ORANGE COUNTY GOVERNMENT FLORIDA

**Interoffice Memorandum**

February 25, 2019

**TO:** Mayor Jerry Demings
and Board of County Commissioners

**FROM:** Raymond E. Hanson, P. E., Director
Utilities Department

**SUBJECT:** **BCC Agenda Item – Consent Agenda**
**March 12, 2019 BCC Meeting**
**Change Order Number 1 to Contract No. Y17-710-PH Pump Stations 3728 Rocket Blvd. Ext, 3426 Cypress Park, 3192 R Rocket Blvd and Central Florida Parkway Improvements Package 2**
**Contact Person: Troy Layton, BCEE, Manager**
**Utilities Field Services Division**
**407-254-9794**

Metro Equipment Service, Inc. has submitted a price proposal for additional services under the terms of the referenced contract with the Utilities Department. The project is comprised of replacement of Pump Station 3192, rehabilitation of Pump Stations 3426 and 3728, forcemain replacement, and extension of existing wastewater mains.

Proposed Change Order Number 1 in the amount of $452,085.07 provides for additional work due to unforeseen conditions requiring the installation of an additional manhole which then conflicted with the CSX railroad right of way clear zone and conflicts with the 20-inch Florida Gas Transmission main. The CSX permit conditions necessitated additional work including sheeting and shoring for protection of the railroad during manhole installation. Additional forcemain was required to be replaced due to unacceptable existing pipe material utilized at a road crossing, insufficient pipe diameter size, and conflict with the gas main at the connection locations. Additional items included replacement of the valve vault and minor appurtenances.

The original contract was in the amount of $2,367,454. The Change Order increased the contract value by $452,085.07 or 19%. The revised contract amount is $2,819,539.07.

**Action Requested:** **Approval and execution of Change Order Number 1 to Contract No. Y17-710-PH Pump Stations 3728 Rocket Blvd Ext, 3426 Cypress Park, 3192 R Rocket Blvd and Central Florida Parkway Improvements Package 2 with Metro Equipment Service, Inc. in the amount of $452,085.07, for a revised total contract amount of $2,819,539.07.**

**District 4.**

APPROVED
BY ORANGE COUNTY BOARD
OF COUNTY COMMISSIONERS
MAR 1 2 2019

# ORANGE COUNTY UTILITIES

Contractor: Metro Equipment Service,Inc.
Vendor Code
Contract No. Y17-710-PH
Project Name PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2
Sequence No. 54106

Change Order Number 1 Page 1 of 1
Date February 19, 2019
Original Contract Amount $2,367,454.00
Revised Contract Amount $2,819,539.07
Engineer CPH

| Item No. | Quantities | Unit | Description | Unit Price | Additions | Deductions |
|---|---|---|---|---|---|---|
| RPC 1 | 1 | LS | Road Crossing (CFP 1539-14) | $30,001.84 | $30,001.84 | |
| RPC 2 | 1 | LS | PS 3728 Valve Vault (PS3728 1503-47) | $18,922.80 | $18,922.80 | |
| RPC 3 | 1 | LS | Force Main Connection on Central Florida Parkway(1539-14) | $13,722.49 | $13,722.49 | |
| RPC 4 | 1 | LS | Incorrect existing FM Connection for PS 3192R (1502-13) | $39,652.73 | $39,652.73 | |
| RPC 5 | 1 | LS | Additional 6" Plug Valve PS 3426 (PS3426 1503-48) | $1,530.00 | $1,530.00 | |
| RPC 6 | 1 | LS | Additional MH in CSX R-W (PS 3192R 1502-13) | $49,719.28 | $49,719.28 | |
| RPC 7 | 1 | LS | CSX Sheeting & Engineering (PS 3192R 1502-13) | $237,875.91 | $237,875.91 | |
| RPC 8 | 1 | LS | United Way FGT Conflict (CFP 1539-14) | $59,756.32 | $59,756.32 | |
| RPC 9 | 1 | LS | Larger Mega-Flange than Design (PS 3728 ) | $903.70 | $903.70 | |
| | | | | Totals | $452,085.07 | $0.00 |

| | | | |
|---|---|---|---|
| Percent Complete Time | Percent Complete Cost: | Net Dollars This Change Order | $452,085.07 |
| Total Time Previous Change Orders | 0 Days | Net Dollars Previous Change Order | $0.00 |
| Total Time This Change Order | 205 Days | Net Dollar Changes to Date | $452,085.07 |
| Original Contract Time | 570 Days | Original Contract Dollar Amount | $2,367,454.00 |
| Revised Contract Time | 775 Days | Revised Contract Dollar Amount | $2,819,539.07 |

CONTRACTOR

This change order includes not only all direct costs of contractor such as labor, material , job overhead, and profit markup but also includes any costs for modifications or changes in sequence of work to be performed, delays rescheduling, disruptions, extended direct overhead, acceleration, material, or other escalation which includes wages, and other impact costs.

BY _____ Date _____
Contractor's Signature

BY ANGELO FORNO
Accepted for Contractor By: Print Name & Title

ORANGE COUNTY UTILITIES

**Approval Recommended:**

By _____ Date 2/20/19
Chief Inspector Name:

By _____ Date 2/20/19
Manager

By _____ Date 2-21-19
Director Utilities

By Byron W. Brooks Date 12 Mar 19
Orange County Mayor

BOARD OF COUNTY COMMISSIONERS ORANGE COUNTY FLORIDA

# PRICE NEGOTIATION MEMORANDUM

This memorandum must be completed for non-competitive procurements exceeding $100,000 and for change orders to existing contracts that will require Board approval. The purpose of this form is to create an audit record evidencing that negotiations were conducted with the contractor/consultant/vendor, the extent of such negotiations, and that the overall price offered is fair and reasonable.

**I. Subject: Project** **Y17-710-PH**
Contract Number

**PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2**
Contract Title

**II. Introductory Summary:**

Negotiations for the purchase of: **Additional Shoring required by CFX to protect existing rail way. Existing 20" gas main conflict. Modify valve vault design. Replace 4" existing force main. OCU crews made temporary. repair.**
Product/Services

Were completed on: **2/19/2019**
Date

With: **Metro Equipment Services,Inc.**
Contractor/Consultant/Vendor

The County's estimate, the Contractor's/Consultant's/Vendor's offer, and the agreed upon price are compared below. Each figure is based on the contract being firm-fixed-price.

| County's Estimate | Contractors/Consultants/ Vendors Offer | Agreed Upon Price |
|---|---|---|
| | **Additions $483,276.00** | **$452,085.07** |

**III. Particulars:**

A. Complete Name and **Metro Equipment Services,Inc.**

Address of Company **9415 SW 72 Street,Suite,Inc**

B. Lump Sum/Not-to-exceed **$2,816,975.35**

C. Unit prices, (if applicable) quoted and negotiated. If many, attach as a schedule.

| **Proposed** | **Negotiated** |
|---|---|
| | |
| | |
| | |

D. Name and titles of persons representing the contractor/consultant and the County in the negotiations, identifying the principal negotiators:

| Name | Title | Organization |
|---|---|---|
| **Angelo Furno** | **Project manager** | |
| **James Montalvo** | **Chief Utility's Inspector** | |
| **Robert Bird** | **Inspector II** | |

**IV. Procurement Situation:**

A. Describe what was discussed, to include any outside influences and time pressures.

Discussed Contractor backup, labor, materials associated with the change order

B. Show the delivery schedule or period of performance. If there is a difference between the schedule desired or required and that proposed by the Contractor/Consultant/Vendor discuss the resolution or compromise, if any.

**V. Negotiation Summary:**

A. Summarize the Contractors/Consultants/Vendors pricing proposal, the County's negotiation Objective and the negotiation results and the reasons the agreed upon price is fair and reasonable.

**OCU meet with contractor to Discuss and negotiate the submitted quotes labor, materials and days etc.**

The contractor's/consultant's/vendor's proposal is considered fair and reasonable and execution of the contract/change order/amendment is recommended.

**James Montalvo**
Full Name of Negotiator

James Montalvo
Signature

2/20/2015
Date

# METRO EQUIPMENT SERVICE, INC.

## Change Order

**DATE:** 2/15/2019

**CO#** 1

**PROJECT:** **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Metro Equipment Service Job # 17-02

**TO:** Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

**RE:** **STA 57+75 Crossing & Connection**

**Description:** Change order for the Crossing and Connection performed per RFI #13 at STA 57+75 on Central FL Pkwy
- Change Order originally submitted on June 1st, 2017

**IN CONTRACT PAY ITEMS TO BE ADDED OR INCREASED ACCORDINGLY:**

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | TOTAL |
|---|---|---|---|---|---|
| 1 | Mob/Demob , Bonds & Insurance (5 % <) | LS | 5% | $ 27,250.00 | $ 1,362.50 |
| 4 | Project Record Documents (> 1%) | LS | 1.00 | $ 750.00 | $ 750.00 |
| 5 | MOT | LS | 1.00 | $ 1,035.92 | $ 1,035.92 |
| 6 | Erosion and Sedimentation Control | LS | 1.00 | $ 50.00 | $ 50.00 |
| 10 | Road crossing pavement restoration (Max 8' wide) | SY | 22.22 | $ 100.00 | $ 2,222.22 |
| 13 | Concrere Curb & Gutter Replacement | LF | 20.00 | $ 15.00 | $ 300.00 |
| 14 | Sod Replacement (Bahia) | SY | 166.67 | $ 10.00 | $ 1,666.67 |
| 15 | Bypass Pumping Operations | LS | 1.00 | $ 2,240.00 | $ 2,240.00 |
| 16 | Abandon in place Pipe | LF | 360.00 | $ 4.00 | $ 1,440.00 |
| 18 | 6" Force Main | LF | 60.00 | $ 90.00 | $ 5,400.00 |
| 20 | 4" PV | EA | 1.00 | $ 1,000.00 | $ 1,000.00 |
| 21 | 6" PV | Ea | 2.00 | $ 1,500.00 | $ 3,000.00 |
| 26 | 4"/6" Cut-in connection to exst Force Main | EA | 3.00 | $ 3,000.00 | $ 9,000.00 |
| | | | | **Subtotal** | **$ 29,467.31** |

| | | |
|---|---|---|
| **Change Order Sub-Total** | **$** | **29,467.31** |
| **Additional Bonding** | **$** | **534.53** |
| **TOTAL INCREASE:** | **$** | **30,001.84** |

| | | | | |
|---|---|---|---|---|
| TOTAL OF THIS CHANGE ORDER REQUEST | ADD [X] | DEDUCT [ ] | TBD [ ] | **$ 30,001.84** |
| The Contract Time will be revised to reflect: | ADD [ ] | DEDUCT [ ] | TBD [X] | **TBD** |

| | | | | |
|---|---|---|---|---|
| **Metro Equipment Service** | Angelo Furno | Project Manager | | 2/19/19 |
| General Contractor | Name | Title | Signature | Date |

# METRO EQUIPMENT SERVICE, INC.

**Change Order**

**DATE:** 2/15/2019 **CO#** 2

**PROJECT:** **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Metro Equipment Service Job # 17-02

**TO:** Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

**RE:** **3728 Pump Station Design Changes**

**Description:** Change Order is for the following changes made to the design of 3728 Pump Station

- Change design of Valve Vault to a new 4' VV Instead of adding a Riser as originally designed. This also affected the location of the discharge pipe from the Wet Well which needed to be redrilled at a higher elevation. Subsequently, new Holes were cored to match the height of the new Valve Vault and additional Stainless Steel material for discharge pipes was needed and existing holes in the Wet Well were repaired. The Valve Vault Riser which was completed and ready to be delivered was discarded.
- Change direction of Storm Drain exiting Retaining Wall from South Wall to East Wall - Additional Survey Required
- Supply a USF 3200 Ring and 5645 Grate on A-2 MH
- Install Grate Bars on 18" RCP Storm Drain exiting Retaining Wall
- Add 4" Plug Valve

**IN CONTRACT PAY ITEMS TO BE ADDED OR INCREASED ACCORDINGLY:**

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | TOTAL |
|---|---|---|---|---|---|
| 20 | 4" Plug Valve | EA | 1.00 | $ 1,000.00 | $ 1,000.00 |
| 4 | Project Record Document (Additional Survey Required) | EA | 1.00 | $ 500.00 | $ 500.00 |
| | | | | **Subtotal** | **$ 1,500.00** |

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $4,767.43 | $715.11 | $ 5,482.54 |
| **EQUIPMENT** (see attached documents) | $6,944.20 | $1,041.63 | $ 7,985.83 |
| **ADDITIONAL MATERIALS & SUPPLIES** (See attached Documents) | $2,756.00 | $413.40 | $ 3,169.40 |
| **ADDITIONAL MISC REQUIREMENTS** (See attached Documents) | $360.00 | $54.00 | $ 414.00 |

| | |
|---|---|
| **Change Order Sub-Total** | **$ 18,551.77** |
| **Additional Bonding** | **$ 371.04** |
| **TOTAL INCREASE:** | **$ 18,922.80** |

| | ADD | DEDUCT | TBD | |
|---|---|---|---|---|
| TOTAL OF THIS CHANGE ORDER REQUEST | X | | | $ 18,922.80 |
| The Contract Time will be revised to reflect: | | | X | TBD |

| | Name | Title | Signature | Date |
|---|---|---|---|---|
| **Metro Equipment Service** General Contractor | Angelo Furno | Project Manager | | 2/19/19 |

EXTRA WORK - Direct Cost Breakdown

DESCRIPTION OF EXTRA WORK ACTIVITIES

3728 Deisgn Changes & New Valve Vault Base

| ITEM # | DESCRIPTION |
|---|---|
| Change Order | |
| Extra work - Direct cost breakdown | Time : 20.00 Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 100% | Stand-by Time | Overtime (Hrs) 0% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 20.00 | $ 48.08 | 20.00 | | 0.00 | $961.60 |
| Excavator Operator | 1 | | | 20.00 | $ 22.00 | 20.00 | | 0.00 | $440.00 |
| Pipe Layer | 1 | | | 20.00 | $ 23.00 | 20.00 | | 0.00 | $460.00 |
| Loader Operator | 1 | | | 20.00 | $ 22.00 | 20.00 | | 0.00 | $440.00 |
| Laborer | 1 | | | 20.00 | $ 14.00 | 20.00 | | 0.00 | $280.00 |
| Laborer | 1 | | | 20.00 | $ 14.00 | 20.00 | | 0.00 | $280.00 |
| | 6 | | | | | | | *Sub-Total* | $2,861.60 |
| | | | | | | | | *66.60% Labor Burden :* | $1,905.83 |
| | | | | | | | | *Labor Including Burden:* | $4,767.43 |
| | | | | | | | | *Mark Up 15%* | $715.11 |
| | | | | | | | | *Total Labor* | $5,482.54 |

**B.-Equipment Requirements**

Rental Duration: 1 *Weeks* — Operating Hours: 20

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Operating | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Komatsu 200 Excavator (19.1-21 MT) | 1 | $ 6,835.00 | $ 2,573.00 | $ 956.00 | $ 87.96 | $ 44.75 | 20.00 | 1.00 | $1,851.00 |
| Mini Excavator 14-15 Ton | 1 | $ 3,709.00 | $ 1,570.00 | $ 546.00 | $ 21.07 | $ 30.80 | 20.00 | 1.00 | $1,162.00 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,258.00 | $ 2,043.00 | $ 712.00 | $ 57.16 | $ 31.30 | 20.00 | 1.00 | $1,338.00 |
| Reversible Vibratory Plate Compactor | 1 | $ 2,639.00 | $ 1,004.00 | $ 354.00 | $ 74.86 | $ 44.00 | 20.00 | 1.00 | $1,234.00 |
| 4" Diaphragm Pumps (ByPass Primary) | 1 | $ 2,364.00 | $ 945.00 | $ 370.00 | $ - | $ 5.30 | 20.00 | 1.00 | $476.00 |
| 4" Diaphragm Pumps (ByPass Backup) | 1 | $ 2,150.00 | $ 860.00 | $ 344.00 | $ - | $ 5.30 | 20.00 | 1.00 | $450.00 |
| 4" Suction Hose (10 FT) | 10 | $ 110.00 | $ 50.00 | $ 25.00 | $ - | $ - | 20.00 | 1.00 | $250.00 |
| 4" Discharge Hose (10 FT) | 3 | $ 60.00 | $ 24.00 | $ 10.00 | $ - | $ - | 20.00 | 1.00 | $30.00 |
| 1/2 Ton Crew cab Pick-up Truck | 1 | $ 735.00 | $ 349.00 | $ 139.00 | $ 18.40 | $ 0.71 | 20.00 | 1.00 | $153.20 |
| | | | | | | | | *Sub Total* | $6,944.20 |
| | | | | | | | | *Mark Up 15%* | $1,041.63 |
| | | | | | | | | *Total Equipment* | $7,985.83 |

**C.-Material**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| New Valve Vault Base | 1.00 | | | | LS | $ 2,756.00 | | | $2,756.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $2,756.00 |
| | | | | | | | | *Mark Up 15%* | $413.40 |
| | | | | | | | | *Total Materials* | $3,169.40 |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | 0.00 | | | | | $ - | | 1.00 | $0.00 |
| | 0.00 | | | | | $ - | | 1.00 | $0.00 |
| | 0.00 | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 7.5%* | $0.00 |
| | | | | | | | | *Total Subcontractor* | $0.00 |

**E.- Misc. Requirements**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Dumpster | 1 | | | | LS | $ 360.00 | | 1.00 | $360.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $360.00 |
| | | | | | | | | *Mark Up 15%* | $54.00 |
| | | | | | | | | *Total Misc. Requirements* | $414.00 |

| | |
|---|---|
| *Total :* | $17,051.77 |
| *Additional Bond Premium 2%* | $341.04 |
| *GRAND TOTAL :* | $17,392.80 |

# METRO EQUIPMENT SERVICE, INC.

**Change Order**

**DATE:** 2/15/2019 **CO#** 3

**PROJECT:** **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Metro Equipment Service Job # 17-02

**TO:** Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

**RE:** **Force Main Connection STA 19+20**

**Description:** Tuesday December 12, 2017 Metro performed the Connection from newly Installed 8" HDPE FM to Existing 8" FM on STA 19+20
Later that evening Metro was notified by OCU Inspector that the Existing PS 3192 was backing up and was not pumping properly and OCU was looking into the issue. It was later determined that the issue was not caused by any blockage of newly installed FM but with the PS not able to handle the volume of the addition Line. Metro was then requested to revert back the connection to the existing FM as soon as possible.
Metro reverted back the connection to the Existing FM as originally configured to allow existing PS 3192 to operate.
Connection was later performed adding a WYE & and 8" Plug Valve to allow for flow to pass through either line.
Note: Actual Connection Size is 8" - Metro billing Connection at this location per Line Item # 26 "4" / 6" Cut-In-Connection to Existing FM

**IN CONTRACT PAY ITEMS TO BE ADDED OR INCREASED ACCORDINGLY:**

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | TOTAL |
|---|---|---|---|---|---|
| 4 | Project Record Documents | EA | 1.00 | $ 500.00 | $ 500.00 |
| 22 | 8" Plug Valve | EA | 1.00 | $ 1,600.00 | $ 1,600.00 |
| | | | | **Subtotal** | **$ 2,100.00** |

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $3,144.74 | $471.71 | $3,616.45 |
| **EQUIPMENT** (see attached documents) | $6,127.80 | $919.17 | $7,046.97 |
| **MATERIALS & SUPPLIES** (see attached documents) | $300.00 | $45.00 | $345.00 |
| **MISC REQUIREMENTS** (see attached documents) | $300.00 | $45.00 | $345.00 |

| | |
|---|---|
| **Direct Costs Subtotal** | **$11,353.42** |
| **Change Order Sub-Total** | **$13,453.42** |
| **Additional Bonding** | **$ 269.07** |
| **TOTAL INCREASE:** | **$ 13,722.49** |

| | | | | |
|---|---|---|---|---|
| TOTAL OF THIS CHANGE ORDER REQUEST | ADD [X] | DEDUCT [ ] | TBD [ ] | **$ 13,722.49** |
| The Contract Time will be revised to reflect: | ADD [X] | DEDUCT [ ] | TBD [ ] | **TBD** |

| | | | | |
|---|---|---|---|---|
| **Metro Equipment Service** General Contractor | Angelo Fumo Name | Project Manager Title | Signature | 2/19/19 Date |

EXTRA WORK - Direct Cost Breakdown

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**Force Main Connection STA 19+20**

| ITEM # | DESCRIPTION |
|---|---|
| Change Order | |
| Extra work - Direct cost breakdown | Time : **12.00** Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 80% | Stand-by Time | Overtime (Hrs) 20% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 12.00 | $ 48.00 | 9.60 | | 2.40 | $633.60 |
| Excavator Operator | 1 | | | 12.00 | $ 22.00 | 9.60 | | 2.40 | $290.40 |
| Pipe Layer | 1 | | | 12.00 | $ 23.00 | 9.60 | | 2.40 | $303.60 |
| Loader Operator | 1 | | | 12.00 | $ 22.00 | 9.60 | | 2.40 | $290.40 |
| Laborer | 1 | | | 12.00 | $ 14.00 | 9.60 | | 2.40 | $184.80 |
| Laborer | 1 | | | 12.00 | $ 14.00 | 9.60 | | 2.40 | $184.80 |
| | **6** | | | | | | | ***Sub-Total*** | **$1,887.60** |
| | | | | | | | | ***66.60% Labor Burden :*** | **$1,257.14** |
| | | | | | | | | ***Labor Including Burden:*** | **$3,144.74** |
| | | | | | | | | ***Mark Up 15%*** | **$471.71** |
| | | | | | | | | ***Total Labor*** | [redacted] |

**B.-Equipment Requirements**

| | | | | | ***Weeks*** | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Rental Duration | 1 | Operatiing Hours | | 12 | |
| **Description** | **Qty** | **Monthly Rate** | **Weekly Rate** | **Daily Rate** | **Hourly** | **Operating** | **Operating** | **Duration** | **Amount** |
| Mini Excavator 14-15 Ton | 1 | $ 3,709.00 | $ 2,573.00 | $ 956.00 | $ 87.96 | $ 44.75 | 12.00 | 2.00 | $2,449.00 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,258.00 | $ 2,043.00 | $ 712.00 | $ 57.16 | $ 31.30 | 12.00 | 2.00 | $1,799.60 |
| Reversible Vibratory Plate Compactor | 1 | $ 2,639.00 | $ 1,004.00 | $ 354.00 | $ 74.86 | $ 44.00 | 12.00 | 2.00 | $1,236.00 |
| 3-inch Trash Pump | 1 | $ 735.00 | $ 205.00 | $ 51.00 | $ 8.00 | $ 7.35 | 12.00 | 2.00 | $190.20 |
| 3" Discharge Hose (25 FT) | 1 | $ 26.00 | $ 7.00 | $ 2.00 | $ 0.30 | $ - | 12.00 | 2.00 | $4.00 |
| 3" Suction Hose (25 FT) | 4 | $ 48.00 | $ 13.00 | $ 3.00 | $ 0.45 | $ - | 12.00 | 2.00 | $24.00 |
| 1/2 Ton Crew cab Pick-up Truck | 1 | $ 735.00 | $ 349.00 | $ 139.00 | $ 16.40 | $ 12.25 | 12.00 | 2.00 | $425.00 |
| | | | | | | | | ***Sub Total*** | **$6,127.80** |
| | | | | | | | | ***Mark Up 15%*** | **$919.17** |
| | | | | | | | | ***Total Equipment*** | [redacted] |

**C.-Material**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$0.00** |
| | | | | | | | | ***Mark Up 7.5%*** | **$0.00** |
| | | | | | | | | ***Total Materials*** | [redacted] |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$0.00** |
| | | | | | | | | ***Mark Up 15%*** | **$0.00** |
| | | | | | | | | ***Total Subcontractor*** | [redacted] |

**E.- Misc. Requirements**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| MOT | 1 | | | | Days | $ 150.00 | | 2.00 | $300.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$300.00** |
| | | | | | | | | ***Mark Up 15%*** | **$45.00** |
| | | | | | | | | ***Total Misc. Requirements*** | [redacted] |

| | |
|---|---|
| ***Total :*** | **$11,008.42** |
| ***Additional Bond Premium 2%*** | $220.17 |
| ***GRAND TOTAL :*** | **$11,228.59** |

# METRO EQUIPMENT SERVICE, INC.

**Change Order**

DATE: 2/15/2019

CO# 4

PROJECT: **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Metro Equipment Service Job # 17-02

TO: Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

RE: **3192R FM Connection**

**Description:** Revised location of Connection from newly installed 8" FM leading from 3192R PS to Existing 8" PVC FM and installation of (2) additional 8" Plug Valves.
- Per planned location of connection unsuitable due to size and type of pipe. Change order reflects time spent on original connection, soft digging for suitable location, and final connection.

- Temporary Asphalt billed per Line Item 8 "Temp Paving (Cold mix overlay)"
- Road Restoration will be billed per Line Item 10 "Road Crossing Pavement Restoration (8' Wide)"
- Sod Restoration will be billed per Line Item # 14 "Sod Replacement (Bahia)"
- Removal of Existing 3192 FM will be Billed Separately
- Final Milling & Resurfacing Limits to be Reverified by OCU and billed accordingly
- ** Approximate Quantities reflected below - Final Quantities to Field Verified by Metro & OCU Inspector

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $1,573.25 | $235.99 | 1,809.24 |
| **EQUIPMENT** (see attached documents) | $5,047.60 | $757.14 | 5,804.74 |
| **ADDITIONAL MATERIALS & SUPPLIES** (See attached Documents) | $675.00 | $101.25 | $776.25 |
| | | **Subtotal** | **$ $8,390.23** |

**Additional Work Required to Complete Connection**

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | TOTAL |
|---|---|---|---|---|---|
| 19 | 8" Force Main | EA | 120.00 | $ 80.00 | $ 9,600.00 |
| 22 | 8" PV | LS | 2.00 | $ 1,600.00 | $ 3,200.00 |
| 26 | 4" / 6" Cut-in Connection to existing Force Main | LS | 1.00 | $ 3,000.00 | $ 3,000.00 |
| 5 | MOT | LS | 1.00 | $ 8,795.00 | $ 8,795.00 |
| 8 | Cold mix overlay | SY | 44.00 | $ 10.00 | $ 440.00 |
| 10 | Road Crossing Pavement Restoration (8' Wide) (** Approx 44 SY) | SY | 44.00 | $ 100.00 | $ 4,400.00 |
| 14 | Sod Replacement (Bahia) (** Approx 30 SY) | SY | 30.00 | $ 10.00 | $ 300.00 |
| 4 | Project Record Documents | LS | 1.00 | $ 750.00 | $ 750.00 |
| | | | | **Subtotal** | **$ 30,485.00** |

| | |
|---|---|
| **Change Order Sub-Total** | **$ 38,875.23** |
| **Additional Bonding** | **$ 777.50** |
| **TOTAL INCREASE:** | **$ 39,652.73** |

TOTAL OF THIS CHANGE ORDER REQUEST ADD [X] DEDUCT [ ] TBD [ ] $ 39,652.73

The Contract Time will be revised to reflect: ADD [ ] DEDUCT [ ] TBD [X] TBD

| | | | | |
|---|---|---|---|---|
| **Metro Equipment Service** General Contractor | Angelo Furno Name | Project Manager Title | Signature | 2/18/19 Date |

EXTRA WORK - Direct Cost Breakdown

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**Time & Equipment listed below is pertaining to the intended connection to existing FM which unable to be performed due to the Type & Size of the existing FM at planned location was unsuitable for connection. Time also spent soft digging for suitable point of connection and restoring roadway.**

| ITEM # | DESCRIPTION |
|---|---|
| Change Order | |
| Extra work - Direct cost breakdown | Time : 8.00 Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 80% | Stand-by Time | Overtime (Hrs) 20% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 6.00 | $ 48.08 | 4.80 | | 1.20 | $317.33 |
| Excavator Operator | 1 | | | 6.00 | $ 22.00 | 4.80 | | 1.20 | $145.20 |
| Pipe Layer | 1 | | | 6.00 | $ 23.00 | 4.80 | | 1.20 | $151.80 |
| Loader Operator | 1 | | | 6.00 | $ 22.00 | 4.80 | | 1.20 | $145.20 |
| Laborer | 1 | | | 6.00 | $ 14.00 | 4.80 | | 1.20 | $92.40 |
| Laborer | 1 | | | 6.00 | $ 14.00 | 4.80 | | 1.20 | $92.40 |
| | 6 | | | | | | | *Sub-Total* | $944.33 |
| | | | | | | | | *66.60% Labor Burden :* | $628.92 |
| | | | | | | | | *Labor Including Burden:* | $1,573.25 |
| | | | | | | | | *Mark Up 10%* | $157.33 |
| | | | | | | | | *Total Labor* | $1,730.58 |

**B.-Equipment Requirements** — Rental Duration: 1 *Weeks* — Operating Hours: 8

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly Rate | Operating Cost/Hr | Operating Hours | Duration (Hrs) | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Mini Excavator 14-15 Ton | 1 | $ 3,709.00 | $ 2,573.00 | $ 956.00 | $ 87.96 | $ 44.75 | 8.00 | 1.00 | $1,314.00 |
| Water Truck | 1 | $ 3,500.00 | $ 348.00 | $ 128.00 | $ 74.86 | $ 44.00 | 30.00 | 1.00 | $1,448.00 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,258.00 | $ 2,043.00 | $ 712.00 | $ 57.16 | $ 31.30 | 8.00 | 1.00 | $962.40 |
| Reversible Vibratory Plate Compactor | 1 | $ 2,639.00 | $ 1,004.00 | $ 354.00 | $ 74.88 | $ 44.00 | 8.00 | 1.00 | $706.00 |
| Sweeper | 1 | $ 2,583.00 | $ 972.00 | $ 150.00 | $ 25.73 | $ 13.30 | 8.00 | 1.00 | $256.40 |
| 3-inch Trash Pump | 1 | $ 735.00 | $ 205.00 | $ 51.00 | $ 8.00 | $ 7.35 | 8.00 | 1.00 | $109.80 |
| 3" Discharge Hose (25 FT) | 1 | $ 26.00 | $ 7.00 | $ 2.00 | $ 0.30 | $ - | 8.00 | 1.00 | $2.00 |
| 3" Suction Hose (25 FT) | 4 | $ 48.00 | $ 13.00 | $ 3.00 | $ 0.45 | $ - | 8.00 | 1.00 | $12.00 |
| 1/2 Ton Crew cab Pick-up Truck | 1 | $ 735.00 | $ 349.00 | $ 139.00 | $ 16.40 | $ 12.25 | 8.00 | 1.00 | $237.00 |
| | | | | | | | | *Sub Total* | $5,047.60 |
| | | | | | | | | *Mark Up 15%* | $757.14 |
| | | | | | | | | *Total Equipment* | $5,804.74 |

**C.-Material**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 15%* | $0.00 |
| | | | | | | | | *Total Materials* | $0.00 |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 7.5%* | $0.00 |
| | | | | | | | | *Total Subcontractor* | $0.00 |

**E.- Misc. Requirements**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Temporary Asphalt | 1 | | | | LS | $ 675.00 | | 1.00 | $675.00 |
| | | | | | | $ - | | 0.00 | $0.00 |
| | | | | | | $ - | | 0.00 | $0.00 |
| | | | | | | $ - | | 0.00 | $0.00 |
| | | | | | | | | *Sub Total* | $675.00 |
| | | | | | | | | *Mark Up 15%* | $101.25 |
| | | | | | | | | *Total Misc. Requirements* | $776.25 |

| | |
|---|---|
| *Total :* | $8,311.57 |
| *Additional Bond Premium 2%* | $166.23 |
| *GRAND TOTAL :* | $8,477.80 |

# METRO EQUIPMENT SERVICE, INC.

## Change Order

**DATE:** 02/15/2019 **CO#** 5

**PROJECT:** **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Metro Equipment Service Job # 17-02

**TO:** Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

**RE:** **3426 Pump Station Plug Valve**

**Description:** Additional Plug valve added to the FM Connection on 3426 Pump Station

**IN CONTRACT PAY ITEMS TO BE ADDED OR INCREASED ACCORDINGLY:**

***Work Performed Saturday March 17th***

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | TOTAL |
|---|---|---|---|---|---|
| 21 | 6" Plug Valve | LS | 1.00 | $ 1,500.00 | $ 1,500.00 |
| | | | | **Subtotal** | **$ 1,500.00** |

| | | |
|---|---|---|
| **Change Order Sub-Total** | **$** | **1,500.00** |
| **Additional Bonding** | **$** | **30.00** |
| **TOTAL INCREASE:** | **$** | **1,530.00** |

| | | | | |
|---|---|---|---|---|
| TOTAL OF THIS CHANGE ORDER REQUEST | ADD [X] | DEDUCT [ ] | TBD [ ] | $ 1,530.00 |
| The Contract Time will be revised to reflect: | ADD [ ] | DEDUCT [ ] | TBD [X] | TBD |

| | | | | |
|---|---|---|---|---|
| **Metro Equipment Service** General Contractor | Angelo Furno Name | Project Manager Title | Signature | 2/18/19 Date |

# METRO EQUIPMENT SERVICE, INC.

## Change Order

DATE: 2/15/2019

CO# 8

PROJECT: **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R
ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Project # Y17-710

TO: Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

RE: **Change Order Associated with the Installation of MH-4**

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $ 6,421.43 | $ 963.21 | $ 7,384.64 |
| **EQUIPMENT** (see attached documents) | $6,125.00 | $918.75 | $ 7,043.75 |
| **MATERIALS & SUPPLIES** (see attached documents) | $ 6,488.00 | $ 973.20 | $ 7,461.20 |
| **Subcontractor Requirements** (see attached documents) | $720.00 | $ 54.00 | $774.00 |
| **MISC. Requirements** (see attached documents) | $ 18,592.00 | $ 2,788.80 | $21,380.80 |
| | | Subtotal | $ 44,844.39 |

**ADDITIONAL ITEMS NOT IN CONTRACT**

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | SUB. TOT |
|---|---|---|---|---|---|
| 4 | Project Record Documents | LS | 1.00 | $ 1,200.00 | $ 1,200.00 |
| 11 | Asphalt Roadway Restoration | SY | 70.00 | $ 50.00 | $ 3,500.00 |
| | | | | Subtotal | $ 4,700.00 |

| | |
|---|---|
| **Change Order Sub-Total** | $ 48,744.39 |
| **Additional Bonding** | $ 974.89 |
| **TOTAL INCREASE:** | $ 49,719.28 |

TOTAL OF THIS CHANGE ORDER REQUEST ADD [X] DEDUCT [ ] TBD [ ] $ 49,719.28

The Contract Time will be revised to reflect: ADD [ ] DEDUCT [ ] TBD [X] TBD

| Metro Equipment Service General Contractor | Angelo Furno | Project Manager | | 2/15/19 |
|---|---|---|---|---|
| | Name | Title | Signature | Date |

Having received the above, I hereby certify that to the best of my knowledge and belief, the cost or pricing data submitted reflects adequate values and that Contractor is entitled to payment and time extension as noted above.

EXTRA WORK - Direct Cost Breakdown

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**1) Work Associated with the Installation of MH-4.**

**4 Hrs** - Well Point System Installation

**10 Hrs** - Saturday MOT Setup, Shoring Installation, and begin Installation of MH-4

**10 Hrs** - Sunday Complete Installation of MH-4, Connections to Existing MH & MH-3, Restore Roadway and Remove Well Point System

**28 Total Hours**

| ITEM # | DESCRIPTION | |
|---|---|---|
| Extra work - Direct cost breakdown | | Time : 28.00 Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 80% | Stand-by Time | Overtime (Hrs) 20% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 24.00 | $ 48.00 | 19.20 | | 4.80 | $1,267.20 |
| Excavator Operator | 1 | | | 24.00 | $ 23.00 | 19.20 | | 4.80 | $607.20 |
| Loader Operator | 1 | | | 24.00 | $ 22.00 | 19.20 | | 4.80 | $580.80 |
| Pipe Layer | 1 | | | 24.00 | $ 18.00 | 19.20 | | 4.80 | $475.20 |
| Pipe Layer | 1 | | | 24.00 | $ 19.00 | 19.20 | | 4.80 | $501.60 |
| Laborer | 1 | | | 24.00 | $ 16.00 | 19.20 | | 4.80 | $422.40 |
| NOTES : | 6 | | | | | | | *Sub-Total* | $3,854.40 |
| | | | | | | | | *66.60% Labor Burden :* | $2,567.03 |
| | | | | | | | | *Labor Including Burden:* | $6,421.43 |
| | | | | | | | | *Mark Up 15%* | $963.21 |
| | | | | | | | | *Total Labor* | $7,384.64 |

**B.-Equipment Requirements** — Rental Duration: 3 Days — Operating Hours: 28

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Duration | Operating | Amount |
|---|---|---|---|---|---|---|---|---|---|
| John Deer 330LC | 1 | $ 10,140.00 | $ 3,576.00 | $ 1,143.00 | $ 128.46 | $ 69.40 | 2.00 | 20.00 | $3,674.00 |
| Mini Excavator 14-15 Ton | 1 | $ 3,709.00 | $ 1,570.00 | $ 546.00 | $ 21.07 | $ 30.80 | 2.00 | 20.00 | $1,708.00 |
| Water Truck | 1 | $ 3,500.00 | $ 348.00 | $ 128.00 | $ - | $ - | 2.00 | 20.00 | $256.00 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,258.00 | $ 2,043.00 | $ 712.00 | $ 57.16 | $ 31.30 | 2.00 | 20.00 | $2,050.00 |
| Reversible Vibratory Plate Compactor | 1 | $ 2,639.00 | $ 1,004.00 | $ 354.00 | $ 74.86 | $ 44.00 | 2.00 | 20.00 | $1,588.00 |
| Steel Plates | 4 | $ 500.00 | $ 185.00 | $ 55.56 | $ - | $ - | 2.00 | 20.00 | $111.12 |
| Walk-behind Saw | 1 | $ 1,530.00 | $ 510.00 | $ 205.00 | $ 14.00 | $ 19.05 | 2.00 | 20.00 | $791.00 |
| Sweeper | 1 | $ 2,600.00 | $ 975.00 | $ 339.00 | $ 25.73 | $ 13.30 | 2.00 | 20.00 | $944.00 |
| 1/2 Ton Crew cab Pick-up Truck | 1 | $ 735.00 | $ 349.00 | $ 139.00 | $ 16.40 | $ 12.25 | 2.00 | 20.00 | $523.00 |
| | | | | | | | | *Sub Total* | $6,125.00 |
| | | | | | | | | *Mark Up 15%* | $918.75 |
| | | | | | | | | *Total Equipment* | $7,043.75 |

**C.-Material**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Temp Asphalt | 6.00 | | | | SY | $ 194.50 | | | $1,167.00 |
| Manhole (Ramneck, Boots & Rim/Cover Incl.) | 1.00 | | | | EA | $ 4,267.00 | | | $4,267.00 |
| Wrapid Seal & Primer | 1.00 | | | | EA | $ 798.00 | | | $798.00 |
| LBR 40 Fill | 10.00 | Tons | | | EA | $ 6.00 | | | $60.00 |
| Bedding | 7.00 | Tons | | | EA | $ 28.00 | | | $196.00 |
| | | | | | | | | *Sub Total* | $6,488.00 |
| | | | | | | | | *Mark Up 15%* | $973.20 |
| | | | | | | | | *Total Materials* | $7,461.20 |

**D.-Subcontractor Requirements**

| Description | Total Qty | | | | Unit | Rate (w/tax) | | Duration Hrs | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Trucking | 1.00 | | | | Hr | $ 60.00 | | 12.00 | $720.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $720.00 |
| | | | | | | | | *Mark Up 7.5%* | $54.00 |
| | | | | | | | | *Total Subcontractor* | $774.00 |

**E.- Misc. Requirements**

| Description | Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| MOT | 1 | | | | LS | $ 8,795.00 | | | $8,795.00 |
| Dewatering System | 1 | | | | LS | $ 5,972.00 | | | $5,972.00 |
| ByPass | 1 | | | | LS | $ 3,470.00 | | | $3,470.00 |
| Dumpster | 1 | | | | LS | $ 355.00 | | | $355.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $18,592.00 |
| | | | | | | | | *Mark Up 15%* | $2,788.80 |
| | | | | | | | | *Total Misc. Requirements* | $21,380.80 |

NOTES :

| | |
|---|---|
| *Total :* | $44,044.39 |
| *Additional Bond Premium 2%* | $880.89 |
| *GRAND TOTAL :* | $44,925.28 |

# METRO EQUIPMENT SERVICE, INC.

## Change Order

DATE: 2/15/2019

CO# 7

PROJECT: **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192
R ROCKET
BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Project # Y17-710

TO: Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

RE: **CSX Delay & Sheet Pile Installation on Rocket Blvd & CFL Pkwy**

**1) Work Performed August 4th, 2018**

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $ 5,375.85 | $ 806.38 | $ 6,182.23 |
| **EQUIPMENT** (see attached documents) | $6,959.50 | $1,043.93 | $ 8,003.43 |
| **MATERIALS & SUPPLIES** (see attached documents) | $ 480.00 | $ 72.00 | $ 552.00 |
| **SHEET PILE INSTALLATION** (see attached documents) | $72,120.00 | $ 5,409.00 | $ 77,529.00 |
| **MISC. Requirements** (see attached documents) | $56,767.50 | $ 8,515.13 | $65,282.63 |
| **Additional Engineering, Insurance & Permitting** (see attached documents) | $ 60,576.00 | $ 9,086.40 | $69,662.40 |
| | | **Subtotal** | **$ 227,211.68** |

**Additional Items**

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | SUB. TOT |
|---|---|---|---|---|---|
| 4 | Project Record Documents (1%>) | LS | 1.00 | $ 2,700.00 | $ 2,700.00 |
| 8 | Temp Paving ( Cold mix overlay) | SY | 30.00 | $ 10.00 | $ 300.00 |
| 10 | Road Crossing Pavement Restoration (8' Wide) | SY | 30.00 | $ 100.00 | $ 3,000.00 |

| | |
|---|---|
| **Change Order Sub-Total** | **$ 233,211.68** |
| **Additional Bonding** | **$ 4,664.23** |
| **TOTAL INCREASE:** | **$ 237,875.91** |

TOTAL OF THIS CHANGE ORDER REQUEST ADD [x] DEDUCT [ ] TBD [ ] **$ 237,875.91**

The Contract Time will be revised to reflect: ADD [ ] DEDUCT [ ] TBD [x] TBD

| Metro Equipment Service General Contractor | Angelo Furno Name | Project Manager Title | Signature | 2/18/19 Date |
|---|---|---|---|---|

Having received the above, I hereby certify that to the best of my knowledge and belief, the cost or pricing data submitted reflects adequate values and that Contractor is entitled to payment and time extension as noted above.

EXTRA WORK - Direct Cost Breakdown

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**1) Work Performed on August 4th, 2018** - Metro working to install Well Point System for MH-4 Installation per Change Order # 02. Flagman onsite supervising work being performed on the Turnpike for a different project stopped work due to not having a ROE Permit to encroach on CSX Railway Property. Metro had to abandon its operation for that day & leave the site. The Well Point System installed was left in place as we could not continue working.

| ITEM # | DESCRIPTION |
|---|---|
| Extra work - Direct cost breakdown | Time : 3.00 Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 100% | Stand-by Time | Overtime (Hrs) 0% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 3.00 | $ 48.00 | 3.00 | | 0.00 | $144.00 |
| Pipe Layer | 1 | | | 3.00 | $ 23.00 | 3.00 | | 0.00 | $69.00 |
| Excavator Operator | 1 | | | 3.00 | $ 22.00 | 3.00 | | 0.00 | $66.00 |
| Loader Operator | 0 | | | 3.00 | $ 18.00 | 3.00 | | 0.00 | $0.00 |
| Top Man | 1 | | | 3.00 | $ 19.00 | 3.00 | | 0.00 | $57.00 |
| Laborer | 0 | | | 3.00 | $ 16.00 | 3.00 | | 0.00 | $0.00 |
| | 4 | | | | | | | *Sub-Total* | $336.00 |
| | | | | | | | | *66.60% Labor Burden :* | $223.78 |
| | | | | | | | | *Labor Including Burden:* | $559.78 |
| | | | | | | | | *Mark Up 15%* | $83.97 |
| | | | | Rental Duration | *Days* 1 | Operating Hours | 3.00 | *Total Labor* | [illegible] |

**B.-Equipment Requirements**

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Operating Hours | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Mini Excavator 14-15 Ton | 1 | | | $ 554.00 | | $ 22.75 | 3.00 | 0.50 | $345.25 |
| Water Truck | 1 | | | $ 128.00 | | $ 15.91 | 3.00 | 0.50 | $111.73 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | | | $ 705.00 | | $ 31.30 | 3.00 | 0.50 | $446.40 |
| Reversible Vibratory Plate Compactor | 1 | | | $ 186.00 | | $ 8.15 | 3.00 | 0.50 | $117.45 |
| Walk-behind Saw | 1 | | | $ 93.00 | | $ 19.05 | 3.00 | 0.50 | $103.65 |
| | | | | | | | | *Sub Total* | $1,124.48 |
| | | | | | | | | *Mark Up 15%* | $168.67 |
| | | | | | | | | *Total Equipment* | [illegible] |

**C.-Material**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 15%* | $0.00 |
| | | | | | | | | *Total Materials* | $0.00 |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 7.5%* | $0.00 |
| | | | | | | | | *Total Subcontractor* | $0.00 |

**E.- Misc. Requirements**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| MOT | 1 | | | | LS | $ 8,795.00 | | | $8,795.00 |
| Well Point System (Headers & Points Burried) | 1 | | | | 4 Mo Rental | $ 5,240.00 | | | $5,240.00 |
| Mobilization (Transport Heavy Equipment) | 2 | | | | LS | $ 780.00 | | | $1,560.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | *Sub Total* | $15,595.00 |
| | | | | | | | | *Mark Up 15%* | $2,339.25 |
| | | | | | | | | *Total Misc. Requirements* | [illegible] |

**NOTES :**

| | |
|---|---|
| *Total :* | $19,871.14 |
| *Additional Bond Premium 2%* | $397.42 |
| *GRAND TOTAL :* | $20,268.57 |

**EXTRA WORK - Direct Cost Breakdown**

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**2) Installation of Sheet Piles per CSX Requirements (including CSX Flagman Costs)**

| ITEM # | DESCRIPTION | |
|---|---|---|
| Extra work - Direct cost breakdown | | Time : 22.00 Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 80% | Stand-by Time | Overtime (Hrs) 20% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 18.00 | $ 48.00 | 14.40 | | 3.60 | $950.40 |
| Pipe Layer | 1 | | | 18.00 | $ 23.00 | 14.40 | | 3.60 | $455.40 |
| Excavator Operator | 1 | | | 18.00 | $ 22.00 | 14.40 | | 3.60 | $435.60 |
| Loader Operator | 1 | | | 18.00 | $ 18.00 | 14.40 | | 3.60 | $356.40 |
| Top Man | 1 | | | 18.00 | $ 19.00 | 14.40 | | 3.60 | $376.20 |
| Laborer | 1 | | | 18.00 | $ 16.00 | 14.40 | | 3.60 | $316.80 |
| **NOTES :** | 6 | | | | | | | ***Sub-Total*** | **$2,890.80** |
| | | | | | | | | ***66.60% Labor Burden :*** | **$1,925.27** |
| | | | | | | | | ***Labor Including Burden:*** | **$4,816.07** |
| | | | | | | | | ***Mark Up 15%*** | **$722.41** |
| | | | | | | | | ***Total Labor*** | **$5,538.48** |

***Day # 01 (10 Hrs) - MOT Setup, Removal of Concrete Road Base for Installation of Sheet Piles, begin Sheet Pile Installation, Temporarily Restore Road, Remove MOT to Open Roadway***

***Day # 02 (8 Hrs) - MOT Setup, Complete Sheet Pile Installation, Restore Roadway, Remove MOT***

***Day # 03 (4 Hrs) - Removal/Cutting and Abandonement of Sheet Piling***

**B.-Equipment Requirements** — Rental Duration: 2 *Days* — Operating Hours: 22.00

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Duration | Operating | Amount |
|---|---|---|---|---|---|---|---|---|---|
| John Deer 330LC | 1 | $ 10,145.00 | $ 2,978.00 | $ 1,143.00 | $ 128.46 | $ 69.40 | 2.00 | 22.00 | $3,812.80 |
| Mini Excavator 14-15 Ton | 1 | $ 3,712.00 | $ 1,561.00 | $ 554.00 | $ 51.93 | $ 22.75 | 2.00 | 22.00 | $1,608.50 |
| Water Truck | 1 | $ 2,600.00 | $ 349.00 | $ 128.00 | $ - | $ 15.91 | 2.00 | 22.00 | $606.02 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 8,075.00 | $ 2,065.00 | $ 705.00 | $ 57.19 | $ 31.30 | 2.00 | 22.00 | $2,098.60 |
| Reversible Vibratory Plate Compactor | 1 | $ 1,094.00 | $ 399.00 | $ 186.00 | $ - | $ 8.15 | 2.00 | 22.00 | $551.30 |
| Steel Plates | 2 | $ 300.00 | $ 186.00 | $ 55.56 | $ - | $ 0.71 | 2.00 | 22.00 | $253.48 |
| Walk-behind Saw | 1 | $ 1,315.00 | $ 270.00 | $ 93.00 | $ - | $ 19.05 | 2.00 | 22.00 | $605.10 |
| Sweeper | 1 | $ 2,600.00 | $ 975.00 | $ 339.00 | $ 25.73 | $ 13.30 | 2.00 | 22.00 | $970.60 |
| | | | | | | | | ***Sub Total*** | **$5,835.02** |
| | | | | | | | | ***Mark Up 15%*** | **$875.26** |
| | | | | | | | | ***Total Equipment*** | **$6,710.27** |

**C.-Material**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Whaler Beam (Including Pickup & Delivery) | 1.00 | | | | LS | $ 480.00 | | | $480.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$480.00** |
| | | | | | | | | ***Mark Up 15%*** | **$72.00** |
| | | | | | | | | ***Total Materials*** | **$552.00** |

**D.-Sheet Pile Installation**

| Description | Total Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Installation of Sheet Piles | 1.00 | | | | LS | $ 70,200.00 | | | $70,200.00 |
| Welding and Removal of Whaler Beam | 2.00 | | | | Days | $ 960.00 | | | $1,920.00 |
| | | | | | | | | ***Sub Total*** | **$72,120.00** |
| | | | | | | | | ***Mark Up 7.5%*** | **$5,409.00** |
| | | | | | | | | ***Total Subcontractor*** | **$77,529.00** |

**E.- Misc. Requirements**

| Description | Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| MOT | 1.5 | | | | Daily Rate | $ 8,795.00 | | | $13,192.50 |
| Dumpster | 1 | | | | LS | $ 360.00 | | | $360.00 |
| CSX Flagman | 8 | | | Estimated | Daily Rate | $ 1,500.00 | | | $12,000.00 |
| Off-Duty Officers | 1 | | (8pm to 7am) | (2) Officers | Night Rate | $ 1,760.00 | | | $1,760.00 |
| 24-Hour Dewatering Pump Watch | 1 | 7 Days a Week | 2 Weeks | | HR | $ 15.00 | | 336.00 | $5,040.00 |
| Track Monitoring | 6 | | | | Daily Rate | $ 1,400.00 | | 1.00 | $8,400.00 |
| Steel Hand Rail (including Pickup and Delivery) | 1 | | | | Month | $ 420.00 | | 1.00 | $420.00 |
| | | | | | | | | ***Sub Total*** | **$41,172.50** |
| | | | | | | | | ***Mark Up 15%*** | **$6,175.88** |
| | | | | | | | | ***Total Misc. Requirements*** | **$47,348.38** |

**NOTES :**

*CSX Flagman Daily Quantity Noted above reflects total approximate time remaining to complete pending work within CSX ROW. Including but not limited to: Installation of Sheet Piles, Installation of MH-4, Installation of FRP Liner, Abandonment of Existing PS 3192, Connecting to Existing MH, Temporary Road Restorations well as Final Road Restoration*

*Duration shown is estimated and will be billed for based on actual costs incurred.*

| | |
|---|---|
| ***Total :*** | **$137,678.13** |
| ***Additional Bond Premium 2%*** | **$2,753.56** |
| ***GRAND TOTAL :*** | **$140,431.69** |

**ROCKET BLVD - CSX CHANGE ORDER - ENGINEERING / PERMITTING / INSURANCE**

**DESCRIPTION OF ADDITIONAL COSTS INCURRED**

**3) Additional Engineering, Permitting, and Insurance Fees Incurred**

| DESCRIPTION | QTY | UNIT | PRICE | EXTENSION |
|---|---|---|---|---|
| ENGINEERING | | | | |
| CSX Design Costs (MBA Engineering) | 1 | EA | $ 8,600.00 | $ 8,600.00 |
| MOT Design (Rocket Road Closure) | 1 | EA | $ 2,200.00 | $ 2,200.00 |
| CSX Design Costs (STV General Engineering Consultant) | 1 | LS | $ 10,800.00 | $ 10,800.00 |
| | | | | |
| | | | | |
| CSX PERMITTING | | | | |
| CSX Permit Fee | 1 | EA | $ 4,250.00 | $ 4,250.00 |
| | | | | |
| | | | | |
| | | | | |
| INSURANCE | | | | |
| CSX RPL | 1 | EA | $ 3,000.00 | $ 3,000.00 |
| CGL Excess Liability | 1 | LS * | $ 31,726.00 | $ 31,726.00 |

- Costs Incurred for additional $4 Million Excess Liability Required * See Notes Below

- Per Section 3 of CSX Agreement # 871346, Licensee shall procure and maintain CGL Coverage not less than Five Million Dollars

- Per Article 8 of the Project Contract Documents, General Liability of One Million Dollars is required for Projects up to Ten Million.

| | |
|---|---|
| **Sub Total** | $ 60,576.00 |
| **Mark Up 15%** | $ 9,086.40 |
| **GRAND TOTAL** | **$ 69,662.40** |

* Excess Liability Cost per Million

| | |
|---|---|
| $1 Million | $9,030 |
| $2 Million | $9,030 |
| $3 Million | $9,030 |
| $4 Million | $4,636 |

| DESCRIPTION OF ADDITIONAL MATERIAL | | | | | |
|---|---|---|---|---|---|
| - **Well Point System Buried in Roadway**<br>(Listed under E.- Misc. Requirements) | | | | | |
| **Description** | **Qty** | **Cost Per Unit** | **Monthly Total** | **2 Months Total** | **6 Months Total** |
| Header Pipe 6x20 | 3 | $110.00 | $330.00 | $660.00 | $1,980.00 |
| Header Pipe 6x10 | 6 | $100.00 | $600.00 | $1,200.00 | $3,600.00 |
| Swing Arms & Well Point | 60 | $3.00 | $180.00 | $360.00 | $1,080.00 |
| 90° Fittings | 6 | $25.00 | $150.00 | $300.00 | $900.00 |
| Caps | 2 | $25.00 | $50.00 | $100.00 | $300.00 |
| | | ***Totals*** | **$1,310.00** | **$2,620.00** | **$7,860.00** |

# NVO CE



***** PROGRESS INVOICE *****

**CSX Transportation, Inc.**
**CSX Real Estate & Facilities Management**
**500 Water Street - J180**
**Jacksonville, FL 32202**

**Attention: Mr. Mark Austin, P.E.**
**Director Engineering Services**

**Invoice # :** 20109488
**Invoice Date :** 1/23/2019
**Project # :** 40-19248
**Invoice Group :** B4

**Voucher # :** 4
**Project Org. :** 053
**Phase No. :** 8074

Re Taft, FL - Manhole Installation
CSXT OP# CS7002
CSX Agreement# CSX871346

For professional engineering services rendered through December 28, 2018 for labor and through December 28, 2018 for non-salary expenses per our STV General Engineering Consultant Contract of October 01, 2015.

**LABOR:**

| *Classification* | *Hours* | *Rate* | *Amount* | |
|---|---|---|---|---|
| Engineer I | 6.75 | 102.00 | 688 50 | |
| Senior Engineer I | 4.00 | 123 00 | 492.00 | |
| Sr. Railroad Engr/Principal Engr | 2.00 | 185 00 | 370.00 | |
| Technician | 1.50 | 75.00 | 112.50 | |
| SUBTOTAL - LABOR | 14.25 | | | 1,663.00 |

**CONTRACT LABOR:**

| *Classification* | *Hours* | *Rate* | *Amount* | |
|---|---|---|---|---|
| SUBTOTAL - CONTRACT LABOR | | | | 0.00 |

**DIRECT NON-SALARY COST:**

| | |
|---|---|
| SUBTOTAL - EXPENSES | 0 00 |
| **CURRENT INVOICE** | **1,663.00** |

| | |
|---|---|
| Total Estimated Fee | 10,800.00 |
| Current Invoice | 1,663.00 |
| Plus Previous Invoice | 2,332.75 |
| Cumulative to Date | 3,995.75 |
| **Remaining Fee** | **6,804.25** |

We hereby certify that the above charges are true and correct, and therefore, just payment is being requested.

cc : Randall G. Frederick
Project Manager

AN EMPLOYEE-OWNED COMPANY PROVIDING QUALITY SERVICE SINCE 1912

205 WEST WELSH DRIVE
DOUGLASSVILLE, PENNSYLVANIA 19518-8713
(610) 385-8200 FAX: (610) 385-8501

## Angelo Furno

**From:** Daniel Gonzalez
**Sent:** Monday, September 10, 2018 8:08 AM
**To:** Angelo Furno
**Subject:** FW: Cost per Million

Angelo

Below are the costs for the excess liability coverage required for the Railroad work. Please make sure this makes it into the CO.

**Daniel Gonzalez**
Metro Equipment Service Inc.
**Office:** 305-740-3303 Ext: 108 | **Cell:**786-663-2811
**WE HAVE MOVED!!!**
**PLEASE UPDATE OUR CONTACT INFORMATION IN YOUR SYSTEM**
**9425 SW 72 ST Suite 150 Miami, FL 33173**
**Email:** Dg@mesinc.us

"Established in 1987"

**From:** Amanda Nogues <Amanda@easterninsurance.net>
**Sent:** Friday, September 7, 2018 4:28 PM
**To:** Daniel Gonzalez <dg@mesinc.us>
**Cc:** David Lopez <david@easterninsurance.net>
**Subject:** Cost per Million

Hi Danny,

The XS liability cost per million below.

| | |
|---|---|
| $1M | $9,030 |
| $2M | $9,030 |
| $3M | $9,030 |
| $4M | $4,636 |

$5M $4,636

**Amanda Nogues**
**Eastern Insurance Group**
9570 SW 107 Avenue, Suite 104
Miami, FL 33176
☎ (305) 595-3323 | ✉ amanda@easterninsurance.net

| | | | |
|---|---|---|---|
| **Application Name :** | Outside Party Request Form (OP Form) | **Requested By :** | Furno, Angelo |
| **Tracking ID :** | 1022278 | **On Behalf Of :** | Furno, Angelo |
| **Last Update Date :** | 09/12/2018 | **Last Updated By :** | FURNO, ANGELO |

## Important Information

**Please Read: Important information regarding protection services shown below.**

**Protection Services: Average cost if required (responsibility of Agreement Holder):**

**Flagging:** **$1,500.00 per day**

**Construction Monitoring:** **$1,500.00 per day**

**The estimated flagging and construction monitoring costs are based on a minimum of 8 hours plus drive time and other incurred expenses, including but not limited to project time, travel time, expenses, per diem, project management cost for scheduling, means and methods review, coordinating, and general account administration.**

**Other railroad costs may include signal locates, material, rental equipment, burden and tax. The above referenced flagging and construction monitoring costs are estimates only and will be billed after the project commencement.**

**In the event that local protection services are not available at the time of your request, protection services from outside the geographical area of your project may be assigned at extra cost to the Agreement Holder/Project Owner. The cost of protection services vary based on factors including but not limited to, type of project, duration of project, utilization of local or out-of-town flagging personnel, etc.**

**In the event it is necessary to cancel or re-schedule protection services already scheduled, the following notice periods are required (failure to provide notice as stated shall result in the Agreement Holder/Project Owner incurring cost associated with the scheduled protection services):**

**48 hour notice - Short term projects (1-3 days to completion)**

**3 days notice - Medium term projects (4-19 days to completion)**

**5 days notice - Long term projects (20 or more days to completion)**

**Please indicate your understanding the foregoing estimates for flagging and construction monitoring are simply estimates and you will be billed direct costs and the days notice required to cancel a protection services request once scheduled**

**Cost estimate and cancel terms acknowledgement :** Y

## Customer Details

### Billing and Project Contact Information

**Billing and Contact Information for Agreement Holder/Project Owner**

**Company Name :** METRO EQUIPMENT SERVICE, INC.
**Country :** US
**Address (1) :** 9425 SW 72 Ave
**Address (2) :** Suite 150
**Address (3) :**
**Address (4) :**
**City :** Miami
**County :** Dade
**State :** FL
**Zip Code :** 33173
**Name :** Jorge Godoy
**Title :**
**Office Phone Number :** (305) 740-3303
**Email :** JG@MESinc.us

**Project Contact (If different from Billing)**

**Please insert the primary day-to-day contact information.**

**Name :** Angelo Furno
**Email :** Angelo@MESinc.us
**Office Phone Number :** (305) 740-3303
**Mobile/Cell Phone Number :** (954) 650-5093

## Project Location

**Country :** US
**State :** FL
**County :** ORANGE
**City :** ORLANDO
**Zip Code :** 32824
**Milepost Prefix From :** A
**Milepost Number From :** 799.5
**Latitude :** 28.406667
**Longitude :** -81.390556
**MapCSX Link :**
**Nearest Dot# :** CFL Pkwy & Rocket Blvd
**Property Address :** 10971 Rocket Blvd, Orlando FL 32824

## Project and Scheduling Information

[redacted]

**CSX Outside Party Number :** 833181009311247
**Start Date :** 22-SEP-18
**Project Duration in Days :** 90

[redacted]

**Is this covered by an existing permit/agreement :** Y
**Agreement Number :** CSX871346
**Does this project include multiple agreements? :** N

[redacted]

**Is this project tax exempt? :** N
**Purchase Order Number :** Y17-710
**Type of Work :** OPNI
**Provide detailed scope of work :** Project is to construct new gravity sewer facilities adjacent to existing C.S.X. Railroad right-of-way. Excavation to a depth of approximately 13 feet will be done using sheet/shoring system to allow connection to existing gravity sewer. An existing Orange County Utilities pump station adjacent to the right-of-way will be decommissioned.
**Describe equipment to be used during activity :** Excavator, Crane, Wheel Loader, Skid Steer, Roller & Vibratory Plate Tamper, Dump Truck

## Project Funding

[redacted]

**Is the project being funded by a governmental agency? :** Y
**Is the project funded by multiple sources? :** N
**Funding Source :** COUNTY

[redacted]

**Procurement Restrictions (e.g. Buy America(n), Buy State, US Steel) :**
**Procurement Restrictions Waiver :**
**Suspended / Debarred :**
**Davis-Bacon Act :**
**E-Verify :**
**Other, please describe here: :**

**Single Audit Status: for Single Audit related questions contact GBCompliance@csx.com.**

**Single Audit Type: Please advise if the project is subject to single audit requirements by selecting the appropriate item. :**

# Purchase Quotation

7532 Malta Lane
Tampa , FL 33637
(813 777-0998
www.tprco.com
www.efficiencyshoring.com

TRENCH PLATE RENTAL Co
SHORING AND SAFETY SPECIALISTS

| Customer Information | | General Information | | | Job Information | |
|---|---|---|---|---|---|---|
| Company: | Metro Equipment | Date: | 8/17/18 | | Street: | Emergency Manhole CSX |
| Attention: | Angelo | Requested By: | Angelo | | City, Zip: | Orlando, Fl |
| Phone: | | Payment Terms: | *Net 30* | | Contact: | |
| email: | | Quote Good From: | 8/17/18 | To 9/16/18 | Phone: | |
| | | | | | PO #: | |

## Purchase Information

| QTY | Model | Description | Purchase Rate Each | Purchase Rate Total | Weight Each | Weight Total |
|---|---|---|---|---|---|---|
| 15 | XZ95-40' long | 40' long XZ95 sheet pile used | $1,782.30 | $26,734.50 | | |
| | | Steel sheet piling interlocking | | | | |
| | | 15.51 tons | | | | |
| | | *Price includes Freight to the job site in | | | | |
| | | Orlando* | | | | |
| 0 | | *Delivery:* | *$0.00* | $0.00 | | ↓ |
| | | Totals: | $26,734.50 | | 0 | |
| X | *= Tax will be calculated on later invoice* | Tax: | | | Total Loads: | |
| | *=Tax calculated at: 7.00% sales tax* | Grand Totals: | $26,734.50 | | 0 | |
| | | | Purchase Total | | | |

Number of Payments: **1**

| Payment Schedule | |
|---|---|
| Payment # 1 | $26,734.50 |
| Payment # 2 | |
| Payment # 3 | |
| Payment # 4 | |
| Payment # 5 | |
| Payment # 6 | |

**Special Note: Any and all payment schedules are scrictly approved by Efficiency Shoring & Supply and/or Efficiency Production, Inc., and unless otherwise stated by said companies any and all payments will be assumed on a single (one) payment schedule. Freight will be included on first**

**Purchase Total**
*$26,734.50*
**Total of purchase excluding delivery and taxes ... purchase items only.***

Last Revised 6/29/15
BY CR

***Purchase Total includes one time charge of delivery***

*Note: Each load is Calculated at Max Carry lbs. of: 46000*

## Consultant Information

Consultant: Paul Strazzulla
Branch: Tampa
Mobile: 813 777-0998
email: pstrazzulla@tprco.com

Official Distributor Of... EFFICIENCY SHORING & SUPPLY ...Trench & Shoring Equipment

**Special Notes:**

**Please, do not hesitate to contact us at any time with questions or concerns.**
***Thank You for choosing Trench Plate Rental Co., an official Efficiency Production, Inc. trench shielding and shoring equipment distributor.***

Shoreline Foundation Inc.
2781 S.W. 56th Avenue • Pembroke Park, Florida 33023
Phone: (954) 985-0460 • Fax: (954) 985-0462 • www.shorelinefoundation.com

September 20, 2018

Jorge Fronte
**METRO EQUIPMENT SERVICES**
9415 SW 72nd Street, Suite 131
Miami, FL 33173

Reference: Temporary Steel Sheet Pile
Rocket Blvd. PS
Orlando FL
SFI Proposal Number: P18-042R

The base price for this proposal is **$70,200** Shoreline Foundation, Inc. (SFI) will furnish and install temporary steel sheet piles at the above referenced project. SFI's scope of work consists of the following:

1. Furnish and install 15 pieces of temporary XZ 95 steel sheet pile (or equal) 40' in length with no corner sections. The above material will construct one (1) temporary retaining wall approximately 30 LF in length in one installation.
2. One (1) mobilization of our crane and equipment to and from jobsite to install materials and one (1) mobilization of our crane and equipment to and from jobsite to remove materials. If additional mobilizations are required, add $4,500 per occurrence by land.
3. Above pricing is based on installing EZ 95 steel sheet pile or equal as specified by Contractor. In the event that the final engineered design requires a differing sheet pile section and/or bracing system, revised pricing maybe required based on said design.
4. The above price is based on the installation of sheet piling utilizing a medium size (ICE 28C) vibratory hammer. If larger equipment is necessary to install sheet piling, the cost will be added to the contract for such equipment and its mobilization to job site.
5. Engineering is not included in the above price.

The following add alternatives items are being offered on an as-need basis:

1. If temporary steel sheet pile is not extracted within 30 days of installation, add $1,000 per month or any part of a month thereafter per cofferdam location.

Work and items excluded from our price and the responsibility of others:

1. Firm, dry level access and overhead clearance to each pile location for a rubber tire truck mounted crane and pile driving equipment to and from jobsite.
2. All steel sheet pile location must be accessible within a maximum radius of 50 feet from center of pile to the center pin of the crane, with a minimum clearance of 36 inches from any existing structures, which includes concrete sulfates, or roof overhangs.
3. Location, relocation or protection of underground or overhead utilities and/or structures which interfere with the location of the piles and/or access to piles.
4. Engineering & design, pile layout, cut-off grades, surveying and/or as-built drawings.
5. Noise and/or vibration monitoring or analysis.
6. Blasting, Pre-drilling, Pre-splitting or Pre-trenching in the event hard rock is encountered.
7. Excavation and dewatering
8. Permit fees and bonds
9. Traffic maintenance, Temporary Barrier wall, and/or MOT plan.

Shoreline Foundation, Inc. shall not be held responsible for damage to existing underground or overhead or adjacent structures, utilities, sidewalks, curbs, access roads, or landscaping. Removal of underground or overhead obstructions and/or utilities is the responsibility of owner/contractor.

We appreciate the opportunity to quote you on this work. If accepted, please make this proposal a binding part of any contract. If you should have any questions concerning this proposal, please contact me at our offices.

Respectfully,

**SHORELINE FOUNDATION, INC.**

*Barry S. Reed*

Barry S. Reed
Vice-President

If accepted below, this quote will contractually bind **SHORELINE FOUNDATION, INC.** ("seller") and **METRO EQUIPMENT SERVICES** ("Buyer") to the terms as stated above. By signing, dating and returning this quote you are hereby agreeing to engage our construction services. (Proposal valid for thirty (30) days)

_____ / _____
(Owners signature) Date

_____
(Owners printed name)

**ROCKET BLVD - CSX CHANGE ORDER - ENGINEERING / PERMITTING / INSURANCE**

**DESCRIPTION OF ADDITIONAL COSTS INCURRED**

**3) Additional Engineering, Permitting, and Insurance Fees Incurred**

| DESCRIPTION | QTY | UNIT | PRICE | EXTENSION |
|---|---|---|---|---|
| ENGINEERING | | | | |
| CSX Design Costs (MBA Engineering) | 1 | EA | $ 8,600.00 | $ 8,600.00 |
| MOT Design (Rocket Road Closure) | 1 | EA | $ 2,200.00 | $ 2,200.00 |
| CSX Design Costs (STV General Engineering Consultant) | 1 | LS | $ 10,800.00 | $ 10,800.00 |
| | | | | |
| | | | | |
| CSX PERMITTING | | | | |
| CSX Permit Fee | 1 | EA | $ 4,250.00 | $ 4,250.00 |
| | | | | |
| | | | | |
| | | | | |
| INSURANCE | | | | |
| CSX RPL | 1 | EA | $ 3,000.00 | $ 3,000.00 |
| CGL Excess Liability | 1 | LS * | $ 31,726.00 | $ 31,726.00 |

- Costs Incurred for additional $4 Million Excess Liability Required * See Notes Below

- Per Section 3 of CSX Agreement # 871346, Licensee shall procure and maintain CGL Coverage not less than Five Million Dollars

- Per Article 8 of the Project Contract Documents, General Liability of One Million Dollars is required for Projects up to Ten Million.

| | |
|---|---|
| **Sub Total** | $ 60,576.00 |
| **Mark Up 15%** | $ 9,086.40 |
| **GRAND TOTAL** | **$ 69,662.40** |

* Excess Liability Cost per Million

| | |
|---|---|
| $1 Million | $9,030 |
| $2 Million | $9,030 |
| $3 Million | $9,030 |
| $4 Million | $4,636 |

| DESCRIPTION OF ADDITIONAL MATERIAL | | | | | |
|---|---|---|---|---|---|
| - **Well Point System Buried in Roadway**<br>(Listed under E.- Misc. Requirements) | | | | | |
| **Description** | **Qty** | **Cost Per Unit** | **Monthly Total** | **2 Months Total** | **6 Months Total** |
| Header Pipe 6x20 | 3 | $110.00 | $330.00 | $660.00 | $1,980.00 |
| Header Pipe 6x10 | 6 | $100.00 | $600.00 | $1,200.00 | $3,600.00 |
| Swing Arms & Well Point | 60 | $3.00 | $180.00 | $360.00 | $1,080.00 |
| 90° Fittings | 6 | $25.00 | $150.00 | $300.00 | $900.00 |
| Caps | 2 | $25.00 | $50.00 | $100.00 | $300.00 |
| | | ***Totals*** | **$1,310.00** | **$2,620.00** | **$7,860.00** |

# METRO EQUIPMENT SERVICE, INC.

## Change Order

**DATE:** 2/20/2019

**CO#** 8

**PROJECT:** **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192
R ROCKET
BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

**Project #** Y17-710

**TO:** Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

**RE:** **Change Order Associated with the Crossing on United Way & Central FL Parkway**
The additional work associated with this Change Order was derived from a Sewage Line Break on an existing line in the Intersection of United Way & Central FL Parkway. Originally the Crossing at United Way was to be eliminated from the Project per RFI # 12. Due to the temporary repair performed on the existing line by the County, Metro has been directed to proceed as originally designed and perform the crossing as well as replace the existing line crossing to the North of Central FL Parkway and connect to existing Plug Valve.

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $ 11,505.06 | $ 1,725.76 | $ 13,230.82 |
| **EQUIPMENT** (see attached documents) | $16,883.35 | $2,532.50 | $ 19,415.85 |
| **MATERIALS & SUPPLIES** (see attached documents) | $ 2,232.20 | $ 334.83 | $ 2,567.03 |
| **Subcontractor Requirements** (see attached documents) | $2,078.50 | $ 311.78 | $2,390.28 |
| **MISC. Requirements** (see attached documents) | $ 6,931.00 | $ 1,039.65 | $7,970.65 |
| | | **Subtotal** | **$ 45,574.63** |

**IN CONTRACT PAY ITEMS - Additional Items** Associated with North Side & South Side United Way Tie-Ins

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | SUB. TOT |
|---|---|---|---|---|---|
| 1 | Mobilization | LS | 1.00 | $ 3,500.00 | **$ 3,500.00** |
| 4 | Project Record Documents | LS | 1.00 | $ 1,250.00 | **$ 1,250.00** |
| 10 | Road Crossing Pavement Restoration (8' Wide) | SY | 15.00 | $ 100.00 | **$ 1,500.00** |
| 16 | Abandon in Place Pipe | LF | 30.00 | $ 4.00 | **$ 120.00** |
| 20 | 4" Plug Valve | EA | 1.00 | $ 1,000.00 | **$ 1,000.00** |
| | | | | **Subtotal** | **$ 7,370.00** |

**IN CONTRACT PAY ITEMS - Additional Items** Associated with work Performed per RFI # 12 - South East Tie-In at STA 48+50

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | SUB. TOT |
|---|---|---|---|---|---|
| 26 | 4" / 6" Cut-in Connection to existing Force Main | EA | 1.00 | $ 3,000.00 | **$ 3,000.00** |
| 19 | 8" Force Main | LF | 33.00 | $ 80.00 | **$ 2,640.00** |
| | | | | **Subtotal** | **$ 5,640.00** |

| | |
|---|---|
| **Change Order Sub-Total** | **$ 58,584.63** |
| **Additional Bonding** | **$ 1,171.69** |
| **TOTAL INCREASE:** | **$ 59,756.32** |

TOTAL OF THIS CHANGE ORDER REQUEST ADD [X] DEDUCT [ ] TBD [ ] **$ 59,756.32**

The Contract Time will be revised to reflect: ADD [ ] DEDUCT [ ] TBD [X] TBD

| | | | | |
|---|---|---|---|---|
| **Metro Equipment Service** General Contractor | Angelo Furno Name | Project Manager Title | Signature | 2/20/2019 Date |

**EXTRA WORK - Direct Cost Breakdown**

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**1) Work Associated with United Way North Side Cossing and Tie-In.**

**Day 1: 4 Hrs -** Soft Digging of the FGT Main (Previously Performed on 8/17/2018)
**Day 2: 8 Hrs -** Perform Crossing of 6" PVC to North Side of United Way
**Day 3: 4 Hrs -** Road Restoration (Set Concrete Base and Return Sunday for Asphalt & Removal of Plates)
**Day 4: 8 Hrs -** FGT Crossing & Connection (Hand Digging Near Gas Main)
**Day 5: 4 Hrs -** Road Restoration (Set Concrete Base and Return Sunday for Asphalt & Removal of Plates)
**Day 6: 3 Hrs -** Tesing & Grouting

**31 Total Hours**

| ITEM # | DESCRIPTION |
|---|---|
| Extra work - Direct cost breakdown | Time : See Below Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 100% | Stand-by Time | Overtime (Hrs) 0% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 27.00 | $ 48.00 | 21.60 | | 5.40 | $1,425.60 |
| Excavator Operator | 1 | | | 27.00 | $ 23.00 | 21.60 | | 5.40 | $683.10 |
| Loader Operator | 1 | | | 27.00 | $ 22.00 | 21.60 | | 5.40 | $653.40 |
| Pipe Layer | 1 | | | 27.00 | $ 18.00 | 21.60 | | 5.40 | $534.60 |
| Pipe Layer | 1 | | | 27.00 | $ 19.00 | 21.60 | | 5.40 | $564.30 |
| Laborer | 1 | | | 27.00 | $ 16.00 | 21.60 | | 5.40 | $475.20 |
| | 6 | | | | | | | ***Sub-Total*** | **$4,336.20** |
| | | | | | | | | ***66.60% Labor Burden :*** | **$2,887.91** |
| | | | | | | | | ***Labor Including Burden:*** | **$7,224.11** |
| | | | | | | | | ***Mark Up 15%*** | **$1,083.62** |
| | | | | | | | | ***Total Labor*** | **$8,307.73** |

**B.-Equipment Requirements**

| | Days | | | Rental Duration | | | Operating Hours | 31 | |
|---|---|---|---|---|---|---|---|---|---|
| **Description** | **Qty** | **Monthly Rate** | **Weekly Rate** | **Daily Rate** | **Hourly** | **Operating** | **Operating** | **Duration** | **Amount** |
| Mini Excavator 14-15 Ton | 1 | $ 3,719.00 | $ 1,561.00 | $ 554.00 | $ 51.33 | $ 22.75 | 31.00 | 4.00 | $2,921.25 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,073.00 | $ 2,052.00 | $ 705.00 | $ 57.16 | $ 31.30 | 31.00 | 4.00 | $3,790.30 |
| Reversible Vibratory Plate Compactor | 1 | $ 1,394.00 | $ 539.00 | $ 186.00 | | | 31.00 | 4.00 | $744.00 |
| Steel Plates | 2 | $ 500.00 | $ 185.00 | $ 55.56 | | | 31.00 | 4.00 | $222.24 |
| Walk-behind Saw | 1 | $ 1,315.00 | $ 370.00 | $ 93.00 | | | 31.00 | 4.00 | $372.00 |
| Sweeper | 1 | $ 2,600.00 | $ 975.00 | $ 339.00 | $ 25.73 | $ 13.30 | 31.00 | 4.00 | $1,768.30 |
| Water Truck | 1 | $ 3,500.00 | $ 348.00 | $ 128.00 | $ - | $ - | 31.00 | 4.00 | $512.00 |
| 1/2 Ton Crew cab Pick-up Truck | 1 | $ 735.00 | $ 349.00 | $ 139.00 | $ 16.40 | $ 12.25 | 31.00 | 4.00 | $935.75 |
| | | | | | | | | ***Sub Total*** | **$11,265.84** |
| | | | | | | | | ***Mark Up 15%*** | **$1,689.88** |
| | | | | | | | | ***Total Equipment*** | **$12,955.72** |

**C.-Material**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 6" PVC Pipe | 60.00 | | | | LF | $ 3.39 | | | $203.40 |
| Fittings - 6" 45° Bend | 4.00 | | | | EA | $ 201.70 | | | $806.80 |
| Tempoarary Asphalt | 6.00 | | | | SY | $ 194.50 | | | $1,167.00 |
| Cement Bags for FGT Crossing | 10.00 | | | | EA | $ 5.50 | | | $55.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$2,232.20** |
| | | | | | | | | ***Mark Up 7.5%*** | **$167.42** |
| | | | | | | | | ***Total Materials*** | **$2,399.62** |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration Hours | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Flagging Operation | 3.00 | Flaggers | | Hours | EA | $ 16.70 | | 25.00 | $1,252.50 |
| Pump Truck | 1.00 | | | Hours | EA | $ 325.00 | | 1.00 | $325.00 |
| | | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | | | ***Sub Total*** | **$1,577.50** |
| | | | | | | | | ***Mark Up 15%*** | **$236.63** |
| | | | | | | | | ***Total Subcontractor*** | **$1,814.13** |

**E.- Misc. Requirements**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| MOT (Lane Closure) | 2 | | | Days | EA | $ 1,687.00 | | | $3,374.00 |
| Engineered MOT Design | 1 | | | | LS | $ 1,380.00 | | | $1,870.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | ***Sub Total*** | **$5,244.00** |
| | | | | | | | | ***Mark Up 15%*** | **$786.60** |
| | | | | | | | | ***Total Misc. Requirements*** | **$6,030.60** |

**NOTES :**

| | |
|---|---|
| ***Total :*** | **$31,507.78** |
| ***Additional Bond Premium 2%*** | $630.16 |
| ***GRAND TOTAL :*** | **$32,137.94** |

**EXTRA WORK - Direct Cost Breakdown**

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**1) Work Associated with United Way South Side Cossing and Tie-In.**

**Additional Hours associated with Removal of Concrete Road Base and Storm Drain Crossing which was encased in Concrete Block**

| ITEM # | DESCRIPTION |
|---|---|
| Extra work - Direct cost breakdown | Time : See Below Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 100% | Stand-by Time | Overtime (Hrs) 0% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 8.00 | $ 48.00 | 6.40 | | 1.60 | $422.40 |
| Excavator Operator | 1 | | | 8.00 | $ 23.00 | 6.40 | | 1.60 | $202.40 |
| Loader Operator | 1 | | | 8.00 | $ 22.00 | 6.40 | | 1.60 | $193.60 |
| Pipe Layer | 1 | | | 8.00 | $ 18.00 | 6.40 | | 1.60 | $158.40 |
| Pipe Layer | 1 | | | 8.00 | $ 19.00 | 6.40 | | 1.60 | $167.20 |
| Laborer | 1 | | | 8.00 | $ 16.00 | 6.40 | | 1.60 | $140.80 |
| | 6 | | | | | | | ***Sub-Total*** | **$1,284.80** |
| | | | | | | | | ***66.60% Labor Burden :*** | **$855.68** |
| | | | | | | | | ***Labor Including Burden:*** | **$2,140.48** |
| | | | | | | | | ***Mark Up 15%*** | **$321.07** |
| | | | | | | | | ***Total Labor*** | **$2,461.55** |

**B.-Equipment Requirements** — Days — Rental Duration — Operating Hours 10

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Operating | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Mini Excavator 14-15 Ton | 1 | $ 3,719.00 | $ 1,561.00 | $ 554.00 | $ 51.33 | $ 22.75 | 8.00 | 1.00 | $736.00 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,073.00 | $ 2,052.00 | $ 705.00 | $ 57.16 | $ 31.30 | 8.00 | 1.00 | $955.40 |
| Reversible Vibratory Plate Compactor | 1 | $ 1,394.00 | $ 539.00 | $ 186.00 | | | 8.00 | 1.00 | $186.00 |
| Steel Plates | 2 | $ 500.00 | $ 185.00 | $ 55.56 | | | 8.00 | 1.00 | $55.56 |
| Walk-behind Saw | 1 | $ 1,315.00 | $ 370.00 | $ 93.00 | | | 8.00 | 1.00 | $93.00 |
| Sweeper | 1 | $ 2,600.00 | $ 975.00 | $ 339.00 | $ 25.73 | $ 13.30 | 8.00 | 1.00 | $445.40 |
| Water Truck | 1 | $ 3,500.00 | $ 348.00 | $ 128.00 | $ - | $ - | 8.00 | 1.00 | $128.00 |
| 1/2 Ton Crew cab Pick-up Truck | 1 | $ 735.00 | $ 349.00 | $ 139.00 | $ 16.40 | $ 12.25 | 8.00 | 1.00 | $237.00 |
| | | | | | | | | ***Sub Total*** | **$2,836.36** |
| | | | | | | | | ***Mark Up 15%*** | **$425.45** |
| | | | | | | | | ***Total Equipment*** | **$3,261.81** |

**C.-Material**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$0.00** |
| | | | | | | | | ***Mark Up 15%*** | **$0.00** |
| | | | | | | | | ***Total Materials*** | **$0.00** |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration Hours | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Flagging Operation | 3.00 | Flaggers | | Hours | EA | $ 16.70 | | 10.00 | $501.00 |
| | | | | | | $ - | | | $0.00 |
| | | | | | | $ - | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$501.00** |
| | | | | | | | | ***Mark Up 7.5%*** | **$37.58** |
| | | | | | | | | ***Total Subcontractor*** | **$538.58** |

**E.- Misc. Requirements**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| MOT (Lane Closure) | 1 | | | Days | EA | $ 1,687.00 | | | $1,687.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | ***Sub Total*** | **$1,687.00** |
| | | | | | | | | ***Mark Up 15%*** | **$253.05** |
| | | | | | | | | ***Total Misc. Requirements*** | **$1,940.05** |

**NOTES :**

| | |
|---|---|
| ***Total :*** | **$8,201.99** |
| ***Additional Bond Premium 2%*** | $164.04 |
| ***GRAND TOTAL :*** | **$8,366.03** |

**EXTRA WORK - Direct Cost Breakdown**

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**1) Work Associated South East Tie-In.**

**Day 1: 8 Hrs -** Installation of Pipe for South East Tie-In per RFI 12 (Previously Performed)
**Day 2: 8 Hrs -** Abandon Connection Previously Performed Per RFI 12 and Installation of new FM Per Plan
**Day 3: 4 Hrs -** Perform new Connection to newly installaed FM Per Plan and Reinstallation of ARV Valve
**Day 4: 3 Hrs -** Tesing (Previously Performed)

**31 Total Hours**

| ITEM # | DESCRIPTION |
|---|---|
| Extra work - Direct cost breakdown | Time : See Below Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 100% | Stand-by Time | Overtime (Hrs) 0% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 8.00 | $ 48.00 | 6.40 | | 1.60 | $422.40 |
| Excavator Operator | 1 | | | 8.00 | $ 23.00 | 6.40 | | 1.60 | $202.40 |
| Loader Operator | 1 | | | 8.00 | $ 22.00 | 6.40 | | 1.60 | $193.60 |
| Pipe Layer | 1 | | | 8.00 | $ 18.00 | 6.40 | | 1.60 | $158.40 |
| Pipe Layer | 1 | | | 8.00 | $ 19.00 | 6.40 | | 1.60 | $167.20 |
| Laborer | 1 | | | 8.00 | $ 16.00 | 6.40 | | 1.60 | $140.80 |
| | *6* | | | | | | | ***Sub-Total*** | **$1,284.80** |
| | | | | | | | | ***66.60% Labor Burden :*** | **$855.68** |
| | | | | | | | | ***Labor Including Burden:*** | **$2,140.48** |
| | | | | | | | | ***Mark Up 15%*** | **$321.07** |
| | | | | | | | | ***Total Labor*** | **$2,461.55** |

**B.-Equipment Requirements** — Days — Rental Duration — Operating Hours 23

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Operating | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Mini Excavator 14-15 Ton | 1 | $ 3,719.00 | $ 1,561.00 | $ 554.00 | $ 51.33 | $ 22.75 | 23.00 | 1.00 | $1,077.25 |
| Wheel Loader - 3 Yrd (W/Forks) | 1 | $ 5,073.00 | $ 2,052.00 | $ 705.00 | $ 57.16 | $ 31.30 | 23.00 | 1.00 | $1,424.90 |
| Reversible Vibratory Plate Compactor | 1 | $ 1,394.00 | $ 539.00 | $ 186.00 | | | 23.00 | 1.00 | $186.00 |
| Walk-behind Saw | 1 | $ 1,315.00 | $ 370.00 | $ 93.00 | | | 23.00 | 1.00 | $93.00 |
| | | | | | | | | ***Sub Total*** | **$2,781.15** |
| | | | | | | | | ***Mark Up 15%*** | **$417.17** |
| | | | | | | | | ***Total Equipment*** | **$3,198.32** |

**C.-Material**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | ***Sub Total*** | **$0.00** |
| | | | | | | | | ***Mark Up 15%*** | **$0.00** |
| | | | | | | | | ***Total Materials*** | **$0.00** |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration Hours | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | 1.00 | $0.00 |
| | | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | | | ***Sub Total*** | **$0.00** |
| | | | | | | | | ***Mark Up 7.5%*** | **$0.00** |
| | | | | | | | | ***Total Subcontractor*** | **$0.00** |

**E.- Misc. Requirements**

| Description | Qty | | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | $0.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | ***Sub Total*** | **$0.00** |
| | | | | | | | | ***Mark Up 15%*** | **$0.00** |
| | | | | | | | | ***Total Misc. Requirements*** | **$0.00** |

**NOTES :**

| | |
|---|---|
| ***Total :*** | **$5,659.87** |
| ***Additional Bond Premium 2%*** | $113.20 |
| ***GRAND TOTAL :*** | **$5,773.07** |

# METRO EQUIPMENT SERVICE, INC.

**Change Order**

**DATE:** 2/15/2019 **CO#** 9

**PROJECT:** **Orange County Utilities**
PUMP STATIONS 3728 ROCKET BLVD. EXT, 3426 CYPRESS PARK, 3192 R ROCKET BLVD AND CENTRAL FLORIDA PARKWAY IMPROVEMENTS PACKAGE 2

Metro Equipment Service Job # 17-02

**TO:** Robert Bird
**Orange County Utilities**
9150 Curry Ford Road
Orlando, FL 32825

**RE:** **3426 Pump Station**

**Description:** Additional 6" MegaFlange Adapters required for PS 3426 Riser Pipes

| | Total | Allowable Mark Up | |
|---|---|---|---|
| **LABOR** (see attached documents) | $ 524.42 | $ 78.66 | $ 603.08 |
| **EQUIPMENT** (see attached documents) | $0.00 | $0.00 | $ - |
| **MATERIALS & SUPPLIES** (see attached documents) | $ 246.00 | $ 36.90 | $ 282.90 |
| **Subcontractor Requirements** (see attached documents) | $0.00 | $ - | $0.00 |
| **MISC. Requirements** (see attached documents) | $ - | $ - | $0.00 |
| | | **Subtotal** | **$ 885.98** |

**IN CONTRACT PAY ITEMS TO BE ADDED OR INCREASED ACCORDINGLY:**

***Work Performed Saturday March 17th***

| PAY ITEM | DESCRIPTION | UNIT | QTY. | U. COST | TOTAL |
|---|---|---|---|---|---|
| | | | | **Subtotal** | **$ -** |

| | |
|---|---|
| **Change Order Sub-Total** | **$ 885.98** |
| **Additional Bonding** | **$ 17.72** |
| **TOTAL INCREASE:** | **$ 903.70** |

| | | | | |
|---|---|---|---|---|
| TOTAL OF THIS CHANGE ORDER REQUEST | ADD [X] | DEDUCT [ ] | TBD [ ] | **$ 903.70** |
| The Contract Time will be revised to reflect: | ADD [ ] | DEDUCT [ ] | TBD [X] | **TBD** |

| | | | | |
|---|---|---|---|---|
| **Metro Equipment Service** General Contractor | Angelo Furno (Name) | Project Manager (Title) | (Signature) | 2/19/19 (Date) |

EXTRA WORK - Direct Cost Breakdown

**DESCRIPTION OF EXTRA WORK ACTIVITIES**

**Additional work required per response to RFI #8 CSX Crossing Connection**

| ITEM # | DESCRIPTION |
|---|---|
| Change Order | |
| Extra work - Direct cost breakdown | Time : 2.00 Hrs |

**A.- Labor Requirements**

| Description Position | Qty | | | Total Hours | Regular Rate/Hr | Regular (Hrs) 80% | Stand-by Time | Overtime (Hrs) 20% | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Working Foreman | 1 | | | 2.00 | $ 48.08 | 1.60 | | 0.40 | $105.78 |
| Excavator Operator | 1 | | | 2.00 | $ 22.00 | 1.60 | | 0.40 | $48.40 |
| Pipe Layer | 1 | | | 2.00 | $ 23.00 | 1.60 | | 0.40 | $50.60 |
| Loader Operator | 1 | | | 2.00 | $ 22.00 | 1.60 | | 0.40 | $48.40 |
| Laborer | 1 | | | 2.00 | $ 14.00 | 1.60 | | 0.40 | $30.80 |
| Laborer | 1 | | | 2.00 | $ 14.00 | 1.60 | | 0.40 | $30.80 |
| | 6 | | | | | | | *Sub-Total* | $314.78 |
| | | | | | | | | *66.60% Labor Burden :* | $209.64 |
| | | | | | | | | *Labor Including Burden:* | $524.42 |
| | | | | | | | | *Mark Up 15%* | $78.66 |
| | | | | | | | | *Total Labor* | $603.08 |

**B.-Equipment Requirements**

Rental Duration: *Weeks* 1 — Operatiing Hours: 60

| Description | Qty | Monthly Rate | Weekly Rate | Daily Rate | Hourly | Operating | Operating | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Komatsu 200 Excavator (19.1-21 MT) | 0 | $ 7,460.00 | $ 2,090.00 | $ 525.00 | $ 79.00 | $ 49.35 | 60.00 | 1.00 | $0.00 |
| Mini Excavator 14-15 Ton | 0 | $ 5,045.00 | $ 2,085.00 | $ 910.00 | $ 28.66 | $ 30.80 | 60.00 | 1.00 | $0.00 |
| Skid Steer Tracks (W/Forks) | 0 | $ 2,555.00 | $ 1,060.00 | $ 465.00 | $ 14.52 | $ 21.45 | 60.00 | 1.00 | $0.00 |
| Highway Broom - 8' 3 WHL | 0 | $ 1,950.00 | $ 865.00 | $ 285.00 | $ 11.08 | $ 13.45 | **30.00** | 1.00 | $0.00 |
| Water Truck | 0 | $ 3,500.00 | $ 348.00 | $ 128.00 | $ 19.89 | $ 15.91 | **30.00** | 1.00 | $0.00 |
| Wheel Loader - 3 Yrd (W/Forks) | 0 | $ 5,240.00 | $ 2,378.00 | $ 1,043.00 | $ 51.00 | $ 36.25 | 60.00 | 1.00 | $0.00 |
| Reversible Vibratory Plate Compactor | 0 | $ 1,394.00 | $ 539.00 | $ 186.00 | | $ 8.15 | 60.00 | 1.00 | $0.00 |
| Walk-behind Saw | 0 | $ 1,315.00 | $ 370.00 | $ 93.00 | $ 14.00 | $ 19.05 | 60.00 | 1.00 | $0.00 |
| Sweeper | 0 | $ 2,155.00 | $ 605.00 | $ 150.00 | $ 23.00 | $ 13.45 | 60.00 | 1.00 | $0.00 |
| 1/2 Ton Crew cab Pick-up Truck | 0 | $ 710.00 | $ 200.00 | $ 50.00 | $ 8.00 | $ 15.90 | 60.00 | 1.00 | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 15%* | $0.00 |
| | | | | | | | | *Total Equipment* | $0.00 |

**C.-Material**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | | Amount |
|---|---|---|---|---|---|---|---|---|---|
| Materials (MegaFlange Adapter 6") | 2.00 | | | | EA | $ 123.00 | | | $246.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | | $0.00 |
| | | | | | | | | *Sub Total* | $246.00 |
| | | | | | | | | *Mark Up 15%* | $36.90 |
| | | | | | | | | *Total Materials* | $282.90 |

**D.-Subcontractor Requirements**

| Subcontractor | Total Qty | | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | 0.00 | | | | | $ - | | 1.00 | $0.00 |
| | 0.00 | | | | | $ - | | 1.00 | $0.00 |
| | 0.00 | | | | | $ - | | 1.00 | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 10%* | $0.00 |
| | | | | | | | | *Total Subcontractor* | $0.00 |

**E.- Misc. Requirements**

| Description | Qty | Invoice # | | | Unit | Rate (w/tax) | | Duration | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | $ - | | 0.00 | $0.00 |
| | | | | | | $ - | | 0.00 | $0.00 |
| | | | | | | $ - | | 0.00 | $0.00 |
| | | | | | | | | *Sub Total* | $0.00 |
| | | | | | | | | *Mark Up 10%* | $0.00 |
| | | | | | | | | *Total Misc. Requirements* | $0.00 |

| | |
|---|---|
| *Total :* | $885.98 |
| *Additional Bond Premium 2%* | $17.72 |
| *GRAND TOTAL :* | $903.70 |