



Change Order No. 02

Date of Issuance:	<u>08/13/2015</u>	Effective Date:	<u>08/13/2015</u>
Owner:	<u>Metro Flood Diversion Authority</u>	Owner's Contract No.:	<u>WP-42A.1/A.3</u>
Owner's Representative:	<u>CH2M HILL Engineers, Inc.</u>	Owner's Representative Project No.:	<u>435534</u>
Contractor:	<u>ICS, Inc.</u>	Contractor's Project No.:	<u>1114</u>
Engineer:	<u>Houston-Moore Group, LLC</u>	Work Package No.:	<u>WP-42A.1/A.3</u>
Project:	<u>Fargo-Moorhead Area Diversion</u>	Contract Name:	<u>4th Street Pump Station and Gatewell and 2nd Street Floodwall South</u>

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

Description:

1. VARIOUS MODIFICATIONS

- a. Add one new plan sheet and replace 24 existing plan sheets with the Change Order 2 sheets dated 8/13/15 to accommodate changes to the design for water main location as requested by City of Fargo, storm water revisions, and other various design changes.
- b. Incorporate attached Change Order 2 Unit Price Schedule dated 8/13/15 into Contract Price to accommodate new quantities for items affected by the Change Order 2 drawings, plus the following new line items:
 - i. *0149, Plug Pipe 6" Dia*
 - ii. *0150, F&I Flared End Section 48" Dia Reinf Conc*
 - iii. *0151, Connect Water Service*
 - iv. *0152, F&I Pipe 1" Dia Copper*
 - v. *0153, F&I Pipe w/GB C900 DR 18 - 6" Dia PVC*
 - vi. *0154, Special Order Asbestos Fittings*

2. UNKNOWN STRUCTURES INVESTIGATION AND ABANDONMENT (WCD-02 AND WCD-03)

- a. Incorporate Work Change Directives 2 and 3 into Contract Price by adding line item *0155, Unknown Structures* as shown in attached Change Order 2 Unit Price Schedule dated 8/13/15.

3. CHANGE ORDER 1 FIELD CHANGES

- a. Add line item *0156, CO-01 Field Changes* as shown in attached Change Order 2 Unit Price Schedule dated 8/13/15 to accommodate additional work necessary to complete the scope authorized under Change Order 1 including:
 - i. 12" reinforced concrete pipe necessary to replace existing pipe which was found to be deficient upon excavation for the jack and bore operation.

- ii. Disconnection and reconnection of parking lot electrical outlet pedestals impacted by the warming house electrical service work.

4. OTHER REQUIREMENTS

- a. Add line item *0157, CO-02 Misc Requirements* as shown in attached Change Order 2 Unit Price Schedule dated 8/13/15 to accommodate additional work required on various components of the project:
 - i. City of Fargo requests to add spare electrical conduit per RFI-056 and provide additional traffic control striping on 4th Street.
 - ii. Archeological inspection after excavation of potentially significant artifacts discovered within the project limits.
 - iii. Disposal of unknown buried concrete debris excavated from within the project limits.
 - iv. Relocation of an unknown electrical service line discovered during excavation for ST-3.
 - v. Dewatering of ST-3 excavation after discovery of multiple unknown pipes carrying significant water.

5. EXTENSIONS TO CONTRACT TIMES

- a. Increase Contract Times by 3 days to accommodate delays caused by unusual weather in May 2015. Extension applies to all milestones, substantial completion, and final completion.
- b. Increase Contract Times by 14 days to accommodate delays caused by the mystery manhole. Extension applies to the milestones for the Fargo Highrise parking lot and 2nd Street Floodwall.
- c. Resulting changes to Contract Times are as follows:
 - i. Delete “2nd Street Floodwall North of 2nd Street” from Agreement paragraph 4.02.A.2 to clarify that floodwall construction is not part of the November 1, 2015 milestone for 2nd Street, but that completion for other 2nd Street construction items is still required by November 1, 2015.
 - ii. Add paragraph 4.02.A.2.a which reads “**2nd Street Floodwall North of 2nd Street: November 18, 2015**” to clarify that floodwall construction previously associated with the milestone in paragraph 4.02.A.2 is extended to accommodate weather and mystery manhole delays.
 - iii. Change date for completion of Fargo Highrise west parking lot in Agreement paragraph 4.02.A.3 from August 15, 2015 (as modified under Change Order 1) to **September 1, 2015**.
 - iv. Change date for completion of Fargo Highrise east parking lot in Agreement paragraph 4.02.A.4 from September 4, 2015 (as modified under Change Order 1) to **September 21, 2015**.
 - v. Change date for completion of pump station, yard piping, outfall gatewell, and levee modifications in Agreement paragraph 4.02.A.5 from November 13, 2015 to **November 16, 2015**.
 - vi. Change date for completion of demolition of existing pump stations in Agreement paragraph 4.02.A.6 from January 29, 2016 to **February 1, 2016**.
 - vii. Change date for completion of generator building and floodwall south of 2nd Street in Agreement paragraph 4.02.A.7 from September 5, 2016 to **September 8, 2016**.

viii. Change date for substantial completion in Agreement 4.02.B from September 5, 2016 to **September 8, 2016** and for readiness for final payment from November 11, 2016 to **November 14, 2016**.

Attachments:

- Change Order 2 Unit Price Schedule dated 8/13/15
- Change Order 2 drawings summary
- Change Order 2 drawings dated 8/13/15 (not included but incorporated by reference)

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES <i>[note changes in Milestones if applicable]</i>
Original Contract Price: 17,361,616.35	Original Contract Times: Milestone 4.02.A.03: <u>July 31, 2015</u> Milestone 4.02.A.04: <u>August 20, 2016</u>
[Increase] [Decrease] from previously approved Change Orders No. <u>01</u> : 268,555.24	[Increase] [Decrease] from previously approved Change Orders No. <u>01</u> : Milestone 4.02.A.03: <u>15 days</u> Milestone 4.02.A.03: <u>15 days</u>
Contract Price prior to this Change Order: 17,630,171.59	Contract Times prior to this Change Order: Milestone 4.02.A.03: <u>August 15, 2015</u> Milestone 4.02.A.04: <u>September 4, 2015</u>
[Increase] [Decrease] of this Change Order: 176,462.97	[Increase] [Decrease] of this Change Order: All milestones: <u>3 days</u> Milestone 4.02.A.02.a: <u>14 additional days</u> Milestone 4.02.A.03: <u>14 additional days</u> Milestone 4.02.A.04: <u>14 additional days</u>
Contract Price incorporating this Change Order: 17,806,634.56	Contract Times with all approved Change Orders: Milestone 4.02.A.02: <u>November 1, 2015</u> Milestone 4.02.A.02.a: <u>November 18, 2015</u> Milestone 4.02.A.03: <u>September 1, 2015</u> Milestone 4.02.A.04: <u>September 21, 2015</u> Milestone 4.02.A.05: <u>November 16, 2015</u> Milestone 4.02.A.06: <u>February 1, 2016</u> Milestone 4.02.A.07: <u>September 8, 2016</u> Substantial Completion: <u>September 8, 2016</u> Readiness for Final Payment: <u>November 14, 2016</u>

<p>RECOMMENDED:</p> <p>By: _____ Owner's Representative (Authorized Signature)</p> <p>Title: <u>Construction Manager</u></p> <p>Date: <u>08/13/2015</u></p>	<p>ACCEPTED:</p> <p>By: _____ Owner (Authorized Signature)</p> <p>Title: _____</p> <p>Date: _____</p>	<p>ACCEPTED:</p> <p>By: _____ Contractor (Authorized Signature)</p> <p>Title: _____</p> <p>Date: _____</p>
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WP-42A.1/A.3

4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 2 Unit Price Schedule

DATE: 8/13/2015



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-01)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0001	Mobilization	LS	1	\$ 350,000.00	\$ 350,000.00	0	\$ -	\$ -	1	\$ 350,000.00	\$ 350,000.00
0002	Remove Sanitary Sewer Manhole	EA	2	1,100	\$ 2,200.00	0	\$ -	\$ -	2	\$ 1,100.00	\$ 2,200.00
0003	F&I Pipe SDR 26 - 10" Dia PVC	LF	145	70	\$ 10,150.00	0	\$ -	\$ -	145	\$ 70.00	\$ 10,150.00
0004	Remove Sanitary Sewer Pipe All Sizes All Types	LF	140	11	\$ 1,540.00	0	\$ -	\$ -	140	\$ 11.00	\$ 1,540.00
0005	Rem & Repl Sanitary Sewer Casting - Floating Manhole	EA	1	800	\$ 800.00	0	\$ -	\$ -	1	\$ 800.00	\$ 800.00
0006	Sanitary Sewer Manhole	EA	2	4,500	\$ 9,000.00	0	\$ -	\$ -	2	\$ 4,500.00	\$ 9,000.00
0007	Sanitary Sewer Exterior Drop Manhole	EA	1	12,000	\$ 12,000.00	0	\$ -	\$ -	1	\$ 12,000.00	\$ 12,000.00
0008	F&I 5" Hydrant	EA	2	6,000	\$ 12,000.00	0	\$ -	\$ -	2	\$ 6,000.00	\$ 12,000.00
0009	Salvage Hydrant	EA	1	600	\$ 600.00	1	\$ -	\$ 600.00	2	\$ 600.00	\$ 1,200.00
0010	F&I Pipe C900 DR 18 - 6" Dia PVC	LF	332	60	\$ 19,920.00	147	\$ -	\$ 8,820.00	479	\$ 60.00	\$ 28,740.00
0011	F&I Pipe C900 DR 18 - 10" Dia PVC	LF	416	65	\$ 27,040.00	0	\$ -	\$ -	416	\$ 65.00	\$ 27,040.00
0012	Remove Water Main Pipe All Sizes All Types	LF	611	11	\$ 6,721.00	86	\$ -	\$ 946.00	697	\$ 11.00	\$ 7,667.00
0013	F&I Gate Valve 6" Dia	EA	4	2,200	\$ 8,800.00	1	\$ -	\$ 2,200.00	5	\$ 2,200.00	\$ 11,000.00
0014	F&I Gate Valve 10" Dia	EA	3	4,000	\$ 12,000.00	0	\$ -	\$ -	3	\$ 4,000.00	\$ 12,000.00
0015	Watermain Fittings	LBS	3,727	12	\$ 44,724.00	430	\$ -	\$ 5,160.00	4,157	\$ 12.00	\$ 49,884.00
0016	F&I Overflow Structure	EA	1	18,000	\$ 18,000.00	0	\$ -	\$ -	1	\$ 18,000.00	\$ 18,000.00
0017	F&I Manhole 4' Dia Reinf Conc	EA	3	5,000	\$ 15,000.00	0	\$ -	\$ -	3	\$ 5,000.00	\$ 15,000.00
0018	F&I Manhole 5' Dia Reinf Conc	EA	1	5,000	\$ 5,000.00	0	\$ -	\$ -	1	\$ 5,000.00	\$ 5,000.00
0019	F&I Manhole 6' Dia Reinf Conc	EA	2	20,000	\$ 40,000.00	0	\$ -	\$ -	2	\$ 20,000.00	\$ 40,000.00
0020	F&I Manhole 7' Dia Reinf Conc	EA	3	22,000	\$ 66,000.00	0	\$ -	\$ -	3	\$ 22,000.00	\$ 66,000.00
0021	F&I Manhole Type E Reinf Conc	EA	2	70,000	\$ 140,000.00	0	\$ -	\$ -	2	\$ 70,000.00	\$ 140,000.00
0022	F&I Manhole Type E Reinf Conc (ST-4)	EA	1	250,000	\$ 250,000.00	0	\$ -	\$ -	1	\$ 250,000.00	\$ 250,000.00
0023	F&I Manhole Type E Reinf Conc (ST-3)	EA	1	225,000	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0024	F&I Manhole Type E Reinf Conc (ST-2)	EA	1	225,000	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0025	F&I Manhole Type E Reinf Conc (ST-1)	EA	1	225,000	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0026	Remove Storm Sewer Manhole	EA	5	600	\$ 3,000.00	0	\$ -	\$ -	5	\$ 600.00	\$ 3,000.00
0027	F&I Inlet - Manhole (MHI) 4' Dia Reinf Conc	EA	2	5,000	\$ 10,000.00	(1)	\$ -	\$ (5,000.00)	1	\$ 5,000.00	\$ 5,000.00

WP-42A.1/A.3

4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 2 Unit Price Schedule

DATE: 8/13/2015



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-01)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0028	F&I Inlet - Manhole (MHI) 6' Dia Reinf Conc	EA	1	15,000	\$ 15,000.00	0	\$ -	\$ -	1	\$ 15,000.00	\$ 15,000.00
0029	F&I Inlet - Single Box (SBI) Reinf Conc	EA	1	5,000	\$ 5,000.00	0	\$ -	\$ -	1	\$ 5,000.00	\$ 5,000.00
0030	F&I Inlet - Double Box (DBI) Reinf Conc	EA	1	7,000	\$ 7,000.00	0	\$ -	\$ -	1	\$ 7,000.00	\$ 7,000.00
0031	F&I Inlet - Special (SPI) Reinf Conc	EA	2	2,000	\$ 4,000.00	0	\$ -	\$ -	2	\$ 2,000.00	\$ 4,000.00
0032	Riprap (Outlet)	CY	410	125	\$ 51,250.00	0	\$ -	\$ -	410	\$ 125.00	\$ 51,250.00
0033	Box Culvert End Section with Grate	EA	1	25,000	\$ 25,000.00	0	\$ -	\$ -	1	\$ 25,000.00	\$ 25,000.00
0034	PLUG PIPE 33" DIA.	EA	1	1,500	\$ 1,500.00	0	\$ -	\$ -	1	\$ 1,500.00	\$ 1,500.00
0035	PLUG PIPE 72" DIA.	EA	1	3,300	\$ 3,300.00	0	\$ -	\$ -	1	\$ 3,300.00	\$ 3,300.00
0036	PLUG PIPE 78" DIA.	EA	2	4,500	\$ 9,000.00	0	\$ -	\$ -	2	\$ 4,500.00	\$ 9,000.00
0037	F&I Pipe 18" Dia Reinf Conc	LF	291	95	\$ 27,645.00	0	\$ -	\$ -	291	\$ 95.00	\$ 27,645.00
0038	F&I Pipe 24" Dia Reinf Conc	LF	86	120	\$ 10,320.00	0	\$ -	\$ -	86	\$ 120.00	\$ 10,320.00
0039	F&I Pipe 30" Dia Reinf Conc	LF	137	220	\$ 30,140.00	0	\$ -	\$ -	137	\$ 220.00	\$ 30,140.00
0040	F&I Pipe 36" Dia Reinf Conc	LF	8	250	\$ 2,000.00	0	\$ -	\$ -	8	\$ 250.00	\$ 2,000.00
0041	F&I Pipe 48" Dia Reinf Conc	LF	79	300	\$ 23,700.00	0	\$ -	\$ -	79	\$ 300.00	\$ 23,700.00
0042	F&I Pipe 54" Dia Reinf Conc	LF	79	800	\$ 63,200.00	0	\$ -	\$ -	79	\$ 800.00	\$ 63,200.00
0043	F&I Pipe 72" Dia Reinf Conc	LF	51	900	\$ 45,900.00	0	\$ -	\$ -	51	\$ 900.00	\$ 45,900.00
0044	F&I Pipe 12" Dia PVC	LF	99	120	\$ 11,880.00	0	\$ -	\$ -	99	\$ 120.00	\$ 11,880.00
0045	Remove Storm Sewer Pipe All Sizes All Types	LF	2,788	85	\$ 236,980.00	0	\$ -	\$ -	2,788	\$ 85.00	\$ 236,980.00
0046	30" Flapgate	EA	-	25,000	\$ -	0	\$ -	\$ -	-	\$ 25,000.00	\$ -
0047	54" Flapgate	EA	1	30,000	\$ 30,000.00	0	\$ -	\$ -	1	\$ 30,000.00	\$ 30,000.00
0048	F&I Pipe w/GB 30" Dia Reinf Conc	LF	240	1,100	\$ 264,000.00	0	\$ -	\$ -	240	\$ 1,100.00	\$ 264,000.00
0049	F&I Pipe w/GB 36" Dia Reinf Conc	LF	88	1,200	\$ 105,600.00	0	\$ -	\$ -	88	\$ 1,200.00	\$ 105,600.00
0050	F&I Pipe w/GB 54" Dia Reinf Conc	LF	19	2,000	\$ 38,000.00	0	\$ -	\$ -	19	\$ 2,000.00	\$ 38,000.00
0051	F&I Box Culvert 8'x5' Wide Reinf Conc Cast in Place with depth of fill 1' to 10'	LF	495	1,500	\$ 742,500.00	0	\$ -	\$ -	495	\$ 1,500.00	\$ 742,500.00
0052	F&I Box Culvert 8'x5' Wide Reinf Conc Cast in Place with depth of fill 10' to 31'	LF	128	2,800	\$ 358,400.00	0	\$ -	\$ -	128	\$ 2,800.00	\$ 358,400.00
0053	F&I Box Culvert 8'x5' Wide Reinf Conc Precast	LF	186	1,300	\$ 241,800.00	0	\$ -	\$ -	186	\$ 1,300.00	\$ 241,800.00
0054	Remove Pavement All Thicknesses All Types	SY	8,226	10	\$ 82,260.00	0	\$ -	\$ -	8,226	\$ 10.00	\$ 82,260.00

WP-42A.1/A.3

4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 2 Unit Price Schedule

DATE: 8/13/2015



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-01)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0055	Subgrade Preparation	SY	10,496	5	\$ 47,232.00	0	\$ -	\$ -	10,496	\$ 4.50	\$ 47,232.00
0056	F&I Woven Geotextile	SY	10,496	3	\$ 26,240.00	0	\$ -	\$ -	10,496	\$ 2.50	\$ 26,240.00
0057	F&I Class 5 Agg - 6" Thick	SY	5,578	10	\$ 55,780.00	0	\$ -	\$ -	5,578	\$ 10.00	\$ 55,780.00
0058	F&I Class 5 Agg - 7" Thick	SY	2,294	12	\$ 27,528.00	(82)	\$ -	\$ (984.00)	2,212	\$ 12.00	\$ 26,544.00
0059	F&I Class 5 Agg - 8" Thick	SY	733	13	\$ 9,529.00	0	\$ -	\$ -	733	\$ 13.00	\$ 9,529.00
0060	F&I Class 5 Agg - 12" Thick	SY	1,891	20	\$ 37,820.00	82	\$ -	\$ 1,640.00	1,973	\$ 20.00	\$ 39,460.00
0061	F&I Crushed Conc - 6" Thick	SY	120	13	\$ 1,560.00	0	\$ -	\$ -	120	\$ 13.00	\$ 1,560.00
0062	F&I Curb & Gutter Standard (Type II)	LF	2,030	40	\$ 81,200.00	0	\$ -	\$ -	2,030	\$ 40.00	\$ 81,200.00
0063	Remove Curb & Gutter	LF	1,924	10	\$ 19,240.00	0	\$ -	\$ -	1,924	\$ 10.00	\$ 19,240.00
0064	F&I Pavement 6" Thick Reinf Conc	SY	3,744	66	\$ 247,104.00	0	\$ -	\$ -	3,744	\$ 66.00	\$ 247,104.00
0065	F&I Pavement 7" Thick Reinf Conc	SY	1,484	75	\$ 111,300.00	0	\$ -	\$ -	1,484	\$ 75.00	\$ 111,300.00
0066	F&I Pavement 9" Thick Doweled Conc	SY	1,437	90	\$ 129,330.00	82	\$ -	\$ 7,380.00	1,519	\$ 90.00	\$ 136,710.00
0067	F&I Sidewalk 4" Thick Reinf Conc	SY	1,401	60	\$ 84,060.00	0	\$ -	\$ -	1,401	\$ 60.00	\$ 84,060.00
0068	Remove Sidewalk All Thicknesses All Types	SY	1,112	15	\$ 16,680.00	0	\$ -	\$ -	1,112	\$ 15.00	\$ 16,680.00
0069	Temp Construction Entrance	EA	4	1,700	\$ 6,800.00	0	\$ -	\$ -	4	\$ 1,700.00	\$ 6,800.00
0070	Traffic Control - Type 1	LS	1	26,000	\$ 26,000.00	0	\$ -	\$ -	1	\$ 26,000.00	\$ 26,000.00
0071	F&I Aggregate for Asph Pavement Class 29	TON	962	80	\$ 76,960.00	(32)	\$ -	\$ (2,560.00)	930	\$ 80.00	\$ 74,400.00
0072	F&I Asphalt Cement PG 58-28	GAL	13,840	4	\$ 55,360.00	(455)	\$ -	\$ (1,820.00)	13,385	\$ 4.00	\$ 53,540.00
0073	F&I Impressioned 4" Thick Reinf Conc	SY	72	220	\$ 15,840.00	0	\$ -	\$ -	72	\$ 220.00	\$ 15,840.00
0074	F&I Det Warn Panels Cast Iron	SF	109	70	\$ 7,630.00	0	\$ -	\$ -	109	\$ 70.00	\$ 7,630.00
0075	F&I Sign Assembly	EA	18	220	\$ 3,960.00	0	\$ -	\$ -	18	\$ 220.00	\$ 3,960.00
0076	Relocate Sign Assembly	EA	13	220	\$ 2,860.00	0	\$ -	\$ -	13	\$ 220.00	\$ 2,860.00
0077	F&I Engineering Grade	SF	23	30	\$ 690.00	0	\$ -	\$ -	23	\$ 30.00	\$ 690.00
0078	F&I Diamond Grade Cubed	SF	6	40	\$ 252.00	0	\$ -	\$ -	6	\$ 40.00	\$ 252.00
0079	F&I High Intensity Prismatic	SF	28	35	\$ 966.00	0	\$ -	\$ -	28	\$ 35.00	\$ 966.00
0080	F&I Flexible Delineator	EA	2	130	\$ 260.00	0	\$ -	\$ -	2	\$ 130.00	\$ 260.00
0081	F&I Grooved Plastic Film Message	SF	80	50	\$ 4,000.00	0	\$ -	\$ -	80	\$ 50.00	\$ 4,000.00

WP-42A.1/A.3

4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 2 Unit Price Schedule

DATE: 8/13/2015



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-01)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0082	F&I Grooved Plastic Film 4" Wide	LF	1,485	10	\$ 14,850.00	0	\$ -	\$ -	1,485	\$ 10.00	\$ 14,850.00
0083	F&I Grooved Plastic Film 24" Wide	LF	72	40	\$ 2,880.00	0	\$ -	\$ -	72	\$ 40.00	\$ 2,880.00
0084	Paint Epoxy Message	SF	32	20	\$ 640.00	0	\$ -	\$ -	32	\$ 20.00	\$ 640.00
0085	Paint Epoxy Line 4" Wide	LF	3,244	6	\$ 19,464.00	0	\$ -	\$ -	3,244	\$ 6.00	\$ 19,464.00
0086	Paint Epoxy Line 8" Wide	LF	234	10	\$ 2,340.00	0	\$ -	\$ -	234	\$ 10.00	\$ 2,340.00
0087	Paint Epoxy Line 24" Wide	LF	-	20	\$ -	0	\$ -	\$ -	-	\$ 20.00	\$ -
0088	Obliterate Pavement Markings	SF	182	35	\$ 6,370.00	0	\$ -	\$ -	182	\$ 35.00	\$ 6,370.00
0089	Temp Fence - Safety	LF	2,167	6	\$ 13,002.00	0	\$ -	\$ -	2,167	\$ 6.00	\$ 13,002.00
0090	Remove Fence	LF	202	27	\$ 5,454.00	0	\$ -	\$ -	202	\$ 27.00	\$ 5,454.00
0091	Temp Pumping	LS	1	95,000	\$ 95,000.00	0	\$ -	\$ -	1	\$ 95,000.00	\$ 95,000.00
0092	Clear & Grub	LS	1	15,000	\$ 15,000.00	0	\$ -	\$ -	1	\$ 15,000.00	\$ 15,000.00
0093	Remove Tree	EA	19	600	\$ 11,400.00	0	\$ -	\$ -	19	\$ 600.00	\$ 11,400.00
0094	Silt Fence - Standard	LF	784	4	\$ 3,136.00	0	\$ -	\$ -	784	\$ 4.00	\$ 3,136.00
0095	Floating Silt Fence	LF	93	30	\$ 2,790.00	0	\$ -	\$ -	93	\$ 30.00	\$ 2,790.00
0096	Sediment Control Log 6" to 8" Dia	LF	1,130	3	\$ 3,390.00	0	\$ -	\$ -	1,130	\$ 3.00	\$ 3,390.00
0097	Inlet Protection - New Inlet	EA	7	300	\$ 2,100.00	0	\$ -	\$ -	7	\$ 300.00	\$ 2,100.00
0098	Inlet Protection - Existing Inlet	EA	9	200	\$ 1,800.00	0	\$ -	\$ -	9	\$ 200.00	\$ 1,800.00
0099	Salvage Signal Standard	EA	1	300	\$ 300.00	0	\$ -	\$ -	1	\$ 300.00	\$ 300.00
0100	Lighting System	LS	1	20,000	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0101	Propane Tanks Remove and Replace	LS	1	20,000	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0102	Replace Unsalvagable Bollards	EA	40	1,000	\$ 40,000.00	0	\$ -	\$ -	40	\$ 1,000.00	\$ 40,000.00
0103	Revise Flashing Beacon System	LS	1	15,000	\$ 15,000.00	0	\$ -	\$ -	1	\$ 15,000.00	\$ 15,000.00
0104	Revise Traffic Control System	LS	1	20,000	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0105	F&I Bus Shelter	EA	1	30,000	\$ 30,000.00	0	\$ -	\$ -	1	\$ 30,000.00	\$ 30,000.00
0106	F&I Sheet Piling - Steel	SF	168	65	\$ 10,920.00	0	\$ -	\$ -	168	\$ 65.00	\$ 10,920.00
0107	Topsoil - Strip	CY	5,706	5	\$ 28,530.00	164	\$ -	\$ 820.00	5,870	\$ 5.00	\$ 29,350.00
0108	Topsoil - Spread	CY	2,702	5	\$ 13,510.00	82	\$ -	\$ 410.00	2,784	\$ 5.00	\$ 13,920.00

WP-42A.1/A.3

4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 2 Unit Price Schedule

DATE: 8/13/2015



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-01)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0109	Embankment	CY	44,800	13	\$ 582,400.00	217	\$ -	\$ 2,821.00	45,017	\$ 13.00	\$ 585,221.00
0110	Embankment Import	CY	8,400	22	\$ 184,800.00	217	\$ -	\$ 4,774.00	8,617	\$ 22.00	\$ 189,574.00
0111	Excavation	CY	36,400	9	\$ 327,600.00	0	\$ -	\$ -	36,400	\$ 9.00	\$ 327,600.00
0112	Grading North of 2nd St S and West of 4th St S	LS	1	20,000	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0113	Mulching Type 1 - Hydro	SY	16,703	1	\$ 8,351.50	0	\$ -	\$ -	16,703	\$ 0.50	\$ 8,351.50
0114	Seeding Type B	SY	16,703	0	\$ 5,846.05	0	\$ -	\$ -	16,703	\$ 0.35	\$ 5,846.05
0115	Overseeding	SY	33,405	0	\$ 8,351.25	0	\$ -	\$ -	33,405	\$ 0.25	\$ 8,351.25
0116	Weed Control Type B	SY	16,703	0	\$ 2,505.45	0	\$ -	\$ -	16,703	\$ 0.15	\$ 2,505.45
0117	Removable Floodwall	LS	1	120,000	\$ 120,000.00	0	\$ -	\$ -	1	\$ 120,000.00	\$ 120,000.00
0118	F&I Floodwall Reinf Bars - Steel	LB	63,445	1	\$ 69,789.50	0	\$ -	\$ -	63,445	\$ 1.10	\$ 69,789.50
0119	F&I Floodwall Reinf Bars - Epoxy Coated Steel	LB	59,852	1	\$ 77,807.60	0	\$ -	\$ -	59,852	\$ 1.30	\$ 77,807.60
0120	F&I Floodwall - Structural Conc	CY	828	1,100	\$ 910,800.00	0	\$ -	\$ -	828	\$ 1,100.00	\$ 910,800.00
0121	F&I Floodwall - Misc.	LS	1	225,000	\$ 225,000.00	0	\$ -	\$ -	1	\$ 225,000.00	\$ 225,000.00
0122	Demolition Pump Stations, Storm Sewers, Force Mains	LS	1	\$ 110,000.00	\$ 110,000.00	0	\$ -	\$ -	1	\$ 110,000.00	\$ 110,000.00
0123	Force Mains and Sump Pump Discharge	LS	1	\$ 600,000.00	\$ 600,000.00	0	\$ -	\$ -	1	\$ 600,000.00	\$ 600,000.00
0124	Pump Station - Structural and Architectural	LS	1	\$ 2,700,000.00	\$ 2,700,000.00	0	\$ -	\$ -	1	\$ 2,700,000.00	\$ 2,700,000.00
0125	Stormwater Pumps and Motors	LS	1	\$ 1,200,000.00	\$ 1,200,000.00	0	\$ -	\$ -	1	\$ 1,200,000.00	\$ 1,200,000.00
0126	Sump Pumps	LS	1	\$ 60,000.00	\$ 60,000.00	0	\$ -	\$ -	1	\$ 60,000.00	\$ 60,000.00
0127	Trash Racks and Miscellaneous Metals	LS	1	\$ 320,000.00	\$ 320,000.00	0	\$ -	\$ -	1	\$ 320,000.00	\$ 320,000.00
0128	Sluice Gates and Wall Thimbles	LS	1	\$ 250,000.00	\$ 250,000.00	0	\$ -	\$ -	1	\$ 250,000.00	\$ 250,000.00
0129	Generator Building - Structural and Architectural	LS	1	\$ 550,000.00	\$ 550,000.00	0	\$ -	\$ -	1	\$ 550,000.00	\$ 550,000.00
0130	Gatewell Structural	LS	1	\$ 870,000.00	\$ 870,000.00	0	\$ -	\$ -	1	\$ 870,000.00	\$ 870,000.00
0131	Gatewell - Miscellaneous Metals	LS	1	\$ 100,000.00	\$ 100,000.00	0	\$ -	\$ -	1	\$ 100,000.00	\$ 100,000.00
0132	Sheetpiling (Pump Station)	LS	1	\$ 1,200,000.00	\$ 1,200,000.00	0	\$ -	\$ -	1	\$ 1,200,000.00	\$ 1,200,000.00
0133	Health and Safety	LS	1	\$ 165,000.00	\$ 165,000.00	0	\$ -	\$ -	1	\$ 165,000.00	\$ 165,000.00
0134	Diesel Generator	LS	1	\$ 385,000.00	\$ 385,000.00	0	\$ -	\$ -	1	\$ 385,000.00	\$ 385,000.00
0135	Switchboard SWBDA, Motor Control Center MCLA, Automatic Transfer Switch, Panel HP1	LS	1	\$ 280,000.00	\$ 280,000.00	0	\$ -	\$ -	1	\$ 280,000.00	\$ 280,000.00

WP-42A.1/A.3

4th Street Pump Station and Gatewell - 2nd Street Floodwall South

Change Order 2 Unit Price Schedule

DATE: 8/13/2015



WP-42A.1/A.3 - 4th Street Pump Station and Gatewell - 2nd Street Floodwall South											
ITEM	DESCRIPTION	UNIT	Current Budget (thru CO-01)			Net Change			New Budget		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	UNIT PRICE	AMOUNT
0136	Electrical-Interior	LS	1	\$ 105,000.00	\$ 105,000.00	0	\$ -	\$ -	1	\$ 105,000.00	\$ 105,000.00
0137	Electrical-Exterior	LS	1	\$ 155,000.00	\$ 155,000.00	0	\$ -	\$ -	1	\$ 155,000.00	\$ 155,000.00
0138	Instrumentation and Controls	LS	1	\$ 25,000.00	\$ 25,000.00	0	\$ -	\$ -	1	\$ 25,000.00	\$ 25,000.00
0139	Programming	LS	1	\$ 4,300.00	\$ 4,300.00	0	\$ -	\$ -	1	\$ 4,300.00	\$ 4,300.00
0140	HVAC – General	LS	1	\$ 20,000.00	\$ 20,000.00	0	\$ -	\$ -	1	\$ 20,000.00	\$ 20,000.00
0141	Plumbing General	LS	1	\$ 9,570.00	\$ 9,570.00	0	\$ -	\$ -	1	\$ 9,570.00	\$ 9,570.00
0142	Generator Accessories, Fuel Storage and Fuel System	LS	1	\$ 156,200.00	\$ 156,200.00	0	\$ -	\$ -	1	\$ 156,200.00	\$ 156,200.00
0143	Plug Pipe 30" Dia.	EA	1	\$ 860.00	\$ 860.00	0	\$ -	\$ -	1	\$ 860.00	\$ 860.00
0144	F&I Curb & Gutter Standard (Type I)	LF	281	\$ 43.00	\$ 12,083.00	0	\$ -	\$ -	281	\$ 43.00	\$ 12,083.00
0145	F&I Grooved Plastic Film 8" Wide	LF	224	\$ 13.00	\$ 2,912.00	0	\$ -	\$ -	224	\$ 13.00	\$ 2,912.00
0146	F&I Pipe 15" Dia Reinf Conc	LF	81	\$ 82.31	\$ 6,667.11	(63)	\$ -	\$ (5,185.53)	18	\$ 82.31	\$ 1,481.58
0147	Warming House Electrical Service	LS	1	\$ 49,834.89	\$ 49,834.89	0	\$ -	\$ -	1	\$ 49,834.89	\$ 49,834.89
0148	Bore 36" Pipe	LS	1	\$ 80,566.24	\$ 80,566.24	0	\$ -	\$ -	1	\$ 80,566.24	\$ 80,566.24
0149	Plug Pipe 6" Dia	EA	-	\$ -	\$ -	3	\$ 439.69	\$ 1,319.07	3	\$ 439.69	\$ 1,319.07
0150	F&I Flared End Section 48" Dia Reinf Conc	EA	-	\$ -	\$ -	1	\$ 5,119.28	\$ 5,119.28	1	\$ 5,119.28	\$ 5,119.28
0151	Connect Water Service	EA	-	\$ -	\$ -	2	\$ 2,643.38	\$ 5,286.76	2	\$ 2,643.38	\$ 5,286.76
0152	F&I Pipe 1" Dia Copper	LF	-	\$ -	\$ -	124	\$ 49.35	\$ 6,119.40	124	\$ 49.35	\$ 6,119.40
0153	F&I Pipe w/GB C900 DR 18 - 6" Dia PVC	LF	-	\$ -	\$ -	80	\$ 193.20	\$ 15,456.00	80	\$ 193.20	\$ 15,456.00
0154	Special Order Asbestos Fittings	EA	-	\$ -	\$ -	1	\$ 5,484.57	\$ 5,484.57	1	\$ 5,484.57	\$ 5,484.57
0155	Unknown Structures	LS	-	\$ -	\$ -	1	\$ 87,262.68	\$ 87,262.68	1	\$ 87,262.68	\$ 87,262.68
0156	CO-01 Field Changes	LS	-	\$ -	\$ -	1	\$ 14,998.89	\$ 14,998.89	1	\$ 14,998.89	\$ 14,998.89
0157	CO-02 Misc Requirements	LS	-	\$ -	\$ -	1	\$ 15,394.85	\$ 15,394.85	1	\$ 15,394.85	\$ 15,394.85
42A.1/A.3 - TOTAL AMOUNT			CURRENT BUDGET		\$ 17,630,171.59	NET CHANGE		\$ 176,462.97	NEW BUDGET		\$ 17,806,634.56

CHANGE ORDER NO. 2

4th Street Pump Station and Gatewell, 2nd Street Floodwall South

Work Package 42A.1/A.3

August 13, 2015

SUMMARY OF DRAWINGS CHANGES

1. Replace sheet X-040-1 with attached CO #2 sheet X-040-1: Changes include added watermain removal, added abandon watermain, removing an existing hydrant and valve, and plugging existing watermain pipe in multiple locations.
2. Replace sheet X-040-2 with attached CO #2 sheet X-040-2: Changes include added watermain removal, added abandon watermain, removing an existing hydrant and valve, and plugging existing watermain pipe in multiple locations.
3. Replace sheet C-004-1 with attached CO#2 sheet C-004-1: Changes include the addition of proposed watermain crossing 2nd St South, and the addition of the 1" Copper water service to the existing Sanitary Sewer lift station. Removed ST-3.2, and pipe connecting ST-3.1 to ST-3.2. Adjusted the concrete and bituminous paving line approximately 20 LF to the west.
4. Replace sheet C-050-1 with attached CO#2 sheet C-050-1: Changes include updated Rim elevations for ST-3.1. Removed structure ST-3.2. Removed 62.47 LF of 15" RCP pipe.
5. Replace sheet C-055-1 with attached CO#2 sheet C-055-1: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting ST-3.1 to ST-3.2. ST-3.1 Rim adjusted. Removed watermain pipe adjusted.
6. Replace sheet C-055-2 with attached CO#2 sheet C-055-2: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting ST-3.1 to ST-3.2. ST-3.1 Rim adjusted. Removed watermain pipe adjusted.
7. Added sheet C-055-2A to show existing structure abandonment.
8. Replace sheet C-055-3 with attached CO#2 sheet C-055-3: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting ST-3.1 to ST-3.2. ST-3.1 Rim adjusted. Removed watermain pipe adjusted.
9. Replace sheet C-055-4 with attached CO#2 sheet C-055-4: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting ST-3.1 to ST-3.2. Removed watermain pipe adjusted.
10. Replace sheet C-055-5 with attached CO#2 sheet C-055-5: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting S- 3.1 to ST-3.2. The watermain profile was adjusted to stay 7.5' bury depth. ST-3.1 Rim adjusted. Removed watermain pipe adjusted.
11. Replace sheet C-055-6 with attached CO#2 sheet C-055-6: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting ST-3.1 to ST-3.2. Removed watermain pipe adjusted.

12. Replace sheet C-055-7 with attached CO#2 sheet C-055-7: Changes include adjusting the proposed watermain alignment, and adding the 1" Copper service to the existing Sanitary Sewer lift station. Removed ST-3.2 and pipe connecting ST-3.1 to ST-3.2. ST-3.1 Rim adjusted.
13. Replace sheet C-055-8 with attached CO#1 sheet C-055-8: Changes include removing ST-3.2 and pipe connecting ST 3.1 to 3.2. The grading around the Generator building and Pump Station was adjusted. Contour lines around the concrete slab were adjusted. ST-3.1 Rim adjusted.
14. Replace sheet C-060-1 with attached CO#2 sheet C-060-1: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Removed watermain pipe adjusted. Proposed watermain alignment updated. Adjusted the concrete and bituminous paving line approximately 20 LF to the west.
15. Replace sheet C-060-2 with attached CO#2 sheet C-060-2: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Removed watermain pipe adjusted. Proposed watermain alignment updated. Adjusted the concrete and bituminous paving line approximately 20 LF to the west.
16. Replace sheet C-070-1 with attached CO#2 sheet C-070-1: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Removed watermain pipe adjusted. Proposed watermain alignment updated. Grading south of 2nd St s adjusted.
17. Replace sheet C-070-2 with attached CO#2 sheet C-070-2: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Proposed watermain alignment updated. Grading south of 2nd St s adjusted.
18. Replace sheet C-075-1 with attached CO#2 sheet C-075-1: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Grading south of 2nd St s adjusted.
19. Replace sheet C-075-2 with attached CO#2 sheet C-075-2: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Grading south of 2nd St s adjusted.
20. Replace sheet C-075-3 with attached CO#2 sheet C-075-3: Changes include the removal of ST-3.2, and the pipe connecting ST-3.1 to ST-3.2. Grading south of 2nd St s adjusted.
21. Replace sheet C-200-6 with attached CO#2 sheet C-200-6: Changes include revised cross section.
22. Replace sheet C-200-7 with attached CO#2 sheet C-200-7: Changed include revised cross section.
23. Replace sheet C-200-8 with attached CO#2 sheet C-200-8: Changes include revised cross section.
24. Replace sheet C-200-9 with attached CO#2 sheet C-200-9: Changes include revised cross section.
25. Replace sheet C-200-10 with attached CO#2 sheet C-200-10: Changes include revised cross section.

WP-42A.1/A.3

4th Street Pump Station and Gatewell and 2nd Street Floodwall South



Change Order 2 Review Summary

8/12/2015

CATEGORY	ITEM DESCRIPTION	COST	TIME	COMMENTS
Various Modifications	Design changes to multiple sheets	58,806.55	0	Design changes and revised quantities from Engineer. Price based on existing and new unit rates. New rates reviewed and confirmed by Engineer with details below.
Various Modifications	New Unit Rate - Plug Pipe 6" Dia	incl.	-	3 EA at \$439.69/EA. Plugging water main near existing sanitary sewer lift station. Rate is based on 2 asbestos and 1 PVC and includes Prime Contractor markup. Recent low bidder on another project proposed \$900/EA for plugging asbestos pipe.
Various Modifications	New Unit Rate - F&I Flared End Section 48" Dia Reinf Conc	incl.	-	1 EA at \$5,119.28/EA. Higher than typical pricing but Engineer considers this acceptable given project circumstances. Master Works average price is \$3,400 with high at \$4,500. Rate includes Prime Contractor markup.
Various Modifications	New Unit Rate - Connect Water Service	incl.	-	2 EA at \$2,643.38/EA. Based on copper pipe and includes saddle, corporation stops, curb stops, and curb box. Rate includes Prime Contractor markup.
Various Modifications	New Unit Rate - F&I Pipe 1" Dia Copper	incl.	-	124 LF at \$49.35/LF. High end of normal but Engineer considers this within acceptable range, especially considering small quantity. Rate includes Prime Contractor markup.
Various Modifications	New Unit Rate - F&I Pipe w/GB C900 DR 18 - 6" Dia PVC	incl.	-	80 LF at \$193/LF. High end of normal but Engineer considers this within acceptable range, especially considering small quantity. Recent low bidder on another project proposed \$183/LF for same scope. Rate includes Prime Contractor markup.
Various Modifications	New Unit Rate - Special Order Asbestos Fittings	incl.	-	1 EA at \$5,484.57/EA. Engineer reviewed rate with subcontractor and considers it acceptable. Rate includes Prime Contractor markup.
	Various Modifications Subtotal	58,806.55	0	

Unknown Structures	Investigation - Reiner, exploratory excavation at Gatewell C	1,912.50	0	Authorized under WCD-002 and performed in coordination with Owner's Rep and Engineer. Remove top portion of structure to provide access for further investigation. Hours and rates reviewed.
Unknown Structures	Investigation - Jet Way, manhole cleaning	1,303.50	0	Authorized under WCD-002 and performed in coordination with Owner's Rep and Engineer. Clean debris and sediment from pipe to allow access for City camera.
Unknown Structures	Investigation - Jet Way, clean and video	7,907.50	0	Authorized under WCD-002 and performed in coordination with Owner's Rep and Engineer. More cleaning and further camera investigation to continue where City camera could not proceed.
Unknown Structures	Investigation - Reiner, exploratory excavation and support to Jet Way at both Gatewell C and MH #7	13,565.00	0	Actual costs for Reiner's support in various investigative activities authorized under WCD-002 and performed in coordination with Owner's Rep and Engineer. Worked included excavation of MH #7, installation of trench box, dewatering, and other assistance to Jetway in camera/cleaning operations. Labor component of this cost was over 111 hours, but duration spans a month (6/8 to 7/6) and activities are supported by Owner's Rep and Engineer field notes. Rates reviewed and acceptable.
Unknown Structures	Abandonment - Reiner, abandon Gatewell C	16,395.00	0	Quote for abandoning Gatewell C as directed in WCD-003 technical requirements. Hours, rates, and equipment reviewed and acceptable.
Unknown Structures	Abandonment - Reiner, abandon MH #7	16,000.00	0	Quote for abandoning MH #7 as well as doing earthwork associated with ICS sheet pile installation. Hours, rates, equipment, and materials reviewed and acceptable.
Unknown Structures	Abandonment - Subsurface, Inc., grout pumping	16,500.00	0	Quote for filling pipes with expanding polyurethane groute. Slightly higher than anticipated but this is essentially "sole source" work. Owner's Rep, Engineer, and City rep are comfortable with the cost considering the solution meets USACE expectations.
Unknown Structures	ICS - 5% markup on subcontractor costs	3,679.18	0	Prime Contractor markup on subcontractor work.
Unknown Structures	Abandonment - ICS, sheet piling	10,000.00	0	Quote for ICS to install sheet piles as directed in WCD-003 technical requirements. Based on approx 216 SF of sheeting at \$46.30/SF. Rate reviewed and acceptable.
Unknown Structures	Time extension	0.00	14	Time extension to account for delays while Engineer and USACE deliberated on technical solution for structure and pipe abandonment. Owner's Rep agrees with the schedule impact. Extension only applies to the milestone dates for the parking lot and 2nd Street.
	Unknown Structures Subtotal	87,262.68	14	

CO-01 Field Changes	24' of 12" RCP at jack and bore location	3,396.86	0	Replacement of existing 12" RCP that was excavated during jack and bore operation and found to be in deficient condition. New inlet included in LS amount. Engineer verified amount is appropriate.
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WP-42A.1/A.3
4th Street Pump Station and Gatewell and 2nd Street Floodwall South



Change Order 2 Review Summary

8/12/2015

CATEGORY	ITEM DESCRIPTION	COST	TIME	COMMENTS
CO-01 Field Changes	Disconnect/reconnect parking lot electrical outlet pedestals to facilitate CO-01 warming house electrical scope	10,887.80	0	Pedestals were in conflict with warming house electrical work (authorized under CO-01) and had to be removed and replaced to permit completion of CO-01 scope. Engineer reviewed price and found it reasonable.
CO-01 Field Changes	ICS - 5% markup on subcontractor costs	714.23	0	Prime Contractor markup on subcontractor work.
CO-01 Field Changes Subtotal		14,998.89	0	

CO-02 Misc	Fusion - Spare electrical conduit per RFI-056	2,000.00	0	Per City of Fargo request. Engineer reviewed price.
CO-02 Misc	3D Specialties - Additional traffic striping on 4th St per City request	1,520.00	0	Per City of Fargo request. Engineer reviewed price.
CO-02 Misc	Beaver Creek - Archeological inspection	1,000.00	0	Potential artifacts found during excavation. Archeologist investigation necessary to comply with USACE expectations. Price consistent with other recent pricing.
CO-02 Misc	Reiner - Disposal of unknown buried concrete debris	1,397.50	0	Significant existing concrete debris discovered during excavation. Owner's Rep supports this as a change condition. Disposal costs and hours reviewed and acceptable.
CO-02 Misc	Excel - Relocation of unknown electrical line at ST-3 excavation	4,704.66	0	Change condition; line previously unknown. Engineer reviewed price.
CO-02 Misc	Fusion - Temporary lighting at Fargo Highrise	1,739.60	0	Lights that were planned to be in use were actually unpowered when parking lot work cut off their service line (change condition). However, temp lights were installed without Owner's Rep direction. But since safety is paramount, Owner's Rep supports splitting this cost with Contractor. Original claim was \$3480, amount proposed for Change Order is \$1740.
CO-02 Misc	Reiner - Dewatering at ST-3 after removing unknown pipes	2,300.00	0	Change condition; pipes (4) not on as-builts and contained significant water. Impact verified by RPR's field notes.
CO-02 Misc	ICS - 5% markup on subcontractor costs	733.09	0	Prime Contractor markup on subcontractor work.
CO-02 Misc Subtotal		15,394.85	0	

Weather Delay	Heavy rains in May 2015.	0.00	3	Record precipitation in May 2015. Contractor requested 7 days. Owner's Rep reviewed actual field activities to confirm impacts, then subtracted 4 days to account for expected delays for May weather (reference MNDOT table used by City) . Extension is to both Substantial Completion as well as milestone dates for parking lot and 2nd Street floodwall. Milestone date for 2nd Street reconstruction (November 1, 2015) not changed.
Weather Delay Subtotal		0.00	3	

CHANGE ORDER CO-02 -- TOTALS	176,462.97	17
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