

June 6, 2024

Robby Land
Reeves Young
45 Peachtree Industrial Blvd
Sugar Hill, GA 30518

PCO NO. 5 (Exhibit)

Simeon Solomero
Fulton County
141 Pryor St. SW
Atlanta, GA 30303

Subject: 30" and 24" Bypass Connection
Contract: Graham Drive Pump Station Upgrade

Potential Cost Impact: **Option A 30" - \$208,250.10 (SELECTED OPTION A)**
 Option B 24" - \$159,043.57

Simeon,

Reeves Young hereby submits Proposed Change Order #05 for costs associated with a new bypass connection. Based off Bid Design Document Addendum 3 Q&A Question 24, Bidders were instructed that the bypass connection was existing at the facility. Reeves Young and their bypass specialist partners contend that the existing 12" connection is too small to handle the required flows and will need to be increased. The existing bypass connection can only handle around 10MGD at recommended pressures and velocities, 12MGD avg. and 20MGD Peak are the stated flows at the facility. Reeves Young recommends installing either a 24" or 30" ductile iron bypass connection to complete the scope of the Graham Drive project. The 30" bypass connection would support the future flows expected through the facility(40MGD). If Fulton County desires to proceed with the upgraded 24" connection, there will be a cost of (\$159,043.57). If Fulton County desires to proceed with the upgraded 30" connection, there will be a cost of (\$208,250.10).

There is an existing 30" cross between two plug valves upstream from the existing 12" bypass. We propose removing the blind flange and installing the new bypass connection into the existing cross. This will require operation of the existing plug valves on either side to isolate the cross. This isolation and operation of the existing valves needs to be by Fulton County or their operators. We will also require a 4-hour shutdown window to make the connections in accordance with Addendum 3 Q37.

Lead times for the valves associated with this work are 38 weeks for both the 24" and 30" options. Upon positive response to move forward with one of the options, we can incorporate this into our project schedule. Additional time is expected to be needed.

Please review and advise if this change order request is acceptable.

REEVES YOUNG

Sincerely,

Robby Land
Senior Project Manager

rland@reevesyoung.com | reevesyoung.com

T | M 770.309.2423

45 Peachtree Industrial Boulevard, Sugar Hill, GA 30518



Description: 24 Inch Bypass Connection

PCO#: 005

Date: 6-4-2024

| DESCRIPTION | QTY | UNIT | UNIT LABOR | TOTAL LABOR | UNIT EQUIPMENT | TOTAL EQUIPMENT | UNIT MATERIAL | TOTAL MATERIAL | UNIT SUB-CONTRACTOR | TOTAL SUB-CONTRACTOR | TOTAL |
|---|-----|------|------------|--------------|----------------|-----------------|---------------|----------------|---------------------|----------------------|----------------------|
| LABOR | | | | | | | | | | | |
| Laborers | 200 | MH | \$ 37.00 | \$ 7,400.00 | | | | | | | \$ 7,400.00 |
| Pipe Fitter | 100 | MH | \$ 44.00 | \$ 4,400.00 | | | | | | | \$ 4,400.00 |
| Forman | 100 | MH | \$ 74.00 | \$ 7,400.00 | | | | | | | \$ 7,400.00 |
| EQUIPMENT | | | | | | | | | | | |
| Excavator 220 | | | | | | \$ 3,000.00 | | | | | \$ 3,000.00 |
| Shoring | | | | \$ - | \$ 8,536.73 | | | \$ - | \$ - | \$ - | \$ 8,536.73 |
| Skid Steer | | | | \$ - | \$ 1,500.00 | | | | | | \$ 1,500.00 |
| Trench Compactor | | | | | \$ 800.00 | | | | | | \$ 800.00 |
| MATERIALS | | | | | | | | | | | |
| 24" Megalug for Ductile Iron Accessories | 3 | EA | | | | \$ 542.71 | \$ 1,628.13 | | | | \$ 1,628.13 |
| 24" MJ DI 90 1/4 Bend N/D 401 lined | 1 | EA | | | | \$ 3,906.76 | \$ 3,906.76 | | | | \$ 3,906.76 |
| 24" x 15 ft FLG x PE Spool 401 lined | 1 | EA | | | | \$ 10,980.00 | \$ 10,980.00 | | | | \$ 10,980.00 |
| 24" Dezurik FL Plug Valve w/ Handwheel | 1 | EA | | | | \$ 30,235.30 | \$ 30,235.30 | | | | \$ 30,235.30 |
| 24" DI FLG 90 401 Lined | 1 | EA | | | | \$ 5,862.57 | \$ 5,862.57 | | | | \$ 5,862.57 |
| 24" Dezurik FLG Check Valve w/ Lever and Weight | 1 | EA | | | | \$ 36,214.12 | \$ 36,214.12 | | | | \$ 36,214.12 |
| 24" 150# Red Rubber F/F NBandG Kit with SS Hardware | 3 | EA | | | | \$ 500.00 | \$ 1,500.00 | | | | \$ 1,500.00 |
| 30" x 24" DI MJ Reducer 401 Lined | 1 | EA | | | | \$ 7,474.19 | \$ 7,474.19 | | | | \$ 7,474.19 |
| Concrete, Thrust Block, Spill Pad | 1 | EA | | | | \$ 3,500.00 | \$ 3,500.00 | | | | \$ 3,500.00 |
| SUBCONTRACTORS | | | | | | | | | | | |
| | | | | | | | | \$ - | \$ - | \$ - | \$ - |
| | | | | | | | | \$ - | \$ - | \$ - | \$ - |
| | | | | | | | | \$ - | \$ - | \$ - | \$ - |
| | | | | | | | | \$ - | \$ - | \$ - | \$ - |
| PCO Sub-Total: | | | | \$ 19,200.00 | | \$ 13,836.73 | | \$ 101,301.07 | | \$ - | \$ 134,337.80 |
| Tax | | | | | | \$ 1,231.47 | | \$ 9,015.80 | | | \$ 10,247.26 |
| PCO Sub-Total w/ Tax | | | | \$ 19,200.00 | | \$ 15,068.20 | | \$ 110,316.87 | | \$ - | \$ 144,585.06 |
| Mark Up | 10% | | | \$ 1,920.00 | | \$ 1,506.82 | | \$ 11,031.69 | | \$ - | \$ 14,458.51 |
| Total Change: | | | | | | | | | | | \$ 159,043.57 |

GRAHAM DR. R/W

N: 1294242.
E: 2184364.

2" WATER LINE TO NEW HOSE

NEW FREEZE PROOF HOSE B

DI
TOP: 890.16

DI
TOP: 889.18

8" DIP
DUMPSTER DRAIN

12" PUMP
CONNECTION

PLUG VALVE

PLUG VALVE

Proposed 24" or 30"
bypass

VAULT CORNER
N: 1294188.1367
E: 2184258.8654

ASPHALT EDGE
N: 1294184.4072
E: 2184275.7866

Existing 12" bypass

EX. SSMH
TOP = 890.94
IE IN = 878.04 (36"
IE OUT = 876.44 (36"

CHECK VALVE W/ BLIND
FLANGE
(TEMP PUMP CONN.)

HW
INV 18" CMP: 886.38'

30" FM

24" C&G

