\$	16,907.10



	IBI Equipment Rates							
Qty		Нои	ırly Rat	te	Hours			Total
1	200 Excavator	\$	80.	.00	4		\$	320.00
1	300 Excavator	\$	93.	.00	27		\$ \$	2,511.00
1	L-70 Loader	\$ \$	54.	.00	51.5		\$	2,781.00
1	Side Dump	\$	45.	.00	67.5		\$	3,037.50
					Total IBI E	quipment:	\$	8,329.50
	Misc Disposal	Qty		Units	Pi	rice	Total	
	Kens Sanitarion / Conduit		1	LS	\$	171.03	\$	171.03
						10%	\$	17.10
					Mis	c Disposal:	\$	188.13
	Debris Removal							
	Date	Load	S	Units		rice	Total	
	4/12/2016			9	\$	125.00	\$	1,125.00
	4/13/2016			14	\$	125.00	\$	1,750.00
	4/14/2016			18	\$	125.00	\$	2,250.00
	Reiner Loads			59	\$	125.00	\$	7,375.00
					Mate	erial Total:	\$	12,500.00
l					Total Chang	ge Order:	\$	37,924.73



#### CONSTRUCTION WORK ORDER

## Industrial Builders, Inc.

OB NO. 15274	CONTRACT N	0			DATE 4	18/16
ESCRIPTION OF WORK	EXCAU ATE	= 4	TOOTA	16/	cond	rete
/ STOCK PILE	=)			/		
Ċ						
		HOURS	WORKED	BILLING	DATE	AMOUNT
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	RATE	AMOUNT
Tom R	O PER	2.5				
DAN MX	OPER	2.5				
PAY G.	FORE	25				
SCOTT N.	8012					
			7			
MATERIAL CHA	RGES	TOTAL II	VV COST	15% M/	ARKUP	AMOUNT
		HOUDO	MODIVED	DA		
EQUIPMENT, RENTAL & M	ISCELLANEOUS	REG.	WORKED	REG		AMOUNT
300 HT		2.5	STD BY	RLG	STD BY	
1-70	ADER	25				
L-10 LO						
DDDOVED.					TOTAL	
PPROVED					TOTAL	
					1	
				(	277	
Authorized Represe	ntative			Superinte	endent	



#### CONSTRUCTION WORK ORDER

## Industrial Builders, Inc.

JOB NO. 15274	CONTRACT N	0			DATE	4/12/11
DESCRIPTION OF WORK	HAVE OUT	DE	BRISI	(00	col	
timber + B	rick 1B	1 4	APR			Į.
•			-((-)			
		HOURS	WORKED	BILLING		
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	RATE	AMOUNT
ATER.	10PERIVED	170				
MARK B.	- pur	11				
MATERIAL CHA	ARGES	TOTAL I	NV COST	15% M/	ARKUP	AMOUNT
EQUIPMENT, RENTAL & N	MISCELLANEOUS		WORKED	RA		AMOUNT
		REG.	STD BY	REG	STD BY	
1-10		10				
SIDEDIMP						
APPROVED					TOTAL	
				1	1	
				15	17	
Authorized Represe	entative	-		Superinte	endent	

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General Contractors

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IBI J Truc		1597	14 308	Date:	4-12	- 1 G	Customer	1307 County Rd 1		
								Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1	L							830	Navel	日まり
2	X							9:40	1.	10:15
3	X							10:45		10:15
4	X		15.75					12:30		1805

7 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

1 1 11/2		From	То	Total
Mark & Dersela	Billable Hrs	7800	6800	11
Driver Signature				
	Worked Hrs			ja .

**Customer Signature** 

**Total Loads** 





#### CONSTRUCTION WORK ORDER

## Industrial Builders, Inc.

JOB NO	CONTRACT N	0,			DATE_4/13/		
JOB NO	HAVE OUT	- De	BRIS	/ u	00 1	1 conc	
bruch				/		,	
`							
		HOURS	WORKED	BILLING			
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	RATE	AMOUNT	
MARK B	TRUCK.	7					
MATT P	TRUCK	7.5					
PETER	ofer	10					
	1000						
MATERIAL CH	HARGES	TOTAL II	VV COST	15% M/	ARKUP	AMOUNT	
EQUIPMENT, RENTAL &	MISCELLANEOUS		WORKED	RA		AMOUNT	
7.70		REG.	STD BY	REG	STD BY		
CAN E DU		10					
SIDE DUM	100	97					
SIDE DUI	VI 1-	43					
APPROVED					TOTAL		
				1			
			(	9			
Authorized Repres	entative			Superinte	endent		

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## Draft O6/17/2016 General Contractors

IBI Job #	15274	Date: 4-13-16		100
Truck #	2-87		Customer	181

aile		-307		44	Concrete	Debris	Pit Site	Time Loaded	Delivered To Site	Time Unloaded
*	Clay	Sand	Rock	Muck	Concrete	Denis	2 nd 54 N	9:19	EBI N. LOT	9:45
4	X				1		0 7.1	10:08		10:35
2	X							10:57		11:27
1	X					166		11.52		12:20
1	X							1:03		1:31
5	X							2:00		2:30
6	X								ISI	3:31
7					X			3:02	101	4:27
8		ب بن	1		X			3:58		5:30
9	X							4:53		3.50
10					4				-	
11										
12							-	-	10.5	
13		1-								
14								-		
15										
16										
17						1				-
18								1	_	-
19										
20						-				
21			1			-	-	-		
22		4								
23	1	-		-						
24		-								
25		ل	101		4			From	То	Total

22						
23					1	
24						
25	ــاـــــــــــــــــــــــــــــــــــ			From	То	Total
Ma	el B	(to	Billable Hrs			
Driver Signa	ature '		Worked Hrs	8 30	5.30	9
	N		-		Total Loads	9
Customer S	oignature					

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General Contractors

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IBI Job #	15274	Date: 4/-/3-1/	>_	
Truck #	2-88		Customer	
Trailer #	3-308	8	3.	

								Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1				R				7:05	NYard	7:35
2	V							8125	more	8:55
3	X							9:25		8:55
4	No.		-					10:00		10:50
5	X		U _ 1					11:10		11448
6	X					4		1:50		2125
7	1	V			X			8,50	Sald	2:25
8		18 - 1			X			3:45		4:20
9	X							4945	Nara	5:20
10										
11						1				
12										
13						5				
14										
15										
16										
17										
18										
19			1							
20			4 - 11							
21			4							
22						-				
23 24						-				0
25			2							

25					
mal boul	10 -		From	То	Jota)
Allen get Dan	1 VO	ENJABle Mrs	6031	2130	45
Driver Signature		2000	9-1		d
		Worked Hrs			

**Customer Signature** 

Total Loads

9

#### CONSTRUCTION WORK ORDER

Superintendent

## Industrial Builders, Inc.

OB NO. 15774	CONTRACT N	10			DATE	1/14/1
ESCRIPTION OF WORK	CONTRACT N	mis	conc	rele		1 '
					100	
						^
		HOURS	WORKED	BILLING	1	
LABOR	CLASSIFICATION	S.T.	HOURS WORKED S.T. 1½ OT		RATE	AMOUNT
Peter R	OPER	10				
MARK B	RUCK	10,5				
MATT	TRUCK	10.5				
	-					
MATERIAL CH	IARGES	TOTAL I	NV COST	15% M	ARKUP	AMOUNT
						*
_		HOURS WORKED RAT			TE	
EQUIPMENT, RENTAL &	MISCELLANEOUS	REG.	STD BY	REG	STD BY	AMOUNT
SIDEDUMP		10.5		100		
SIDE DU MAP L-70 payloader		10.5				
L-70 payloader		10				
					3	
PPROVED					TOTAL	

Authorized Representative

#### CONSTRUCTION WORK ORDER

Draft Print

### Industrial Builders, Inc.

JOB NO. 15274 -2000	CONTRACT N	0,			DATE 4	4-14-16
DESCRIPTION OF WORK $B$	reaking Concret	e Cu	lverts	in IB	I Yar	d
LABOR	CLASSIFICATION	HOURS	WORKED	BILLING	RATE	AMOUNT
		S.T.	1½ OT	HOURS	TOTIL	71100111
Shala Lundberg	Operator	4				
MATERIAL CH	ARGES	TOTAL	INV COST	15% MA	RKUP	AMOUNT
		HOURS	WORKED	RAT	E	
EQUIPMENT, RENTAL & I	MISCELLANEOUS	REG.	STD BY	REG STD BY		AMOUNT
Konatse PC22P E	x. With	4				
Konatsu PC228 E Breaker	20-49					
						V
PPROVED	,			id.	TOTAL	
			K	- I		
Authorized Represe	ntative		0	Superinter	ndent	

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IBI J	ob# /*	#-	99	Date:	4-14	-16	Customer			
	Trailer # 3 - 303									
								Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1	X							10/20	N Yard	
2	<b>/</b> ×							11:40		19:10
3	X							12:35		1210
4	X							1135		2:10
5	X				,			2:35		3:10
6	X							3:40		5.00
7										
8										
9										
10										
11										
12										
13									17	
14										

	From	То	Total
Billable Hrs	Migo	15300	7
Worked Hrs			
		Billable Hrs	Billable Hrs Dool 5300

**Customer Signature** 

**Total Loads** 



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### General Contractors

IBI Job #	15274	Date: 4/14/16	and and the second	
Truck #	2-97		Customer	
Trailer #	7-367			

#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Time Loaded	Delivered To Site	Time Unloaded
1							2 - S+ N	7:05	181 N. Lot	
2	X							8:03		8:35
3	× ×							8:58		9:27
4	X		7					9:56		10:20
5	X							10:42		11:17
6	x							11:46		12:17
7	×							12:45		1:18
8	X							2:02		2:32
9	X							3:10		3:42
10	X	1 35-						4:06		4:50
11										
12										
13										
14										
15										
16										
17			-							
18			1 = 1							
19					-					
20										
21			/							
22					-					
23 24										
25										

25				
41.10 pA		From	То	Total
Driver Signature	Billable Hrs			
Dilver Signature	Worked Hrs	6:30	5:00	10 1/2
Customer Signature			Total Loads	10

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**Customer Signature** 



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**Total Loads** 

Truc	k#	3-86				11	Customer			
Γrail	er#	3-	308							
			-0					Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1	X							700	NEarch	7:30
2	X							7:55		8 25
3								1		
4										
5										
6		-								
7				-						
8										
9										
10										
11										
12										
13	1 7									
14										
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N	r Signatu	DS4	ser	ow	u _	Bi	llable Hrs	6:30	1000	3



### Ken's Sanitation and Recycling, Inc.

PO BOX 2127 FARGO, ND 58107-2127 218-236-7940

Fax: 218-287-3859

Bill To:

INDUSTRIAL BUILDERS PO BOX 406 FARGO, ND 58107-0406

Billing Period: APRIL

INVOICE NO.	INVOICE BALANCE	AMOUNT PAID
190920	171.03	
ACCOUNT NO.	ACCT BALANCE	AMOUNT PAID
1673142	432.23	
PAYMENT	DUE DATE	UPON RECEIPT

INDUSTRIAL BUILDERS-DOWNTOWN
2ND ST N, RIVER

FARGO, ND 58102

<sup>\*\*</sup> Please remit to PO Box 2127, Fargo, ND 58107-2127

DATE	DESCRIPTION	REFERENCE/TICKET #	UNIT PRICE	QUANTITY	AMOUNT
04/13/16	ROLLOFF PULL		90.00	1.000	90.00
04/13/16	LANDFILL FEE 15-015 (Conduit)	976922	37.00	2.190	81.03

Billing Period: APRIL

SERVICE LOCATION 2ND ST N, RIVER

INVOICE TOTAL INV# 190920 171.03

PAYMENT DUE: UPON RECEIPT

 ACCOUNT NO
 CURRENT
 30 - DAYS
 60 - DAYS
 90 - DAYS
 120+ DAYS
 LATE CHARGE TOTAL BALANCE

 1673142
 171.03
 261.20
 0.00
 0.00
 0.00
 0.00
 432.23

<sup>\*\*</sup> PLEASE RETURN TOP PORTION WITH PAYMENT \*\*

#### CONSTRUCTION WORK ORDER

### **Draft Print**

06/17/2016 12:13:35 PM

## Industrial Builders, Inc.

JOB NO. 15274	CONTRACT N	0,		DATE 4/26			
DESCRIPTION OF WORK	4 CAN ATE	FOO	TING	# 4	L	'	
	OL A GOLFIGATION	HOURS	WORKED	BILLING	DATE	4440UDIT	
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	RATE	AMOUNT	
Scott N	SUP	1					
DAW MCK	CARDIOPER						
To-m R	SPER	6.5					
CDO T	08150	6.5					
COEC O	0186	0,0					
		T0741 H	11/ 0007	450( 11)	DI (I I D	ANAGUNIT	
MATERIAL CH	HARGES	TOTAL II	NV COST	15% MA	ARKUP	AMOUNT	
					1.5		
EQUIPMENT, RENTAL &	MISCELL ANEOUS	HOURS WORKED		RATE		AMOUNT	
		REG.	STD BY	REG	STD BY		
L-20 LOTADE	26	6,5					
300 HOE		6,8					
APPROVED					TOTAL		
				,	٨		
				6	//		
Authorized Repres	entative	4		Superinte	ndent		

Superintendent

## CONSTRUCTION WORK ORDER Industrial Builders, Inc.

JOB NO. 15274	CONTRACT N	0			DATE	1/27/
DESCRIPTION OF WORK	MOAVATE	For	TWE	1	£ 4	. /
		HOURS	WORKED	BILLING		
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	RATE	AMOUNT
DE THANKSON	LAB	5				
DAN MCK		6		-		
Scott N	SUP	8	1			
CAMBRON	CARP	5	1000			
TAY 6	TOREMAN	5	10			
DE -	TRUKEYO	10.5	1			
	1.1901 01					
MATERIAL CHA	TOTAL II	V COST	15% MA	ARKUP	AMOUNT	
						ř
<del> </del>						
	,	HOURS	WORKED	RA	TE	9 -
EQUIPMENT, RENTAL & M	ISCELLANEOUS	REG.	STD BY	REG	STD BY	AMOUNT
300 HOE		5				
1-70 CADE	R	7.5				
SIDE DUMY		10.5				
V						
APPROVED					TOTAL	
				1	٨	
				6	2	

**Authorized Representative** 

## CONSTRUCTION WORK ORDER Industrial Builders, Inc.

JOB NO. 15274	CONTRACT N	Ο.			DATE	4/28
DESCRIPTION OF WORK	EXCAVATIO	WL	MI OC	6 7	+4	-//
		HOURS	WORKED	BILLING		
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	RATE	AMOUNT
DEL )		10				
SHAPON S		2				
		45	1,00	-		
	7		الارخر			
		100				
1				.=0/.00		
MATERIAL CHA	RGES	TOTALI	NV COST	15% MA	ARKUP	AMOUNT
		HOURS	WORKED	RA <sup>*</sup>	TF.	
EQUIPMENT, RENTAL & M	ISCELLANEOUS	REG.	STD BY	REG	STD BY	AMOUNT
1-70		2	CIDDI		OID DI	
2000 HOF		10				
PPROVED					TOTAL	
					N	
				/-		
Authorized Represer	ntative	<u> </u>		Superinte	endent	

Superintendent

# CONSTRUCTION WORK ORDER Padustrial Builders, Inc.

JOB NO	CONTRACT N	O			_DATE	4/29/
DESCRIPTION OF WORK	tour or	T a	EBRIS	/Fo	OTTN.	5 #4
				1		
LABOR	CLASSIFICATION	HOURS S.T.	WORKED 1½ OT	BILLING HOURS	RATE	AMOUNT
AMANDO	TRUCK	7				
DEL J	OPER	3				
SCOTT N.	800		1,1			
SHAPON S.	OIES	3				
	- 2		10			
		11-				
MATERIAL CHA	TOTALI	NV COST	15% M	ARKUP	AMOUNT	
						<i>€</i> 1
70				-		
EQUIDMENT DENTAL OLD	100514 41150110	HOURS WORKED		RATE		
EQUIPMENT, RENTAL & M	ISCELLANEOUS	REG.	STD BY	REG	STD BY	AMOUNT
300 HOE		3				
L-70		13				
SIDE DUMP		7				
		H <sub>a</sub> ,				
APPROVED					TOTAL	
				/	1	

**Authorized Representative** 

06/17/2016 12:13:35 PM

# Industrial Builders, Inc.

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT Visit us at http://www.industrialbuilders.com

**Customer Signature** 



#### **General Contractors**



Phone 701-282-4977 FAX 701-281-1409 PO Box 406 - Fargo, ND 58107 1307 County Rd 17 North - West Fargo, ND 58078

**Total Loads** 

IRI	JOD #			Date: 4	- /Hpm					
Truc	ck# 2	-130					Customer	Civic Dik.	- Project	
Trai	ler#	3-300	2							
								Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1					7AM					
2					8:20H					
3					8:3574					
4					10:45					
5					11:55					
6					1:10					
7					2:15					
8					3:20					
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Driv	er Signati	ure				14	lorked Hrs			

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT

Visit us at http://www.industrialbuilders.com



#### **General Contractors**



IBI J	ob# /	432	1	Date: 4	-29-1	6				
Truc	k #	7-	120	130			Customer	I.B.	T.	
Trail	ler#		3 - 3	503	18			2	far	
			,			N. S. C.		Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1					X			7:38	I.B.T.	
2					×	×-		8:30	yar.	
3					X			10:00		
4				п	1			11:00		
5				1	DE	***		12:30		
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_	amando Rocha				, k	Billable Hrs	6:30	1:30	7	
Driv	íver Signature					Worked Hrs			(	
					31		WOIKEU HIS	<u> </u>		1
Cus	tomer Si	gnature		,		-			Total Loads	15

May - Haul out Debris

1 Project Manager  5/4/16 Work Order  1 Foreman  1 Operators  1 Labors  5/11/16 Work Order  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver  1 Superintendent  1 Operators  1 Truck Driver  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver							
5/4/16 Work Order  1 Foreman  1 Operators  1 Labors  5/11/16 Work Order  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver  5/12/16 Work Order  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver  1 Superintendent  1 Operators  1 Truck Driver	Total	5 1 11			(200()	Total	
5/4/16 Work Order  1 Foreman  1 Operators  1 Labors  5/11/16 Work Order  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver  1 Superintendent  1 Operators  1 Truck Driver	Hours	Regular Hours	4.0	Overtime H			700.03
1 Foreman 1 Operators 1 Labors  5/11/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 1 Truck Driver 1 Truck Driver	6	116	4.8	127.6	1.2	\$	709.92
1 Operators 1 Labors  5/11/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver							
5/11/16 Work Order  1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 1 Truck Driver	1.5	76.2	1.2	94.4	0.3	\$	119.76
5/11/16 Work Order  1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 1 Truck Driver 1 Truck Driver 1 Superintendent 1 Operators 1 Truck Driver	1.5	82.2	1.2	97.35	0.3	\$	127.85
1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 5/13/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 1 Truck Driver 1 Truck Driver	0.5	55.95	0.4	70.55	0.1	\$	29.44
1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 5/13/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver							
1 Operators 1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/13/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver 1 Truck Driver	4	126	2.2	120	0.0	<u>۸</u>	F14.40
1 Truck Driver 1 Truck Driver  5/12/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/13/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver	4 10	126 82.2	3.2	139 97.35	0.8	\$ \$	514.40
5/12/16 Work Order  1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/13/16 Work Order  1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver			8				852.30
5/12/16 Work Order  1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver  5/13/16 Work Order  1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver	13	77.65	10.4	91.9	2.6		1,046.50
<ul> <li>1 Superintendent</li> <li>1 Operators</li> <li>1 Truck Driver</li> <li>1 Truck Driver</li> <li>5/13/16 Work Order</li> <li>1 Superintendent</li> <li>1 Operators</li> <li>1 Truck Driver</li> <li>1 Truck Driver</li> </ul>	12	77.65	9.6	91.9	2.4	<b>\$</b>	966.00
<ul> <li>1 Superintendent</li> <li>1 Operators</li> <li>1 Truck Driver</li> <li>1 Truck Driver</li> <li>5/13/16 Work Order</li> <li>1 Superintendent</li> <li>1 Operators</li> <li>1 Truck Driver</li> <li>1 Truck Driver</li> </ul>							
1 Truck Driver 1 Truck Driver  5/13/16 Work Order 1 Superintendent 1 Operators 1 Truck Driver 1 Truck Driver	2	126	1.6	139	0.4	\$	257.20
<ul> <li>1 Truck Driver</li> <li>5/13/16 Work Order</li> <li>1 Superintendent</li> <li>1 Operators</li> <li>1 Truck Driver</li> <li>1 Truck Driver</li> </ul>	10	82.2	8	97.35	2	\$	852.30
5/13/16 Work Order  1 Superintendent  1 Operators  1 Truck Driver  1 Truck Driver	11	77.65	8.8	91.9	2.2	\$	885.50
<ul><li>1 Superintendent</li><li>1 Operators</li><li>1 Truck Driver</li><li>1 Truck Driver</li></ul>	10.5	77.65	8.4	91.9	2.1		845.25
<ul><li>1 Superintendent</li><li>1 Operators</li><li>1 Truck Driver</li><li>1 Truck Driver</li></ul>							
1 Operators 1 Truck Driver 1 Truck Driver	2	126	1.0	120	0.4	<u>۸</u>	257.20
1 Truck Driver 1 Truck Driver	2	126	1.6	139	0.4		257.20
1 Truck Driver	10	82.2	8	97.35		\$	852.30
	11	77.65	8.8	91.9	2.2		885.50
5/18/16 Work Order	10.5	77.65	8.4	91.9	2.1	<b>\$</b>	845.25
1 Superintendent	2	126	1.6	139	0.4	¢	257.20
1 Operators	10	82.2	8	97.35		\$	852.30
1 Truck Driver	10	77.65	8	91.9		\$	805.00
1 Huck Briver	10	77.03	Ü	31.3	_	7	003.00
5/19/16 Work Order							
1 Superintendent	1	126	0.8	139	0.2	\$	128.60
1 Operators	10	82.2	8	97.35		\$	852.30
1 Truck Driver	10	77.65	8	91.9	2	\$	805.00
					Total:	\$	13,747.06
IBI Equipment Rates							
Qty	,	Hourly Rate		Hours			Total
1 300 Excavator	\$	-		51.5		\$	4,789.50
1 Side Dump	\$			88		\$	3,960.00
1 Side Dump	Ą	45.00			Equipment:	\$ \$	8,749.50
				TOTALIBIT	-чиртет.	J	0,743.30
Debris Removal	_						
Date	Lo	oads Unit	:S		rice	Total	
5/11/2016		25		\$		\$	3,125.00
5/12/2016		22		\$	125.00	\$	2,750.00
5/13/2016		13		\$	125.00	\$	1,625.00
5/18/2016						_	
5/19/2016		10		\$		\$	1,250.00
		10 6		\$ \$		\$ \$	1,250.00 750.00
				\$			

Superintendent

CONSTRUCTION WORK ORDER

### Industrial Builders, Inc.

JOB NO. 15274  DESCRIPTION OF WORK	Haul Jul				_DATE	5/4/1
LABOR Ray Go. Lake Fulton	CLASSIFICATION  Foreman  Operator	HOURS S.T.	WORKED 1½ OT	BILLING HOURS	RATE	AMOUNT
MATERIAL CHA	MATERIAL CHARGES				ARKUP	AMOUNT
						*
EQUIPMENT, RENTAL & M		HOURS WORKED REG. STD BY		RATE REG STD BY		AMOUNT
300 Hre		1.5		-		
APPROVED					TOTAL	
AFFROVED				6	TOTAL	

Authorized Representative

Superintendent

CONSTRUCTION WORK ORDER

## Industrial Builders, Inc.

JOB NO. 15274	CONTRACT N	0			DATE	5/1/14	
DESCRIPTION OF WORK	taul oul	del	rea			<del></del>	
				1			
						<	
LABOR	CLASSIFICATION	HOURS	WORKED 1½ OT	BILLING HOURS	RATE	AMOUNT	
lane	Operato	10	1/2 01				
Seath N	Sup.	4		/	8 .	- :	
Chuordo R.	Thuch	13		·			
8×	Truck	12					
, , , ,						- 46	
MATERIAL CHAI	RGES	TOTAL II	NV COST	15% MA	ARKUP	AMOUNT	
1 '							
						(16)	
		HOURO	MODIVED	DA			
EQUIPMENT, RENTAL & MI	SCELLANEOUS	REG.	WORKED	RATE REG STD BY		AMOUNT	
1 Side of		12	STD BY	REG	STD BY		
1 side du		17-					
300 Are	7	10					
	2						
		7	/				
		1					
APPROVED					TOTAL		
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				<	91	¥i	

Authorized Representative

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT

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IBI Job # 15-274



General Contractors

Truc	:k# ℃	-129			0.		Customer	2nd Stre	at Dike	
		-310		(ol	EUD					
								Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1		C	lay d	chair						
2			V,	r	હ					
3			M							
4			M							
5			111				-1			
6										
7										
8						21				
9							100			
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Customer Signature				4.	Total Loads	13
Oriver Signature		W	orked Hrs	6:30 Am	6:154N	
200	-	 В	illable Hrs	110111		Total
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14	-					

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT

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**Customer Signature** 



#### **General Contractors**



Phone 701-282-4977 FAX 701-281-1409 PO Box 406 - Fargo, ND 58107 1307 County Rd 17 North - West Fargo, ND 58078

Total Loads

IBI	lob#	5-2	74	Date:	5-11-1	6		1 St 1	0 4 0	
Truc	k#	2	-130				Customer	7-6	ast fa	190
Trai	ler#		3-30	2						
						D	Dir Oit	Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1	_									
2						X		-		
3						N				
4						X				
5						4				
6						N				3
7						100				Mr.
8						21				3
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#### CONSTRUCTION WORK ORDER

### Industrial Builders, Inc.

DESCRIPTION OF WORK	CONTRACT N	olel	iis		DATE _	1/12/
LABOR	CLASSIFICATION		WORKED	BILLING HOURS	RATE	AMOUNT
Amaria &	Bruch _	S.T.	1½ OT	Hooko		
8 th	Truck	10,5				
Core	OPER	10				
Sin H	Sup	2				
	0					
MATERIAL CH	ARGES	TOTAL II	NV COST	15% M/	ARKUP	AMOUNT
WINTER OF I	7111020			1070111		741700111
EQUIPMENT, RENTAL & I	MISCELL ANEOUS	HOURS	WORKED	RA	TE	AMOUNT
EQUITMENT, RENTAL OF	WIGOLELANEOGO	REG.	STD BY	REG	STD BY	AWOON
Siderlung		//				
Side duly,		10.5				
200 H	e	10				
1						
PPROVED					TOTAL	
					1	
Authorized Represe	entative			Superinte	ndont	

Industrial Builders, Inc.

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT

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### General Contractors

12:133

COUNTY.	THE RESERVE OF THE PARTY OF THE	-129		Date: /	E Ally E	VIVO	Customer	24 5 60	1 1.ke	
10.0515	1	5-310	1	che ?	000			Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1	Debi				8 A.					
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)ri	ver Signa	ture					Worked Hrs	6-30Am	5:30	
	stomer Si	anature							Total Loads	12

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT

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8000



### General Contractors

	_ 0°	FARGO, NORTH DAYON		, , _ , _ , _ , _ , _ , _ , _ ,	,, , , , , , , , , , , , , , , , , , ,
IBI Job #	15-214 Date: 5-12	- 16-	-7		()
Truck #	2-130	Customer	2 51	East	ting 0
Trailer #	) - 707-	-	7		

#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Time Loaded	Delivered To Site	Time Unloaded
1						N				
2						Augus				
3						April 1				
4						×				
5						19				
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7						X				
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23			E I I I I I I I I I I I I I I I I I I I			
24						
25						
1/11/16	ando Rico	/~~	Billable Hrs	From	<b>To</b>	Total
Driver Sign	ature		Worked Hrs		15-10	
Customer S	Signature		,		Total Loads	10

Superintendent

CONSTRUCTION WORK ORDER

## Industrial Builders, Inc.

IOB NO. 15274	CONTRACT NO	0			DATE	5/13/
OB NO	Haul sut	del	ris			1
				T		
LABOR	CLASSIFICATION	HOURS S.T.	WORKED 1½ OT	BILLING HOURS	RATE	AMOUNT
Lyne	Ogenter	10	1/2 01			
amardo R	Trud	//				
St.	Truck	10,5				
dott N	dip	2				
	•					
					4	
MATERIAL CH	IARGES	TOTAL IN	V COST	15% M/	ARKUP	AMOUNT
	-					
						•)
						11
		HOURS	WORKED	RA	TE	
EQUIPMENT, RENTAL &	MISCELLANEOUS	REG.	STD BY	REG	STD BY	AMOUNT
Side duy		11				
Side day	)	10.5				
500 HA		10				
	×					
PPROVED					TOTAL	
I NOVED					IOIAL	

**Authorized Representative** 

06/17/2016 12·13·35 PM

# Industrial Builders, Inc.

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT Visit us at http://www.industrialbuilders.com

**Customer Signature** 



#### **General Contractors**



Phone 701-282-4977 FAX 701-281-1409 PO Box 406 - Fargo, ND 58107 1307 County Rd 17 North - West Fargo, ND 58078

**Total Loads** 

IBI .	Job#	5.27	4	Date:	3 Noy 1	· АИСО, N				
Truc	ck#	12	\		G.		Customer	2 ad Sta.	of Cik.	٤.
Trai	ler#	3-310		Eude"	9,000					
$\equiv$	+15							Time	Delivered	Time
#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Loaded	To Site	Unloaded
1	Deb	ris								
2										N.
3	MI									
4	H									
5										
6										
7										
8			1							
9			- V							
10					***		N-11-2			
11										
12										
13									2	
14										
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16										
17										
18										
19 20										
21										
23						- 8	=			
24						77				
25		400								
	" H	11/2						From	То	Total
Drive	er Signat	ure	7			В	illable Hrs			
DIIV	er orginal	uic								

**Worked Hrs** 

#### CONSTRUCTION WORK ORDER

Industrial Builders, Inc.

JOB NO. 15274	CONTRACT NO		DATE 5/18/19
DESCRIPTION OF WORK	HAVE OUT	REJECT	WATERIAL
-			
			-

LABOR	CLASSIFICATION	HOURS	WORKED	BILLING	RATE	AMOUNT
LABOR	CLASSIFICATION	S.T.	1½ OT	HOURS	KAIE	AMOUNT
LANE FUCTO	OPERATOR	- 10				
STOTT N.	80P	2				
MAYY	TRUCK	10				
	*					
MATERIAL CH	HARGES	TOTAL IN	NV COST	15% M	ARKUP	AMOUNT
						W.
EQUIPMENT, RENTAL &	MISCELL ANEOUS		WORKED	RA	TE	AMOUNT
	WW002227 (172000	REG.	STD BY	REG	STD BY	7 (1110 0111
200 HOE		10				
SUDE 120	MP.	10				
PPROVED		2			TOTAL	

APPROVED TOTAL \_\_\_\_

6

Authorized Representative

Superintendent

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT Visit us at http://www.industrialbuilders.com



#### General Contractors

ID1 1-1-4	150117	Date: 5-18-16	FARGO, HORTH DAYOTA ON	1307 County Ra 17 North - West Fargo, ND 300
IBI Job #	15241	Date: 5"/6"/6		マカナ
Truck #	9	30	Customer	<u> </u>
Trailer #	3-302			

#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Time Loaded	Delivered To Site	Time Unloaded
1						X		740		920
2						X		350		915
3						X		350 945		910 915 1005
4						X		1040		1115
5						X		1150		1210
6						X		1240		110
7						X		140		210
8		,				X		235		255 355 455
9						X		335		355
10						X		435		455
11										
12										
13										
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EV					
24					
25					
mille Ar.	10		From	То	Total
1/100 \$100	00	Billable Hrs			
Driver gignature	1/				
Amel L		Worked Hrs	700	1500	10
Customer Signature	-	_		T	
Justomer Signature				Total Loads	

### CONSTRUCTION WORK ORDER

### Industrial Builders, Inc.

AVL OUT						
	HOURS	HOURS WORKED		-		
CLASSIFICATION	_		BILLING HOURS	RATE	AMOUNT	
OBSERTON	_ 10	1/2 01				
0 480 40.	10					
800	1					
MATERIAL CHARGES		TOTAL INV COST		15% MARKUP		
		y 1				
SCELLANEOUS					AMOUNT	
_		STD BY	REG	STD BY		
SUNE DUMP						
MP	10					
			)			
	O Decation 800	CLASSIFICATION S.T.  ORGENION  ON  NO  NO  NO  NO  NO  NO  NO  NO	S.T. 1½ OT    O   SEASON   O	CLASSIFICATION S.T. 1½ OT HOURS  RGES  TOTAL INV COST 15% MA  SCELLANEOUS  REG. STD BY REG  M P  M P  M P  M P  M P  M P  M P  M	CLASSIFICATION S.T. 1½ OT HOURS RATE  O DECEMBED 10  REGES TOTAL INV COST 15% MARKUP  SCELLANEOUS REG. STD BY REG STD BY  M P 10  NO 10  RATE  RATE  RATE  HOURS WORKED RATE  REG. STD BY REG STD BY	

Authorized Representative

Superintendent

## Industrial Builders, Inc.

PAUL W. DIEDERICH, PRESIDENT DONN O. DIEDERICH, EXECUTIVE VICE PRESIDENT Visit us at http://www.industrialbuilders.com



### General Contractors

Phone 701-282-4977 FAX 701-281-1409 PO Box 406 - Fargo, ND 58107 1307 County Rd 17 North - West Fargo, ND 58078

IBI Job#	15247	Date:	5-19-16	and, months	
Truck #	2-130			Customer	
Trailer #	3-302				

#	Clay	Sand	Rock	Muck	Concrete	Debris	Pit Site	Time Loaded	Delivered To Site	Time Unloaded
	Clay	Sand	HOUK	MUCK	Concrete	X	rit Site		10 316	810
1		-				N. Add		740		
2						X		845		
3						X		940		1005
4						X		1035		1100
5					1	X.		11 30		1150
6						R		1225		100
7		1-		(1	X			135		210
8		3			χ			2.50		320
9				110	X			410		441
10					X			510		600
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12								+	-	
13	-						-			<del>                                     </del>
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Money		Billable Hrs			
Oriver Signature	1				
Schott		Worked Hrs	700	600	
Customer Signature				Total Loads	
				_	



Reiner Contracting, Inc. Change Order for Debris Removal 4/11/2016 - 5/3/2016

Loading									<u>Hauling</u>						Disposal					
D-4-	Contour	Harris de la Roya		Labor			Equipm					Hau	uling	Trailer	Unsuitable		Bricks/Small	Condu	it / Large	Concrete-IBI
Date	Employee	Hours Classification	Rate	Charge	Equipment	Rate	Charg	<u>e</u>	<u>Employee</u>	Hours	Rate	Cha	arge	Style	Backfill-iBi Ya	rd	Logs-IBI Yard	Timbe	r-Landfill	Yard
	Cole Kampsen	1 Laborer	\$ 94.51	\$ 94.51					Jeremiah Andreoff	1.75	\$ 130.89	\$ 2	229.06	Sidedump				\$	827.26	
4/11/2016		1.5 Operator	\$ 98.62	\$ 147.93	950G II Loader	\$ 93.31	\$ 13	9.97						•				\$	680.20	
	Pete Nistler	1 Foreman	\$ 121.13	•					Steve Vacek	1.75	\$ 130.89	\$ 2	229.06	Sidedump				\$	749.36	
	Austin Prentice	1 Laborer	\$ 94.51															\$	678.68	
	Eric Prentice	1 Operator	\$ 98.62		349E Excavator	\$ 286.42	\$ 28	6.42												
4/11/2016	Frank Little	1 Project Mgr	\$ 141.10	\$ 141.10																
	Pete Nistler	1 Foreman	\$ 121.13	\$ 121.13	950G II Loader	\$ 93.31	\$ 9	3.31	Jeremiah Andreoff	1.75	\$ 130.89	\$ 2	29.06	Sidedump				\$	791.92	
4/12/2016	Frank Little	1 Project Mgr	\$ 141.10	\$ 141.10														\$	793.44	
									Steve Vacek	2	\$ 130.89	\$ 2	61.78	Sidedump				\$	777.10	
																		\$	192.28	
4/14/2016	Kit Miller	10.5 Operator	\$ 98.62	1,035.51	950G II Loader	\$ 93.31	\$ 979	9.76	Jeremiah Andreoff	7	\$ 130.89	¢ 0	16 22	Sidedump			8			
	Pete Nistler	1 Foreman	\$ 121.13		3300 23446.	<b>V</b> 33.32			Steve Vacek		\$ 130.89			•			9			
	Frank Little	1 Project Mgr	\$ 141.10						SIETE THEEK	,,,,	Ų 130.03	¥ 1,0		Sideodilip			8			
4/15/2016		4 Operator	\$ 98.62	394.48	950G II Loader	\$ 93.31	\$ 373	3.24	Jeremiah Andreoff	6.5	\$ 130.89	\$ 8	50.79	Sidedump			7			
	Pete Nistler	1 Foreman		\$ 121.13					Steve Vacek	6.75	\$ 130.89	\$ 8	83.51	Sidedump			7			
4/15/2016	Frank Little	1 Project Mgr	\$ 141.10	5 141.10																
4/18/2016	Kit Miller	12 Operator	\$ 98.62	\$ 1,183.44	950G II Loader	\$ 93.31	\$ 1,119	9.72	Jeremiah Andreoff	10.25	\$ 130.89	<b>5</b> 1.3	41.62				10			
4/18/2016	Eric Prentice	Operator	\$ 98.62	788.96	390D Excavator				Steve Vacek		\$ 130.89						12			
4/18/2016	Pete Nistler	1 Foreman	\$ 121.13	5 121.13																
4/18/2016	Frank Little	1 Project Mgr	\$ 141.10	\$ 141.10																
4/19/2016	Pete Nistler	1 Foreman	\$ 121.13	\$ 121.13	950G II Loader	\$ 93.31	\$ g:	3.31	Steve Vacek	6	\$ 130,89	5 7	95 34 °	Sidedump			6			
	Frank Little	1 Project Mgr	\$ 141.10			+	• •		Siere vacer		(1)	<b>-</b> .	05.54	racountp			U			
		1.754.7																		
4/22/2016	Kit Miller	Operator	\$ 98.62		950G II Loader	\$ 93.31	\$ 839	9.79	Jeremiah Andreoff	4	\$ 130.89	\$ 5	23.56	Sidedump				\$	420.00	
	Eric Prentice	6 Operator	\$ 98.62	591.72	390D Excavator	\$ 466.74	\$ 2,800	0.44										\$	420.00	
	Pete Nistler	3 Foreman	\$ 121.13						Steve Vacek	3.75	\$ 130.89	\$ 4	90.84	Sidedump				\$	420.00	
4/22/2016	Frank Little	1 Project Mgr	\$ 141.10	141.10														\$	420.00	
4/27/2016	Kit Miller	4 Operator	\$ 98.62	394.48	950G II Loader	5 93.31	\$ 373	3.24	Jerry Hesse	9.5	\$ 130.89	\$ 1,2	43.46	ildedump				\$	65.00	
4/27/2016		1 Foreman	\$ 121.13	121.13								-		•				\$	65.00	
4/27/2016	Frank Little	1 Project Mgr	\$ 141.10	141.10														\$	65.00	
																		\$	65.00	
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																		\$	65.00	
																		\$	65.00	
									Steve Vacek	8.75	\$ 130.89	\$ 1,14	45.29 9	idedump				\$	65.00	
																		\$	65.00	
																		\$	65.00	
																		<b>5</b>	65.00	
																		\$	65.00	
									Jeremiah Andreoff	65 9	\$ 130.89	¢ 90	50.70 0	idedump				\$ \$	65.00	
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Reiner Contracting, Inc. Change Order for Debris Removal 4/11/2016 - 5/3/2016

Loading									<u>Hauling</u>						<u>Disposal</u>			
			<b>.</b> .	Labor			-	ipment					uling	Trailer	Unsuitable	Bricks/Small	Conduit / Large	
Date	Employee	Hours Classification	Rate	Charge	Equipment	Rate	Ch	narge	Employee	Hours	Rate	Ch	arge	Style	Backfill-IBI Yard	Logs-IBI Yard	Timber-Landfill	Yard
4/28/2016		4 Operator	\$ 98.62 \$		950G II Loader	\$ 93.31	\$	373.24	Jerry Hesse	9.75	\$ 130.89	\$ 1,	276.18	Sidedump			\$ 55.00	
	Pete Nistler	1 Foreman	\$ 121.13 \$														\$ 65.00	
4/28/2016	Frank Little	1 Project Mgr	\$ 141.10 \$	141.10													\$ 65.00	
																	\$ 65.00	
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									Steve Vacek	0.75	\$ 130.89	ć 1	310 72	Cidaduma			\$ 65.00 \$ 65.00	
									Prese Ancek	9.23	\$ 130.63	Э I,	210.73	Sidedomp			\$ 65.00 \$ 65.00	
																	\$ 65.00	
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																	\$ 65.00	
																	\$ 65.00	
									Jeremiah Andreoff	9.5	\$ 130.89	\$ 1,	243,46	Sidedump			\$ 65.00	
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4/29/2016		4 Operator	\$ 98.62 \$		950G li Loader	5 93.31	\$	373.24	Jerry Hesse	10	\$ 130.89	\$ 1,	308.90	Sidedump			\$ 65.00 \$ 65.00	
	Pete Nistler	1 Foreman	\$ 121.13 \$														\$ 65.00	
4/29/2016	Frank Little	1 Project Mgr	\$ 141.10 \$	141.10													\$ 65.00	
																	\$ 65.00	
																	\$ 65.00	
																	\$ 65.00	
																	\$ 65.00	
									Steve Vacek	10	\$ 130.89	\$ 1,	308.90	Sidedump			\$ 65.00	
																	\$ 65.00	
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																	\$ 65.00	
																	\$ 65.00	
																	\$ 65.00	
									Jeremiah Andreoff	3.5	\$ 130.89	5 4	458.12	Sidedump			\$ 65.00	
																	\$ 65.00	
5/2/2016	i Kit Miller	4 Operator	\$ 98.62 \$	307 75	950G II Loader	\$ 93.31	٠,	373.24	Jerry Hesse	6	\$ 130.89	ς .	785.34	Sidedump			\$ 65.00	
3/2/2010	Pete Nistler	1 Foreman	\$ 121.13 \$		Joseph R Concell	- JJ.JI	-		227 112322	٠	+ 100.00	•		oracountp			\$ 65.00	
	Frank Little	1 Project Mgr	\$ 141.10 5														\$ 65.00	
		~															\$ 65.00	
																	\$ 65.00	
																	\$ 65.00	
									Steve Vacek	9.5	\$ 130.89	\$ 1,2	243.46	Sidedump			\$ 65.00	



Reiner Contracting, Inc. Change Order for Debris Removal 4/11/2016 - 5/3/2016

Loading									<u>Hauling</u>					<u>Disposal</u>			
					Labor			Equipment				Hauling	Trailer	Unsuitable	Bricks/Small	Conduit / Large	Concrete-IBI
Date	Employee	Hours	Classification	Rate	Charge	Equipment	Rate	Charge	Employee	Hours	Rate	Charge	Style	Backfill-IBI Yard	Logs-IBI Yard	Timber-Landfill	Yard
																\$ 55.00	
																\$ 55.00	
																\$ 55.00	
																\$ 55.00	
																\$ 65.00	
																\$ 65.00	
									Tom Metcalfe	4 75	\$ 130.89	¢ 531.73	Sidedump			\$ 65.00	
									IDITI MELCONE	4.73	⊋ 13U.03	\$ 021.73	Sidedump			\$ 65.00	
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									Jeremiah Andreoff	0.5	¢ 120 90	\$ 1,243.46	Sidaduma			\$ 65.00	
									ocicinian Andreon	د.د	7 130.03	\$ 1,243,40	Sidedulith			\$ 65.00	
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									Karl Nelson	8.5	\$ 130.89	\$ 1,112.57	Sidedump			\$ 65.00	
													•			\$ 65.00	
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																\$ 65.00	
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																\$ 65.00	
5/3/2016 K			Operator	\$ 98.62		950G II Loader	\$ 93.31	\$ 46.66	Steve Vacek		\$ 130.89	-	Sidedump			\$ 65.00	
	Pete Nistler		Foreman	\$ 121.13					Jeremiah Andreoff		\$ 130.89		Sidedump			\$ 65.00	
F	rank Little	0.5	Project Mgr	\$ 141.10	\$ <b>70.5</b> 5				Karl Nelson	1	\$ 130.89	\$ 130.89	Sidedump			\$ 65.00	
		Char	nge Order Totals	-	\$ 10,202.40			\$ 11,999.49			-	\$ 24,967.27	-	ſ	59.00	\$ 13,280.24	-
				=	a		•	a			•	а	2		Sidedump	a	•
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	Change Order-	Debris Remo	oval Grand Total		\$ 60,449.39	<b>= Σ</b> a											

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

TIME LOADING SITE CUSTOMER WEIGHT/VOLUME DESTINATION MATERIAL  15-44  15	31	TRA	AIDAN AILER 335	OIL /	ADDED	GALS FUEL		DATE HILL
NIT START IME STOP HOURS HOURS DESCRIPTION OF WORK  13.73 2.30 1.35 1.35 Hours Consider Six to Londill	TIME		LOADING SI					MATERIAL
NIT START IME STOP HOURS HOURS DESCRIPTION OF WORK  13.73 2.30 1.35 1.35 Hours Consider Six to Londill	19 41	7	NeO.	15-	112	Lord allightor	han with	tickler Tim
NIT START TIME STOP HOURS EQUIP HOURS DESCRIPTION OF WORK  START STOP HOURS LIFE HOURS DESCRIPTION OF WORK  START STOP HOURS LIFE HOURS DESCRIPTION OF WORK	1'4'	3 .	· · · · · · · · · · · · · · · · · · ·	1500	112	17:90 tons		, , , ,
NIT START TIME STOP HOURS EQUIP HOURS DESCRIPTION OF WORK  START STOP HOURS LIFE HOURS DESCRIPTION OF WORK  START STOP HOURS LIFE HOURS DESCRIPTION OF WORK						<u> </u>		
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NIT START STOP HOURS HOURS DESCRIPTION OF WORK  (8.43 2.30 1.75 1.75 Hours Correct day to Lowell						<u> </u>		-
NIT START STOP HOURS EQUIP HOURS DESCRIPTION OF WORK  18.745 2:30 1.75 1.75 House campber dist to forest					1			
NIT TIME MAN EQUIP HOURS DESCRIPTION OF WORK  (6.45 2.30 1.75 1.75 Hold considered to Lowell)								
NIT TIME STOP HOURS HOURS DESCRIPTION OF WORK  (6.745 9.30 1.75 1.75 Hours considered to box 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.1	1		<del></del>				<u> </u>	
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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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DRIVER -	VACEL C	OMPANY CTA	A Force	JOB	15-112
UNIT TRAILE	RO	IL ADDED	_ GALS FUEL		DATE 4-12-11

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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21541 Hwy. 7 W • Hutchinson, MN 55350 • 320-587-9886
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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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TOTAL

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22167

DRIVER TRAILER 359 OIL ADDED GALS FUEL DATE 1-37-16

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	TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
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## REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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21541 Hwy. 7 W • Hutchinson, MN 55350 • 320-587-9886	
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### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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REINER CONTRACTING 21541 HWY 7 WEST HUTCHINSON MN 55350

Customer # 923

INVOICE NUMBER:

5334

INVOICE DATE:

May 12, 2016

EFFORT:

INERT LANDFILL DISPOSAL - APRIL 2016

JOB 15-112 CHANGE ORDER 3

### CHARGES

### PRODUCTS AND SERVICES:

INERT-LFFE-INERT LANDFILL FEED = 04/8/3016
4 LOADS 0 \$420/EACH

1,680.00

Total

1,680.00

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 in to pue

4-27-16	PM				Cout,			7	635	Year			crake
Date:	Time: AM	Location_	Height	To Landfill	Reiner				me			CLON	COM
Weight Before	Weight After	Net Weight	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color	Load Description:	

# **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 2 rd st. N

Date: 4A77/6 Time: AM PM	To Landfill Cort.	touch 35	Clay rear
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New Construction	Industrial	Remodeling	100.	D	/	*		
lition	Transfer Station	le	Address Where Waste Originated:	1		nature:	1	
Demolition	Transf	Recycle	Address Wh			Driver's Signature:	C92-1004-104-204-694	A 110 1111 1111 1111 1111 1111 1111 111

Source:

C92-1004-JM-2M-6/94

C92-1004-JM-ZM-6/94

**CLAY DEMOLITION LANDFILL** 

4 Miles East of Glyndon, MN on Highway 10

4 miles East of Glyndon, MN on Highway 10	
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142	
3 nd St North (701) 642-1799	
Before	
Weight After & Time: AM PM	
Net Weight (2) Location	
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To Transfer To Landfill	
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Address	
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Driver's Name	
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Driver's Signature:	<i>-</i>

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New Construction

Remodeling Industrial

Address Where Waste Originated:

Driver's Signature:

C92-1004-JM-2M-6/94

Transfer Station\_

Recycle

Demolition

Source:

C92-1004-JM-2M-6/94

3:37 PM 75:57

**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

2 nd though

4 Miles East of Glyndon, MN on Highway 10

4-27-16

Time: AM Location Height \_\_

Date:

Weight Before\_

Weight After Net Weight

Telephone:	Telephone: (218) 498-2430
Operated By: Disposal Service	Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
North 2nd (701) 642-1799	642-1799
Weight Before	Date: 4-27-16
Weight After	Time: AM PM
Net Weight (A) (Q)	Location
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To Transfer	To Landfill
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Address	
State	
Driver's Name	
Vehicle License #	20 35
Vehicle Description: Model	Year
Color	0
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Company Name\_

To Transfer\_

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Address

	New Construction	Industrial	Remodeling	(a)	ftt 016	12	13::	37 P	249031 M
Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:			7	Driver's Signature:	C92-1004-JM-ZM-6/94
									249038

Year

Vehicle Description: Model

Vehicle License #

Driver's Name\_

State\_\_

Color

Load Description:

**New Construction** 

Remodeling Industrial

Address Where Waste Originated:\_

Driver's Signature:

C92-1004-JM-2M-6/94

Transfer Station

Recycle

Demolition

Source:

**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

Μ

Time: AM

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To Landfill

Company Name

To Transfer\_

Address

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Year

Vehicle Description: Model

Vehicle License #\_

Driver's Name\_

State

Color

Load Description:

New Construction

Remodeling Industrial

Address Where Waste Originated:\_

Driver's Signature:

C92-1004-JM-2M-6/94

Transfer Station

Recycle

Demolition

Source:

4 Miles East of Glyndon, MN on Highway 10 Telephone: 12181 408-2420
Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142
3 nd st Longh (701) 642-1799
Weight Before Date: 4-2.7-16
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06/17/2016 12: 3:37 PM 249077 New Construction Remodeling Industrial Address Where Waste Originated: Driver's Signature: Transfer Station Demolition C92-1004-JM-2M-6/94 Recycle Source:

249023

4 Miles East of Glyndon, MN on Highway 16 Telephone: (218) 498-2430

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

(701) 642-1799

Date: 4-27-16  Time: AM PM  Location  Height	To Landfill Cont.	uck B	lay rear	New Construction	Remodeling
Weight Before———————————————————————————————————	To Transfer Company Name Address	State	Vehicle Description: Model  Color  Load Description:	Source: Demolition Transfer Station	Recycle Address Where Waste Originated:

# **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

		Draft Print
Weight Before  Weight After  Weight After  Net Weight  Tons  Company Name  Address  Weight Before  Time: AM  Time: AM  PM  Location  Height  To Landfill  To Landfill	Driver's Name  Vehicle License #	Source:  Demolition  Transfer Station  Recycle  Recycle  Address Where Waste Originated:  Driver's Signature:  Driver's Signature:

249065

Driver's Signature:

C92-1004-JM-ZIM-6/94

4. Miles East of Glyndon, MN on Highway 10

# **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

		Draft Print
Date: 4-27-16 Time: AM PM Location . Height To Landfill	Jonne / rear	New Construction Industrial Remodeling (CA) (CA) (CA) (CA) (CA) (CA) (CA) (CA)
Weight Before Weight After Net Weight Tons To Transfer Address	State	Source: Demolition Transfer Station Recycle Address Where Waste Originated: Driver's Signature:

249040

Driver's Signature:

C92-1004-JM-2M-6/94

4 Miles East of Glyndon, MN on Highway 10 Telephone: (218) 498-2430

Operated By. Disposal Services, Inc., Wahpeton, ND 58074-1142

# 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

C92-1004-JM-ZM-6/94

249022

Driver's Signature:

C92-1004-JM-2M-6/94

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

Date: 4-27-16	Time: AM PM	Location	Height	To Landfill	River Cort.				Um 34	Year	contrate		New Construction	Industrial	Remodeling	190.
Weight Before	Weight After 3	Net Weight (0)	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color Load Description:	Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:

# **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

		Draft Print
27-76 PM		06/17/2016 12:13:37 PM 050647
7	k 34 Year	New Construction Industrial Remodeling
Date: Time: AM Location Height To Landfill	See See	
oresr	State	Source: Demolition Transfer Station Recycle Address Where Waste Originated: Driver's Signature:
Weight Before	State	Source:  Demolition  Transfer Statio  Recycle  Address Where Was  Driver's Signature:

249064

Driver's Signature: 1070mu

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  Weight After  Net Weight  Time: AM  Location  Location
To Transfer To Landfill
Company Name Remain Cont. Address State
Driver's Name
Vehicle License # 12 MW 34
Vehicle Description: Model
Load Description: Clark
Source:
Demolition New Construction
Transfer Station Industrial
Recycle
Address Where Waste Originated:

# **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

		<b>Draft Print</b> 06/17/2019 12:13:37 PM
27-16 PM	Year	749034
Date:	Men Soft	Remodeling
TI DE CONTRA DE		No.
Weight Before Weight After Net Weight Tons To Transfer Company Name Address	Name License # Description:	Recycle Address Where Waste Originated: Driver's Signature: Journal B
Weigh Weigh Net W Tons _	Driver's Vehicle Vehicle Load D	Addr Drive

249042

Driver's Signature: JU Uniush

#### THE PERSON THEORY

**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

いナグチ

To Landfill

Company Name\_

To Transfer\_

Tons \_

Address

State

Time: AM Location Height \_

Date:

Weight Before\_ Weight After

Net Weight

Source:		
Demolition	New Construction	
Transfer Station	Industrial	
Recycle	- 7-Remodeling	06/
Address Where Waste Originated:_	190.	<b>'a</b>
1	0	<b>ft</b> 016
	/ _	12:
Driver's Signature:		<b>Pri</b>
C92-1004-IM-2M-6/94		249143 W

249148

Year

Vehicle Description: Model

Vehicle License #

Driver's Name\_

Color

Load Description:

New Construction

Remodeling

Address Where Waste Originated:\_

Driver's Signature:

C92-1004-JM-2M-6/94

Industrial

Transfer Station

Recycle

Demolition

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	Date: 4-28-16 Time: AM PM Location Height To Landfill  Med Brandfill  Year  Year	New Construction Industrial Remodeling
Operated By: Disposal Services, $Q nd SA \mathcal{U}$ ,	Weight Before Weight After Net Weight — Constant of the company Name Address State Driver's Name Vehicle License # Color Color	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:

# **CLAY DEMOLITION LANDFILL**

Telephone: (218) 498-2430

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

√ √ ≤ ↑ √ (701) 642-1799

Date: 7-28-16	Time: AM PM	Location	Height	To Landfill	Reiner Cort.	,		V	truck 35	el Year	CKN C NO La	SUX		New Construction	Industrial	Remodeling 90	- Ab-	<b>ft</b> 016	12:1	3:37	PΝ	nt 249127 249127
Weight Before	Weight After	Net Weight	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color Color		Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:	1	4	Driver's Signature:		C92-1004-JM-ZM-6/94

249135

Driver's Signature:

**CLAY DEMOLITION LANDFILL** 

4 Miles East of Glyndon, MN on Highway 10

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

(701) 642-1799

To Landfill

Company Name\_

To Transfer\_

Address

Time: AM Location Height \_

Weight After Weight Before\_

Net Weight

Tons \_

Date:

Telephone: (218) 498-2430

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: 4-38-16
Weight After	Time: AM PM
Net Weight	Location
Tons	Height
To Transfer	To Landfill
S Name of S	Reened Cory.
State	
Driver's Name	
Vehicle License #	bruck 35
Vehicle Description: Model	Year
Color	
Load Description:	CENCIO XQ.
	大きつ

Year

Vehicle Description: Model

Vehicle License #

Driver's Name

State

Color

Load Description:

New Construction

Remodeling Industrial

Address Where Waste Originated:\_

Driver's Signature:

C92-1004-JM-2M-6/94

Transfer Station

Recycle

Demolition

Source:

				<b>(a</b>			3:37	nt
				11/2	.010	12.	3.37	249102
	New Construction	Industrial	Remodeling	190	0		<u> </u>	
Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:		7	Driver's Signature:	C92-1004-JM-2M-6/94

249113

**CLAY DEMOLITION LANDFILL** 

4 Miles East of Glyndon, MN on Highway 10

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

(701) 642-1799

Telephone: (218) 498-2430

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

and St. N.

Date: 4-39-16 Time: AM PM_ Location Height To Landfill	cener Cont.		wep 35	Year	conceta
Weight Before Weight After A Fore South Met Weight After A Fore Tons To Transfer A Fore South Met Weight A Fore South Met Weig	ame	State	Vehicle License #	Vehicle Description: Model	Color Load Description:

Company Name

To Transfer\_

Tons \_\_

Address

To Landfill

Time: AM Location Height \_

Date:

Weight Before\_ Weight After

Net Weight

Source:	Demolition New Construction	Transfer StationIndustrial	Recycle	Address Where Waste Originated:	Driver's Signature	249093
	New Construction	Industrial	Remodeling	1000		
Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:	Driver's Signature:	COS-11004-IMAZMAKOA

Source:

06/17/2016

Year

Vehicle Description: Model

Vehicle License #

Driver's Name\_

State\_

Color

Load Description:

12:13:37 PM

249147

4 Miles East of Glyndon, MN on Highway 10 Telephone: (218) 498-2430

Operated By. Disposal Services, Inc., Wahpeton, ND 58074-1142

Weight Before Date: 4-28-16 Weight After Time: AM PM Location		ame	State	Driver's Name Vehicle License #	Vehicle Description: Model Year	Load Description:	Source:  Demolition  New Construction	Transfer Station Industrial  Recycle Remodeling  Address Where Waste Originated:	Driver's Signature:
	Date: 4 Fine: AM Location	it Before Date: 4 Fine: AM Eight Design Height Date: 4 Fine: AM Eight Design De	it Before Date: 4-6  it After AM Location Location Height To Landfill Address	it Before Date: 4 A A A C C By ate.	it Before Date: 4-6  it After AM Location Location Height To Landfill Adress  is Name Autor Auto	it Before  It After  It After  It After  It After  Fine: AM  It After  It After  Fine: AM  It After  It Af	tr After	Before Date: 4-6  After AM Location Location Height Time: AM Height To Landfill License # Color	Time: AM Location Height To Landfill  New Construction Industrial Remodeling

# **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

		Draft Print
23-16	Year 7	06/17/2016 12:13:38 PM 06/672
		Industrial Remodeling
Date:  Time: AM  Location  Height  To Landfill	200	Industrial Remadeling
620	Color	te Originated:
Weight Before	Driver's Name	Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:
Weigh Weigh Net W Tons Tons To Tra	So. Los	Ad Add

249138

4 Miles East of Glyndon, MN on Highway 10

letephone: (<18) 498-2450 Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142 (701) 642-1799	Weight Before Date: 4-27-16 Weight After BM PM Location Location	isfer	State Driver's Name	Vehicle Description: Model  Color  Load Description:	Source:  Demolition  Transfer Station  Recycle  Recycle	re Waste Originated:
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# **CLAY DEMOLITION LANDFILL**

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142 (701) 642-1799 4 Miles East of Glyndon, MN on Highway 10 Telephone: (218) 498-2430

	E	Draft	Print
PM PM		06/17/2016	6 12:13:38 PM 96067
Date: Time: AM Location Height To Landfill  ACCE COTOCOLO  To Candfill  To Candfill	New Construction	Industrial Remodeling	
Model Color		te Originated:	THE STATE OF THE S
Weight Before Weight After Net Weight After Tons Tons To Transfer Company Name Address State Driver's Name  Wehicle License # Vehicle Description: Model Color Load Description:	Source: Demolition	Transfer Station Recycle Address Where Waste Originated:	Driver's Signature:

249123

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	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:
	State Driver's Name Vehicle License # Year Color
Weight Before— Weight After— Weight After— Net Weight — FIME: AM PM— Net Weight — PM— To Transfer— To Transfer—  Address  Address	

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

				ĺ							06/17/	2016	12:13:38	F
Weight After Time: AM PM	Net Weight Location Tons	To Landfill	Company Name Resident	State	Driver's Name	Vehicle Description: Model	Load Description: CENCALLE	Source:	Demolition New Construction	Transfer StationIndustrial	Recycle Remodeling Address Where Waste Originated:		Driver's Signature:	11 11 11 11
-	-												-	

249114

Driver's Signature:

C92-1004-JM-2M-6/94

C92-1004-JM-2M-6/94

nt ≥49105 M

Source:  Demolition  Color  Concrete  New Construction	Recycle Address Where Waste Originated:
rojou	escription:

# **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

249150

Driver's Signature: JUDIMSA

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: 42/6 Weight After PM Location Location Height
To Transfer To Candfill Cont Address
State
Vehicle Description: Model  Color  Color  Load Description:  Color  Colo
Source:  Demolition  Transfer Station  Recycle  Recycle  Address Where Waste Originated:

# **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

28-16 PM			Year			Oraft 06/17/2016	Pri  12:13:38	N 801980
Date: Marine: AM Location	To Landfill	Dermer C	struck 34	concret	New Construction	Remodeling	andreal	*/
Before After After Official	sfer	Company Name	Driver's Name Vehicle License # Vehicle Description: Model	Color Load Description:	ce: Demolition Transfer Station	Recycle Address Where Waste Originated:	Driver's Signature: 1870m.con	W6/94
Weight Before. Weight After Net Weight Tons	To Transfer	Compar Add	Driver's Name . Vehicle License Vehicle Descrip	Load De	Source: De Tra	Red Address	Driver's	792.1004.14.744.704

249136

Driver's Signature: Lecennol Q

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: 4-28-16 Weight After PM	insfer	Address State	Driver's Name————————————————————————————————————	Vehicle Description: Model  Color  Load Description:	concrete	Source:  Demolition  New Construction	Transfer Station Industrial Recycle	re Waste Originated:
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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

Date: 4-3876 Time: AM PM Location Height To Landfill Revnee Cont.	Mulk 34  Nodel  Solor  Mulk  Concertate	Draft Pri 06/17/2016 12:13:38  Remodeling Remodeling Originated:	249112 Wed
Weight Before———————————————————————————————————	State_ Driver's Name_ Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:	C92-1004-INLZM-6/94

C92-1004-JM-ZM-6/94

249118

Driver's Signature: JOTAMA

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

Date: 4-28-16  Time: AM PM  Location  Height To Landfill	einer Cont.	thuck 34  dut concrete	New Construction industrial Remodeling
Weight Before State Stat	Company Name	Driver's Name	Source: Demolition Transfer Station Recycle Address Where Waste Originated:

# **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

		Draft	<b>Print</b>
Weight Before—  Weight After  Net Weight After  Tons  Company Name  Address  Weight After  To Lation  Height  To Landfill  To Address	Driver's Name  Vehicle License #  Vehicle Description: Model  Color  Load Description:  Color  Color	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:	Driver's Signature: 1278/11/26 Onchange Onchanges 249092 C92.1004-144-2146/94

249101

Driver's Signature: ////

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

# **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 Drd S.M

Date: 4-29-16 Time: AM PM Location Height To Landfill	Model Year Year	Draft Print    Industrial   Industrial
Weight Before  Weight After  Net Weight  Tons  To Transfer  Company Name  Address  State	Vehicle License #	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:

249185

Driver's Signature:

**CLAY DEMOLITION LANDFILL** 

4 Miles East of Glyndon, MN on Highway 10

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

(701) 642-1799

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Telephone: (218) 498-2430

4 Miles East of Glyndon, MN on Highway 10

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

l ·	11 00 11
Weight Before	Date: 7 1/6
Weight After	Time: AM PM
Net Weight	Location
Tons	Height
To Transfer	To Landfill
Company Name	einer Cont.
Address	
State	
Driver's Name	340
Vehicle License #	20mel 35
Vehicle Description: Model	Year
Color	•
Load Description:	Jest 1
	000000

To Landfill

Company Name

To Transfer

Tons \_

Address

Time: AM Location Height\_

Date:

Weight Before\_ Weight After

Net Weight

#### 06/17/2016 12:13:38 PM New Construction Remodeling Industrial Address Where Waste Originated: Transfer Station Driver's Signature: Demolition Recycle C92-1004-JM-2M-6/94 Source:

249176

Year

Vehicle Description: Model

Vehicle License #

Driver's Name\_

State

Color

Load Description:

New Construction

Remodeling Industrial

Address Where Waste Originated:\_

Driver's Signature:

C92-1004-JM-2M-6/94

Transfer Station

Recycle

Demolition

Source:

4 Miles East of Glyndon, MN on Highway 10 Telephone: (218) 498-2430

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

and st 11.

Date: 4-29-16	Time: AM PM	Location	Height	To Landfill	ene cont.				semu 35	Year		Cerceta	dix	
Weight Before	Weight After	Net Weight	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color	Load Description:		

#### 06/17/2016 12:13:38 PM **CLAY DEMOLITION LANDFILL** 249159 4 Miles East of Glyndon, MN on Highway 10 Year New Construction Telephone: (218) 498-2430 Remodeling To Landfill Time: AM Location ĥ Height\_ Industrial Date: \_ Address Where Waste Originated:\_ Vehicle Description: Model Color Transfer Station Driver's Signature: Load Description: Vehicle License # Demolition Company Name Driver's Name\_ Weight Before\_ Weight After Address Recycle C92-1004-JM-ZM-6/94 Net Weight To Transfer State Tons Source:

249167

New Construction

Industrial Remodeling

Address Where Waste Originated:

Driver's Signature:

C92-1004-JM-ZM-6/94

Transfer Station

Recycle

Demolition

Source:

4 Miles East of Glyndon, MN on Highway 10 Telephone: (218) 498-2430

Operated by: Disposal Services, Inc., Wanpeton, ND 580/4-1142
Weight Before Date: 4-29-16 Weight After H. Fine: AM PM
location Height
To Transfer To Landfill
Company Name Company Name Company Name
State
Driver's Name
Vehicle License #
Vehicle Description: Model Year
Load Description: CRMCAC AS
Source:
Demolition New Construction
Transfer Station Industrial
Recycle Address Where Waste Originated:

# **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 and stri

Date: 4-39-16	Time: AM PM	Location	Height	To Landfill	Ciner Cont.			å	12m 35	Year		conciole	450
Weight Before	Weight After	Net Weight	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color	Load Description:	

				<b>1</b> 7/2		3:38	249161 Md	
	New Construction	Industrial	Remodeling	100	S			
Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:		Driver's Signature:	C92-1004-JM-2JM-6/94	

249155

Driver's Signature:

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 After Date: Harder PM Location Location Height	To Transfer To Landfill Company Name Address	State	Load Description:	Source:  Demolition  Transfer Station  Recycle  Redress Where Waste Originated:
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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

Date: Height To Landfill	3	on: Model  Control  Color  Control  Control	Draft Print  O6/17/2016 12: 3:38 PM  Remodeling  Vaste Originated:  Va
Weight Before Weight After Net Weight Tons	Company Name	Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:

249180

Driver's Signature:

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

Date: 4-29-16	Time: AM PM	Height	To Landfill	ner Cont.			Q	ama 18	Year	Converte Lux	New Construction	Industrial	Remodeling
Weight Before	Weight After (1)	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color Load Description:	Source: Demolition	Transfer Station	Recycle Address Where Waste Originated:

# **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

Date: 4-29-16	D Time: AM PM	Location	Height	To Landfill	Leiner Cont.			C	20m2 /f	Year	Convert	dist		New Contraction
Weight Before	Weight After	Net Weight	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color		Source:	Demolition

C92-1004-JM-ZM-6/94

249184

Driver's Signature:

C92-1004-JM-2M-6/94

Driver's Signature

Reprodeling Industrial

Address Where Waste Originated:

Transfer Station\_

Recycle

Draft Print
06/17/2016 12: 13:38 PM

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

Date: 4-29-16 Time: AM PM_ Location Height	To Landfill  A. E.L. (Con )	2my 18	Concrata Lonerata	New Construction Industrial Remodeling
Weight Before Weight After Net Weight Tons	To Transfer Company Name	lesse #	Vehicle Description: Model  Color  Load Description:	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:

# **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 Year To Landfill Time: AM Location Height \_ Date: (701) 642-1799 Vehicle Description: Model Color Vehicle License # Load Description: Company Name Driver's Name\_ Weight Before\_ Weight After Address Net Weight To Transfer\_ State Tons

06/17/2016 12:13:38 PM New Construction Remodeling Industrial Address Where Waste Originated: Transfer Station Driver's Signature: 🚅 Demolition Recycle

Source:

249162

Driver's Signature:

C92-1004-JM-2M-6/94

C92-1004-JM-2M-6/94

249160

# **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

		Draft Print
Weight Before  Weight After  Weight After  Net Weight After  To Landfill  Company Name  Address  Date: 4-29-16  Time: AM PM  Location  Height  To Landfill  Address	Driver's Name  Vehicle License #  Vehicle Description: Model  Color  Color  Control  Control	Source:  Demolition  Transfer Station  Transfer Station  Mew Construction  Industrial  Recycle  Address Where Waste Originated:  Driver's Signature:  249153

C92-1004-JM-2IM-6/94

249158

Driver's Signature:

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 4-29-16   Weight After Time: AM   Net Weight PM   Tons PM
insfer
AddressState
Driver's Name Vehicle License #
Vehicle Description: Model  Color  Color  Load Description:
Concreta
Source:  Demolition  New Construction
Transfer Station Industrial Recycle Recycle
Address Where Waste Originated: 700

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

Time: AM PM Location Height To Landfill Year New Construction Industrial Remodeling	
e Waste Originated:	
Driver's Signature: January Gardon Manager Street	

249186

Driver's Signature: 1000mi

06/17/2016 12:13:38 PM

20070

#### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

DRIVER	OJESSE COMPANY	Letier		Fing. Pete
70	OIL ADDED	GALS FUEL	3 m 31 - 11m	DATE 5 2.16

TIME	LOADING SITE	CUSTOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
7:00	15 1, 3	Change Citien	Mack	Chy Comy	Diety No
<u> </u>		11 33		Land Fill	
920					
16 30					
11:40					
(vo.5%					
	/	K 103/1			
10-		and the second second			
* -	1		21 2		79
					,
14.92					
*					
7.5					

UNIT	START	TIME STOP	MAN HOURS	EQUIP HOURS	DESCRIPTION OF WORK
					DESCRIPTION OF WORK
		- 1	:		
	2				
				Se de	10 C
				Ne grand	
:		Ī-			
					Company of the second of the s
TOTAL					

22398

#### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

r	TRAILER	<u>ССЬ</u> сом ——— ОІГА		GALS FUEL	JOB	PATE
TIME	LOADING SI	TE CUS	STOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
655 970 970 034	30 SA 30 SA 30 SA				Chare Cano	13/4/12
745 550	4	6		17 July 2 17 July 2 17 July 2	Clark John Starten Demo	1378 13776 13776
						:
7) 3) 4) 4)						ard
TIT STAI	TIME RT STOP	MAN HOURS	EQUIP		DESCRIPTION OF V	VORK
\$ 64°	415	96	9-క	Marit DiFu	y cly h c	log Co D
				12.4		
				s Cold		

06/17/2016 12:13:38 PM

22690

#### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

7:10 John 1 Chy/Conso	דואי 👯	ក្ TF	RAILER75	1OIL	ADDED	GALS FUEL	JOB	DATE 5/2/16
P. 35 P. 35 P. 35 P. 35 P. 36	TII	ME	LOADING S	ITE CU	STOMER	WEIGHT/VOLUME	DESTINATION	MATERIAL
P. 35 P. 35 P. 35 P. 35 P. 36		0	Jonette.			17 yds	Clay Co Long & 11	Clay/Conevat
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21828

#### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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#### REINER CONTRACTING INC.

**Draft Print** 

21027

TRUCK DRIVER'S TIME & LOG 21541 Hwy. 7 W • Hutchinson, MN 55350 • 320-587-9886

IIT	ТТ	CL NELSC	OIL	ADDED	GALS FUEL	JOB	DATE 5/2/16			
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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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#### REINER CONTRACTING INC. TRUCK DRIVER'S TIME & LOG

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TOTAL

**CLAY DEMOLITION LANDFILL** 

4 Miles East of Glyndon, MN on Highway 10

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142

(701) 642-1799

Telephone: (218) 498-2430

4 Miles East of Glyndon, MN on Highway 10

Ielephone Operated By: Disposal Serv (70	Ielepnone: (218) 498-2430 Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142 (701) 642-1799
Weight Before # 100 Meight After	Date: 5-3-16 Time: AM
Net Weight Office	
To Transfer	To Landfill
Company Name	Zernier Cont.
State	9,000
Driver's Name	No.
Vehicle License #	SG114 35
Vehicle Description: Model	Year
Color Load Description:	dix
	Concrete
	1,000
Source:	
Demolition	New Construction

06/17/2016 12:13:39 PM Year New Construction 1 Remodeling To Landfill Time: AM Location Height \_ Industrial Date:\_ Address Where Waste Originated: Vehicle Description: Model Color Transfer Station Driver's Signature: Load Description: Vehicle License # Company Name Demolition Driver's Name\_ Weight Before Address Weight After Recycle Net Weight To Transfer\_ State Source: Tons \_\_

249214

C92-1004-JM-2M-6/94

249238

New Construction

Remodeling Industrial

Address Where Waste Originated:\_

Driver's Signature: \_

C92-1004-JM-2M-6/94

Transfer Station\_

Recycle

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

The pure

Weight Before Weight After Net Weight Tons To Transfer Company Name Address State Driver's Name	Date: 5-2-16 Time: AM PM Location Height To Landfill
Vehicle Description: Model	el Year
Color Load Description:	Conerch

# **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
102)
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Weight Before	Date: 5-2-10
Weight After & L	Time: AM PM
Net Weight (2)	Location
Tons	Height
To Transfer	To Landfill
Company Name	ener Coth.
Address	
State	
Driver's Name	
Vehicle License #	end 35
Vehicle Description: Model	Year
Load Description:	wit
Source:	
Demolition	New Construction
Transfer Station	Industrial
Recycle	Remodeling 990
Address Where Waste Originated:	17/201
	6 12:
Driver's Signature:	3:39
	PM

249202

C92-1004-JM-2M-6/94

249208

New Construction

Remodeling Industrial

Address Where Waste Originated: 🗋

Driver's Signature:

C92-1004-JM-ZM-6/94

Transfer Station

Recycle

Demolition

Source:

4 Miles East of Glyndon, MN on Highway 10 Telephone: (218) 498-2430

Operated By: Disposal Services, Inc., Wahpeton, ND 58074-II42 (701) 642-1799

and s. N.

Weight Before  Weight After  Weight After  Net Weight  Net Weight  Time: AM  Time: AM  PM  Location  Tons  Address  State  Driver's Name  Color  Color  Load Description: Model  Load Description:  Color  Co		Demolition New Construction
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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 र ८७

(701) 642-1799

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											İ		06/17/	2016	12:13:	:39 ÞM
,	Date: 5-7-16	Time: AM PM	Height	To Landfill	wed Ont.		*	ML 35	Year	dit concrata		New Construction Industrial	Remodeling		37	
	Weight Before	Weight After A Color	Tons	To Transfer	Company Name	Address	Driver's Name	Vehicle License #	Vehicle Description: Model	Load Description:	Source:	Demolition Transfer Station	Recycle Address Where Waste Originated:		10	Driver's Signature:

249191

C92-1004-JM-ZM-6/94

249196

Remodeling Industrial

Address Where Waste Originated:

Driver's Signature:

C92-1004-JM-2M-6/94

Transfer Station

Recycle

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  Weight After  Weight After  Weight After  Time: AM PM  Location  Tons  Height  To Landfill  To Transfer  Address  State  Driver's Name  Vehicle License #  Color   Source:  Demolition Transfer Station Recycle Recycle Address Where Waste Originated:	
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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

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6	Date: JAL	Time: AM PM	Location	Height	To Landfill	Cont			£.	dem B	Year	Just	Controt		New Construction	Industrial	Remodeling	- 90			11/100
	Weight Before	Weight After	Net Weight	Tons	To Transfer	Company Name	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color Load Description:		Domostition	Demolition	Transfer Station	Recycle	Address Where Waste Originated:_	ı		Oriverly Cionate pro-

249230

249223 Md

C92-1004-JM-ZM-6/94

C92-1004-JM-ZM-6/94

Driver's Signature:

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

# **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

			Draft I	Prij
			06/17/2016 12	:13:39
Date: 5-2-/6 Time: AM PM Location Height To Landfill	uner Coat	New Construction Industrial		Mall
Weight Before———————————————————————————————————	1 1 1 1 1	Venicle Description: Model  Load Description:  Source:  Transfer Station	Recycle Address Where Waste Originated:	Driver's Signature:

C92-1004-JM-2M-6/94

Driver's Signature:

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

Before Date: 5-2-/6 After Fine: AM PM Incation Height	Jame	Driver's Name  Vehicle License #  Vehicle Description: Model  Load Description:  Color   Source:  Demolition  Transfer Station  Recycle  Recycle  Address Where Waste Originated:	Signature:	
Weight Before	To TransferCompany Name	State	Source: Demolition Transfer Sta Recycle Address Where V	Driver's Signature:

### **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

		Draft P	rir
		06/17/2016 12:13	:39 ÞN
Date: 5-2-16; Time: AM PM Location Height To Landfill	Mi B Kear	New Construction Industrial Remodeling	Mall
er (C)	State  Driver's Name  Vehicle License #  Color  Load Description:	Source: Demolition Transfer Station Recycle Address Where Waste Originated:	Driver's Signature:

249207

C92-1004-JM-ZM-6/94

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

Date: 5-3-16 Time: AM PM PM Location Pught To Landfill	emerche rear	New Construction Industrial Reprodeling
Weight Before Weight After  Net Weight  Tons  To Trainsfer  Address	State	Source: Demolition Transfer Station Recycle Address Where Waste Originated:

# **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

		Draft F	rint
Date: 5-2-16  Time: AM PM  Location  Height  To Landfill  AM CA CONTROL  To Landfill	Y Sear Year	New Construction Industrial Remodeling	249190 Wd 66:E
4 C S C S S S S S S S S S S S S S S S S	ion: Model Color	Originated:	e: All Mills
Weight Before Weight After Net Weight Tons To Transfer Company Name Address State	Driver's Name Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source: Demolition Transfer Station Recycle Address Where Waste	Driver's Signature:

C92-1004-JM-ZM-6/94

249195

Driver's Signature:

## CLAY DEMOLITION 1 ANDEIL 1

# **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

Date: 5-2-/C Time: AM PM  Location  Height  To Landfill	Lux F  Vear  Service to	Draft Print Industrial Remodeling Remodeling Remodeling
Weight Before— Weight After— Net Weight Tons To Transfer— Company Name— Address State—	Driver's Name  Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:

C92-1004-JM-ZM-6/94

249192

Driver's Signature:

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

Date: 5-2-16 Time: AM PM Location Height To Landfill	Wor \ \	74.2	10mulg Year	let oncrete	New Construction Industrial Bemodeling
Weight Before Weight After Net Weight Tons To Transfer	Address Address	Driver's Name	Vehicle License #	Color Load Description:	Source: Demolition Transfer Station Recycle Address Where Waste Originated:

# **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

		Draft Print
Date: 5-2-/6 Time: AM PM PM Location PM PM To Landfill PM	12nu 19 Jul	New Construction Industrial Remodeling Adjusted Well Strategy Methods 15:13:39
Weight Before	State	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:

249203

Driver's Signature:

# **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

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Date:	Time: AM	Location	Height _	To Landfill	ELME		:	SCM		S. C.	\$		New Construction	Industrial	Remodeling	5		nd renk	
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	100	9						#	ion: Mode	Color				ation		<i>W</i> aste Origi		e: LOTON	0
Weight Before_	Weight After	Net Weight		To Transfer	Company Name	Address	Driver's Name	Vehicle License #	Vehicle Description: Model	Load Description:		Ce:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:_		Driver's Signature: 1000m.	) VIII V
Weig	Weig	Net \	Tons	To Tr	Com		Drive	Vehit	Vehic	Load		Source				Addr		Drive	JC 101 1004 - CO7

249234

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: 5-3-16
Weight After	2	Time: AM PM
Net Weight	Z	Location
Tons		Height
To Transfer	(	To Landfill
Company Name	Rel	einer Gort
Address	-	
State		
Driver's Name		4
· Vehicle License #	De	enc. 34
Vehicle Description: Model	e	Year
Color	_	
Load Description:	C	***************************************
		represente

06/17/2016 12:13:39 PM **CLAY DEMOLITION LANDFILL** Operated By: Disposal Services, Inc., Wahpeton, ND 58074-1142 4 Miles East of Glyndon, MN on Highway 10 Year New Construction Telephone: (218) 498-2430 Remodeling To Landfill Time: AM Location Height \_ Industrial Date: (701) 642-1799 Address Where Waste Originated; Driver's Signature: #8787116 Vehicle Description: Model Color Transfer Station\_ Load Description: Company Name\_ Vehicle License # Demolition Driver's Name\_ Weight Before Weight After Address Recycle Net Weight To Transfer\_ State Tons \_\_\_ Source:

249211

C92-1004-JM-2M-6/94

249218

New Construction

ï

Address Where Waste Originated:\_

Transfer Station\_

Recycle

Demolition

Source:

Driver's Signature: 1008mu

C92-1004-JM-2M-6/94

Industrial Remodeling

## CLAV DEMOLITION LANDELL

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	nt After (CD)	To Transfer To Company Name Company Name Height	Address	Driver's Name  Vehicle License #   Vehicle Description: Model	1 1	Source:  Demolition  New Construction	Transfer Station Industrial Recycle Repodeling Address Where Waste Originated:
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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

5-2-16	PM				· +36				7	Year		le ta		uction			'a 17/2	ft 2016	12:1	3:39	249200 Md	<b>L</b>
Weight Before	4610	Net Weight Location	Tons Height	To Transfer To Landfill	Company Name CLM CA	Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color Color Color	TARS)	Source:	Demolition / New Construction	Transfer Station Industrial	Recycle Remodeling	Address Where Waste Originated:			Driver's Signature; Densyal, Conditional	M)	CX2-IUU4-IM-ZM-sy-y4
									×													

249205

Driver's Signature: Jolomus.

4 Miles East of Glyndon. MN on Highway 10

ht Before the Arter the Meight th	ansfer	Company Name / Common Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color	Load Description:		Source:	Demolition New Construction	Transfer StationIndustrial	Recycle	Address Where Waste Originated:	The state of the s
	ht Before Date: 5 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Date: 5 Time: AM Location Height To Landfill	ht Before Date: 5-2-/4  ht After AM PM PM Location Location Height  ansfer To Landfill Address	ht Before Date: 5-2-/4  ht After AM PM PM Location Height To Landfill To Landfill Address	ht Before Date: 5-2-/4  ht After	ht Before Date: 5-2-/4  ht After	ht Before Date: 5-2-/4  ht After AM PM PM Location Location Height To Landfill Adress  Address Let Bescription: Model Year	ht Before Date: 5-2-16  ht After AM PM Location Location Height To Landfill To Landfill Address  Address Active Ac	ht Before Date: 5 A //  ht After	ht Before Date: 5—2—/f  ht After Fine: AM FM  Location Location Height  ansfer To Landfill  Address  tate  the Description: Model Color   Before Date: 5-2-/k  After AM PM  Location Height  Time: AM PM  Location Height  To Landfill  To	Before Date: 5-2-16  After FM Time: AM PM PM Location Height  Theight To Landfill To Landfill Aress  The Mame To Landfill Area Color Color Arear  Color Color Area Color Arear  Color Area Color	Before Date: 5 2 1/4  After Am PM Ime: Am PM PM Location Height To Landfill Ame Amme Amme Amme Amme Amme Amme Amm	Before Date: 5 A M PM Ime: AM PM Location Height To Landfill To Landfill Ame Name Color Co	Before Date: 5 2-1/  After Am PM Location Height Location Height To Landfill T	

# **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

X-/6	Year	Draft Print 06/17/2016 12:13:40 PM
Date: AM Location Height To Landfill	sencieta "	New Construction Industrial Remodeling
Weight Before Weight After Net Weight Tons To Transfer Company Name Address	Driver's Name  Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source: Demolition Transfer Station Recycle Address Where Waste Originated: Driver's Signature:

249194

Driver's Signature: + PUPMAG

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

Date: 5-2/6 Time: AM PM PM	m 36 mit rear	New Construction Industrial Remodeling
Weight Before Weight After Net Weight Tons To Transfer Company Name Address	State Driver's Name Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source: Demolition Transfer Station Recycle Address Where Waste Originated:

# **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

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	- 1												06/17/201	6 12:13:	40
11 0 1	Date: 5-476	Time: AM PM	Height	To Landfill	ne Conti		l.	12m 136	Year	This converte		Industrial	Remodeling		(A)
	Weight Before	Weight After	Tons	To Transfer	Company Name Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color Load Description:	Source:	Transfer Station	Recycle Address Where Waste Originated:	7	Driver's Signature: 16 0 10

249229

C92-1004-JM-ZM-6/94

249222 Md

C92-1004-JM-ZM-6/94

Driver's Signature: Ka. O m. o Jan

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  Weight After  Net Weight  Tons  To Transfer  Company Name  Address  State  Driver's Name  Vehicle License #  Vehicle License #  Company Name  Address  State  Driver's Name  Company Name  Address  State  Company Name  Address Where Waste Company  Recycle	Veight Before Date: 5-2-16   Veight After Time: AM PM   Iet Weight Location Height	lames	State	Vehicle Description: Model  Color  Co	Demolition New Construction Industrial	Recycle Address Where Waste Originated:	7
--	--	-------	-------	--	--	---	---

# **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

		Draft Pri
Weight Before  Weight After  Weight After  Net Weight  Tons  Company Name  Address	State Driver's Name Color Colo	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:  Advantage    Advantage    Bemodeling  Remodeling  Address Where Waste Originated:  Address Signature:

Driver's Signature: Las Q W W Mary

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

Date: 5-2-16 Time: AM PM Location Height To Landfill  COULL SC  COULL SC  COULL SC  COULL SC	New Construction Industrial Remodeling ted:
Weight Before  Weight After  Net Weight —  Tons  Tons  Company Name  Address  State  Driver's Name  Vehicle License #  Vehicle Description: Model  Color  Load Description:	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:

# **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

	1 1	ï ı		1 1	ł	ŀ		ł	,	ı	[	I	O6/17/2	ft 2016	<b>Pri</b>
5-2-16	2	Location Height	To Landfill	Liner Cont	-		Deme 36	Year	20.7	CONCACE	New Construction	Industrial	Remodeling Y 400	0	( well
	Weight After	Net Weight	To Transfer	Company Name Address	State	Driver's Name	Vehicle License #	Vehicle Description: Model	Color		Source: Demolition	Transfer Station	Recycle Address Where Waste Originated:		Driver's Signature: Kan (1)

C92-1004-JM-2M-6/94

249198 × U

249204

Driver's Signature: Kold Mallolm

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

Date: 5-2-/( Time: AM PM	HeightTo Landfill	ner Cont.		1cm 36	Year	nerate		New Construction	Industrial	Remodeling	
Weight Before Weight After Net Weight	Tons To Transfer	Company Name RQ	State	Driver's Name Vehicle License #	Vehicle Description: Model	Color Load Description:	Source:	Demolition	Transfer Station	Recycle	Address Where Waste Originated:

# **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

		Draft Prir
		06/17/2016 12:13:40 PM
Date: 5-3-/6 Time: AM PM  Location Height  To Landfill	10mil Brear	New Construction Industrial Remodeling
Weight Before  Weight After  Net Weight  Tons  To Transfer  Company Name  Address	State	Source:  Demolition  Transfer Station  Recycle  Address Where Waste Originated:  Driver's Signature:

249193

C92-1004-JM-2M-6/94

249246 W

Driver's Signature:

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: 5-6 Weight After Time: AM PM Location		Company Name XQLRQL COUR	Driver's Name	Vehicle Description: Model  Color  Load Description:	Conchola	Source:  Demolition  New Construction	Recycle Remodeling Address Where Waste Originated:
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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

Q.									Oraft 06/17/2016	<b>Pri</b>	nt MPM 987647
-3-1	PM_				Year						24
Date:	Time: AM	Height	3	36		CK CKO	New Construction	Industrial	Remodeling	9	
Dat	Tim	Hei		10/2/11 ·		75	New	Indu	7	Mad Jam	
	465			3	n: Model .	Color		on	ste Originate	70	
Weight Before	Weight After	TonsTo Transfer	Company NameAddressState	Driver's Name	Vehicle Description: Model	Load Description: _	:e: Demolition	Transfer Station	Recycle Address Where Waste Originated:	Driver's Signature:	C92-1004-JM-ZM-6/94
Weig	Weig Net V	Tons To Tra	Comp	Drive	Vehic	Load	Source: De		Addin	Drive	C92-100

249243

Driver's Signature: 1000 mm



Reiner Contracting, Inc.
Change Order for Removing a Larger Sanitary Lift Station
4/20/16 - 4/22/16

## Loading

Date Employee	Цанка	Classification	Doto	Labor	F!		D-1-		quipment
Date Employee	Hours	Classification	 Rate	Charge	Equipment		Rate		Charge
4/20/2016 Jesse Jensen	6	Operator	\$ 98.62	\$ 591.72	336E Excavator	\$	226.29	\$	1,357.74
4/20/2016 Cole Kampsen	5	Operator	\$ 98.62	\$ 493.10	CP56 Compactor	\$	97.92	\$	489.60
4/20/2016 William Lundb	erg 5	Operator	\$ 98.62	\$ 493.10	D6K Dozer	\$	100.53	\$	502.65
4/20/2016 Kit Miller	6	Operator	\$ 98.62	\$ 591.72	950G II Loader	\$	93.31	\$	559.86
4/20/2016 Pete Nistler	5.5	Foreman	\$ 121.13	\$ 666.22	315B Excavator	\$	111.25	\$	611.88
4/20/2016 Austin Prentice	9 5	Operator	\$ 98.62	\$ 493.10	D5N Dozer	\$	100.53	\$	502.65
4/20/2016 Eric Prentice	5	Operator	\$ 98.62	\$ 493.10	390D Excavator	\$	466.74	\$	2,333.70
4/20/2016 Frank Little	1	Project Mgr	\$ 141.10	\$ 141.10				-	,
4/22/2016 Scott Detloff	4.5	Operator	\$ 98.62	\$ 443.79	CP56 Compactor	\$	97.92	\$	440.64
1/22/2016 Jeff Gerhardso	n 4.5	Operator	\$ 98.62	\$ 443.79	349E Excavator	\$	286.42	\$	1,288.89
1/22/2016 Jesse Jensen	4.5	Operator	\$ 98.62	\$ 443.79	D6K Dozer	\$	100.53	\$	452.39
1/22/2016 Scott Jensen	4.75	Foreman	\$ 121.13	\$ 575.37		\$	2	\$	-
1/22/2016 Steve Magee	4	Operator	\$ 98.62	\$ 394.48	315B Excavator	\$	111.25	\$	445.00
1/22/2016 Pete Nistler	2	Foreman	\$ 121.13	\$ 242.26		\$	=	\$	-
1/22/2016 Eric Prentice	1.5	Operator	\$ 98.62	\$ 147.93	390D Excavator	\$	466.74	\$	700.11
I/22/2016 D Jay Robinson	4	Operator	\$ 98.62	\$ 394.48	D5N Dozer	\$	100.53	\$	402.12
1/22/2016 Frank Little	1	Project Mgr	\$ 141.10	\$ 141.10		-			
		April Totals		\$ 7,190.14				\$	10,087.22
				 a	•		1	-	а

**CHANGE ORDER REQUEST** 

Industrial Builders, Inc. 15274- - 2nd Street Floodwall and Road Relocation **DATE:** 6/14/2016

PCO#: 11

To: Tyler Smith

CH2M Hill Engineer's Inc

657 2nd Ave N

Fargo, ND 58105-5405

701-566-5470 Phone:

Fax:

Email: tyler.smith@ch2m.com

CC:

From: David Goulet

Industrial Builders, Inc.

PO Box 406

Fargo, ND 58107-0406

701-356-9827 Phone:

Fax:

Email: dgoulet@industrialbuilders.com

Below is the detail for our proposal to complete the following changes in contract work:

PCO: Floating Castings

Proposed Scope of Work:

Floating Castings: Replace the current structures with floating castings.

PCO Item	Status	Change (in Days)	Quantity	UM	Unit Price	Amount
1 : Floating Casting	Initiated		1.00	L S 28473.07		28,473.07

Submitted By:		Approved By:				
	6/13/2016					
David Goulet	Date	Tyler Smith CH2M Hill Engineer's Inc	Date			



## 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

6/10/2016

As you aware, there was an issue about the floating casting for this project that resulted in additional costs incurred by Reiner Contracting, DSG, Hancock Concrete over and above what was originally bid. The revision resulted in structures that were set also the remanufacture of structures, the freight costs to remove/replace the original structures (which were already on site), and the eventual disposal of the original structures. Also the cost of the original casting (see DSG email) compared to the original bid items. Below you will find the explanation on why this is a change order.

- 1. The only floating manhole called out in the bid item list is one (1) for item number eleven (11) in the middle of the intersection of 3<sup>rd</sup> Street & 1<sup>st</sup> Avenue North. No other manholes reference City of Fargo Spec. Section 2100.
- 2. All of the Sanitary Sewer Manholes refer only to City of Fargo Spec. Section 1200. In specification 1200.2.6.1 it specifically calls for Neenah Foundry R-1733 frames, and self-sealing lids lettered 'SANITARY SEWER'. The detail drawing in that section agree.
- All of the Storm Sewer Manholes refer only to City of Fargo Spec. Section 1500. In specification 1500.2.8 it specifically calls for Neenah R-1733 frames, and vented lids lettered 'STORM SEWER'. See next point for detail drawing statement.
- 4. In specification section 1500 the drawing detail (5.5) for Type 'E' manholes (as well as A-D manholes on 5.4) appear to show a Neenah R-1733 casting, and note one (1) on that drawing states "Castings Frame, and Cover shall be determined by the engineer based on structure, location, and purpose." We were never made aware that a different type of casting than the spec section calls for in part 2.8 would be required.
- 5. The castings we submitted for Sanitary Sewer Manholes were approved with no mention of floating castings being required.
- 6. The castings we submitted for Storm Sewer Manholes were approved with no mention of floating castings being required.

7. In submittal number 1500-001A, 002A the castings we submitted were again approved along with the precast manholes from Hancock Concrete. Also on each of the round precast manholes that Hancock submitted for review it was stated "Frame: 7" Frame by Others", and they were designed for use with the included Neenah R-1733 submittal. All were approved with only a few minor unrelated notes regarding precast outlet/inlet inverts, and regarding the rectangular curb inlet castings. Again no mention of floating castings.

After careful review of the specs, and plan pages relevant to our scope of supply we submitted on the products that we believed met the requirements of the job. We reviewed the listed specs when deciding what product to bid. If it was in fact the engineer's intent to have floating castings installed on manholes that are within concrete pavement, then that should've been made clear in the bid item list instead of only listing the relevant spec on one item (11) in particular. At the very least the issue should have been brought up to the general contractor after the engineer reviewed the submittals so they could've informed Hancock, and ourselves that changes need to be made. Being that no mention of the requirement was made to any involved parties until now we believe that a change order should be issued if we're to be required to supply floating castings.

After further review and discussion with the suppliers involved, a new cost was obtained for all items with no mark up being applied.

Total cost for storm sewer and sanitary sewer	
Hancock Concrete (No mark up) with tax	\$ 5,309.06
DSG (No Mark up) with tax	\$18,876.73
Total	\$24,185.79
Total cost for force main portion	
Hancock Concrete (No mark up) with tax	\$ 2,889.00
DSG (No Mark up) with tax	\$ 1,398.28
Total	\$ 4,287.28
Total for both change order	\$28,473.07

Sincerely,

Frank Little Bryce Dayhoff Jon Minke

Struct	Precast decision	approved by randy	Casting	Casting Cost			
SS-02	Swap Cone	Do Nothing	Regular				
SS-03	Remove 3 rings	Do Nothing per Nathan	Regular				
SS-04	Remove 3 rings	Do Nothing per Nathan	Regular				
SS-05	Swap Cone	Do Nothing per Nathan	Regular				
SS-06	Remove 3 rings	Remove 3 Rings	Floating	653.40	7.50%	702.41	1
SS-08	Swap Cone	swap cone	Floating	653.40	7.50%	702.41	1
SS-09	Remove 3 rings	Remove 3 Rings	Floating	653.40	7.50%	702.41	1
SS-10	Remove 3 rings	Remove 3 Rings	Floating	653.40	7.50%	702.41	1
SS-11	Swap Cone	swap cone	Floating	653.40	7.50%	702.41	1
SS-12	Swap Cone	swap cone	Floating	653.40	7.50%	702.41	1
SS-13	Swap Cone	swap cone	Floating	653.40	7.50%	702.41	1
SS-14	Swap Cone	Swap cone	Floating	653.40	7.50%	702.41	1
SS-15	Swap Cone	Swap cone	Floating	653.40	7.50%	702.41	1
SS-16	Remove 3 rings	Remove 3 rings	Floating	653.40	7.50%	702.41	1
SS-17	Swap Cone	Do nothing in Green space	Regular				
SS-18	Swap Cone	Do nothing in Green space	Regular	<i>(52.40)</i>	7.500/	702.44	1
ST-1	REMAKE TOP SECTION	Remake	Floating	653.40	7.50%	702.41	1
ST-2	REMAKE TOP SECTION	Remake	Floating	653.40	7.50%	702.41	1
ST-3 ST-04	REMAKE TOP SECTION	Remake Swap Cone	Floating Floating	653.40 653.40	7.50% 7.50%	702.41 702.41	1 1
ST-04 ST-05	Swap Cone Remake	Remake	Floating	653.40	7.50%	702.41	1
			_	055.40	7.50%	702.41	1
ST-05.3 ST-05.4	nothing No rings	Do nothing green space	Regular Regular				
ST-05.4	No rings	Do nothing green space Do nothing green space	Regular				
ST-05.5	Swap Cone	Swap Cone	Floating	653.40	7.50%	702.41	1
ST-07	REMAKE TOP SECTION	·Remake	Floating	653.40	7.50%	702.41	1
ST8	Remake	remake	Floating	653.40	7.50%	702.41	1
ST-9	Remake	Remake	Floating	653.40	7.50%	702.41	1
ST-10	Swap Cone	Swap Cone	Floating	653.40	7.50%	702.41	1
ST-11	No rings	Do Nothing per Nathan	Regular	055.40	7.5070	702.41	1
ST-12	140 111163	Do Nothing per Nathan	Regular				
ST-13	REMAKE	remake	Floating	653.40	7.50%	702.41	1
ST-14	Swap Barrel	Swap Barrel	Floating	653.40	7.50%	702.41	1
ST-15	Swap Barrel	Swap Barrel	Floating	653.40	7.50%	702.41	1
sT-16	Swap Cone	Swap Cone	Floating	653.40	7.50%	702.41	1
ST-17	Swap Cone	swap cone	floating	653.40	7.50%	702.41	1
ST 18	Swap Cone	Do nothing in Green space	Regular				
ST-19	Swap Cone	Swap Cone	Floating	653.40	7.50%	702.41	1
ST-20	Swap Cone	swap cone	Floating	653.40	7.50%	702.41	1
ST-21	No rings	'Do nothing in Green space	Regular	000.10	,,,,,,,	, , , , , ,	•
2A		Remake from Hancock		653.40	7.50%	702.41	1
		Remake Hom Hancock		055.40	7.50%	702.41	1
2B 2C		Remake		653.40	7.50%	702.41	1
				000.10		20,237.50	
		Lump sum Hancock Concrete	oroducts letter	<u>7661</u>	7.50%	8235.58	<i>49</i>
				_		28473.07	

Meeting Date: 6/16/2016



## **Technical Advisory Group Recommendation**

**RECOMMENDATION FOR ACTION:** 

The Technical Advisory Group have 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 (\$)

## Landwehr Construction, Inc.

Change Order #2

\$79,632.00

WP-42C.1, Demolition/Renovation, Howard Johnson Hotel, Old Shakey's Pizza, Fargo Public Schools – Install additional length of helical pier

## **Summary of Contracting History and Current Contract Action:**

Original Agreement or Amendment	Budget (\$) Change	Prevouis Project Cost	Revised Project Cost	Project Start	Project Substantial Completion	Comments
Original Contract	\$668,870.00	\$0	\$668,870.00	11-Feb-16	30-May-16	Contract Award to lowest responsive bidder, Landwehr Construction, Inc.
Change Order No. 1	\$138,613.57	\$668,870.00	\$807,483.57	11-Feb-16		Abatement of additional asbestos containing materials.
Change Order No. 2	\$79,632.00	\$807,483.57	\$887,115.57	11-Feb-16	16-Jul-16	Installing additional length of helical pier

Change Order No. 2 adds \$79,632.00 to the Contract Price to accommodate an additional quantity of helical piers that were necessary to meet the required load and safety factor for the Fargo Public Schools portion of the project.

The helical piers were required to be installed to a predetermined installation torque. As a result of the conditions on the site, many of the piers did not achieve the required installation torque until much deeper than anticipated on the plans. The Engineer of Record reviewed the applicable submittals and approved the final linear feet of piers. The added cost of \$79,632.00 is based on a contracted unit rate. CH2M recommends approval of this Change Order.

## **ATTACHMENT(S):**

Draft Change Order No. 2

## Submitted by:

Son W. Later	June 16, 29016
John Glatzmaier, P.E.	Date
CH2M HILL	
Project Manager	
Metro Flood Diversion Project	
Keith Berndt, Cass County Administrator	April Walker, Fargo City Engineer
Concur: June 21, 2016 Non-Concur:	Concur: June 21, 2016 Non-Concur
Mark Bittner, Fargo Director of Engineering	Jason Benson, Cass County Engineer
Concur: June 20, 2016 Non-Concur:	Concur: Non-Concur
David Overbo, Clay County Engineer	Robert Zimmerman, Moorhead City Engineer
Concur: June 16, 2016 Non-Concur:	Concur: June 17, 2016 Non-Concur
Nathan Boerboom, Diversion Authority Project	
Manager	
Concur: June 16, 2016 Non-Concur:	



		Change Order No.	02
Date of Issuance:	6/23/2016	Effective Date:	6/23/2016
Owner: Metro	Flood Diversion Authority	Owner's Contract No.:	WP-42C.1
Owner's Representative:	CH2M HILL Engineers, Inc.	Owner's Representative Project No.:	479407
Contractor:	Landwehr Construction, Inc.	Contractor's Project No.:	
Engineer:	Houston-Moore Group, LLC	Work Package No.:	WP-42C.1
Project: <u>Fargo-l</u>	Moorhead Area Diversion _Contrac		vard Johnson Hotel, Old rgo Public Schools

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

## **Description:**

## INSTALL ADDITIONAL LENGTH OF HELICAL PIER

a. Increase quantity of line item 007, Adjustment of Helical Pier/Anchor Field Lengths by 711 linear feet to account for the actual installed quantity and adjust the Contract Price accordingly.

## Attachments:

• Change Order 2 Unit Price Schedule dated 6/23/16

CHANGE IN C	CONTRACT PRICE		CHANGE IN CONTRACT TIMES				
			[note change:	s in Mile:	stones if applicable]		
Original Contract Price	:		Original Contract Times:				
			Substantial Compl	etion: <u>N</u>	lay 30, 2016		
			Ready for Final Pa	yment: <u>J</u>	une 13, 2016		
	668,	870.00					
[Increase] [ <del>Decrease</del> ] f	rom previously appro	oved	[Increase] <del>[Decrea</del>	<del>se]</del> from	previously approved		
Change Orders No.:			Change Orders No	. 1:			
			Substantial Compl	etion: 4	7 days		
			Ready for Final Pa	yment: 4	<u> 17 days</u>		
	138,	613.57					
Contract Price prior to	this Change Order:		Contract Times pr		•		
			Sub. Completion (Shakey's, FPS): May 30, 2016				
			Sub. Completion (	Hotel): J	luly 16, 2016		
	807,	483.57	Ready for Final Pa	yment:	July 30, 2016		
[Increase] [ <del>Decrease</del> ] o	f this Change Order:		[Increase] [Decrea	se] of th	is Change Order:		
			Sub. Completion (	Shakey's	, FPS): <u>0 days</u>		
			Sub. Completion (	Hotel): 0	<u>days</u>		
	79,	632.00	Ready for Final Pa	yment: (	<u>days</u>		
Contract Price incorpor	rating this Change Or	rder:	Contract Times with all approved Change Orders:				
			Sub. Completion (	Shakey's	, FPS): May 30, 2016		
			Sub. Completion (	Hotel): <u>J</u>	uly 16, 2016		
	887,	115.57	Ready for Final Pa	yment: <u>J</u>	uly 30, 2016		
RECOMMENDE	D:	ACC	EPTED:		ACCEPTED:		
Ву:	By:			Ву:			
Owner's Repr (Authorized S		(A	Owner Authorized Signature)		Contractor (Authorized Signature)		
Name: Tyler Smith, P	.E. Name:	Darre	II Vanyo	Name:	Nick Linnemann		
Title: Construction	Manager Title:	Chair	man	Title:	Project Manager		
Date:	Date:			Date:			

## WP-42C.1 Hojo/Shakey's/Fargo Public Schools Demolition

Change Order 2 Unit Price Schedule

DATE: 6/23/2016



	WP - 42C.1 - Hojo/Shakey's/Fargo Public Schools Demolition													
Item	Description	Unit		Current Budget	t			Net Change				New Budget		
item	Description	Oilit	QUANTITY	UNIT PRICE		AMOUNT	QUANITY	UNIT PRICE	A۱	OUNT	QUANITY	UNIT PRICE		AMOUNT
0001	Howard Johnson Hotel Demolition	LS	1.00	325,000.00	\$	325,000.00					1.00	325,000.00	\$	325,000.00
0002	Old Shakey's Pizza Demolition	LS	1.00	13,000.00	\$	13,000.00					1.00	13,000.00	\$	13,000.00
0003	Fargo Public School Warehouse Demolition & Renovation	LS	1.00	264,170.00	\$	264,170.00					1.00	264,170.00	\$	264,170.00
0004	Traffic Control	LS	1.00	1,600.00	\$	1,600.00					1.00	1,600.00	\$	1,600.00
0005	Temporary Fence - Safety	LS	1.00	25,800.00	\$	25,800.00	>				1.00	25,800.00	\$	25,800.00
0006	Over Excavation as directed by Owner's Representative	CY	500.00	17.00	\$	8,500.00					500.00	17.00	\$	8,500.00
0007	Adjustment for Helical Pier/Anchor Field Lengths	LF	275.00	112.00	\$	30,800.00	711.00	\$ 112.00	\$	79,632.00	986.00	112.00	\$	110,432.00
8000	Additional Asbestos Abatement	LS	1.00	138,613.57	\$	138,613.57					1.00	138,613.57	\$	138,613.57
	WP-42C.1 - TOTAL AMO	UNT	CURREN	IT BUDGET	\$	807,483.57	NET (	CHANGE	\$	79,632.00	NEW	BUDGET	\$	887,115.57

WP-42C 1 UnitPriceSchedule\_2016 06 17



## DEPARTMENT OF THE ARMY

ST. PAUL DISTRICT, CORPS OF ENGINEERS 180 FIFTH STREET EAST, SUITE 700 ST. PAUL, MN 55101-1678 PECEIVED CASS COUNTY COMMISSION

JUN 2 1 2016

June 20, 2016

Regional Planning and Environment Division North

SUBJECT: MOA for signature for mitigation at Maple River sites, Fargo-Moorhead Metro Flood Risk Management Project, Cass County, North Dakota

Ms. Heather Worden Cass County Commission 211 9th Street South P.O. Box 2806 Fargo, ND 58108-2806

Dear Ms. Worden:

This letter concerns the Reach 7/Maple River aqueduct portion of the proposed diversion channel of the Fargo-Moorhead Metro Flood Risk Management Project. Enclosed is the original signature copy of the Memorandum of Agreement Among the U.S. Army Corps of Engineers, St. Paul District, the North Dakota State Historic Preservation Office, and the Flood Diversion Board of Authority Regarding Data Recovery Mitigation at Archeological Sites at the Maple River Crossing of the Fargo-Moorhead Metro Flood Risk Management Project, Cass County, North Dakota (MOA). This final version of the MOA has been reviewed by the St. Paul District, U.S. Army Corps of Engineers' (Corps) Office of Counsel and signed by the St. Paul District Commander and the North Dakota State Historic Preservation Officer (SHPO).

Please have Mr. Darrell Vanyo, Chairman of the Flood Diversion Board of Authority, sign the MOA at his earliest convenience and return the original signature copy to St. Paul District Corps archeologist Susan Malin-Boyce at Environmental Planning Section, U.S. Army Corps of Engineers, St. Paul District, 180 Fifth Street East, Suite 700, St. Paul, MN 55101-1678. If you have any questions regarding the above or the MOA, please contact Dr. Malin-Boyce at (651) 290-5379 or by email at <a href="mailto:Susan.B.Malin-Boyce@usace.army.mil">Susan.B.Malin-Boyce@usace.army.mil</a>. We will send you a fully executed copy of the MOA for your records.

Sincerely,

Terry J. Birkenstock

Deputy Chief, Regional Planning and Environment Division North

Enclosure MOA for signature

## MEMORANDUM OF AGREEMENT AMONG THE U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DISTRICT, THE NORTH DAKOTA STATE HISTORIC PRESERVATION OFFICE, AND THE FLOOD DIVERSION BOARD OF AUTHORITY REGARDING DATA RECOVERY MITIGATION AT ARCHEOLOGICAL SITES AT THE MAPLE RIVER CROSSING OF THE FARGO-MOORHEAD METRO FLOOD RISK MANAGEMENT PROJECT, CASS COUNTY, NORTH DAKOTA

Final – May 25, 2016

WHEREAS, the Fargo-Moorhead Metro Flood Risk Management Project ("Project") constitutes an "undertaking" as that term is defined in Section 301 of the National Historic Preservation Act of 1966 (54 USC 300320; formerly 16 USC 470w(7)); and

WHEREAS, the U. S. Army Corps of Engineers, St. Paul District ("Corps"), is the federal agency with responsibility for completing the requirements of Section 106 of the National Historic Preservation Act, as amended (54 USC 306108; formerly 16 USC 470f), for the Project; and

WHEREAS, the Flood Diversion Board of Authority ("Diversion Authority"), which is a joint powers authority formed by the city of Fargo; the city of Moorhead; Cass County, North Dakota; Clay County, Minnesota; the Cass County Joint Water Resource District; and the Buffalo-Red River Watershed District, is one of the non-Federal sponsors for the Project; and

WHEREAS, a Programmatic Agreement Among the U.S. Army Corps of Engineers, St. Paul District, the North Dakota State Historic Preservation Officer, and the Minnesota State Historic Preservation Officer Regarding the Fargo-Moorhead Metro Flood Risk Management Project, Cass County, North Dakota and Clay County, Minnesota ("Programmatic Agreement") was finalized in 2011; and

**WHEREAS,** *Amendment No. 1* to the Programmatic Agreement ("PA Amendment") expanding the Project's Area of Potential Effects was finalized in 2013; and

WHEREAS, the Corps, pursuant to 36 CFR 800.4(c), has determined that prehistoric archeological sites 32CS5127 and 32CS5146 at the Maple River are eligible for inclusion in the National Register of Historic Places ("National Register") under Criterion D as properties significant for their ability to yield important information about prehistory or history, and this determination of eligibility has been concurred with by the North Dakota State Historic Preservation Officer ("SHPO"); and

WHEREAS, the Corps, pursuant to 36 CFR 800.4(c), has determined that prehistoric and historic archeological site 32CS5139 at the Maple River may be eligible for inclusion in the National Register under Criterion D pending the results of future Phase II testing for intact subsurface cultural deposits at its location; and

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WHEREAS, the remaining archeological sites and isolated finds within the Project's Reach 7 construction work limits have been determined not eligible to the National Register with the North Dakota SHPO's concurrence and therefore, no further cultural resources work under Section 106 is necessary at their locations; and

WHEREAS, the Corps has established the Project's area of potential effects ("APE") at the Maple River as including the area within the Project's Reach 7 construction work limits for the Maple River aqueduct structure, diversion channel alignment, and associated features; and

WHEREAS, the Corps has determined that construction of the Project's Reach 7 features cannot avoid crossing part of National Register-eligible site 32CS5127 on the south side of the Maple River and will adversely affect this site through diversion channel and aqueduct structure excavation; and

**WHEREAS**, the Corps has determined that National Register-eligible site 32CS5146 and potentially-eligible site 32CS5139 are adjacent to, but outside of, the Project's Reach 7 construction work limits, and are currently avoided by Reach 7 excavation and construction activities; and

**WHEREAS**, the APE for the Project's construction activity at Reach 7 will not include work on tribal lands, but Indian tribes may attach religious or cultural significance to the sites within those work limits, and, as such Indian tribes have been invited as concurring signatories to this Memorandum of Agreement ("MOA"); and

**WHEREAS**, the Corps, the SHPO, and the Diversion Authority ("the Parties") have determined to enter into this MOA to ensure compliance with Stipulation E, Phase III Mitigation, of the Programmatic Agreement; and

**WHEREAS**, to the best of the Parties' knowledge and belief, no human remains, associated or unassociated funerary objects or sacred objects, or objects of cultural patrimony, as defined in the Native American Graves Protection and Repatriation Act (25 U.S.C. 3001), are expected to be encountered in the archeological work;

**NOW, THEREFORE,** the Corps, the Diversion Authority, and the SHPO agree that, upon filing this MOA with the Advisory Council on Historic Preservation (Advisory Council), and upon the Corps' and/or the Diversion Authority's decision to proceed with Reach 7 construction as part of the Fargo-Moorhead Metro Flood Risk Management Project, the Corps and the Diversion Authority shall ensure that the following stipulations are implemented in order to mitigate the adverse effects of the undertaking on historic properties.

## **STIPULATIONS**

A. <u>Data Recovery Plan</u>: The Corps or its Contractor(s) shall prepare a data recovery plan for each Phase III Mitigation contract involving National Register-eligible archeological sites located within the Project's Reach 7 construction work limits at the Maple River. Data recovery at the National Register-eligible sites shall consist of two parts: a geomorphological study of the

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site areas and archeological data recovery in the parts of the sites within the Project's construction work limits. The Data Recovery Plan will list research questions to be addressed by the mitigation at each site covered by the contract. Site 32CS5127 will need mitigation based on the current construction work limits. Sites 32CS5139 and 32CS5146 will need mitigation if the Reach 7 construction work limits shift westward on the north side of the Maple River.

- (1) Review of Data Recovery Plan: The Corps shall provide the North Dakota SHPO and other signatories to this MOA with a copy of each draft Data Recovery Plan prepared under this MOA for a 30 day review and comment period. The 30-day review and comment period will commence upon receipt of the draft Data Recovery Plan by all signatories. All comments on the draft Data Recovery Plan will be provided to the Corps before the expiration of the review and comment period. If no comments are received, the draft Data Recovery Plan will become the final Data Recovery Plan. If comments are received, the Corps shall incorporate the comments into the plan and provide a revised Data Recovery Plan to the SHPO and other signatories. The revised Data Recovery Plan will become the final Data Recovery Plan unless the Parties invoke dispute procedures in accordance with Stipulation I below.
- (2) Review of Draft and Final Reports: The Corps will provide all signatories to this MOA with a copy of all draft Phase III mitigation reports for a thirty (30) day review and comment period. The 30-day review and comment period will commence upon receipt of the draft Phase III mitigation report by all signatories. All comments on the draft Phase III mitigation report will be provided to the Corps before the expiration of the review and comment period. The Corps will forward all review comments to its Archeological Contractor for inclusion in the final Phase III mitigation report. All signatories to this MOA will be provided with a copy of the final Phase III mitigation report covering the geomorphological coring and archeological data recovery at the applicable National Register-eligible sites.
- B. <u>Professional Qualifications</u>: The Archeological Contractor's key personnel working on this project must meet the professional qualifications standards for prehistoric archeologists as given in the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation (as amended and annotated) [available at <a href="http://www.nps.gov/history/local-law/arch\_stnds\_9.htm">http://www.nps.gov/history/local-law/arch\_stnds\_9.htm</a>]. Key personnel include the Contractor's principal investigator, field and laboratory supervisors and crew chiefs.
- C. Artifact Analysis and Curation: All artifacts will be sorted into standard analytical categories (e.g., ceramics, chipped stone debris, chipped stone tools, fire-cracked rocks, faunal remains) and analyzed by the appropriate technical specialists. Provided the landowners agree to donate the artifacts, all artifacts will be processed, catalogued, and packaged for curation at the State Historical Society of North Dakota; otherwise they will be returned to their respective landowner(s) after analysis is complete.
- D. <u>Public Involvement</u>: The Data Recovery Plan will include measures to involve the general public, such as site tours during excavation, newspaper articles, use of social media, a TV news segment, and/or notifying the North Dakota Archaeological Association of the data recovery excavations.

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- E. <u>Tribal Involvement</u>: The Corps will invite the Tribal Historic Preservation Officers (THPOs) of the Sisseton-Wahpeton Oyate, the Turtle Mountain Band of Ojibwe, the Spirit Lake Tribe, the Upper Sioux Community, the Lower Sioux Indian Community, the White Earth Band of Minnesota Chippewa, the Standing Rock Sioux Tribe, the Leech Lake Band of Ojibwe, the Yankton Sioux Tribe, and the Crow Creek Sioux Tribe to visit and observe data recovery excavations.
- F. Inadvertent Discoveries: If human remains or burial goods are encountered during the excavation, work will be suspended in that area of the site and North Dakota Century Code 23-06-27 and North Dakota Administrative Code 40-02-03 protecting prehistoric and historic burial sites, human remains and burial goods will be followed. Appropriate officials at the Archaeology and Historic Preservation Division of the State Historical Society of North Dakota will be notified immediately of the find. An on-site meeting will be convened involving burial program representatives, Indian tribal representatives, the St. Paul District, U.S. Army Corps of Engineers, Diversion Authority representatives, and the project archeologist to determine the procedures for completing the excavation, treatment of human remains, and final disposition of the human remains and associated artifacts. A written plan of action stemming from this meeting will be forthcoming within 30 days of the meeting, which will establish a plan of action for possible analysis of the remains and eventual reburial according to North Dakota law.
- G. <u>Report Standards</u>: The Data Recovery Plan and Phase III Mitigation report will be prepared in accordance with the North Dakota SHPO's standards as provided in the *North Dakota SHPO Guidelines Manual For Cultural Resource Inventory Projects* (Revised Edition) (Updated April 30, 2015), which is available at <a href="http://history.nd.gov/hp/hpforms.html">http://history.nd.gov/hp/hpforms.html</a>.

## H. Site Protection

Archeological sites 32CS5146 and 32CS5139 will be fenced off from the Reach 7 construction area so they are not inadvertently impacted by construction activities. If all or part of either of these two sites will be impacted by Project-related construction, then Phase III mitigation will be necessary and Stipulations A-G will be followed for the site(s) to be adversely affected.

## I. Dispute Resolution

Should any Party to the MOA provide written objections, stating the basis for the objection, to any plans, documents, or reports prepared under the terms of this MOA within 30 days after receipt by such Party, the Corps shall consult with the Parties to resolve the objection. If the Corps determines that the objection cannot be resolved, the Corps shall forward all documentation relevant to the dispute to the Advisory Council on Historic Preservation. Any recommendation or comment provided by the Advisory Council will be understood to pertain only to the subject of the dispute. The Corps' responsibility to carry out all actions under this MOA that are not the subject of the dispute will remain unchanged.

## J. Amendment

Any Party to this MOA may request that it be amended, whereupon the Parties to the MOA shall

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consider such an amendment. The MOA may only be amended by the written agreement of the Parties.

## K. Anti-Deficiency Provision

All obligations on the part of the Corps under this MOA shall be subject to the appropriation, availability and allocation of sufficient funds for the Project for such purposes.

## L. Termination

- This MOA will terminate upon compliance with the stipulations to the satisfaction of the Corps and the SHPO. The Corps and the SHPO will make a written determination of compliance that will document that the stipulations have been met.
- 2. If the terms of this MOA have not been implemented five years after execution, this MOA will be null and void. In such an event, the Corps shall notify the SHPO and other signatories of its expiration, and if appropriate, shall re-initiate review of the undertaking in accordance with 36 CFR 800.
- 3. Any Party to this MOA may withdraw from the MOA by providing thirty (30) days written notice to the other Parties, provided that the Parties consult during the period prior to withdrawal to seek agreement on amendments or other actions that would avoid withdrawal. If a Party withdraws from the MOA, the MOA will be terminated. If the Corps elects to continue with the undertaking, the Corps will reinitiate review of the undertaking in accordance with 36 CFR 800.

Execution of this MOA by the Corps, the SHPO, and the Diversion Authority, its subsequent filing with the Advisory Council, and satisfaction of its stipulations evidence that the Corps has taken into account the effects of the Project on National Register-eligible archeological sites at its Maple River crossing and has satisfied its Section 106 responsibilities in connection with those historic properties.

U.S. ARMY CORPS OF ENGINEERS, ST. PAUL DI	ISTRICT
BY: COL. Daniel C. Koprowski, District Engineer	Date: 26 Mby 16
NORTH DAKOTA STATE HISTORIC PRESERVAT	TION OFFICER
BY: Claudia I Berg. State Historic Preservation Off	Date: 6.9./6

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## FLOOD DIVERSION BOARD OF AUTHORITY

BY: Darrell Vanyo, Chairman	Date:	
Concur:		
UPPER SIOUX COMMUNITY		
BY:	Date:	м.
Kevin Jensvold, Chairman		