

Technical Advisory Group Recommendation

Meeting Date: 10/18/2017

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority, the Owner’s Program Management Consultant (PMC) or Engineer of Record (EOR) shall submit a construction Work Change Directive request to the Technical Advisory Group. The Technical Advisory Group shall review the Work Change Directive request during its next regular meeting, and make a recommendation as to approval or denial of the Work Change Directive request.

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

Description	Budget Estimate (\$)
Hoffman & McNamara	
<i>Work Change Directive No. 01</i>	\$0
WP-42G In-Town Levees General Landscape and Plantings – Create Milestone 2A for site furnishings.	

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
WP-42G Contract	0.00	519,954.74	519,954.74	15-Aug-17	15-Jun-2024	Awarded In-Levees General Landscape and Plantings
Change Order 1	519,954.74	(24,175.26)	495,779.48	15-Aug-17	15-Jun-2024	NE Corner Additional Area, Adjustments to Areas Along River, Custom Radius Bench Arms, Topsoil Prices, Turf Grass
Work Change Directive 1	495,779.48	0	495,779.48	15-Aug-17	15-Jun-2024	Milestone 2A

DISCUSSION

This is a no cost change that moves site furnishings from Milestone 1 and 2 into a new Milestone 2A.

An RFI was received August 23, 2017 and resolved September 22, 2017 regarding a change to the arm rests of the custom radius bench as listed in Change Order 01. The site furnishings were ordered and have a long lead time requiring approximately 115 days to procure from the manufacturer. This timeline makes it impossible to have the furnishings installed on the original milestone dates.

The furnishings were ordered on October 2, 2017 and will be installed in the spring of 2018.

This Work Change Directive No. 1 removes Site Furnishings from Milestones 1 and 2 and adds Milestone 2A for Site Furnishings installation by May 31, 2018, with Liquidated Damages of \$100.00 per day for failure to meet Substantial Completion.

ATTACHMENT(S):

- 1. Draft Work Change Directive No. 1

Submitted by:

John W. Glatzmaier

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

October 18, 2017

Date

Nathan Boerboom, Diversion Authority Project
Manager
Concur: October 18, 2017 Non-Concur: _____

Robert Zimmerman, Moorhead City Engineer
Concur: October 18, 2017 Non-Concur _____

Mark Bittner, Fargo Director of Engineering
Concur: October 19, 2017 Non-Concur: _____

Jason Benson, Cass County Engineer
Concur: October 18, 2017 Non-Concur _____

David Overbo, Clay County Engineer
Concur: October 19, 2017 Non-Concur: _____

Jeff Ebsch, Assistant Cass County Engineer, Diversion
Authority Project Manager
Concur: October 18, 2017 Non-Concur _____

WORK CHANGE DIRECTIVE

01

TO: Hoffman & McNamara Co. PROJECT NO.: WP-42G
 PROJECT: In-Town Levees General Landscape and Plantings
 OWNER: Metro Flood Diversion Authority
 ENGINEER: Houston Moore Group
 OWNER'S REPRESENTATIVE: CH2M

DESCRIPTION OF WORK:

This is a no cost change. The work includes creating Milestone 2A for site furnishings to be installed by May 31, 2018 with Liquidated Damages of \$100.00 per day for failure to meet Substantial Completion. Site furnishing installations listed under Milestones 1 and 2 are removed.

REASON FOR CHANGE(S):

The site furnishings have a long lead time requiring approximately 115 days to procure from the manufacturer. This timeline makes it impossible to have the furnishings installed on the original milestone dates. An RFI was received August 23, 2017 and resolved September 22, 2017 regarding a change to the arm rests of the custom radius bench as listed in Change Order 01. The furnishings were ordered on October 2, 2017 and will be installed in the spring of 2018.

ATTACHMENTS (List Supporting Documents):

1. Email from Pete Hoffman dated October 5, 2017.

DESIGN IMPACT (List Impacts):

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

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

_____ <i>Nichole Schlepp, PLA</i> <i>Architect of Record</i>	_____ <i>Date</i>	_____ <i>[Name]</i> <i>USACE PM</i>	_____ <i>Date</i>
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It is understood that this Work Change Directive will not change the Contract Price or Times, but is evidence that the parties expect a Change Order to be subsequently issued reflecting the changes.

Recommended by:

Ordered by:

_____ <i>Owner's Project Manager</i>	_____ <i>Owner</i>
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_____ <i>Nathan Boerboom</i> <i>Engineer, City of Fargo</i>	_____ <i>Date</i>	_____ <i>Mike Redlinger/Robert Wilson</i> <i>Co-Executive Director</i>	_____ <i>Date</i>
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Copy: Owner
 Designer of Record
 Owner's Representative

From: Pete Hoffman
To: [Chitwood, Peter/FMD](mailto:Peter.Chitwood@ch2m.com)
Cc: [Stacy Johnson](mailto:Stacy.Johnson@srfconsulting.com)
Subject: RE: Milestone 1 [EXTERNAL]
Date: Thursday, October 05, 2017 11:11:48 AM

Hey Peter, That's the timeline for all site furnishings on the project unfortunately.

Thank you,

Pete Hoffman

Project Manager

Hoffman & McNamara Nursery and Landscape

PH: 651-437-9463 | FAX: 651-437-9050 | CELL: 651-246-2744

 *Please consider the environment and print only if necessary.*

From: Chitwood, Peter/FMD [mailto:Peter.Chitwood@ch2m.com]
Sent: Thursday, October 05, 2017 11:03 AM
To: Pete Hoffman <pete.hoffman@hoffmanandmcnamara.com>
Cc: Stacy Johnson <SJohnson@srfconsulting.com>; Nichole Schlepp (nschlepp@srfconsulting.com) <nschlepp@srfconsulting.com>; Kevin LaRue <klarue@srfconsulting.com>
Subject: RE: Milestone 1

Thanks Pete. That's probably the timeline for the custom bench. Is there a potentially shorter timeline for the other items?

Peter

From: Pete Hoffman [mailto:pete.hoffman@hoffmanandmcnamara.com]
Sent: Thursday, October 05, 2017 10:59 AM
To: Chitwood, Peter/FMD <Peter.Chitwood@ch2m.com>
Cc: Stacy Johnson <SJohnson@srfconsulting.com>; Nichole Schlepp (nschlepp@srfconsulting.com) <nschlepp@srfconsulting.com>; Kevin LaRue <klarue@srfconsulting.com>
Subject: RE: Milestone 1 [EXTERNAL]

Peter,

We did complete the downtown and gateway perennial plaza beds as of yesterday, including the bio barrier installation.

We have now officially, as of 10/2, ordered the site furnishings for the project. Lead time is approx. 115 days unfortunately. We hope to install these as soon as we receive in January / February.

Thanks again,

Pete Hoffman

Project Manager

Hoffman & McNamara Nursery and Landscape

PH: 651-437-9463 | FAX: 651-437-9050 | CELL: 651-246-2744

 *Please consider the environment and print only if necessary.*

From: Chitwood, Peter/FMD [<mailto:Peter.Chitwood@ch2m.com>]
Sent: Thursday, October 05, 2017 10:40 AM
To: Pete Hoffman <pete.hoffman@hoffmanandmcnamara.com>
Cc: Stacy Johnson <SJohnson@srfconsulting.com>; Nichole Schlepp (nschlepp@srfconsulting.com) <nschlepp@srfconsulting.com>; Kevin LaRue <klarue@srfconsulting.com>
Subject: Milestone 1

Hi Pete,

Nikki, Nathan, and I have been discussing Milestone 1 which was September 20. There are two things on there that were missed, the perennial beds that required landscape fabric, and the site furnishings south of Main Ave. The perennial beds due to the delay of obtaining fabric are not a problem. For the site furnishings, I know the Custom Radius Bench RFI affected your Sitedscapes order which includes the two straight benches and trash receptacle included in Milestone 1. We would like to work with you to get a better idea of when you are likely to receive them and could have them installed. Are they on track for Milestone 2, October 20?

Thanks,
Peter

Peter Chitwood
Project Manager
M 509 386 7518

CH2M
64 4th Street North, Suite 300
Fargo, ND 58103
www.ch2m.com | [LinkedIn](#) | [Twitter](#) | [Facebook](#)

Technical Advisory Group Recommendation

Meeting Date: 10/19/2017

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adapted by the DA on Nov 10, 2016, the PMC or EOR is directed to prepare Work Change Directives (WCDs) and submit them to TAG for review. If the WCD changes the contract price, TAG shall submit it to the Co-Executive Directors for review, and then to Finance Committee and the DA board for approval. But, if swift action is needed due to public safety concerns or to mitigate costs to the public and/or the Diversion Authority (Section 5.A), the Co-Executive Directors can act pursuant to the authority set forth in the approved procedures and make a good faith effort to contact the Diversion Authority Board Chair and the Finance Committee Chair prior to authorizing a contractor to proceed.

The PMC and EOR recommend the Co-Executive Directors approve this WCD as soon as possible to mitigate cost and schedule impacts to the project.

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

Description	Budget Estimate (\$)
WP-43CD: Meyer Contracting, Inc. <i>Work Change Directive No. 02</i>	\$71,000
<ul style="list-style-type: none"> Add removal of unsuitable material (organic matter) from north pond borrow site 	

Summary of Contracting History and Current Contract Action:

The MFDA awarded the WP-43CD (OHV Ring Levee – Phases C and D) construction contract to Meyer Contracting, Inc. on July 13, 2017.

The following change items have been identified, and due to schedule considerations, an approval of WCD-02 is requested prior to the next MFDA board meeting.

Estimated quantities, agreed to unit prices, and cost proposals have been obtained, but final quantities and costs won’t be known until the work is completed. The total cost of the work in WCD-02 is estimated to be approximately \$71,000. Once the final costs are established, this WCD will be incorporated into a future change order.

Below is a summary of contracting history to date along with the current contracting action.

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	\$0.00	\$10,339,476.21		09-Aug-17	31-Oct-18	Contract Award to Meyer Consulting, Inc.
Work Change Directive No. 1	\$285,000		\$10,624,476.21	09-Aug-17	31-Oct-18	Add: removal of unsuitable material, additional traffic control, additional excavation, and water line casing and carrier pipe. Final amount to be

Original Agreement or Amendment	Budget (\$) Change	Original Project Cost	Revised Project Cost	Project Start	Project Completion	Comments
						incorporated into a future change order.
Work Change Directive No. 2	\$71,000		\$10,695,476.21	09-Aug-17	31-Oct-18	Add: removal of unsuitable material from the north pond borrow site.

Financial Considerations:

Attached for your review and action is WCD-02. This WCD includes:

1. Remove unsuitable material (organic matter) from north pond borrow area.
 - a. Remove of unsuitable soil material containing remnant organic material in the north pond borrow site, and place in the spoil area of the golf course rough grade.
 - i. The estimated quantity of unsuitable material to be removed from the north pond borrow site is 14,875 CY.
 - ii. The proposed unit price is \$4.75/CY.
 1. This proposed unit price is less than the \$5.50/CY Bid Price for Excavation – Common (North Pond) but higher than the agreed to \$4.00/CY unit price for removal of unsuitable material under the footprint of the levee (WCD-01).
 - a. The higher unit price for this unsuitable material is primarily due to the longer haul distance from the north pond to the golf course spoil area, which is next to the levee.
 - b. If this unsuitable material were hauled off-site, it is estimated the cost would double.
 - iii. The estimated cost of this work is approximately \$71,000.00.
 - iv. Removal of unsuitable material is required for completion of the north pond construction.
 - b. The completion of this work is time sensitive. The haul route to the spoil location crosses Hwy 81. Hwy 81 is scheduled to be paved next week, October 25 and 26. This work needs to be completed prior to paving Hwy 81 to avoid potential damage to the new pavement.
 - i. For this reason, if TAG concurs, the PMC and EOR recommend that the Co-Executive Directors approve this WCD as soon as possible and inform the Chairs of the MFDA Board and Finance Committee of the action.

The PMC and the EOR have reviewed WCD-02 and feel the proposed costs and level of effort are reasonable. This change amount of approximately \$71,000 is included within the FY-2017 MFDA budget.

ATTACHMENT(S):

- 1. Draft WCD-01

Submitted by:

John W. Glatzmaier

John Glatzmaier
CH2M
Metro Flood Diversion Project

October 19, 2017

Date

Nathan Boerboom, Diversion Authority Project
Manager

Concur: October 19, 2017 Non-Concur: _____

Robert Zimmerman, Moorhead City Engineer

Concur: October 18, 2017 Non-Concur _____

Mark Bittner, Fargo Director of Engineering

Concur: October 19, 2017 Non-Concur: _____

Jason Benson, Cass County Engineer

Concur: October 18, 2017 Non-Concur _____

David Overbo, Clay County Engineer

Concur: October 18, 2017 Non-Concur: _____

Jeff Ebsch, Assistant Cass County Engineer, Diversion
Authority Project Manager

Concur: October 18, 2017 Non-Concur _____

Submitted by: Co-Executive Directors

Michael J. Redlinger
Fargo Assistant City Administrator

Concur: October 19, 2017 Non-Concur: _____

Date

Robert W. Wilson
Cass County Administrator

Concur: _____ Non-Concur _____



WORK CHANGE DIRECTIVE

02

TO: Meyer Contracting PROJECT NO.: WP-43CD
PROJECT: OHB Ring Levee – Phases C and D (Levee, Pump Station, Road and Utility Improvements)
OWNER: Metro Flood Diversion Authority
ENGINEER: Houston-Moore Group
OWNER’S REPRESENTATIVE: CH2M

DESCRIPTION OF WORK:

The work includes:

1 – Removal of unsuitable soil material found in the north pond borrow site. Material contains remnant trees, roots, root balls, and stumps left from the 43.D.3.a contract from 2015 that removed only the upper parts of the trees. This material is not suitable for levee embankment nor structural backfill. Meyer would haul and place this unsuitable material in the golf course spoil area between levee Station C15+00 to Station C30+00. Work will be done on a unit price basis for the surveyed quantity of 14,875 cubic yards.

REASON FOR CHANGE(S):

1. Remnant trees, roots, root balls, and stumps were left from the 43.D.3.a contract from 2015 that removed only the upper (above ground) parts of the trees.

ATTACHMENTS (List Supporting Documents):

1. Meyer Contracting October 18, 2017 Bid Proposal for work (1 page)

DESIGN IMPACT (List Impacts):

Is the described change outside of the design parameters? [] Yes / [X] No

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

Christopher Gross P.E. Date [Name] USACE PM Date
Designer of Record

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

Recommended by: Ordered by:
Owner’s Representative Owner

Nathan Boerboom Date Michael J. Redlinger/Robert W. Wilson Date
Engineer, City of Fargo Co-Executive Director

Copy: Owner
Designer of Record
USACE
Owner’s Representative



October 18, 2017

Christopher M Gross, PE, CFM
moore engineering, inc.
925 10th Avenue East
West Fargo, ND 58078

Subject: Oxbow-Hickson-Bakke Ring Levee-Phases C and D; Work Package 43CD
Hauling of Additional Borrow Pit Stripping Stockpile

Dear Mr. Gross,

Based on our agreed survey, there was 14,875 CY of borrow pit excavation & stockpiling of unsuitable material from the North Pond. Per our discussion today, we propose to load and haul this material to levee station C15+00 to C30+00 for a price of \$4.75 per cubic yard.

Additionally, the previously sent time & materials cost summarization for the initial stockpiling of the additional borrow pit stripping will be re-submitted for your review & approval.

Lastly, please note that we will be requesting additional days of contract time for this once the time impact can be determined.

Thank you.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Jeremy Gibbs', is written over a light blue horizontal line.

Jeremy Gibbs
Meyer Contracting, Inc.

Technical Advisory Group Recommendation

Meeting Date: 10/19/2017

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures, Section 5.C(2), that were adopted by the Diversion Authority on November 10, 2016, the Owner’s Program Management Consultant (PMC) or Engineer of Record (EOR) shall submit a construction Change Order request to the Technical Advisory Group. The Technical Advisory Group shall review the Change Order request during its next regular meeting after receiving the Change Order request, and make a recommendation as to approval or denial of the Change Order request.

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

Description	Budget Estimate (\$)
WP-42F.1S: Industrial Builders Inc.	
<i>2nd Street North (South of Pump Station) - Change Order #18</i>	<i>\$(147,981.32)</i>
<ul style="list-style-type: none"> • Generator connection wire quantity modification • 1st Ave N fiber optic wire and conduit addition • Unit price quantity balancing • Final Completion time extension 	

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	0.00	0.00	16,184,905.85	08-Oct-15	15-Jun-17	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	16,184,905.85	0.00	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	16,184,905.85	169,490.20	16,354,396.05	08-Oct-15	15-Jul-17	Incorporates Work revisions to allow work around utility lines
Change Order No. 3	16,354,396.05	96,806.17	16,451,202.22	08-Oct-15	15-Jul-17	Water main, traffic poles, traffic control plan, Milestone A scope
Change Order No. 4	16,451,202.22	6,985.96	16,458,188.18	08-Oct-15	15-Jul-17	Bridge Lighting, concrete disposal, winter traffic control, extend 4 th St signal mods requirement
Change Order No. 5	16,458,188.18	68,743.01	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

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
						signals, bridge abutment concrete disposal and floodwall connections.
Change Order No. 6	16,526,931.19	89,243.21	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	16,616,174.40	16,378.55	16,632,552.95	08-Oct-15	22-Jul-17	Tee Manhole Addition, SS-10 Manhole Revision
Change Order No. 8	16,632,552.95	257,901.37	16,890,454.32	08-Oct-15	22-Jul-17	Differing Subsurface Conditions, floating castings
Change Order No. 9	16,890,454.32	(55,349.74)	16,835,104.58	08-Oct-15	22-Jul-17	Differing Subsurface Condition, Wall Penetrations, CenturyLink Concrete Removal, Furnish and Install Signal Light Pull Boxes, City Hall Construction Accommodation and Misc. Items
Change Order No. 10	16,835,104.58	32,505.68	16,867,610.26	08-Oct-15	22-Jul-17	Disposal of 2B Vault, Differing Subsurface Conditions – Silo Disposal in Case Plaza, and Floodwall Cap Modification
Change Order No. 11	16,867,610.26	52,242.85	16,919,853.11	08-Oct-15	22-Jul-17	Differing Subsurface Conditions July Removals, Repair Storm Manholes, Contaminated Soils Removal, Storm Structure ST-8 Cover, Impressioned Concrete Modifications, Administrative – Accounting Change, Administrative – Owner’s Rep and Engineer Roles and Responsibilities Change
Change Order No. 12	16,919,853.11	85,411.36	17,004,753.35	08-Oct-15	22-Jul-17	Differing Subsurface Conditions, Repair Storm Manholes
Change Order No. 13	17,004,735.35	75,899.63	17,080,652.98	08-Oct-15	22-Jul-17	Utility Vault Adjustment, 1 st Ave N Bridge Spall Removal, 42A2 Pump Station Elevation Discrepancy, Flared End Section Riprap, Case Plaza Parking Lot
Change Order No. 14	17,080,652.98	81,306.44	17,154,700.72	08-Oct-15	22-Jul-17	Streetlight Modifications, City of Fargo Library Landscaping, Epoxy Paint, Differing Site Conditions, 3 rd Street Lighting Modifications, 1 st Ave Plaza Bench Modifications, and Topsoil Import
Change Order No. 15	17,154,700.72	(416,726.77)	16,737,973.95	08-Oct-15	22-Jul-17	WP42A2 Gate Transfer; Quantity Balancing and Differing Subsurface Conditions
Change Order No. 16	16,737,490.08	101,473.05	16,838,963.13	08-Oct-15	14-Nov-17	Diesel Generator Modifications, Landscaping, Case Plaza Parking Lot Striping, and Balance Quantities of Unit Rate Items

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
Change Order No. 17	16,838,963.13	7,053.34	16,846,016.47	08-Oct-15	14-Nov-17	Add lump sum bid item 0266 Sidewalk Drain (includes pavement removal, installation of area drain, tying the drain into the storm sewer and repaving the area).
Change Order No. 18	16,846,016.47	(147,981.32)	16,698,035.15	08-Oct-15	01-Dec-17	Modify Generator connection wire and unit price quantities, add COF fiber optic line and conduit, and extend contract time.

DISCUSSION

Change Order No. 18 modifies the Generator connection wire and unit price quantities, adds COF fiber optic line and conduit, and extends the Final Completion contract time. These changes result in a Contract Price decrease of \$147,981.32 and a 17 day extension of Contract Time. The Change Order consists of the following items:

1. Modify Generator connection wire quantity: The installed quantity of wire conductors for the diesel generator was less than plan, resulting in a \$30,876.00 decrease in the lump sum price for the generator.
 - a. Bid Item 0265, Diesel Generator Connection from Proposed Generator Location to WP42A2 Pump Station: Decrease the quantity 1 LS at the Contract Unit Price of \$337,950.78 for a price decrease of \$337,950.78.
 - b. ADD Bid Item 0265A, CO-18 Diesel Generator Connection from Proposed Generator Location to WP42A2 Pump Station: Add the quantity 1 LS at the Contract Unit Price of \$307,074.78 for a price increase of \$307,074.78.
2. Add Fiber Optic Wire and Conduit: The City of Fargo requested the installation of fiber optic wire and conduit along 1st Ave. N between 2nd St. N and 4th St. N.
 - a. ADD Bid Item 0267, 1st Avenue North Fiber Optic Wire and Conduit: Add the quantity 1 LS at the Contract Unit Price of \$46,488.20 for a price increase of \$46,488.20.
 - b. Due to the order, delivery, and installation time for this item, the Final Completion date for the project is extended 17 days, from November 14, 2017 to December 1, 2017.
3. Balance Unit Price Quantities: Installed quantities for unit price Bid Items were verified by the Engineer, resulting in the following quantity and price changes:
 - a. Bid Item 0106, Subgrade Preparation: Increase the quantity 315 SY at the Contract Unit Price of \$0.70 for a price increase of \$220.50.
 - b. Bid Item 0107, F&I Woven Geotextile: Increase the quantity 315 SY at the Contract Unit Price of \$2.00 for a price increase of \$630.00.
 - c. Bid Item 0110, F&I class 5 Agg – 12” Thick: Increase the quantity 374 SY at the Contract Unit Price of \$14.00 for a price increase of \$5,236.00.
 - d. Bid Item 0125, F&I Det Warn Panels Cast Iron: Increase the quantity 48 SF at the Contract Unit Price of \$62.00 for a price increase of \$2,976.00.
 - e. Bid Item 0140, Obliterate Pavement Markings: Increase the quantity 1 SY at the Contract Unit Price of \$8.40 for a price increase of \$8.40.

- f. Bid Item 0201, Mulching Type 1 - Hydro: Decrease the quantity 6,467 SY at the Contract Unit Price of \$0.42 for a price decrease of \$2,716.14.
- g. Bid Item 0202, Seeding Type B: Decrease the quantity 8,590 SY at the Contract Unit Price of \$0.42 for a price decrease of \$3,607.80.
- h. Bid Item 0203, Overseeding: Decrease the quantity 20,394.5 SY at the Contract Unit Price of \$0.11 for a price decrease of \$2,243.39.
- i. Bid Item 0204, Weed Control Type B: Decrease the quantity 20,439 SY at the Contract Unit Price of \$0.07 for a price decrease of \$1,430.73.
- j. Bid Item 0214, Incentive: Decrease the quantity 1 LS at the Contract Unit Price of \$150,000.00 for a price decrease of \$150,000.00.
- k. Bid Item 0245, F&I Impressioned 6" Thick Reinf Conc: Increase the quantity 10 SY at the Contract Unit Price of \$252.00 for a price increase of \$2,520.00.
- l. Bid Item 0252, Paint Line 4" Wide: Increase the quantity 28 LF at the Contract Unit Price of \$2.07 for a price increase of \$57.96.
- m. Bid Item 0261, Topsoil Import Loose Volume: Decrease the quantity 698 CY at the Contract Unit Price of \$21.84 for a price decrease of \$15,244.32.

The PMC has reviewed CO-18 and feel the proposed costs and level of effort are reasonable.

ATTACHMENT(S):

- 1. Draft Change Order 18
- 2. Change Order 18 Unit Price Schedule and back-up information
- 3. Change Order 18 Plan Sheets

Submitted by:

John W. Glatzmaier

John Glatzmaier
CH2M
Metro Flood Diversion Project

October 19, 2017
Date

Nathan Boerboom, Diversion Authority Project
Manager

Concur: October 19, 2017 Non-Concur: _____

Robert Zimmerman, Moorhead City Engineer

Concur: October 19, 2017 Non-Concur _____

Mark Bittner, Fargo Director of Engineering

Concur: October 19, 2017 Non-Concur: _____

Jason Benson, Cass County Engineer

Concur: October 19, 2017 Non-Concur _____

David Overbo, Clay County Engineer

Concur: October 19, 2017 Non-Concur: _____

Jeff Ebsch, Assistant Cass County Engineer, Diversion
Authority Project Manager

Concur: October 19, 2017 Non-Concur _____



Change Order No. 18

Date of Issuance:	<u>10/26/2017</u>	Effective Date:	<u>10/26/2017</u>
Owner:	<u>Metro Flood Diversion Authority</u>	Owner's Contract No.:	<u>WP-42F.1S</u>
Owner's Representative:	<u>CH2M HILL Engineers, Inc.</u>	Owner's Representative Project No.:	<u>435534</u>
Contractor:	<u>Industrial Builders, Inc.</u>	Contractor's Project No.:	<u></u>
Engineer:	<u>Houston-Moore Group, LLC</u>	Work Package No.:	<u>WP-42F.1S</u>

Project: Fargo-Moorhead Area Diversion Contract Name: Flood Control, 2nd Street North, South of Pump Station

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

Description:

1. Generator Connection Adjustments
 - a. Reduce lump sum bid item *0265 Diesel Generator Connection from Proposed Generator Location to WP42A2 Pump Station* from \$337,950.78 to \$0.00 and add lump sum bid item *0265A CO-18 Diesel Generator Connection from Proposed Generator Location to WP42A2 Pump Station* for \$307,074.78 to accommodate the reduction of wires needed for the generator connection. The attached Change Order Unit Price Schedule dated 10/13/2017 shows the adjustments for this change item. There is no schedule change associated with this change item.
2. 1st Avenue North Fiber Optic Wire and Conduit
 - a. Add lump sum bid item *0267 1st Avenue North Fiber Optic Wire and Conduit* for \$46,488.20 to accommodate the installation of fiber optic wire and conduit around the project site for traffic signals as requested by the City of Fargo along 1st Avenue North between 2nd Street North and 4th Street North. The attached Change Order Unit Price Schedule dated 10/13/2017 shows the additional bid item. The attached Change Order Plan Sheets dated 9/13/2017 shows the fiber optic wire and conduit to be installed. There is a schedule change with an increase of 17 calendar days associated with this change item.
3. Quantity Balancing
 - a. Adjust multiple project bid items to equalize each item to the quantity as needed in the field. The attached Change Order Unit Price Schedule dated 10/13/2017 shows the adjusted bid items. There is no schedule change associated with this change item.

Attachments:

Change Order 18 Unit Price Schedule Dated 10/13/2017
 Change Order 18 Plan Sheets Dated 9/13/2017

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: 16,184,905.85	Original Contract Times: Interim Milestone A: <u>November 30, 2015</u> Substantial Completion: <u>October 1, 2016</u> Ready for Final Payment: <u>June 15, 2017</u>
[Increase] [Decrease] from previously approved Change Orders No. <u>01</u> thru <u>17</u> : 661,110.62	[Increase] [Decrease] from previously approved Change Orders No. <u>01</u> : Interim Milestone A: Substantial Completion: Ready for Final Payment:
Contract Price prior to this Change Order: 16,846,016.47	Contract Times prior to this Change Order: Interim Milestone A: <u>December 30, 2015</u> Substantial Completion: <u>November 7, 2016</u> Ready for Final Payment: <u>November 14, 2017</u>
[Increase] [Decrease] of this Change Order: 147,981.32	[Increase] [Decrease] of this Change Order: Ready for Final Payment: <u>December 1, 2017</u>
Contract Price incorporating this Change Order: 16,698,035.15	Contract Times with all approved Change Orders: Interim Milestone A: <u>December 30, 2015</u> Substantial Completion: <u>November 7, 2016</u> Ready for Final Payment: <u>December 1, 2017</u>

RECOMMENDED: By: _____ Owner's Representative (Authorized Signature) Name: <u>Nathan Boerboom</u> Title: <u>Project Manager</u> Date: _____	ACCEPTED: By: _____ Owner (Authorized Signature) Name: <u>Michael J. Redlinger</u> Title: <u>Co-Executive Director</u> Date: _____	ACCEPTED: By: _____ Contractor (Authorized Signature) Name: <u>David Goulet</u> Title: <u>Project Manager</u> Date: _____
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WP-42F.15
2nd Street/Downtown Area - In-Town Levees

Change Order 18 Unit Price Schedule
 DATE: 10/19/2017



WP-42F.15 - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0001	Remove Sanitary Manhole	EA	15	2,000.00	\$ 30,000.00			\$ -	15	2,000.00	\$ 30,000.00
0002	Remove Sanitary Lift Station	LS	1	23,000.00	\$ 23,000.00			\$ -	1	23,000.00	\$ 23,000.00
0003	Remove 10x10 Clay Filled Regulator Pit	EA	1	16,000.00	\$ 16,000.00			\$ -	1	16,000.00	\$ 16,000.00
0004	Remove 12x10 Sanitary Junction Vault	EA	1	14,000.00	\$ 14,000.00			\$ -	1	14,000.00	\$ 14,000.00
0005	F&I Sanitary Manhole 4' Dia Reinf Conc	EA	11	5,800.00	\$ 63,800.00			\$ -	11	5,800.00	\$ 63,800.00
0006	F&I Sanitary Manhole w/Ext Drop 4' Dia Reinf Conc	EA	3	7,100.00	\$ 21,300.00			\$ -	3	7,100.00	\$ 21,300.00
0007	F&I Sanitary Manhole SS-1	EA	1	27,000.00	\$ 27,000.00			\$ -	1	27,000.00	\$ 27,000.00
0008	F&I Sanitary Manhole SS-8	EA	1	18,000.00	\$ 18,000.00			\$ -	1	18,000.00	\$ 18,000.00
0009	F&I Sanitary Manhole Type E Reinf Conc	EA	3	25,500.00	\$ 76,500.00			\$ -	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	1658	20.00	\$ 33,160.00			\$ -	1658	20.00	\$ 33,160.00
0014	F&I Sanitary Pipe Sch 40 - 4" Dia PVC	LF	21	200.00	\$ 4,200.00			\$ -	21	200.00	\$ 4,200.00
0015	F&I Sanitary Pipe SDR 26 - 6" Dia PVC	LF	18	120.00	\$ 2,160.00			\$ -	18	120.00	\$ 2,160.00
0016	F&I Sanitary Pipe SDR 26 - 12" Dia PVC	LF	204	206.00	\$ 42,024.00			\$ -	204	206.00	\$ 42,024.00
0017	F&I Sanitary Pipe SDR 26 - 18" Dia PVC	LF	251	180.00	\$ 45,180.00			\$ -	251	180.00	\$ 45,180.00
0018	F&I Sanitary Pipe SDR 26 - 36" Dia PVC	LF	38	350.00	\$ 13,300.00			\$ -	38	350.00	\$ 13,300.00
0019	F&I Sanitary Pipe w/GB Sch 40 - 4" Dia PVC	LF	38	275.00	\$ 10,450.00			\$ -	38	275.00	\$ 10,450.00
0020	F&I Sanitary Pipe w/GB SDR 26 - 6" Dia PVC	LF	22	261.00	\$ 5,742.00			\$ -	22	261.00	\$ 5,742.00
0021	F&I Sanitary Pipe w/GB SDR 26 - 12" Dia PVC	LF	881	470.00	\$ 414,070.00			\$ -	881	470.00	\$ 414,070.00
0022	F&I Sanitary Pipe w/GB SDR 35 - 12" Dia PVC	LF	49	300.00	\$ 14,700.00			\$ -	49	300.00	\$ 14,700.00

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0023	F&I Sanitary Pipe w/GB SDR 26 - 15" Dia PVC	LF	95	290.00	\$ 27,550.00			\$ -	95	290.00	\$ 27,550.00
0024	F&I Sanitary Pipe w/GB SDR 35 - 15" Dia PVC	LF	6	415.00	\$ 2,490.00			\$ -	6	415.00	\$ 2,490.00
0025	F&I Sanitary Pipe w/GB SDR 26 - 18" Dia PVC	LF	430	420.00	\$ 180,600.00			\$ -	430	420.00	\$ 180,600.00
0026	F&I Sanitary Pipe w/GB SDR 26 - 36" Dia PVC	LF	30	810.00	\$ 24,300.00			\$ -	30	810.00	\$ 24,300.00
0027	F&I DI Fittings-Sanitary Force Main	LB	11965	7.00	\$ 83,755.00			\$ -	11965	7.00	\$ 83,755.00
0028	F&I Sanitary Valve 8" Dia-Plug Valve	EA	1	4,300.00	\$ 4,300.00			\$ -	1	4,300.00	\$ 4,300.00
0029	F&I Sanitary Valve 16" Dia-Plug Valve	EA	1	9,000.00	\$ 9,000.00			\$ -	1	9,000.00	\$ 9,000.00
0030	F&I Sanitary Valve 24" Dia-Plug Valve	EA	1	27,000.00	\$ 27,000.00			\$ -	1	27,000.00	\$ 27,000.00
0031	F&I Sanitary Valve 30" Dia-Plug Valve	EA	1	41,000.00	\$ 41,000.00			\$ -	1	41,000.00	\$ 41,000.00
0032	F&I Pipe w/GB Class 53-8" Dia DIP (Protecto 401)	LF	10	355.00	\$ 3,550.00			\$ -	10	355.00	\$ 3,550.00
0033	F&I Sanitary Pipe w/GB DR 25 - 16" Dia PVC	LF	310	330.00	\$ 102,300.00			\$ -	310	330.00	\$ 102,300.00
0034	F&I Sanitary Pipe w/GB DR 25 - 24" Dia PVC	LF	125	500.00	\$ 62,500.00			\$ -	125	500.00	\$ 62,500.00
0035	F&I Sanitary Pipe w/GB DR 25 - 30" Dia PVC	LF	795	400.00	\$ 318,000.00			\$ -	795	400.00	\$ 318,000.00
0036	Remove Sanitary Pipe All Sizes All Types	LF	2249	\$ 15.00	\$ 33,735.00			\$ -	2249	\$ 15.00	\$ 33,735.00
0037	Plug Sanitary Pipe 10" Diameter	EA	4	\$ 1,150.00	\$ 4,600.00			\$ -	4	\$ 1,150.00	\$ 4,600.00
0038	Plug Sanitary Pipe 12" Diameter	EA	6	\$ 1,270.00	\$ 7,620.00			\$ -	6	\$ 1,270.00	\$ 7,620.00
0039	Plug Sanitary Pipe 16" Diameter	EA	1	\$ 1,465.00	\$ 1,465.00			\$ -	1	\$ 1,465.00	\$ 1,465.00
0040	Plug Sanitary Pipe 18" Diameter	EA	1	\$ 1,660.00	\$ 1,660.00			\$ -	1	\$ 1,660.00	\$ 1,660.00
0041	Abandon Sanitary Manhole	EA	2	\$ 2,000.00	\$ 4,000.00			\$ -	2	\$ 2,000.00	\$ 4,000.00
0042	F&I Emergency Overflow Manhole Equipment	LS	0.618092	\$ 15,200.00	\$ 9,395.00			\$ -	0.618092	\$ 15,200.00	\$ 9,395.00
0043	F&I 5" Hydrant	EA	5	\$ 4,600.00	\$ 23,000.00			\$ -	5	\$ 4,600.00	\$ 23,000.00
0044	Remove Hydrant	EA	4	\$ 1,000.00	\$ 4,000.00			\$ -	4	\$ 1,000.00	\$ 4,000.00
0045	F&I Insulation 4" Thick	SY	26	\$ 72.00	\$ 1,872.00			\$ -	26	\$ 72.00	\$ 1,872.00
0046	Connect Water Service	EA	1	\$ 900.00	\$ 900.00			\$ -	1	\$ 900.00	\$ 900.00
0047	F&I Watermain Pipe C900 DR 18 - 4" Dia PVC	LF	21	\$ 70.00	\$ 1,470.00			\$ -	21	\$ 70.00	\$ 1,470.00

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0048	F&I Watermain Pipe C900 DR 18 - 6" Dia PVC	LF	89	\$ 55.00	\$ 4,895.00			\$ -	89	\$ 55.00	\$ 4,895.00
0049	F&I Watermain Pipe C900 DR 18 - 8" Dia PVC	LF	214	\$ 44.00	\$ 9,416.00			\$ -	214	\$ 44.00	\$ 9,416.00
0050	F&I Watermain Pipe w/GB C900 DR 18 - 6" Dia PVC	LF	20	\$ 183.00	\$ 3,660.00			\$ -	20	\$ 183.00	\$ 3,660.00
0051	F&I Watermain Pipe w/GB C900 DR 18 - 8" Dia PVC	LF	291	\$ 185.00	\$ 53,835.00			\$ -	291	\$ 185.00	\$ 53,835.00
0052	F&I Gate Valve 4" Dia	EA	1	\$ 1,350.00	\$ 1,350.00			\$ -	1	\$ 1,350.00	\$ 1,350.00
0053	F&I Gate Valve 6" Dia	EA	9	\$ 1,750.00	\$ 15,750.00			\$ -	9	\$ 1,750.00	\$ 15,750.00
0054	F&I Gate Valve 8" Dia	EA	2	\$ 2,370.00	\$ 4,740.00			\$ -	2	\$ 2,370.00	\$ 4,740.00
0055	F&I Watermain Pipe 1" Dia Copper	LF	3	\$ 75.00	\$ 225.00			\$ -	3	\$ 75.00	\$ 225.00
0056	F&I Watermain Pipe w/GB 1" Dia Copper	LF	64	\$ 180.00	\$ 11,520.00			\$ -	64	\$ 180.00	\$ 11,520.00
0057	Remove Watermain Pipe All Sizes All Types	LF	1765	\$ 17.00	\$ 30,005.00			\$ -	1765	\$ 17.00	\$ 30,005.00
0058	Temporary Water Service (Howard Johnson Hotel)	LS	0	\$ 28,000.00	\$ -			\$ -	0	\$ 28,000.00	\$ -
0059	Plug Watermain Pipe 6" Dia	EA	4	\$ 900.00	\$ 3,600.00			\$ -	4	\$ 900.00	\$ 3,600.00
0060	F&I Watermain Fittings Ductile Iron	LBS	6275	\$ 8.51	\$ 53,400.25			\$ -	6275	\$ 8.51	\$ 53,400.25
0061	F&I Storm Manhole 4' Dia Reinf Conc	EA	5	\$ 2,675.00	\$ 13,375.00			\$ -	5	\$ 2,675.00	\$ 13,375.00
0062	F&I Storm Manhole 7' Dia Reinf Conc	EA	3	\$ 15,300.00	\$ 45,900.00			\$ -	3	\$ 15,300.00	\$ 45,900.00
0063	F&I Storm Manhole 8.1	EA	1	\$ 22,000.00	\$ 22,000.00			\$ -	1	\$ 22,000.00	\$ 22,000.00
0064	F&I Storm Manhole 8' Dia Reinf Conc	EA	3	\$ 16,700.00	\$ 50,100.00			\$ -	3	\$ 16,700.00	\$ 50,100.00
0065	F&I Storm Manhole Type E Reinf Conc	EA	8	\$ 54,000.00	\$ 432,000.00			\$ -	8	\$ 54,000.00	\$ 432,000.00
0066	F&I Storm Manhole ST-2 Special Manhole	EA	1	\$ 2,465.00	\$ 2,465.00			\$ -	1	\$ 2,465.00	\$ 2,465.00
0067	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	4	\$ 2,365.00	\$ 9,460.00			\$ -	4	\$ 2,365.00	\$ 9,460.00
0068	F&I Inlet - Manhole (MHI) 6' Dia Reinf Conc	EA	1	\$ 4,000.00	\$ 4,000.00			\$ -	1	\$ 4,000.00	\$ 4,000.00
0069	Raise Storm Sewer Structure	EA	2	\$ 3,530.00	\$ 7,060.00			\$ -	2	\$ 3,530.00	\$ 7,060.00
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

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
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	3	\$ 1,600.00	\$ 4,800.00			\$ -	3	\$ 1,600.00	\$ 4,800.00
0084	Plug Storm Pipe 14" thru 24" Dia	EA	4	\$ 1,980.00	\$ 7,920.00			\$ -	4	\$ 1,980.00	\$ 7,920.00
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
0094	F&I Storm Pipe w/GB 12" Dia Reinf Conc	LF	42	\$ 190.00	\$ 7,980.00			\$ -	42	\$ 190.00	\$ 7,980.00
0095	F&I Storm Pipe w/GB 15" Dia Reinf Conc	LF	74	\$ 190.00	\$ 14,060.00			\$ -	74	\$ 190.00	\$ 14,060.00
0096	F&I Storm Pipe w/GB 18" Dia Reinf Conc	LF	167	\$ 192.00	\$ 32,064.00			\$ -	167	\$ 192.00	\$ 32,064.00
0097	F&I Storm Pipe w/GB 24" Dia Reinf Conc	LF	334	\$ 204.00	\$ 68,136.00			\$ -	334	\$ 204.00	\$ 68,136.00

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
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	25285	\$ 5.00	\$ 126,425.00			\$ -	25285	\$ 5.00	\$ 126,425.00
0103	Remove Sidewalk All Thicknesses All Types	SY	5785	\$ 4.00	\$ 23,140.00			\$ -	5785	\$ 4.00	\$ 23,140.00
0104	Excavation (Roadway)	CY	906	\$ 4.00	\$ 3,624.00			\$ -	906	\$ 4.00	\$ 3,624.00
0105	Fill - Import (Roadway)	CY	9910	\$ 15.00	\$ 148,650.00			\$ -	9910	\$ 15.00	\$ 148,650.00
0106	Subgrade Preparation	SY	11651	\$ 0.70	\$ 8,155.70	315	\$ 0.70	\$ 220.50	11966	\$ 0.70	\$ 8,376.20
0107	F&I Woven Geotextile	SY	11651	\$ 2.00	\$ 23,302.00	315	\$ 2.00	\$ 630.00	11966	\$ 2.00	\$ 23,932.00
0108	F&I Class 5 Agg - 6" Thick	SY	3200	\$ 10.00	\$ 32,000.00			\$ -	3200	\$ 10.00	\$ 32,000.00
0109	F&I Class 5 Agg - 8" Thick	SY	0	\$ 11.00	\$ -			\$ -	0	\$ 11.00	\$ -
0110	F&I Class 5 Agg - 12" Thick	SY	8391	\$ 14.00	\$ 117,474.00	374	\$ 14.00	\$ 5,236.00	8765	\$ 14.00	\$ 122,710.00
0111	F&I Edge Drain 4" Dia PVC	LF	3174	\$ 11.00	\$ 34,914.00			\$ -	3174	\$ 11.00	\$ 34,914.00
0112	F&I Curb & Gutter Standard (Type II)	LF	4196	\$ 36.00	\$ 151,056.00			\$ -	4196	\$ 36.00	\$ 151,056.00
0113	Remove Curb & Gutter	LF	4829	\$ 5.00	\$ 24,145.00			\$ -	4829	\$ 5.00	\$ 24,145.00
0114	F&I Pavement 9" Thick Doweled Conc	SY	7598	\$ 98.00	\$ 744,604.00			\$ -	7598	\$ 98.00	\$ 744,604.00
0115	F&I Crushed Conc - 6" Thick	SY	770	\$ 12.00	\$ 9,240.00			\$ -	770	\$ 12.00	\$ 9,240.00
0116	F&I Aggregate for Asph Pavement FAA 43	TON	1246	\$ 83.00	\$ 103,418.00			\$ -	1246	\$ 83.00	\$ 103,418.00
0117	F&I Asphalt Cement PG 58-28	GAL	13619	\$ 2.50	\$ 34,047.50			\$ -	13619	\$ 2.50	\$ 34,047.50
0118	F&I Asphalt Cement PG 58-34	GAL	4297	\$ 3.00	\$ 12,891.00			\$ -	4297	\$ 3.00	\$ 12,891.00
0119	F&I Median Nose - Conc	SY	13	\$ 112.00	\$ 1,456.00			\$ -	13	\$ 112.00	\$ 1,456.00
0120	F&I Sidewalk 4" Thick Reinf Conc	SY	2917	\$ 73.00	\$ 212,941.00			\$ -	2917	\$ 73.00	\$ 212,941.00
0121	F&I Sidewalk 6" Thick Reinf Conc	SY	3082	\$ 85.00	\$ 261,970.00			\$ -	3082	\$ 85.00	\$ 261,970.00
0122	Temp Construction Entrance	EA	1	\$ 3,500.00	\$ 3,500.00			\$ -	1	\$ 3,500.00	\$ 3,500.00

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0123	F&I Impressed 4" Thick Reinf Conc	SY	574	\$ 230.00	\$ 132,020.00			\$ -	574	\$ 230.00	\$ 132,020.00
0124	F&I Driveway 6" Thick Reinf Conc	SY	321	\$ 85.00	\$ 27,285.00			\$ -	321	\$ 85.00	\$ 27,285.00
0125	F&I Det Warn Panels Cast Iron	SF	236	\$ 62.00	\$ 14,632.00	48	\$ 62.00	\$ 2,976.00	284	\$ 62.00	\$ 17,608.00
0126	F&I Sign Assembly	EA	32	\$ 260.00	\$ 8,320.00			\$ -	32	\$ 260.00	\$ 8,320.00
0127	F&I Engineering Grade	SF	78.25	\$ 32.00	\$ 2,504.00			\$ -	78.25	\$ 32.00	\$ 2,504.00
0128	F&I Diamond Grade Cubed	SF	41.5	\$ 80.00	\$ 3,320.00			\$ -	41.50	\$ 80.00	\$ 3,320.00
0129	F&I High Intensity Prismatic	SF	59.25	\$ 74.00	\$ 4,384.50			\$ -	59.25	\$ 74.00	\$ 4,384.50
0130	F&I Flexible Delineator	EA	1	\$ 80.00	\$ 80.00			\$ -	1	\$ 80.00	\$ 80.00
0131	F&I Grooved Plastic Film Message	SF	192	\$ 31.50	\$ 6,048.00			\$ -	192	\$ 31.50	\$ 6,048.00
0132	F&I Grooved Plastic Film 4" Wide	LF	3774	\$ 5.20	\$ 19,624.80			\$ -	3774	\$ 5.20	\$ 19,624.80
0133	F&I Grooved Plastic Film 8" Wide	LF	584	\$ 10.40	\$ 6,073.60			\$ -	584	\$ 10.40	\$ 6,073.60
0134	F&I Grooved Contrast Film 7" Wide	LF	341	\$ 9.40	\$ 3,205.40			\$ -	341	\$ 9.40	\$ 3,205.40
0135	Paint Epoxy Line 4" Wide	LF	312	\$ 8.40	\$ 2,620.80			\$ -	312	\$ 8.40	\$ 2,620.80
0136	F&I Methacrylate 6" Wide	LF	753	\$ 21.00	\$ 15,813.00			\$ -	753	\$ 21.00	\$ 15,813.00
0137	F&I Methacrylate 16" Wide	LF	204.5	\$ 36.00	\$ 7,362.00			\$ -	204.5	\$ 36.00	\$ 7,362.00
0138	F&I Methacrylate 24" Wide	LF	0	\$ 53.00	\$ -			\$ -	0	\$ 53.00	\$ -
0139	Traffic Control - Type 2	LS	1	\$ 175,000.00	\$ 175,000.00			\$ -	1	\$ 175,000.00	\$ 175,000.00
0140	Obliterate Pavement Markings	SF	1107	\$ 8.40	\$ 9,298.80	1	\$ 8.40	\$ 8.40	1108	\$ 8.40	\$ 9,307.20
0141	4" Special Concrete 1	SY	0	\$ 152.00	\$ -			\$ -	0	\$ 152.00	\$ -
0142	4" Special Concrete 3	SY	48	\$ 265.00	\$ 12,720.00			\$ -	48	\$ 265.00	\$ 12,720.00
0143	6" Special Concrete 1	SY	457	\$ 165.00	\$ 75,405.00			\$ -	457	\$ 165.00	\$ 75,405.00
0144	6" Special Concrete 2	SY	150	\$ 265.00	\$ 39,750.00			\$ -	150	\$ 265.00	\$ 39,750.00
0145	Sloped Planter Edge	LF	204	\$ 132.00	\$ 26,928.00			\$ -	204	\$ 132.00	\$ 26,928.00
0146	Rolled Planter Edge	LF	196	\$ 130.00	\$ 25,480.00			\$ -	196	\$ 130.00	\$ 25,480.00
0147	Mobilization	LS	1	\$ 744,700.00	\$ 744,700.00			\$ -	1	\$ 744,700.00	\$ 744,700.00

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0148	Temp Fence - Safety	LF	1546	\$ 6.00	\$ 9,276.00			\$ -	1546	\$ 6.00	\$ 9,276.00
0149	F&I Chain Link Fence	LF	1550	\$ 16.00	\$ 24,800.00			\$ -	1550	\$ 16.00	\$ 24,800.00
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	188	\$ 360.00	\$ 67,680.00			\$ -	188	\$ 360.00	\$ 67,680.00
0154	Silt Fence - Standard	LF	1365	\$ 2.70	\$ 3,685.50			\$ -	1365	\$ 2.70	\$ 3,685.50
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	90	\$ 3.50	\$ 315.00			\$ -	90	\$ 3.50	\$ 315.00
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
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	0	\$ 5,000.00	\$ -			\$ -	0	\$ 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	0	\$ 2,000.00	\$ -			\$ -	0	\$ 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

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0173	Remove Concrete Planter	EA	8	\$ 80.00	\$ 640.00			\$ -	8	\$ 80.00	\$ 640.00
0174	Remove Sidestreet Grill Sign	LS	0	\$ 4,000.00	\$ -			\$ -	0	\$ 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
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	1000	\$ 2.00	\$ 2,000.00			\$ -	1000	\$ 2.00	\$ 2,000.00
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	0	\$ 15.00	\$ -			\$ -	0	\$ 15.00	\$ -

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0198	Excavation	CY	1815	\$ 9.00	\$ 16,335.00			\$ -	1815	\$ 9.00	\$ 16,335.00
0199	Removal of Contaminated Soil	CY	0	\$ 155.00	\$ -			\$ -	0	\$ 155.00	\$ -
0200	Removal of Highly Contaminated Soil	CY	0	\$ 160.00	\$ -			\$ -	0	\$ 160.00	\$ -
0201	Mulching Type 1 - Hydro	SY	20439	\$ 0.42	\$ 8,584.38	(6467)	\$ 0.42	\$ (2,716.14)	13972	\$ 0.42	\$ 5,868.24
0202	Seeding Type B	SY	20439	\$ 0.42	\$ 8,584.38	(8590)	\$ 0.42	\$ (3,607.80)	11849	\$ 0.42	\$ 4,976.58
0203	Overseeding	SY	20439	\$ 0.11	\$ 2,248.29	(20394.5)	\$ 0.11	\$ (2,243.39)	44.5	\$ 0.11	\$ 4.90
0204	Weed Control Type B	SY	20439	\$ 0.07	\$ 1,430.73	(20439)	\$ 0.07	\$ (1,430.73)	0	\$ 0.07	\$ -
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	0	\$ 410,000.00	\$ -			\$ -	0	\$ 410,000.00	\$ -
0211	Generator Foundation Pad	LS	0	\$ 40,000.00	\$ -			\$ -	0	\$ 40,000.00	\$ -
0212	Misc. (fence, etc.)	LS	0	\$ 25,000.00	\$ -			\$ -	0	\$ 25,000.00	\$ -
0213	Health and Safety	LS	1	\$ 20,000.00	\$ 20,000.00			\$ -	1	\$ 20,000.00	\$ 20,000.00
0214	Incentive	LS	1	\$ 150,000.00	\$ 150,000.00	(1)	\$ 150,000.00	\$ (150,000.00)	0	\$ 150,000.00	\$ -
0215	Small Utility Work-Around	LS	1	\$ 169,490.20	\$ 169,490.20			\$ -	1	\$ 169,490.20	\$ 169,490.20
0216	Traffic Control Revisions and Concrete Barriers for Xcel Lines	LS	1	\$ 13,225.02	\$ 13,225.02			\$ -	1	\$ 13,225.02	\$ 13,225.02
0217	F&I Watermain Pipe C900 DR 18 - 10" Dia PVC	LF	792	\$ 52.50	\$ 41,580.00			\$ -	792	\$ 52.50	\$ 41,580.00
0218	F&I Watermain Pipe w/GB C900 DR 18 - 10" Dia PVC	LF	682	\$ 204.20	\$ 139,264.40			\$ -	682	\$ 204.20	\$ 139,264.40
0219	F&I Gate Valve 10" Dia.	EA	4	\$ 4,041.50	\$ 16,166.00			\$ -	4	\$ 4,041.50	\$ 16,166.00
0220	Paint Traffic Signal Poles	EA	9	\$ 4,235.00	\$ 38,115.00			\$ -	9	\$ 4,235.00	\$ 38,115.00
0221	Bridge Lighting	LS	1	\$ 1,815.00	\$ 1,815.00			\$ -	1	\$ 1,815.00	\$ 1,815.00
0222	Excavated Concrete Disposal	LS	1	\$ 1,443.46	\$ 1,443.46			\$ -	1	\$ 1,443.46	\$ 1,443.46

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
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	\$ 340,335.49	\$ 340,335.49			\$ -	1	\$ 340,335.49	\$ 340,335.49
0234	Floating Manhole Castings	LS	1	\$ 28,473.07	\$ 28,473.07			\$ -	1	\$ 28,473.07	\$ 28,473.07
0235	F&I Sanitary Pipe SDR 26 - 8" Dia PVC	LF	11	\$ 150.46	\$ 1,655.06			\$ -	11	\$ 150.46	\$ 1,655.06
0236	F&I Sanitary Pipe w/GB SDR 26 - 8" Dia PVC	LF	30	\$ 392.46	\$ 11,773.80			\$ -	30	\$ 11,773.80	\$ 11,773.80
0237	Remove Parking Attendant Structure	LS	1	\$ 6,615.00	\$ 6,615.00			\$ -	1	\$ 6,615.00	\$ 6,615.00
0238	Wall Penetrations	LS	1	\$ 5,980.75	\$ 5,980.75			\$ -	1	\$ 5,980.75	\$ 5,980.75
0239	CenturyLink Concrete Removal	LS	1	\$ 10,021.00	\$ 10,021.00			\$ -	1	\$ 10,021.00	\$ 10,021.00
0240	F&I Light Pull Boxes	EA	14	\$ 1,100.00	\$ 15,400.00			\$ -	14	\$ 1,100.00	\$ 15,400.00
0241	Floodwall Caps Modification	LS	1	\$ 7,572.00	\$ 7,572.00			\$ -	1	\$ 7,572.00	\$ 7,572.00
0242	Repair Storm Manholes	LS	1	\$ 12,913.20	\$ 12,913.20			\$ -	1	\$ 12,913.20	\$ 12,913.20
0243	Contaminated Soil Removal	LS	1	\$ 159,612.24	\$ 159,612.24			\$ -	1	\$ 159,612.24	\$ 159,612.24
0244	ST-8.1 Cover	LS	1	\$ 6,753.35	\$ 6,753.35			\$ -	1	\$ 6,753.35	\$ 6,753.35
0245	F&I Impressed 6" Thick Reinf Conc	SY	23	\$ 252.00	\$ 5,796.00	10	\$ 252.00	\$ 2,520.00	33	\$ 252.00	\$ 8,316.00
0246	Pipe Bursting 1st Ave N and 3rd St N	LF	42	\$ 243.22	\$ 10,215.24			\$ -	42	\$ 243.22	\$ 10,215.24
0247	Utility Vault Adjustment	EA	2	\$ 313.50	\$ 627.00			\$ -	2	\$ 313.50	\$ 627.00

WP-42F.1S - 2nd Street/Downtown Area - In-Town Levees											
ITEM	DESCRIPTION	UNIT	Current Budget (Through Change Order 17)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0248	1st Ave N Bridge Spall Removal	LS	1	\$ 2,305.60	\$ 2,305.60			\$ -	1	\$ 2,305.60	\$ 2,305.60
0249	F&I Storm Pipe 8" Dia PVC	LF	38	\$ 87.73	\$ 3,333.74			\$ -	38	\$ 87.73	\$ 3,333.74
0250	F&I Pump Station Manhole Inlet	EA	2	\$ 2,219.23	\$ 4,438.46			\$ -	2	\$ 2,219.23	\$ 4,438.46
0251	12" PVC Flared End Section Riprap	LS	1	\$ 825.00	\$ 825.00			\$ -	1	\$ 825.00	\$ 825.00
0252	Paint Line 4" Wide	LF	4857	\$ 2.07	\$ 10,053.99	28	\$ 2.07	\$ 57.96	4885	\$ 2.07	\$ 10,111.95
0253	Case Plaza Street Light	LS	1	\$ 5,170.00	\$ 5,170.00			\$ -	1	\$ 5,170.00	\$ 5,170.00
0254	Street Light Modifications	LS	1	\$ 6,991.60	\$ 6,991.60			\$ -	1	\$ 6,991.60	\$ 6,991.60
0255	City of Fargo Library Landscaping	LS	1	\$ 3,462.80	\$ 3,462.80			\$ -	1	\$ 3,462.80	\$ 3,462.80
0256	Paint Epoxy Line 24" Wide	LF	88	\$ 13.20	\$ 1,161.60			\$ -	88	\$ 13.20	\$ 1,161.60
0257	Paint Epoxy Messages	SF	32	\$ 16.50	\$ 528.00			\$ -	32	\$ 16.50	\$ 528.00
0258	3rd Street Lighting Modifications	LS	1	\$ 5,406.50	\$ 5,406.50			\$ -	1	\$ 5,406.50	\$ 5,406.50
0259	1st Ave Plaza Bench Modifications	LS	1	\$ 8,317.15	\$ 8,317.15			\$ -	1	\$ 8,317.15	\$ 8,317.15
0260	Topsoil Import Compacted Volume	CY	800	\$ 28.39	\$ 22,712.00			\$ -	800	\$ 28.39	\$ 22,712.00
0261	Topsoil Import Loose Volume	CY	800	\$ 21.84	\$ 17,472.00	(698)	\$ 21.84	\$ (15,244.32)	102	\$ 21.84	\$ 2,227.68
0262	F&I Decorative Fence	LS	1	\$ 52,456.56	\$ 52,456.56			\$ -	1	\$ 52,456.56	\$ 52,456.56
0263	1st Ave Landscaping Modifications	LS	1	\$ 5,482.00	\$ 5,482.00			\$ -	1	\$ 5,482.00	\$ 5,482.00
0264	New Diesel Generator	LS	1	\$ 391,481.27	\$ 391,481.27			\$ -	1	\$ 391,481.27	\$ 391,481.27
0265	Diesel Generator Connection from Proposed Generator Location to WP42A2 Pump Station	LS	1	\$ 337,950.78	\$ 337,950.78	(1)	\$ 337,950.78	\$ (337,950.78)	0	\$ 337,950.78	\$ -
0265A	CO-18 Diesel Generator Connection from Proposed Generator Location to WP42A2 Pump Station	LS				1	\$ 307,074.78	\$ 307,074.78	1	\$ 307,074.78	\$ 307,074.78
0266	Sidewalk Drain	LS	1	\$ 7,053.34	\$ 7,053.34			\$ -	1	\$ 7,053.34	\$ 7,053.34
0267	1st Avenue North Fiber Optic Wire and Conduit	LS				1	\$ 46,488.20	\$ 46,488.20	1	\$ 46,488.20	\$ 46,488.20
WP-42F.1S - TOTAL AMOUNT			CURRENT BUDGET		\$ 16,846,016.47	NET CHANGE		\$ (147,981.32)	NEW BUDGET		\$ 16,698,035.15



CHANGE ORDER REQUEST

Industrial Builders, Inc.
15274- - 2nd Street Floodwall and Road Relocation

DATE: 10/19/2017

PCO# 18:
Revision 1

To: Greg Baisch
CH2M Hill Engineer's Inc
657 2nd Ave N
Fargo, ND 58105-5405
Phone: 701-566-5470
Fax:
Email: Greg.baisch@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: Wire Deduction – New Fiber Installation

- This change order provides the deduction option for the 5th line wires which will not be installed but the conduit will still be placed between the pump station and the generator. The second item is an owner request to install fiber around 1st Ave N based on plan sheets dated 7-31-17 from HMG.

Approval Needed by October 20, 2017 for Fiber material to be ordered.

PCO Item	Change (in Days)	Quantity	UM	Unit Price	Amount
265 : Generator Connections					
Deduct Wires with Restocking Charge	0	1.00	L S	- 30,876.00	- 30,876.00
NEW: Add Fiber Optic Conduit	17	1.00	L S	46,488.20	46,488.20
				TOTAL:	15,612.20

Terms and Conditions:

- 1) NEW FIBER INSTALLATION: This change order must have approval to order material by October 20, 2017 to be completed by extension date of December 1, 2017.
- 2) Contract completion date will need to be **extended to December 1, 2017.**
- 3) Excludes all erosion control and permits.
- 4) No additional retainage to be held on any approved change order items.
- 5) Builders risk extension is included in revised quote.
- 6) If additional changes due to the submittal or supplier cannot supply specified material, additional charges may apply.
- 7) By approving the items and cost above, the owner agrees to added terms and conditions.

Submitted By:

Approved By:

10/19/2017

David Goulet

Date

Greg Baisch
CH2M Hill Engineer's Inc

Date

Strata Fiber Installation

	Total Hours	Regular Hours	Overtime Hours (20%)		Total
1 Project Manager	10	116	8 127.6	2 \$	1,183.20
				Total: \$	1,183.20

IBI Equipment Rates

Qty		Hourly Rate	Hours		Total
1	Truck	\$ 15.00	10	\$	150.00
				Total IBI Equipment: \$	150.00

Subcontractor

	Qty	Unites	Unit Price	Total
Strata (add \$1,000 for submittal changes)	1	LS	\$ 39,850.00	\$ 39,850.00
Retainage Interest	1	Mth	\$ 500.00	\$ 500.00
Builders Risk Extension	1	LS	\$ 700.00	\$ 700.00
			10% Mark up	\$ 4,105.00
			TOTAL	\$ 45,155.00

Total Change Order: \$ 46,488.20



PO Box 13500
 Grand Forks, ND 58208-3500
 701.746.7491

Proposal

Proposal Submitted to Address:	Phone:	Date:
David Goulet		10/6/2017
Industrial Builders		Addendum

Strata Corporation is pleased to submit the following proposal based upon the info. we've received.

2nd street Fargo flood job Fiber Change Order

Item	Description	Qty	Unit	Price	Total
1	fiber material(modems,switches,Etc)	1	LS	\$ 19,290.00	\$ 19,290.00
2	wire	1	LS	\$ 7,900.00	\$ 7,900.00
3	labor	1	LS	\$ 6,460.00	\$ 6,460.00
4	testing	1	LS	\$ 3,200.00	\$ 3,200.00
5	Misc repairs and traffic control	1	LS	\$ 2,000.00	\$ 2,000.00
Sum					\$ 38,850.00

General Notes:

Surveying for the project is not included. Bond not included.

No power company fees

No: Cost Sharing, TERO fees or Tribal Training Fees.

This Proposal shall be included in our contract or agreement.

Proposal valid for 30 days and on approved credit. All permits are by others. Work associated with pavement marking is by others.

All material is guaranteed to be specified. All work to be completed in workmanlike manner according to standard practices. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado, and other necessary insurance. Our workers are fully covered by Workers Compensation Insurance.

Proposal By: **Keith Wolter**
 Cell No. 701-741-0901
 Office No. 701-775-4205

 Authorized Signature

Acceptance of Proposal-

The above prices, specifications, and conditions are satisfactory and are hereby accepted. you are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance:

X

Signature

X



BORDER STATES
Supply Chain Solutions™

Border States Electric Supply
Shealy Electrical Wholesalers | Kriz-Davis
K-D Chapman Metering

Border States Electric - FGO
605 25th St S
 Fargo ND 58103
 Phone: 701-293-5833

Quote

Page: 1 of 2

BSE Quote: 24484840
Sold-To Acct #: 1727
Valid From: 09/28/2017 **To:** 10/05/2017
PO No: WF CONSTRUCTION CHANGE ORDER

Created By: Kathryn Kanwischer
Tel No: 701-239-2389
Fax No: 701-232-7673

Strata Corp-Fargo ND
Attn Strata Park Electrical Div
PO Box 13500
Grand Forks ND 58208-3500

Inco Terms:
FOB ORIGIN

Payment Terms:
1.0 % 10th prox net 25th (25)

Cust Item	BSE Item	Material MFG - Description	Quantity	Price	Per	UoM	Value
	000010	2926619 IOPT - I1611-H-01M-2J JMPR-1M-MM-DPLX-LC-ST-ORG	16 EA	12.93	/ 1	EA	206.88
	000020	3018614 IOPT - I2753-A-01M-2J JMPR-1M-SM-DPLX-LC-LC-YEL	16 EA	12.97	/ 1	EA	207.52
	000030	3007159 OPTC - ZDMB6B ZONE DIST BOX FIBER 1 ADAPTER PNL	4 EA	52.88	/ 1	EA	211.52
	000040	2794479 OPTC - 6112DLC FIBR ADAPTER PLATE 6P LC MM/SM	4 EA	60.29	/ 1	EA	241.16
	000050	1433263 TECO - 931866-000 FOSC450-D6-6-NT-0-D6V ENCL	4 EA	386.25	/ 1	EA	1,545.00
	000060	1974709 TECO - 915167-000 FOSC-ACC-D-TRAY-72 FIBR TRAY	8 EA	30.13	/ 1	EA	241.04
	000070	- 100FT MM PGTL LC DOT SPECS	3 EA	503.08	/ 1	EA	1,509.24
	000080	- 100FT SM PGTL LC DOT SPECS	3 EA	459.41	/ 1	EA	1,378.23
	000100	- DT-4010 850NM/MM ACTIVE STAR MODEM	2 EA	1.00	/ 1	EA	2.00
	000110	- 150FT MM PGTL LC CITY SPECS 200ft price	1 EA	522.72	/ 1	EA	522.72
	000120	- 150FT SM PGTL LC CITY SPECS 200ft price	1 EA	575.04	/ 1	EA	575.04
	000130	- ES8509-X ETHERNET SWITCH	2 EA	1,392.60	/ 1	EA	2,785.20
	000140	- 12000-48 KIT48VDC120V2W POWER SUPPLY	2 EA	103.13	/ 1	EA	206.26

Border States Electric - FGO
 605 25th St S
 Fargo ND 58103
 Phone: 701-293-5833

Quote

BSE Quote: 24484840
Sold-to Acct #: 1727
Valid From: 09/28/2017 **To:** 10/05/2017

Cust Item	BSE Item	Material MFG - Description	Quantity	Price	Per	UoM	Value
	000150	- SFP-SM-1G-LC-10KM SFP MODULE	4 EA	117.00	/ 1	EA	468.00
	000160	- DT4010 EQUAL STAR MODEM	2 EA	1,859.63	/ 1	EA	3,719.26

Total \$			13,819.07
State Tax \$	5.000 %	690.94	
County Tax \$	0.500 %	69.12	
Local Tax \$	2.000 %	276.37	
Other Tax1 \$	0.000 %	0.00	
Other Tax2 \$	0.000 %	0.00	
Other Tax3 \$	0.000 %	0.00	
Tax Subtotal \$			1,036.43

Net Amount \$ 14,855.50

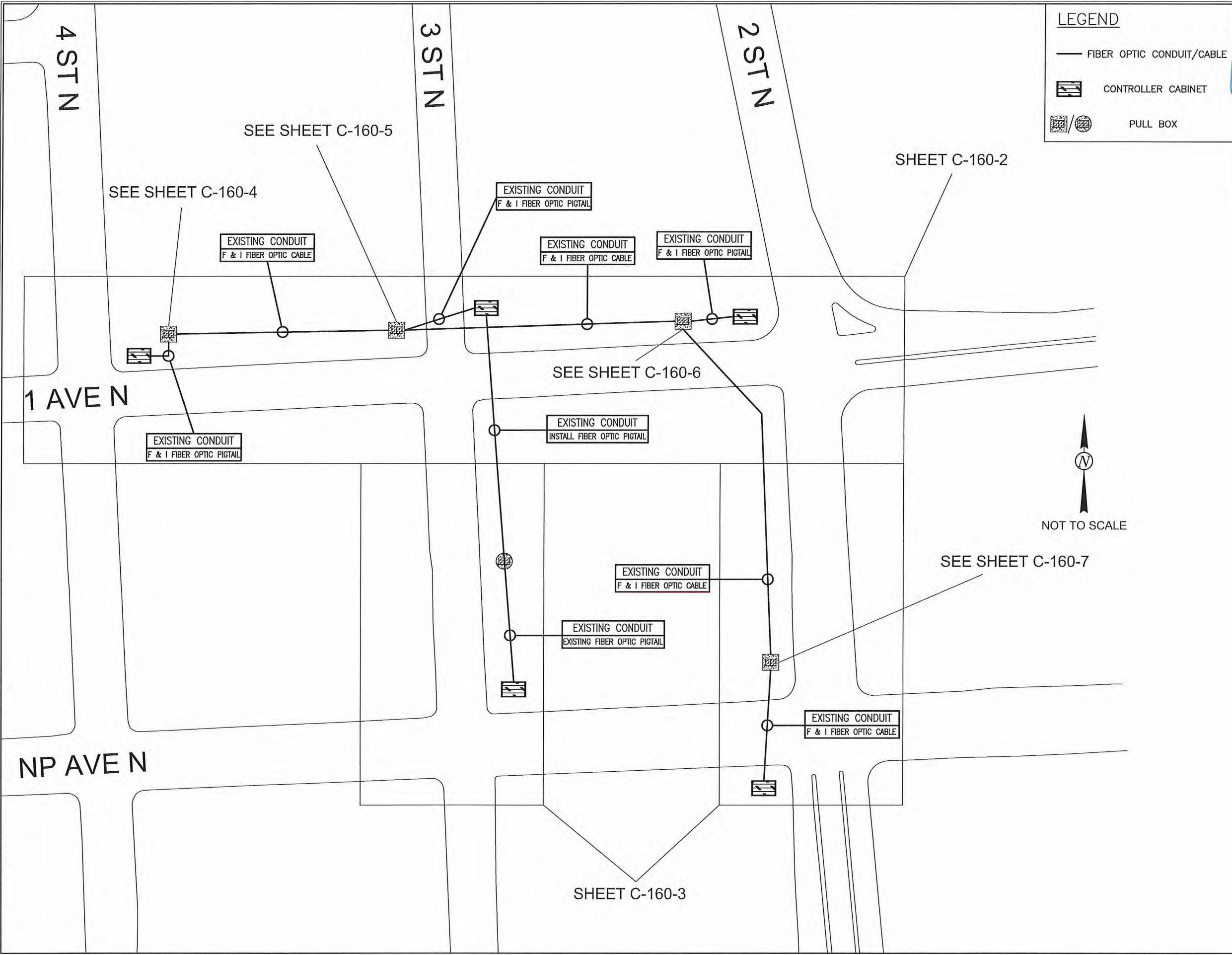
To access BSE's Terms and Conditions of Sale, please go to <https://www.borderstateselectric.com>

The quoted sales tax is an estimate only based upon the information provided in this quote and will be finalized at the time of Invoice based upon the material purchased, quantity purchased, and delivery location.

Shipping and handling fees in this quote are an estimate only and will be finalized at the time of Invoice.

This quote has not been reviewed for compliance with the Buy American Act or the American Recovery and Reinvestment Act requirements. BSE reserves the right to amend both our bill of material and our proposal accordingly if BAA/ARRA compliance is required.

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LEGEND

- FIBER OPTIC CONDUIT/CABLE
- [Symbol] CONTROLLER CABINET
- [Symbol] PULL BOX

REGISTERED PROFESSIONAL ENGINEER
 NICHOLAS J. ERPELDING
 PE - 5870
 DATE 09/13/2017
 NORTH DAKOTA

HMG
 HOUSTON - MOORE GROUP



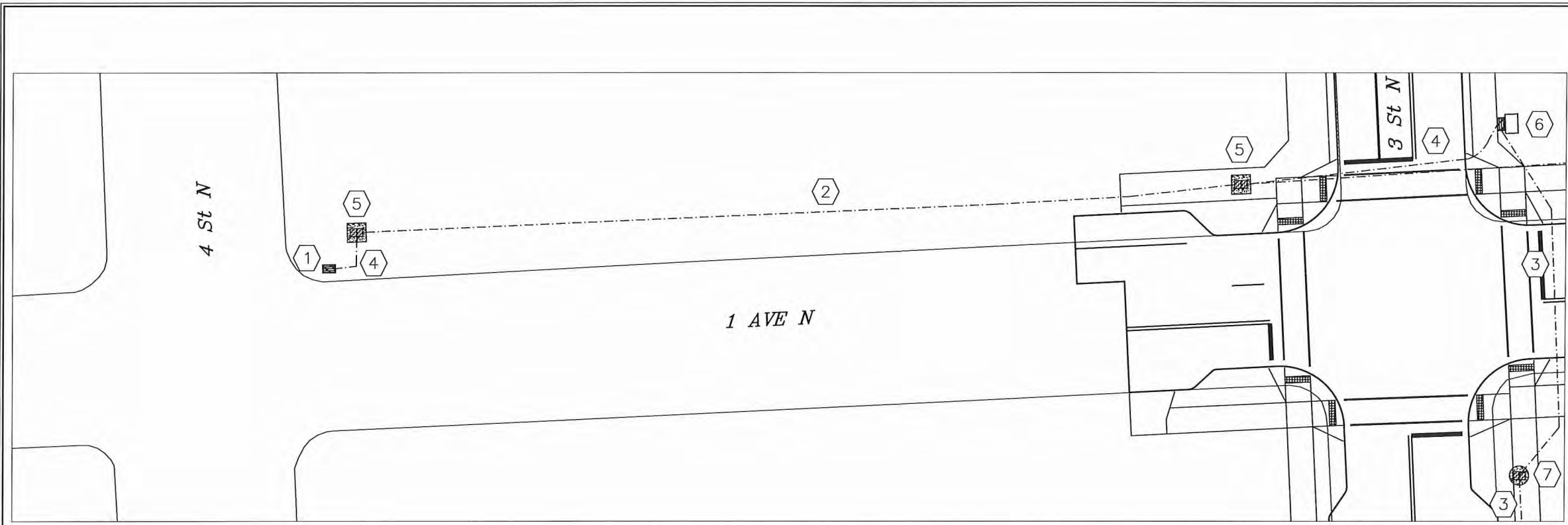
OVERVIEW
 TRAFFIC SIGNAL INTERCONNECT

ELEVATION DATUM (VERTICAL CONTROL) NAVD 88
 COORDINATE SYSTEM (HORIZONTAL CONTROL) NAVD 83 (1986)
 FARGO GROUND - US SURVEY FEET

DATE:	7-31-17
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REVISED:	
REVISED:	
RECORD:	
FILE NAME:	
PROJECT No.	—
DRAWN BY:	DLR
CHECKED BY:	NJE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

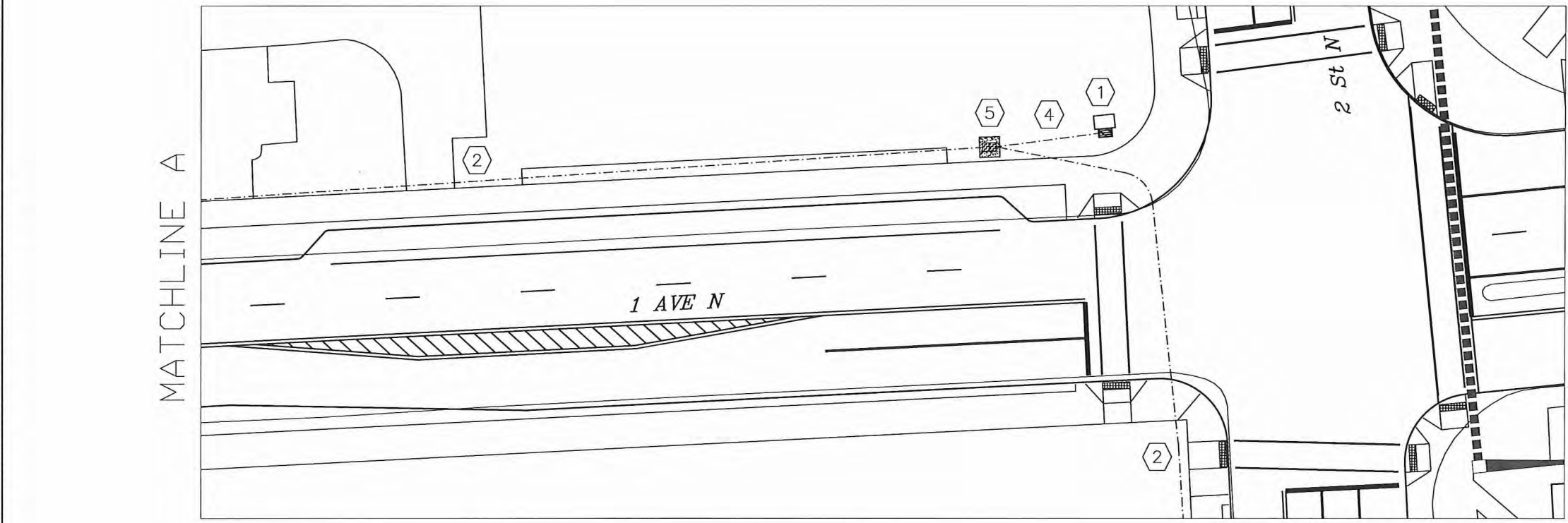
C-160-1

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MATCHLINE A

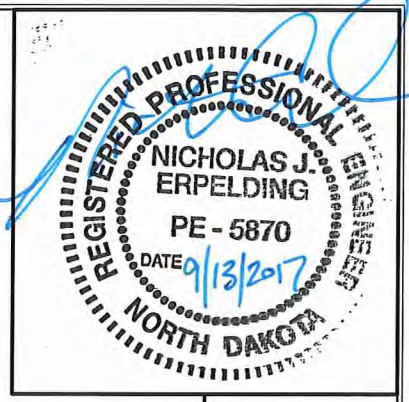
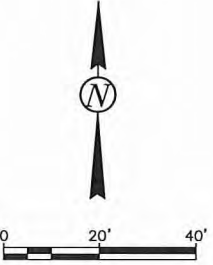
MATCHLINE B



MATCHLINE A

MATCHLINE C

- ① EXISTING CONTROLLER CABINET
TERMINATE FIBER OPTIC PIGTAIL
- ② EXISTING CONDUIT
FURNISH AND INSTALL FIBER OPTIC CABLE
- ③ EXISTING CONDUIT
INSTALL FIBER OPTIC PIGTAIL (PULL CABLE
FROM EXISTING COIL ALONG 3 ST N TO
EXISTING CONTROLLER CABINET)
- ④ EXISTING CONDUIT
FURNISH AND INSTALL FIBER OPTIC PIGTAIL
- ⑤ EXISTING CONCRETE POLYMER PULL BOX
SPLICE FIBER OPTIC CABLE
- ⑥ EXISTING CONTROLLER CABINET
TERMINATE FIBER OPTIC PIGTAILS
- ⑦ EXISTING PVC PULL BOX
CONNECT EXISTING CONDUIT FROM SOUTH
TO EXISTING PVC PULL BOX



ELEVATION DATUM (VERTICAL CONTROL) NAVD 88
COORDINATE SYSTEM (HORIZONTAL CONTROL) FARGO GROUND - US SURVEY FEET

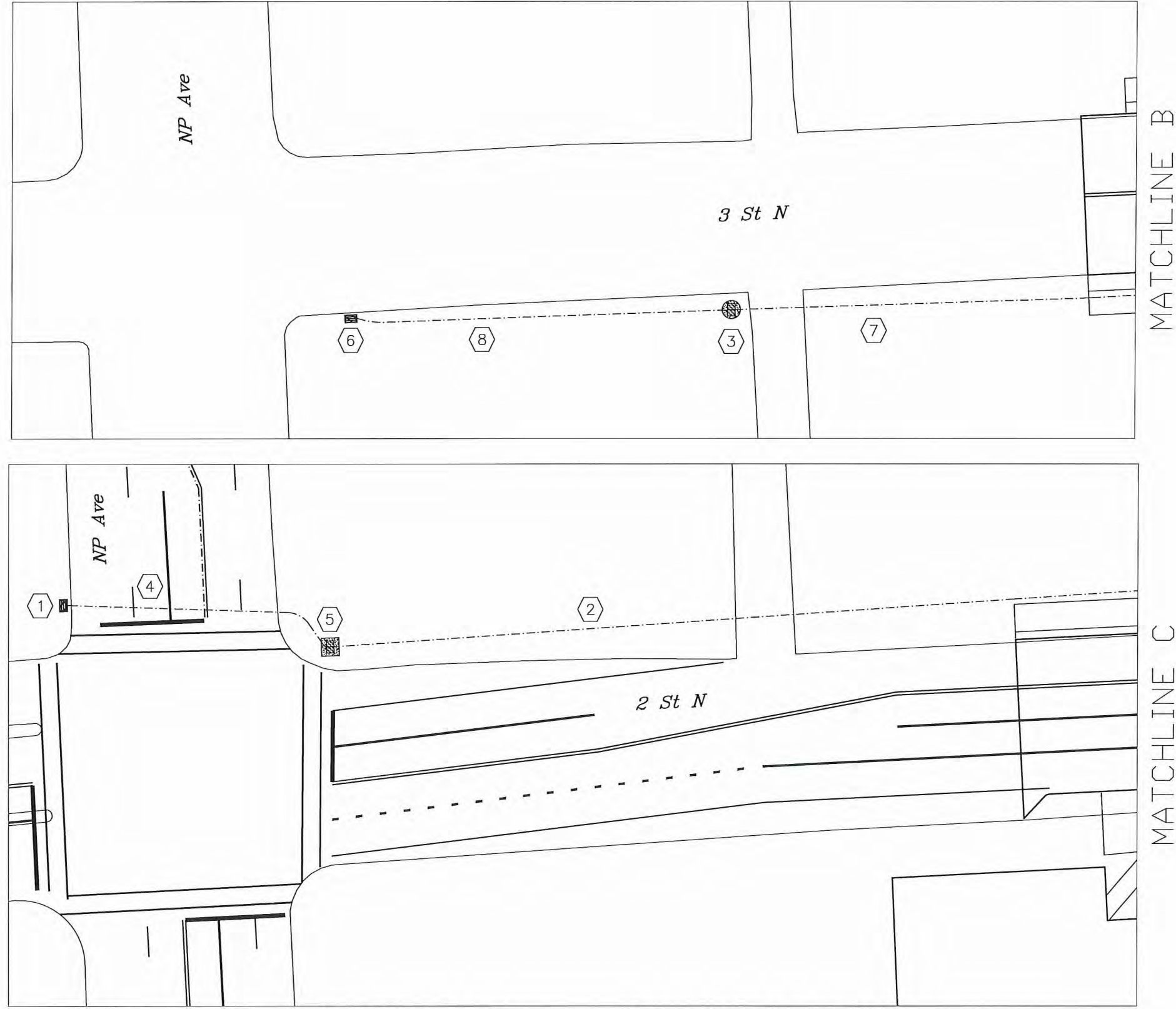
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PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-160-2

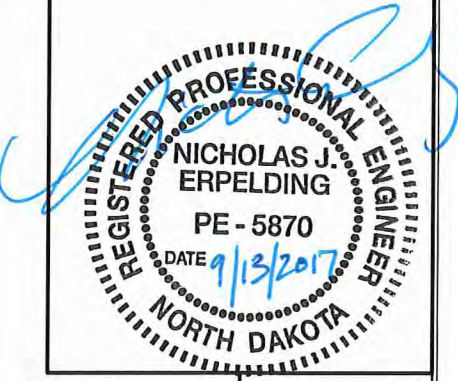
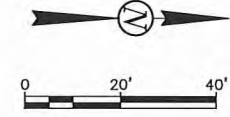
LAYOUT - 1 AVE N

TRAFFIC SIGNAL INTERCONNECT

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- ① EXISTING CONTROLLER CABINET
TERMINATE FIBER OPTIC PIGTAIL
- ② EXISTING CONDUIT
FURNISH AND INSTALL FIBER OPTIC CABLE
- ③ EXISTING PVC PULL BOX WITH COILED
FIBER OPTIC PIGTAIL
- ④ EXISTING CONDUIT
FURNISH AND INSTALL FIBER OPTIC PIGTAIL
- ⑤ EXISTING CONCRETE POLYMER PULL BOX
SPLICE FIBER OPTIC CABLE
- ⑥ EXISTING CONTROLLER CABINET
- ⑦ EXISTING CONDUIT
INSTALL FIBER OPTIC PIGTAIL (PULL CABLE
FROM EXISTING COIL ALONG 3 ST N TO
EXISTING CONTROLLER CABINET)
- ⑧ EXISTING CONDUIT
EXISTING FIBER OPTIC PIGTAIL

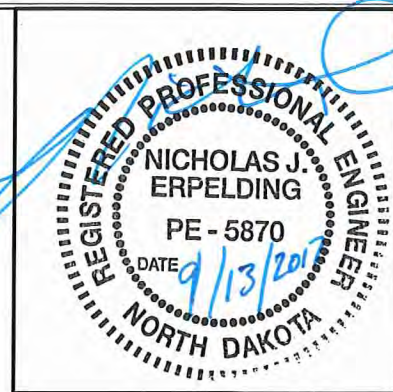


ELEVATION DATUM (VERTICAL CONTROL) COORDINATE SYSTEM (HORIZONTAL CONTROL)
 NAVD 83 (1986) FARGO GROUND - US SURVEY FEET
 NAVD 88 GEOID03

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FILE NAME:	
PROJECT No.	---
DRAWN BY:	DLR
CHECKED BY:	NJE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-160-3

LAYOUT - 2 ST N & 3 ST N
 TRAFFIC SIGNAL INTERCONNECT



HMG
HOUSTON - MOORE GROUP

SPlicing SCHEMATIC
4 ST & 1 AVE N
TRAFFIC SIGNAL INTERCONNECT

ELEVATION DATUM (VERTICAL CONTROL) NAVD 83
COORDINATE SYSTEM (HORIZONTAL CONTROL) FARGO GROUND - US SURVEY FEET

DATE:	7-31-17
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REVISED:	
REVISED:	
RECORD:	
FILE NAME:	
PROJECT No.	---
DRAWN BY:	DLR
CHECKED BY:	NJE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-160-4

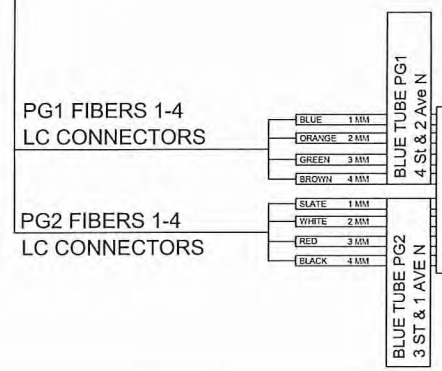
PROVIDE 4-3' MM ST-LC JUMPER CORDS
PROVIDE 4-3' SM LC-LC JUMPER CORDS

NEW 12 CT MM
FIBER DISTRIBUTION
BOX-LC

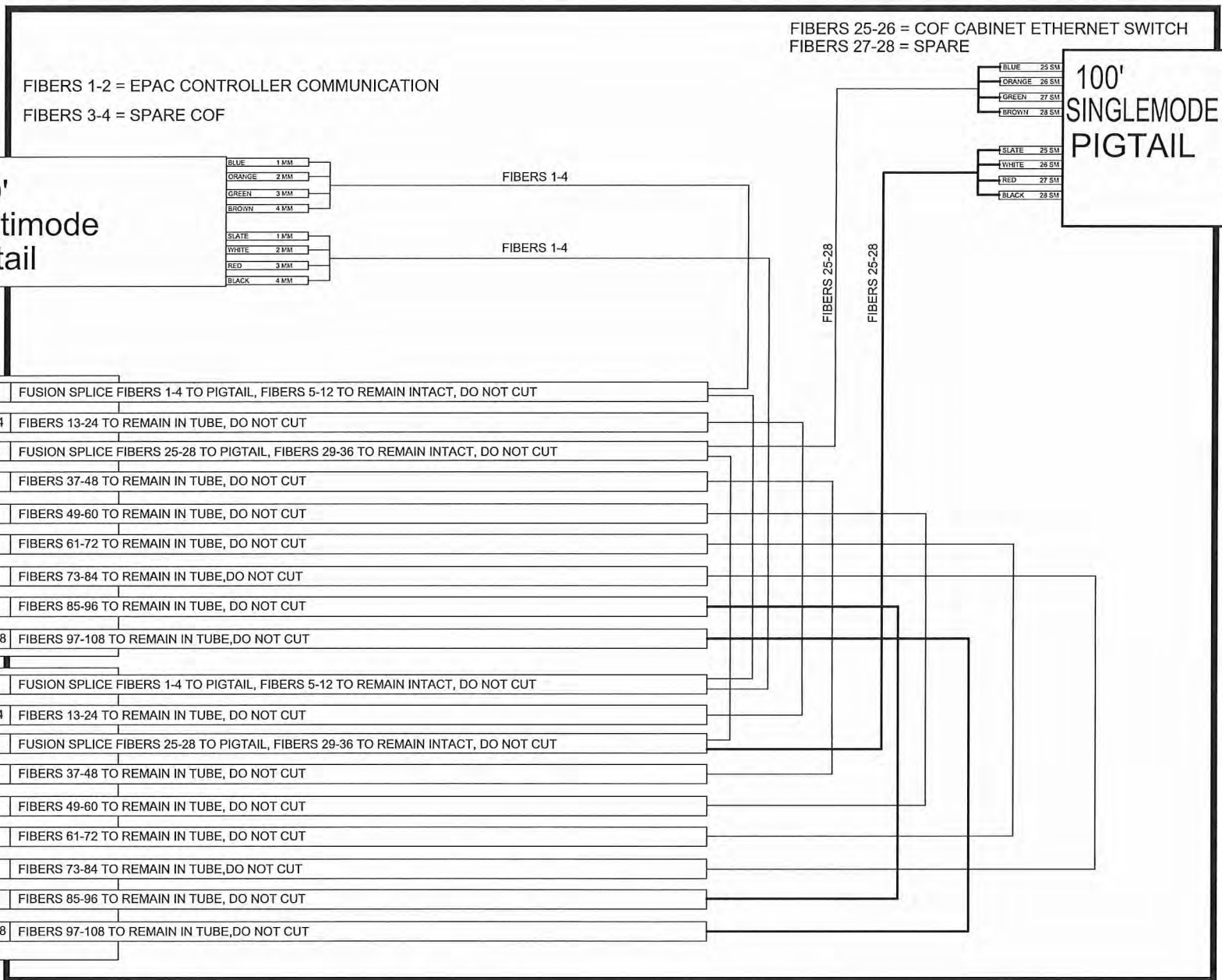
NEW 12 CT SM
FIBER DISTRIBUTION
BOX-LC

TYCO ENCLOSURE FOSC 450 D6

PG1 & PG2 FIBERS 25-28
LC CONNECTORS



100'
Multimode
Pigtail



FIBERS 1-2 = EPAC CONTROLLER COMMUNICATION
FIBERS 3-4 = SPARE COF

FIBERS 25-26 = COF CABINET ETHERNET SWITCH
FIBERS 27-28 = SPARE

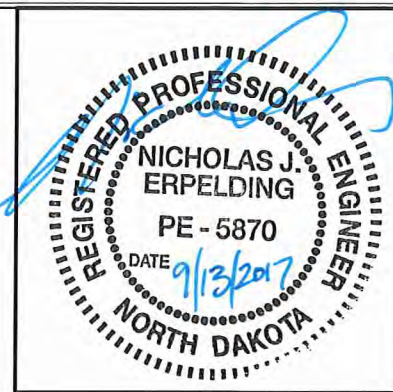
100'
SINGLEMODE
PIGTAIL

PG1 4 St & 2 Ave N 24MM-84SM EXISTING FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, DO NOT CUT
PG2 3 St & 1 Ave N 24MM-84SM NEW FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, DO NOT CUT
12CT SM-YELLOW TUBE FIBERS 97-108	FIBERS 97-108 TO REMAIN IN TUBE, DO NOT CUT	

Furnish and Install all fiber optic components shown on this sheet.
Furnish and Install an ethernet switch with 2(SFP-SM-1G-LC-10km)
Furnish and Install DT4000 Series 4 port active optical star modem

4 St & 1 Ave N

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SPlicing SCHEMATIC
 3 ST & 1 AVE N
 TRAFFIC SIGNAL INTERCONNECT

TYCO ENCLOSURE FOSC 450 D6

EXISTING 12CT MM FIBER FROM NP & 3 ST N
 12CT MM-BLUE TUBE FIBERS 1-12
 INSTALL LC END ON 1-4, 5-12 UNSPLICED

EXISTING 12 CT SM
 FIBER DISTRIBUTION
 BOX-LC

PROVIDE 4-3' MM ST-LC JUMPER CORDS
 PROVIDE 4-3' SM LC-LC JUMPER CORDS

PG1 & PG2 FIBERS 25-28
 LC CONNECTORS

EXISTING 12 CT MM
 FIBER DISTRIBUTION
 BOX-LC

PG1 FIBERS 1-4
 LC CONNECTORS

PG2 FIBERS 1-4
 LC CONNECTORS

100'
Multimode
Pigtail

FIBERS 1-2 = EPAC CONTROLLER COMMUNICATION
 FIBERS 3-4 = SPARE COF

FIBERS 25-26 = COF CABINET ETHERNET SWITCH
 FIBERS 27-28 = SPARE

100'
SINGLEMODE
PIGTAIL

PG1 4 St & 1 Ave N 24MM-84SM NEW FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-YELLOW TUBE FIBERS 97-108	FIBERS 97-108 TO REMAIN IN TUBE, DO NOT CUT
PG2 2 ST & 1 AVE N 24MM-84SM NEW FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-YELLOW TUBE FIBERS 97-108	FIBERS 97-108 TO REMAIN IN TUBE, DO NOT CUT

Furnish and Install all fiber optic components shown on this sheet.

3 St & 1 Ave N

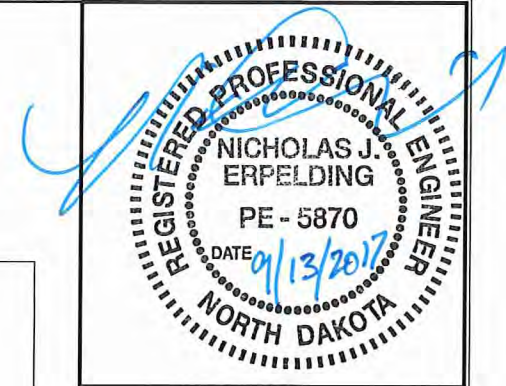
Furnish and Install DT4000 Series 4 port active optical star modem

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ELEVATION DATUM (VERTICAL CONTROL) COORDINATE SYSTEM (HORIZONTAL CONTROL)
 FARGO GROUND - US SURVEY FEET

DATE:	7-31-17
REVISED:	
RECORD:	
FILE NAME:	
PROJECT No.:	---
DRAWN BY:	DLR
CHECKED BY:	NJE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-160-5



PROVIDE 4-3' MM ST-LC JUMPER CORDS
PROVIDE 4-3' SM LC-LC JUMPER CORDS

EXISTING 12 CT SM
FIBER DISTRIBUTION
BOX-LC

PG1 FIBERS 25-28, PG2 FIBERS 25-28
LC CONNECTORS

EXISTING 12 CT MM
FIBER DISTRIBUTION
BOX-LC

TYCO ENCLOSURE FOSC 450 D6

FIBERS 1-2 = EPAC CONTROLLER COMMUNICATION
FIBERS 3-4 = SPARE COF

FIBERS 25-26 = COF CABINET ETHERNET SWITCH
FIBERS 27-28 = SPARE
PG1 FIBERS 29-30 = NDDOT RAMP

PG1 FIBERS 1-4
LC CONNECTORS

PG2 FIBERS 1-4
LC CONNECTORS

100'
Multimode
Pigtail

100'
SINGLEMODE
PIGTAIL

PG1 3 St & 1 AVE N 24MM-84SM NEW FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-YELLOW TUBE FIBERS 97-108	FIBERS 97-108 TO REMAIN IN TUBE, DO NOT CUT
PG2 2 St & NP AVE 24MM-84SM NEW FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, DO NOT CUT
	12CT SM-YELLOW TUBE FIBERS 97-108	FIBERS 97-108 TO REMAIN IN TUBE, DO NOT CUT

Furnish and Install all fiber optic components shown on this sheet. **2 St & 1 Ave N**



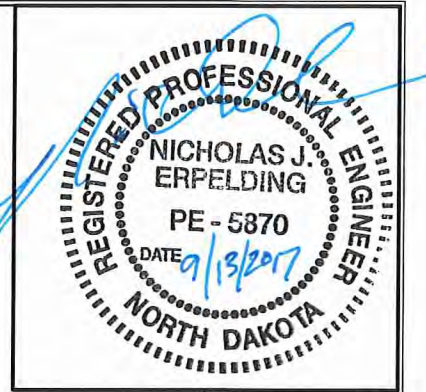
SPlicing SCHEMATIC
2 ST & 1 AVE N
TRAFFIC SIGNAL INTERCONNECT

ELEVATION DATUM (VERTICAL CONTROL) NAVD 83
COORDINATE SYSTEM (HORIZONTAL CONTROL) UTM 18Q UTM ZONE 18Q
FARGO GROUND - US SURVEY FEET

DATE:	7-31-17
REVISED:	
REVISED:	
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FILE NAME:	
PROJECT No.:	---
DRAWN BY:	DLR
CHECKED BY:	NJE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-160-6

09/13/17 12:26:25PM H:\Proj\FRGC\7715.11\SD\Design\Plan\Section_160\FD InterconnectSchematics.dwg



PROVIDE 4-3' MM ST-LC JUMPER CORDS
 PROVIDE 4-3' SM LC-LC JUMPER CORDS

NEW 12 CT SM
 FIBER DISTRIBUTION
 BOX-LC

PG1 FIBERS 25-28, PG2 FIBERS 25-28
 LC CONNECTORS

NEW 12 CT MM
 FIBER DISTRIBUTION
 BOX-LC

TYCO ENCLOSURE FOSC 450 D6

FIBERS 1-2 = EPAC CONTROLLER COMMUNICATION
 FIBERS 3-4 = SPARE COF

FIBERS 25-26 = COF CABINET ETHERNET SWITCH
 FIBERS 27-28 = SPARE
 PG1 FIBERS 29-30 = NDDOT RAMP

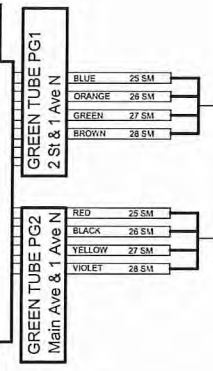
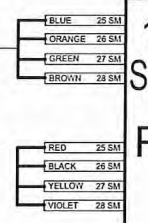
PG1 FIBERS 1-4
 LC CONNECTORS



150'
 Multimode
 Pigtail



150'
 SINGLEMODE
 PIGTAIL



PG1 2 ST & 1 AVE N 24MM-84SM NEW FIBER OPTIC CABLE	12CT MM-BLUE TUBE FIBERS 1-12	FUSION SPLICE FIBERS 1-4 TO PIGTAIL, FIBERS 5-12 TO REMAIN INTACT, DO NOT CUT
	12CT MM-ORANGE TUBE FIBERS 13-24	FIBERS 13-24 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING
	12CT SM-GREEN TUBE FIBERS 25-36	FUSION SPLICE FIBERS 25-28 TO PIGTAIL, FIBERS 29-36 TO REMAIN INTACT, DO NOT CUT
	12CT SM-BROWN TUBE FIBERS 37-48	FIBERS 37-48 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING
	12CT SM-SLATE TUBE FIBERS 49-60	FIBERS 49-60 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING
	12CT SM-WHITE TUBE FIBERS 61-72	FIBERS 61-72 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING
	12CT SM-RED TUBE FIBERS 73-84	FIBERS 73-84 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING
	12CT SM-BLACK TUBE FIBERS 85-96	FIBERS 85-96 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING
	12CT SM-YELLOW TUBE FIBERS 97-108	FIBERS 97-108 TO REMAIN IN TUBE, LEAVE 3' OF SLACK FOR FUTURE SPLICING

Furnish and Install all fiber optic components shown on this sheet.
 Provide an ethernet switch with 2(SFP-SM-1G-LC-10km)

2 St N & Northern Pacific Ave N



SPLICING SCHEMATIC
 2 ST N & NP AVE N
 TRAFFIC SIGNAL INTERCONNECT

ELEVATION DATUM (VERTICAL CONTROL) NAVD 88
 COORDINATE SYSTEM (HORIZONTAL CONTROL) FARGO GROUND - US SURVEY FEET

DATE:	7-31-17
REVISED:	
REVISED:	
REVISED:	
RECORD:	
FILE NAME:	
PROJECT No.:	---
DRAWN BY:	DLR
CHECKED BY:	NJE
PROJ. MANAGER:	CGT
PROJ. ENGINEER:	

C-160-7

Technical Advisory Group Recommendation

Meeting Date: 10/18/2017

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016, the Owner’s Program Management Consultant (PMC) or Engineer of Record (EOR) shall submit a construction Change Order request to the Technical Advisory Group. The Technical Advisory Group shall review the Change Order request during its next regular meeting after receiving the Change Order request, and make a recommendation as to approval or denial of the Change Order request.

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

Description	Budget Estimate (\$)
<p>WP-43E.2.E: Schmidt and Sons Construction, Inc.</p> <p><i>Change Order #01</i></p> <ul style="list-style-type: none"> Time extension to allow home removal 	0.00

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	0.00	344,978.00	344,978.00	06-Jun-17	27-Oct-17	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	344,978.00	0.00	344,978.00	06-Jun-17	01-Jun-18	Time extension to allow home removal

DISCUSSION

The home at 5059 Makenzie Circle, Cass County, ND is part of the Project and included in the Substantial Completion and Final Completion Contract Times. The Contractor planned to demolish the home but has since determined that it can be saved and moved if the Contractor is given additional time to complete the work. The Contractor, in the attached letter dated Oct 6, 2017, requested a time extension to December 30, 2017 but has agreed to an earlier completion date: December 20, 2017.

The following are additional reasons for granting the requested time extension:

1. Owner requested assistance on WP-43E2F (Riverbend Road Home Removals):
 - a. Due to the anticipated start of WP-43CD levee construction in August 2017, home removals under the footprint of the levee were the Owner's highest priority in July 2017.
 - b. The WP-43E2F contractor had several homes under the levee footprint that were sold but the buyers did not have home movers to move them. NOTE that under WP-43E2F the home buyer was responsible for moving the home, and there was a limited number of home movers available.
 - c. Near the end of July 2017, the Owner asked Schmidt and Sons if they could contract for and move WP-43E2F homes. Schmidt and Sons agreed and spent several weeks moving WP-43E2F homes in lieu of completing their WP-43E2E work.
 - d. Because of this, the PMC felt the original WP-43E2E Substantial Completion date of August 11, 2017 would have to be negotiated and changed in a future change order and no Liquidated Damages should be assessed.
2. The Contractor has requested a time extension for weather related delays, originally in a letter dated August 9, 2017 and in the attached October 6, 2017 letter.

This is a no cost time extension and will not impact other WP-43 construction projects.

Adding 93 days to Substantial Completion, changes it from August 11, 2017 to December 20, 2017, and allows the Contractor to move the 5059 Makenzie Circle home and backfill the excavation. Due to winter conditions, the seeding and verification of grow in needs to be extended to the spring of 2018. This requires adding 155 days to Final Completion, changing it from October 27, 2017 to June 1, 2018.

The PMC has reviewed CO-01 and feel the proposed costs and level of effort are reasonable.

ATTACHMENT(S):

- 1. Draft Change Order No. 1

Submitted by:

John W. Glatzmaier

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

October 18, 2018

Date

Nathan Boerboom, Diversion Authority Project
Manager
Concur: October 19, 2017 Non-Concur: _____

Robert Zimmerman, Moorhead City Engineer
Concur: October 18 2017 Non-Concur _____

Mark Bittner, Fargo Director of Engineering
Concur: October 19, 2017 Non-Concur: _____

Jason Benson, Cass County Engineer
Concur: October 19, 2017 Non-Concur _____

David Overbo, Clay County Engineer
Concur: October 18, 2017 Non-Concur:

Jeff Ebsch, Assistant Cass County Engineer, Diversion
Authority Project Manager
Concur: October 18, 2017 Non-Concur



Change Order No. 01

Date of Issuance: 10/26/2017 Effective Date: 10/16/2017
Owner: METRO FLOOD DIVERSION AUTHORITY Owner's Contract No.: WP-43E.2.E
Owner's Representative: CH2M HILL Engineers, Inc. Owner's Representative Project No.: 435534
Contractor: Schmidt and Son Construction Contractor's Project No.: _____
Engineer: Houston-Moore Group, LLC Work Package No.: WP-43E.2.E
Project: Residential Demolition Contract Name: Oxbow-Hickson-Bakke Ring Levee

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

Description:

The home at 5059 Makenzie Circle, Cass County, ND is part of the Project and included in the Substantial Completion and Final Completion Contract Times. The Contractor originally planned to demolish the home but has since determined that it can be saved and moved if the Contractor is given additional time to complete the work. This is a no cost time extension and will not impact other WP-43 construction projects.

1. Substantial Completion: The Contractor has requested an extension of Substantial Completion to the end of December 2017 to move the home. This change adds 93 days to Substantial Completion, changing it from August 11, 2017 to December 20, 2017.
2. Final Completion: Completion of seeding and verification of grow in will have to be extended to the spring of 2018. This change adds 155 days to Final Completion, changing it from October 27, 2017 to June 1, 2018.

Attachments:

1. Contractor request for time extension, dated October 6, 2017

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: 344,978.00	Original Contract Times: Substantial Completion: <u>August 11, 2017</u> Ready for Final Payment: <u>October 27, 2017</u>
Contract Price prior to this Change Order: 344,978.00	Contract Times prior to this Change Order: Substantial Completion: <u>August 11, 2017</u> Ready for Final Payment: <u>October 27, 2017</u>
[Increase] [Decrease] of this Change Order:	[Increase] [Decrease] of this Change Order: Substantial Completion: add 93 days Final Completion: add 155 days
Contract Price incorporating this Change Order: 344,978.00	Contract Times with all approved Change Orders: Substantial Completion: <u>December 20, 2017</u> Ready for Final Payment: <u>June 1, 2018</u>

<p>RECOMMENDED:</p> <p>By: _____ <small>Owner's Representative (Authorized Signature)</small></p> <p>Name: <u>Nathan Boerboom</u> Title: <u>Project Manager</u> Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ <small>Owner (Authorized Signature)</small></p> <p>Name: <u>Robert W. Wilson</u> Title: <u>Co-Executive Director</u> Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ <small>Contractor (Authorized Signature)</small></p> <p>Name: <u>Robert Schmidt</u> Title: <u>Owner</u> Date: _____</p>
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SCHMIDT AND SONS CONSTRUCTION INC

5427 EAST RIVER ROAD
KINDRED ND 58051

PHONE: 701-428-3088

WEB: schmidtandsonsmovers.com

EMAIL:

schmidtandsonsmovers@q.com

October 6, 2017

CH2M,

Schmidt and Sons Construction Inc. is requesting an extension on WP-43E.2.E of 20 days on our Completion date of October 27th. Due to Meyer removing Schnell Drive, Schmidt and Sons Construction was unable to get into the work site on rainy days due to the change in conditions. Meyer removing the hard surface left the clay surface exposed to the rainy weather, which in turn made the road unusable for many days. The conditions have caused approximately 34 days of lost work due to wet and muddy conditions. We are requesting 20 days extension to November 24, 2017 to complete contracted work.

Schmidt and Sons Construction Inc. is asking for an extension on the house located at 5059 Makenzie Circle until December 30th. We have taken out the driveway, landscaping and the garage and slab on this property. We have decided that we will be able to utilize the house as an office and would like time to move the structure. This property is outside the area of construction and at the construction meeting, the members of Moore engineering and CH2M, did not see a problem with this. This will give us time to utilize the building, rather than destroy it.

Thank You

Tammy Schmidt Sec./Treas



Technical Advisory Group Recommendation

Meeting Date: 10/18/2017

RECOMMENDATION FOR ACTION:

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

SUMMARY OF CONTRACTING ACTION:

Per the contract review and approval procedures that were adopted by the Diversion Authority on November 10, 2016, the Owner’s Program Management Consultant (PMC) or Engineer of Record (EOR) shall submit a construction Change Order request to the Technical Advisory Group. The Technical Advisory Group shall review the Change Order request during its next regular meeting after receiving the Change Order request, and make a recommendation as to approval or denial of the Change Order request.

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

Description	Budget Estimate (\$)
WP-43E.2.F: Landwehr Construction, Inc. <i>Change Order No. 01</i> <ul style="list-style-type: none"> • Substantial Completion time extension 	0.00

Summary of Contracting History and Current Contract Action:

Original Agreement or Amendment	Previous Project Cost	Budget (\$) Change	Revised Project Cost	Project Start	Project Completion	Comments
Original Contract	0.00	234,593.50	234,593.50	19-Jun-17	31-May-18	Contract Award recommended to lowest responsive bidder, Industrial Builders, Inc.
Change Order No. 1	234,593.50	0.00	234,593.50	19-Jun-17	31-May-18	Substantial Completion time extension

DISCUSSION

Due to a project site access conflict between the WP-43E2F contractor, Landwehr Construction, Inc., and the contractor for WP-43CD for a portion of Riverbend Road and as a compromise to maintain the access and work schedule for both contractors, an agreement was reached between Landwehr Construction, Inc. and the Diversion Authority to provide a temporary work access route to complete the remaining WP-42E2F work. This agreement also includes a Substantial Completion time extension for Landwehr Construction, Inc. without Liquidated Damage penalties.

The Change Order consists of the following items:

1. **Time Extension for Substantial Completion:** This change adds 12 days to Substantial Completion, from October 16, 2017 to November 1, 2017. This is a no cost extension and it will not impact any other Diversion Authority construction projects in Oxbow.
2. **Remove Liquidated Damages:** This change removes Liquidated Damage penalties for the 12 day extension of Substantial Completion, from October 16, 2017 to November 1, 2017.

ATTACHMENT(S):

1. Draft Change Order No. 1

Submitted by:

John W. Glatzmaier

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

October 18, 2017

 Date

 Nathan Boerboom, Diversion Authority Project
 Manager
 Concur: October 18, 2017 Non-Concur: _____

 Robert Zimmerman, Moorhead City Engineer
 Concur: October 18, 2017 Non-Concur _____

 Mark Bittner, Fargo Director of Engineering
 Concur: October 19, 2017 Non-Concur: _____

 Jason Benson, Cass County Engineer
 Concur: October 18, 2017 Non-Concur _____

 David Overbo, Clay County Engineer
 Concur: October 18, 2017 Non-Concur: _____

 Jeff Ebsch, Assistant Cass County Engineer, Diversion
 Authority Project Manager
 Concur: October 18, 2017 Non-Concur _____



Change Order No. 01

Date of Issuance: 10/26/2017 Effective Date: 10/16/2017
 Owner: METRO FLOOD DIVERSION AUTHORITY Owner's Contract No.: WP-43E.2.F
 Owner's Representative: CH2M HILL Engineers, Inc. Owner's Representative Project No.: 435534
 Contractor: Landwehr Construction, Inc Contractor's Project No.: _____
 Engineer: Houston-Moore Group, LLC Work Package No.: WP-43E.2.F
 Project: Residential Demolition Contract Name: Oxbow-Hickson-Bakke Ring Levee

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

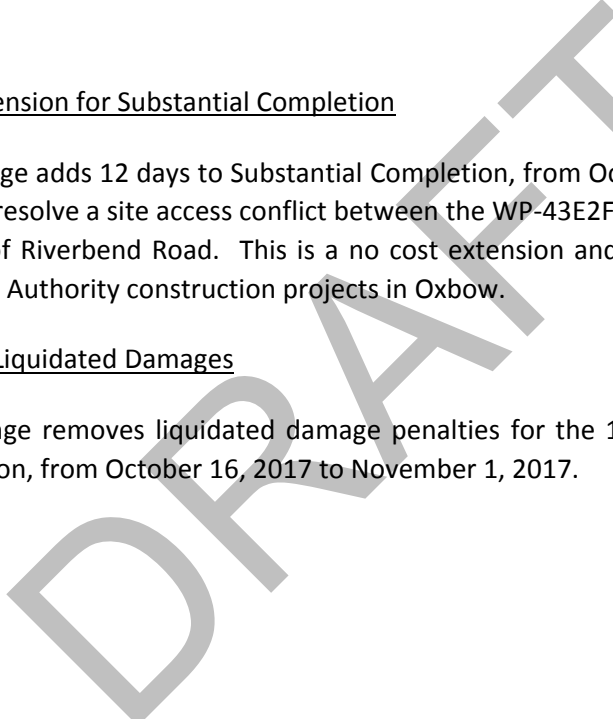
Description:

1. Time Extension for Substantial Completion

This change adds 12 days to Substantial Completion, from October 16, 2017 to November 1, 2017, to resolve a site access conflict between the WP-43E2F and WP-43CD contractors for a portion of Riverbend Road. This is a no cost extension and it will not it impact any other Diversion Authority construction projects in Oxbow.

2. Remove Liquidated Damages

This change removes liquidated damage penalties for the 12 day extension of Substantial Completion, from October 16, 2017 to November 1, 2017.



Attachments:

1. Signed Agreement Letter with Landwehr Construction, Inc dated October 9, 2017

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: 234,593.50	Original Contract Times: Substantial Completion: <u>October 16, 2017</u> Ready for Final Payment: <u>May 31, 2018</u>
Contract Price prior to this Change Order: 234,593.50	Contract Times prior to this Change Order: Substantial Completion: <u>October 16, 2017</u> Ready for Final Payment: <u>May 31, 2018</u>
[Increase] [Decrease] of this Change Order:	[Increase] [Decrease] of this Change Order: Substantial Completion: add 12 days
Contract Price incorporating this Change Order: 234,593.50	Contract Times with all approved Change Orders: Substantial Completion: <u>November 1, 2017</u> Ready for Final Payment: <u>May 31, 2018</u>
RECOMMENDED:	ACCEPTED:
By: _____ Owner's Representative (Authorized Signature)	By: _____ Owner (Authorized Signature)
Name: <u>Owner's Representative</u>	Name: <u>Owner</u>
Title: <u>Nathan Boerboom</u>	Title: <u>Robert W. Wilson</u>
Date: <u>Project Manager</u>	Title: <u>Co-Executive Director</u>
	ACCEPTED:
	By: _____ Contractor (Authorized Signature)
	Name: <u>Nick Linnemann</u>
	Title: <u>Project Manager</u>
	Date: _____



FARGO-MOORHEAD AREA DIVERSION PROJECT

October 9, 2017

Landwehr Construction, Inc
P.O. Box 1086
City, State Zip St. Cloud, MN 56302

Subject: WP-43E2F, Riverbend Road Construction

Dear Mr. Linnemann

Per the discussion between Landwehr Construction and Diversion Authority on October 4, 2017, the Diversion Authority agrees to the following terms:

1. Construct a 20-ft. wide, 8-inch deep aggregate road from the new Riverbend Road to the east on the north side of the existing drainage ditch as shown in yellow highlighting on the attached drawing. This section of gravel would provide Landwehr Construction access to the project site.
2. Provide a 60-ft. wide access area with a 20 ft. wide, 8-inch deep aggregate road from the north side of the old 816 Riverbend Road driveway to the south end near the existing drainage ditch as shown in yellow highlighting on the attached drawing. Additionally, the Diversion Authority would extend the culvert to the east in the existing drainage ditch in order to for Landwehr to adequately cross the existing drainage ditch and remove the last of the structures and complete their contractual requirements. As shown on the map, the proposed stock pile of clay material will not be placed in the 60-ft access area nor the 20-ft road area.
3. Leave Riverbend Road in place East of the levee footprint until November 1, 2017
4. No liquidated damages assessed to Landwehr Construction from October 16, 2017 until November 1, 2017
5. Extend Landwehr Construction's substantial completion date until November 1, 2017

Landwehr Construction Agrees to:


1. Allow the removal of Riverbend Road from west of the levee to the north side of the old 816 Riverbend Road driveway by 7am on October 9, 2017 to allow construction of the levee. Removal of this portion of the levee will not occur until after the 20-ft wide, 8-inch deep aggregate road is in place.
2. Remove the structure currently staged in the cul-de-sac (840) as soon as possible in order to facilitate construction of Items 1 and 2 above.
3. Maintain the newly constructed 20-ft wide, 8-inch deep aggregate road to allow for Landwehr Construction vehicle access to the other side of the levee.

If you agree to the terms, please sign the agreement and a change order will be generated for the appropriate changes.

Sincerely,

Mitchell F. Haskins
CH2M
Program Management Consultant
FM Diversion Authority

Access left open until new access
points are built
Gravel/Aggregate placed on clay
not top soil

Signature  Date 10/10/17.

cc: Nathan Boerboom/FMDA
Chris Gross/HMG