



Interoffice Memorandum

February 11, 2019

TO: Mayor Jerry L. Demings
and Board of County Commissioners

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

A handwritten signature in black ink, appearing to read "Raymond E. Hanson", with a large, stylized flourish at the end.

SUBJECT: BCC Agenda Item – Consent Agenda
February 26, 2019 BCC Meeting
Change Order No. 1 to Contract Y18-761-TA Orange County Utilities
University Blvd. and Rouse Rd. Emergency Repair
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 Orange County Utilities Department. The project is comprised of an emergency repair to the manhole located within the intersection of University Blvd. and Rouse Rd.

The proposed Change Order Number 1 in the amount of \$488,955.16 provides for additional work due to unforeseen conditions requiring additional quantities within the schedule of values for the contract line items inclusive of concrete base, milling, and asphalt resurfacing. Additional gravity sewer was required to be abandoned. During the work, a second manhole failed, creating a public safety hazard, and had to be repaired which increased quantities for maintenance of traffic, milling, and asphalt resurfacing north of the intersection.

The original contract was in the amount of \$878,400. The Change Order increased the contract value by \$488,955.16 or 56%. The revised contract amount is \$1,367,355.16.

Action Requested: Approval of Change Order Number 1 to Contract No. Y18-761-TA, Orange County Utilities University Blvd. and Rouse Rd. Emergency Repair, with Metro Equipment Service, Inc., in the amount of \$488,955.16, for a revised contract amount of \$1,367,355.16.

District 5.

METRO EQUIPMENT SERVICE, INC.

Change Order

DATE: 12/13/2018 CO# 2

PROJECT: **Orange County Utilities**
University Blvd. and Rouse Rd. Emergency Repair

TO: Metro Equipment Service Job # 18-06
James Montalvo
Orange County Utilities
9150 Curry Ford Road
Orlando, FL 32825

RE: **Additional Milling and Resurfacing of University and Rouse Intersection per Public Works Request**

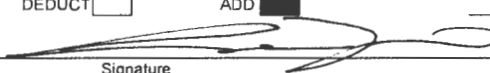
LABOR (see attached documents)	Total \$ -	Allowable Mark Up \$ -	\$ -
EQUIPMENT (see attached documents)	Total \$0.00	Allowable Mark Up \$0.00	\$ -
MATERIALS & SUPPLIES (see attached documents)	Total \$ -	Allowable Mark Up \$ -	\$ -
SUBCONTRACTS (see attached documents)	Total \$0.00	Allowable Mark Up \$ -	\$ -
MISC. Requirements (see attached documents)	Total \$0.00	Allowable Mark Up \$ -	\$0.00
Subtotal			\$ -
Direct Costs Subtotal			\$ -

Additional Items

PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
IN CONTRACT PAY ITEMS:					
PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
5	MOT	LS	1.00	\$ 8,500.00	\$ 8,500.00
10	High Early Concrete (8" thick)	SY	0.00	\$ 190.00	\$ -
11	Mill & Resurfacing	SY	999.66	\$ 60.00	\$ 59,979.33
12	Asphalt Roadway Replacment (1"-2" thick)	SY	0.00	\$ 120.00	\$ -
Subtotal					\$ 68,479.33
Change Order Sub-Total					\$ 68,479.33
Additional Bonding					\$ 1,369.59
TOTAL INCREASE:					\$ 69,848.92

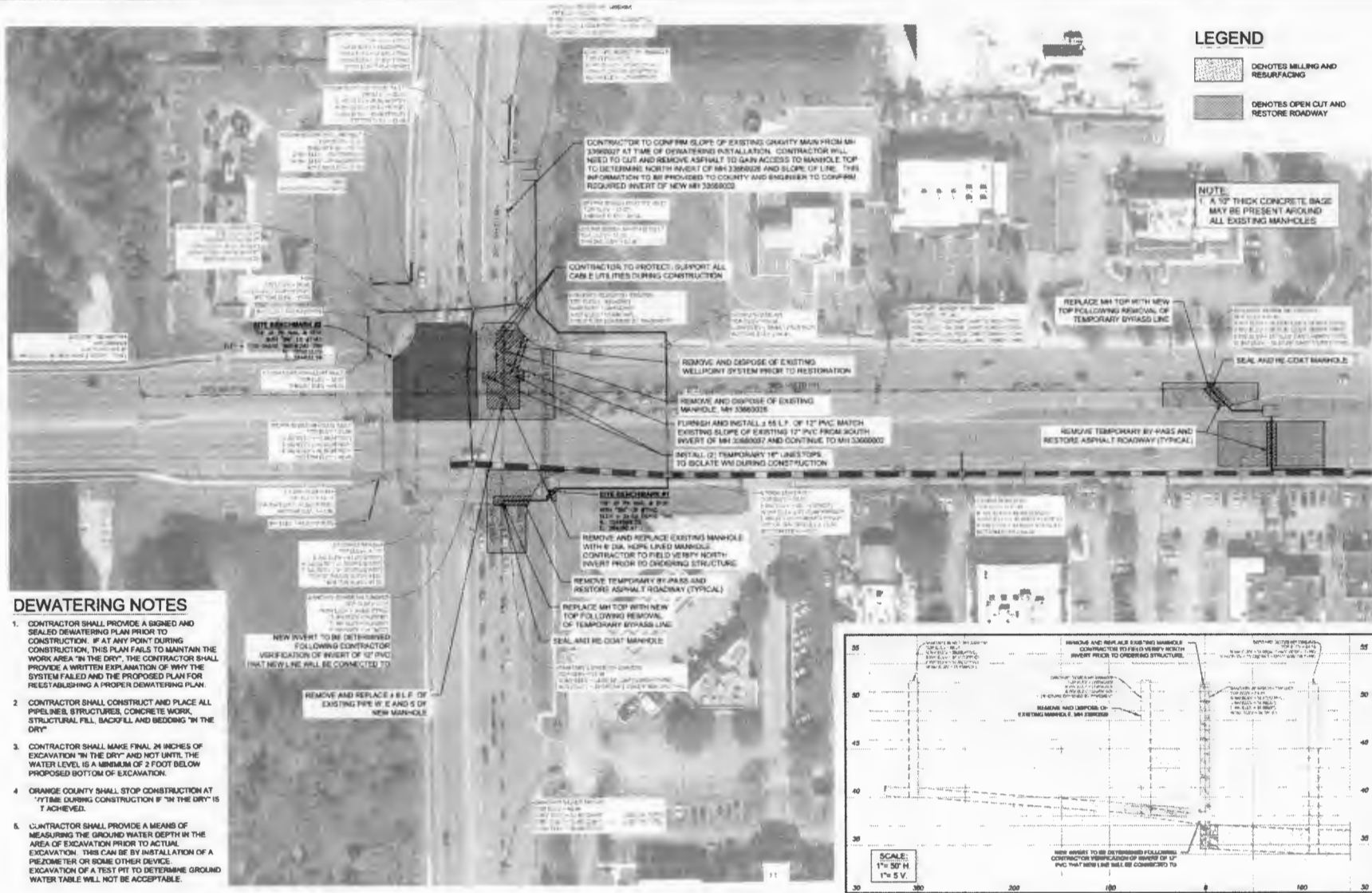
TOTAL OF THIS CHANGE ORDER REQUEST ADD DEDUCT TBD \$ 69,848.92

The Contract Time will be revised to reflect: TBD DEDUCT ADD 5 Calendar Days

Metro Equipment Service Daniel Gonzalez Project Manager  12/13/2018
 General Contractor 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.

Project Engineer Name Title Signature Date



LEGEND

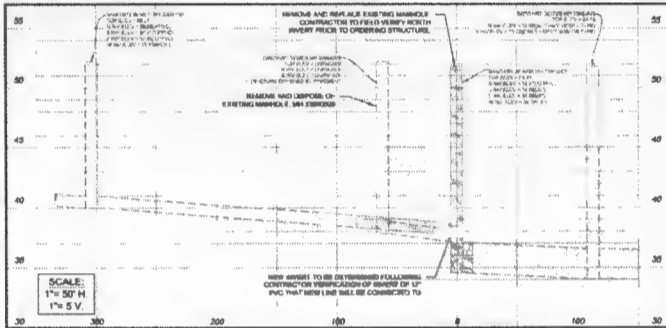
- DENOTES MILLING AND RESURFACING
- DENOTES OPEN CUT AND RESTORE ROADWAY



NOTE:
 4" THICK CONCRETE BASE MAY BE PRESENT AROUND ALL EXISTING MANHOLES

DEWATERING NOTES

1. CONTRACTOR SHALL PROVIDE A SIGNED AND SEALED DEWATERING PLAN PRIOR TO CONSTRUCTION. IF AT ANY POINT DURING CONSTRUCTION, THIS PLAN FAILS TO MAINTAIN THE WORK AREA "IN THE DRY", THE CONTRACTOR SHALL PROVIDE A WRITTEN EXPLANATION OF WHY THE SYSTEM FAILED AND THE PROPOSED PLAN FOR RECTIFYING A PROPER DEWATERING PLAN.
2. CONTRACTOR SHALL CONSTRUCT AND PLACE ALL PIERLINE STRUCTURES, CONCRETE WORK, STRUCTURAL FILL, BACKFILL AND BEDDING "IN THE DRY"
3. CONTRACTOR SHALL MAKE FINAL 24 INCHES OF EXCAVATION "IN THE DRY" AND NOT UNTIL THE WATER LEVEL IS A MINIMUM OF 2 FOOT BELOW PROPOSED BOTTOM OF EXCAVATION.
4. ORANGE COUNTY SHALL STOP CONSTRUCTION AT 77 TIME DURING CONSTRUCTION IF "IN THE DRY" IS NOT ACHIEVED.
5. CONTRACTOR SHALL PROVIDE A MEANS OF MEASURING THE GROUND WATER DEPTH IN THE AREA OF EXCAVATION PRIOR TO ACTUAL EXCAVATION. THIS CAN BE BY INSTALLATION OF A PIEZOMETER OR SOME OTHER DEVICE. EXCAVATION OF A TEST PIT TO DETERMINE GROUND WATER TABLE WILL NOT BE ACCEPTABLE.



SECTION CONFORMED DRAWING

NR	DCU FILE NO.	SCALE: 1"=30'
	DESIGNED BY: MG	DRAWING NO.: C-101
	DRAWN BY: GNP	CHECKED BY: DEM
	PROFESSIONAL ENGINEER FLORIDA LICENSE #50041	ISSUED FILE: 02842 Emergency repair C-100
		SHEET: 0 OF 32

Change Order Mill and Overlay

8179.4 SQ FT

METRO EQUIPMENT SERVICE, INC.

Change Order

DATE: 12/13/2018

CO# 3

PROJECT: Orange County Utilities
University Blvd. and Rouse Rd. Emergency Repair

TO: Metro Equipment Service Job # 18-06
James Montalvo
Orange County Utilities
9150 Curry Ford Road
Orlando, FL 32825

RE: Abandonment of 18" Gravity Sewer Main towards the West of MH 33660002 including grouting of the existing 18" Gravity Main and partial demolition and removal of the existing MH 33660001. This work excludes dewatering, MH 33660001 will be removed to a depth not to exceed 5' from the asphalt or 1' above the water table at the time of the work, which ever is shallower. Excavatable flowable fill will be used to fill the MH and excavation to the bottom of the proposed roadway base, the base installed shall be 8" high early concrete with 2" structural course of asphalt and 1.5" of Friction Course.

LABOR (see attached documents)	<u>Total</u> \$ 8,390.67	<u>Allowable Mark Up</u> \$ 1,258.60	\$ 9,649.27
EQUIPMENT (see attached documents)	<u>Total</u> \$6,810.55	<u>Allowable Mark Up</u> \$1,021.58	\$ 7,832.13
MATERIALS & SUPPLIES (see attached documents)	<u>Total</u> \$ -	<u>Allowable Mark Up</u> \$ -	\$ -
SUBCONTRACTS (see attached documents)	<u>Total</u> \$9,857.60	<u>Allowable Mark Up</u> \$ 739.32	\$ 10,596.92
MISC. Requirments (see attached documents)	<u>Total</u> \$0.00	<u>Allowable Mark Up</u> \$ -	\$ 0.00
		Subtotal	\$ 28,078.32
		Direct Costs Subtotal	\$ 28,078.32

Additional Items

PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
					\$ -

IN CONTRACT PAY ITEMS:

PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
5	MOT	LS	3.00%	\$ 363,000.00	\$ 10,890.00
10	High Early Concrete (8" thick)	SY	12.22	\$ 190.00	\$ 2,322.22
11	Mill & Resurfacing	SY	330.00	\$ 60.00	\$ 19,800.00
12	Asphalt Roadway Replacment (1"-2" thick)	SY	12.22	\$ 120.00	\$ 1,466.67
				Subtotal	\$ 34,478.89

Change Order Sub-Total \$ 62,557.21
Additional Bonding \$ 1,251.14
TOTAL INCREASE: \$ 63,808.36

TOTAL OF THIS CHANGE ORDER REQUEST ADD DEDUCT TBD \$ 63,808.36

The Contract Time will be revised to reflect. ADD DEDUCT TBD 60 Calendar Days

Metro Equipment Service Daniel Gonzalez Project Manager 12/13/2018
General Contractor 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.

Project Engineer Name Title Signature Date

EXTRA WORK - Direct Cost Breakdown

DESCRIPTION OF EXTRA WORK ACTIVITIES

Abandonment of 18" Gravity Sewer Main towards the West of MH 33660002 including grouting of the existing 18" Gravity Main and partial demolition and removal of the existing MH 33660001. This work excludes dewatering, MH 33660001 will be removed to a depth not to exceed 5' from the asphalt or 1' above the water table at the time of the work, which ever is shallower. Excavatable flowable fill will be used to fill the MH and excavation to the bottom of the proposed roadway base, the base installed shall be 8" high early concrete with 2" structural course of asphalt and 1.5" of Friction Course.

ITEM #	DESCRIPTION
Change Order	
Extra work - Direct cost breakdown	Time : 32.00 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	32.00	\$ 48.08	25.60		6.40	\$1,692.42
Excavator Operator	1	32.00	\$ 22.00	25.60		6.40	\$774.40
Pipe Layer	1	32.00	\$ 23.00	25.60		6.40	\$809.60
Loader Operator	1	32.00	\$ 22.00	25.60		6.40	\$774.40
Laborer	1	32.00	\$ 14.00	25.60		6.40	\$492.80
Laborer	1	32.00	\$ 14.00	25.60		6.40	\$492.80
	6						
Sub-Total							\$5,036.42
66.60% Labor Burden :							\$3,354.25
Labor Including Burden :							\$8,390.67
Mark Up 15%							\$1,258.60
Total Labor							\$9,649.27

B.-Equipment Requirements

Description	Qty	Monthly Rate	Weekly Rate	Rental Duration		Operating Cost/Hr	Operating Hours	Duration	Amount
				Day	Hourly Rate				
Komatsu 200 Excavator (19.1-21 MT)	1	\$ 6,835.00	\$ 2,573.00	\$ 956.00	\$ 87.96	\$ 44.75	32.00	0.00	\$1,432.00
Mini Excavator 14-15 Ton	1	\$ 3,709.00	\$ 1,570.00	\$ 546.00	\$ 21.07	\$ 30.80	32.00	0.00	\$985.60
Water Truck	1	\$ 3,500.00	\$ 348.00	\$ 128.00	\$ 74.86	\$ 44.00	8.00	0.00	\$352.00
Wheel Loader - 3 Yrd (W/Forks)	1	\$ 5,258.00	\$ 2,043.00	\$ 712.00	\$ 57.16	\$ 31.30	32.00	0.00	\$1,001.60
CAT 420 Combination	1	\$ 2,744.00	\$ 1,130.00	\$ 396.00	\$ 38.65	\$ 21.20	32.00	0.00	\$678.40
Single Drum Vibratory Compactors	1	\$ 2,639.00	\$ 1,004.00	\$ 354.00	\$ 74.86	\$ 44.00	8.00	0.00	\$352.00
Walk-behind Saw	1	\$ 1,530.00	\$ 510.00	\$ 205.00	\$ 14.00	\$ 19.05	8.00	1.00	\$357.40
Sweeper	1	\$ 2,583.00	\$ 972.00	\$ 150.00	\$ 25.73	\$ 13.30	8.00	0.00	\$106.40
Light Tower	2	\$ 1,100.00	\$ 349.00	\$ 139.00	\$ 19.86	\$ 15.89	32.00	0.00	\$1,016.83
1/2 Ton Crew cab Pick-up Truck	1	\$ 735.00	\$ 349.00	\$ 139.00	\$ 16.40	\$ 12.25	32.00	0.00	\$392.00
8'x20'x1" Steel Road Plates	6	\$ 500.00	\$ 166.67	\$ 55.56	\$ 2.84	\$ 0.71	32.00	0.00	\$136.32
Sub Total									\$6,810.55
Mark Up 15%									\$1,021.58
Total Equipment									\$7,832.13

EXTRA WORK - Direct Cost Breakdown

C.-Material

Description	Qty	Invoice #		Unit	Rate (w/tax)		Amount
							\$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
Vactor Truck	8.00		HR	\$ 175.00	1.00	\$1,400.00
Flowable Fill/Grout	58.52		CY	\$ 130.00	1.00	\$7,607.60
Pump Truck	1.00		LS	\$ 850.00	1.00	\$850.00
					1.00	\$0.00
					1.00	\$0.00
					1.00	\$0.00
Sub Total						\$9,857.60
Mark Up 7.5%						\$739.32
Total Subcontractor						\$10,596.92

E.- Misc. Requirements

Description	Qty	Invoice #	Unit	Rate (w/tax)	Duration	Amount
				\$ -	1.00	\$0.00
Sub Total						\$0.00
Mark Up 15%						\$0.00
Total Misc. Requirements						\$0.00
Total :						\$28,078.32

METRO EQUIPMENT SERVICE, INC.

Change Order

DATE: 12/17/2018 CO# 4

PROJECT: **Orange County Utilities**
University Blvd. and Rouse Rd. Emergency Repair

TO: Metro Equipment Service Job # 18-06
James Montalvo
Orange County Utilities
9150 Curry Ford Road
Orlando, FL 32825

RE: **Abandonment of existing sewer manhole along with Grouting the existing 12" main going East. Re-route existing 4" FM to the next MH downstream and install FRP Liner along with associated restoration. Work also includes complete removal of the deteriorated brick manhole including dewatering. Water discharged from the dewatering activity is to be discharged into the adjacent gravity sewer manhole.**

<u>LABOR</u> (see attached documents)	<u>Total</u>	\$ 23,598.76	<u>Allowable Mark Up</u>	\$ 3,539.81	\$	27,138.57
<u>EQUIPMENT</u> (see attached documents)	<u>Total</u>	\$36,205.79	<u>Allowable Mark Up</u>	\$5,430.50	\$	41,636.66
<u>MATERIALS & SUPPLIES</u> (see attached documents)	<u>Total</u>	\$ -	<u>Allowable Mark Up</u>	\$ -	\$	-
<u>SUBCONTRACTS</u> (see attached documents)	<u>Total</u>	\$18,885.19	<u>Allowable Mark Up</u>	\$ 1,416.39	\$	20,301.57
<u>MISC. Requirments</u> (see attached documents)	<u>Total</u>	\$3,000.00	<u>Allowable Mark Up</u>	\$ 450.00	\$	\$3,450.00
					Subtotal	\$ 92,526.80
					Direct Costs Subtotal	\$ 92,526.80

Additional Items

PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
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PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
IN CONTRACT PAY ITEMS:					
5	MOT	LS	100%	\$ 19,500.00	\$ 19,500.00
8	Unsuitable Materials	CY	55	\$ 4.00	\$ 220.00
9	Clean Fill Dirt	CY	55	\$ 6.00	\$ 330.00
16	Bypass Pumping for Sewer Main (6" to 12")	LS	0%	\$ 80,000.00	\$ -
10	High Early Concrete (8" thick)	SY	55.00	\$ 190.00	\$ 10,450.00
11	Mill & Resurfacing	SY	293.33	\$ 60.00	\$ 17,600.00
12	Asphalt Roadway Replacment (1"-2" thick)	SY	55.00	\$ 120.00	\$ 6,600.00
15	Sod Replacement	SY	391.11	\$ 20.00	\$ 7,822.22
14	Concrete Curb & Gutter Replacment	LF	66.00	\$ 50.00	\$ 3,300.00
Subtotal					\$ 65,822.22

Change Order Sub-Total \$ 158,349.03
Additional Bonding \$ 3,166.98
TOTAL INCREASE: \$ 161,516.01

TOTAL OF THIS CHANGE ORDER REQUEST ADD DEDUCT TBD \$ 161,516.01

The Contract Time will be revised to reflect: ADD DEDUCT TBD **60 Calendar Days**

Metro Equipment Service Daniel Gonzalez Project Manager 12/17/2018
General Contractor 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.

Project Engineer Name Title Signature Date

EXTRA WORK - Direct Cost Breakdown

DESCRIPTION OF EXTRA WORK ACTIVITIES

ITEM #	DESCRIPTION
Change Order	
Extra work - Direct cost breakdown	
Time : 90.00 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	90.00	\$ 48.08	72.00		18.00	\$4,759.92
Excavator Operator	1	90.00	\$ 22.00	72.00		18.00	\$2,178.00
Pipe Layer	1	90.00	\$ 23.00	72.00		18.00	\$2,277.00
Loader Operator	1	90.00	\$ 22.00	72.00		18.00	\$2,178.00
Laborer	1	90.00	\$ 14.00	72.00		18.00	\$1,386.00
Laborer	1	90.00	\$ 14.00	72.00		18.00	\$1,386.00
	6						
Sub-Total							\$14,164.92
66.60% Labor Burden :							\$9,433.84
Labor Including Burden:							\$23,598.76
Mark Up 15%							\$3,539.81
Total Labor							\$27,138.57

B.-Equipment Requirements

Description	Qty	Monthly Rate	Weekly Rate	Daily Rate	Rental Duration		Operating Hours		Duration	Amount
					2	Hourly Rate	Operating Cost/Hr	Operating Hours		
Komatsu 200 Excavator (19.1-21 MT)	1	\$ 6,835.00	\$ 2,573.00	\$ 956.00	\$ 87.96	\$ 44.75	90.00	2.00	\$9,173.50	
Mini Excavator 14-15 Ton	1	\$ 3,709.00	\$ 1,570.00	\$ 546.00	\$ 21.07	\$ 30.80	90.00	2.00	\$5,912.00	
Water Truck	1	\$ 3,500.00	\$ 348.00	\$ 128.00	\$ 74.86	\$ 44.00	22.50	2.00	\$1,686.00	
Wheel Loader - 3 Yrd (W/Forks)	1	\$ 5,258.00	\$ 2,043.00	\$ 712.00	\$ 57.16	\$ 31.30	90.00	2.00	\$6,903.00	
CAT 420 Combination	1	\$ 2,744.00	\$ 1,130.00	\$ 396.00	\$ 38.65	\$ 21.20	90.00	2.00	\$4,168.00	
Single Drum Vibratory Compactors	1	\$ 2,639.00	\$ 1,004.00	\$ 354.00	\$ 74.86	\$ 44.00	22.50	2.00	\$2,998.00	
Walk-behind Saw	1	\$ 1,530.00	\$ 510.00	\$ 205.00	\$ 14.00	\$ 19.05	12.00	1.00	\$738.60	
Sweeper	1	\$ 2,583.00	\$ 972.00	\$ 150.00	\$ 25.73	\$ 13.30	22.50	2.00	\$2,243.25	
Light Tower	0	\$ 1,100.00	\$ 349.00	\$ 139.00	\$ 19.86	\$ 15.89	90.00	2.00	\$0.00	
1/2 Ton Crew cab Pick-up Truck	0	\$ 735.00	\$ 349.00	\$ 139.00	\$ 16.40	\$ 12.25	90.00	2.00	\$0.00	
8'x20'x1" Steel Road Plates	6	\$ 500.00	\$ 166.67	\$ 55.56	\$ 2.84	\$ 0.71	90.00	2.00	\$2,383.44	
Sub Total										\$36,205.79
Mark Up 15%										\$5,430.87
Total Equipment										\$41,636.66

EXTRA WORK - Direct Cost Breakdown

C.-Material

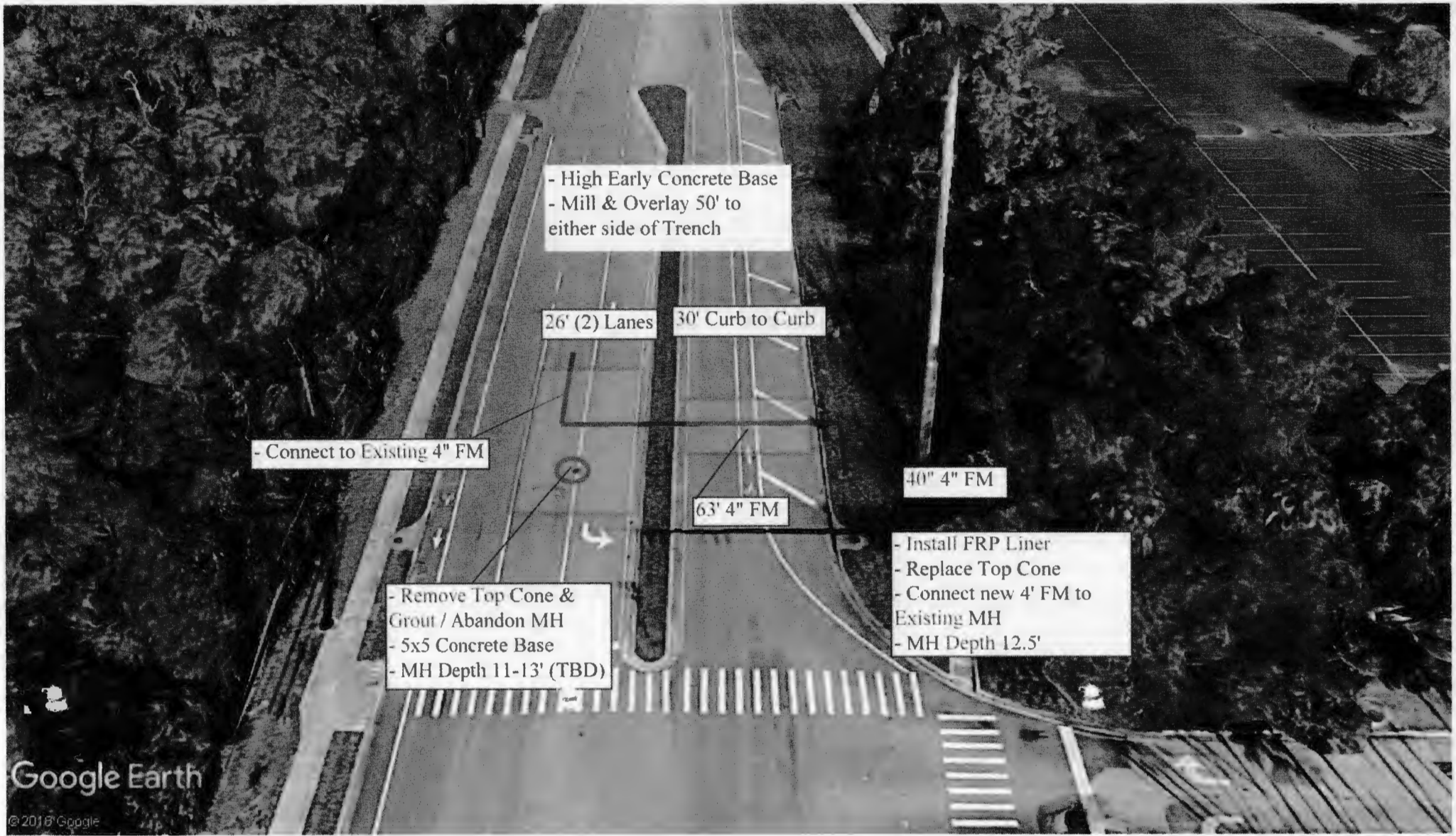
Description	Qty	Invoice #		Unit	Rate (w/tax)		Amount
							\$0.00
							\$0.00
Sub Total							\$0.00
Mark Up 15%							\$0.00
Total Materials							\$0.00

D.-Subcontractor Requirements

Subcontractor	Total Qty		Unit	Rate (w/tax)	Duration	Amount
Vactor Truck	8.00		HR	\$ 175.00	1.00	\$1,400.00
Additional Survey and Asbuilts	1.00		LS	\$ 2,000.00	1.00	\$2,000.00
Pre-Construction Video	1.00		LS	\$ 500.00	1.00	\$500.00
Core Drill	1.00		LS	\$ 750.00	1.00	\$750.00
Flowable Fill/Grout	102.96		CY	\$ 130.00		\$13,385.19
Pump Truck	1.00		LS	\$ 850.00		\$850.00
Sub Total						\$18,885.19
Mark Up 7.5%						\$1,416.39
Total Subcontractor						\$20,301.57

E.- Misc. Requirements

Description	Qty	Invoice #	Unit	Rate (w/tax)	Duration	Amount
Fiberglass MH Insert	1		EA	\$ 3,000.00	1.00	\$3,000.00
				\$ -	1.00	\$0.00
				\$ -	1.00	\$0.00
Sub Total						\$3,000.00
Mark Up 15%						\$450.00
Total Misc. Requirements						\$3,450.00
Total :						\$92,526.80



- High Early Concrete Base
- Mill & Overlay 50' to either side of Trench

26' (2) Lanes

30' Curb to Curb

- Connect to Existing 4" FM

40" 4" FM

63' 4" FM

- Remove Top Cone & Grout / Abandon MH
- 5x5 Concrete Base
- MH Depth 11-13' (TBD)

- Install FRP Liner
- Replace Top Cone
- Connect new 4' FM to Existing MH
- MH Depth 12.5'

METRO EQUIPMENT SERVICE, INC.

Change Order

DATE: 12/17/2018

CO# 5

PROJECT: **Orange County Utilities**
University Blvd. and Rouse Rd. Emergency Repair

TO: Metro Equipment Service Job # 18-06
James Montalvo
Orange County Utilities
9150 Curry Ford Road
Orlando, FL 32825

RE: Restoration Items performed per the areas designated on the plans.

LABOR (see attached documents)	<u>Total</u>		<u>Allowable Mark Up</u>		
	\$	-	\$	-	\$ -
EQUIPMENT (see attached documents)	<u>Total</u>	\$0.00	<u>Allowable Mark Up</u>	\$0.00	\$ -
MATERIALS & SUPPLIES (see attached documents)	<u>Total</u>	\$ -	<u>Allowable Mark Up</u>	\$ -	\$ -
SUBCONTRACTS (see attached documents)	<u>Total</u>	\$0.00	<u>Allowable Mark Up</u>	\$ -	\$ -
MISC. Requirments (see attached documents)	<u>Total</u>	\$0.00	<u>Allowable Mark Up</u>	\$ -	\$0.00
				Subtotal	\$ -
				Direct Costs Subtotal	\$ -

Additional Items

PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
IN CONTRACT PAY ITEMS:					
PAY ITEM	DESCRIPTION	UNIT	QTY.	U. COST	SUB. TOT
	High Early Concrete (8" thick)	SY	315.82	\$ 190.00	\$ 60,006.22
	Mill & Resurfacing	SY	1534.62	\$ 60.00	\$ 92,077.33
	Asphalt Roadway Replacment (1"-2" thick)	SY	315.82	\$ 120.00	\$ 37,898.67
				Subtotal	\$ 189,982.22
				Change Order Sub-Total	\$ 189,982.22
				Additional Bonding	\$ 3,799.64
				TOTAL INCREASE:	\$ 193,781.87

TOTAL OF THIS CHANGE ORDER REQUEST ADD DEDUCT TBD \$ 193,781.87

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

Metro Equipment Service Daniel Gonzalez Project Manager  12/17/2018
General Contractor 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.

Project Engineer _____ Name Title Signature Date



NOTE:
1. A 10" THICK CONCRETE BASE
MAY BE PRESENT AROUND
ALL EXISTING MANHOLES

Mixing and Manufacturing Lanes for MH 2366001
80' to further side of Abandoned MH

PLUG EAST EXHENT OF
MANHOLE 2366007

CORE EXISTING MANHOLE
FOR BYPASS PIPING

CUT AND INSTALL
SUCTION FOR BYPASS PIPING
24" BELOW GRADE. PROVIDE
TEMPORARY ASPHALT.

INSTALL 4131 L.F. OF
TEMPORARY HOPE BYPASS
ABOVE GROUND PIPING


INSTALL 4188 L.F. OF
TEMPORARY HOPE BYPASS
ABOVE GROUND PIPING

INSTALL TEMPORARY BYPASSING
24" PIPING BELOW SIDEWALK
REMOVE EXISTING SIDEWALK
DURING BYPASS PUMPING

CORE EXISTING STRUCTURE
FOR BYPASS PIPING

CUT AND INSTALL BYPASS
PIPING 24" BELOW GRADE
PROVIDE TEMPORARY ASPHALT

 Trench

3843.9 SQ FT 

CONFORMED DRAWING

Trench 1000 N. 1st St. Phoenix, AZ 85004 Phone: 602.255.0400	License: Reg. C.A.A. No. 3718 Survey L.S. No. 7148 Arch. Lic. No. A00000000 Professional Engineer Florida License #95041	BYPASS REPAIR PLAN UNIVERSITY BOULEVARD AND ROUSE ROAD GRAVITY SEWER EMERGENCY REPAIR		OCU FILE NO.: DESIGNED BY: MG DRAWN BY: GMP CHECKED BY: DEM CADD FILE: Q2842 Emergency.sppar C-101	SCALE: 1"=60' DRAWING NO.: C-100 SHEET: 8 OF 32
		DAVID E. MAHLER PROFESSIONAL ENGINEER FLORIDA LICENSE #95041			

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 Y18-761-TA
 Contract Number
Orange County Utilities University BLVD. and Rouse Rd. Emergency Repair
 Contract Title

II. Introductory Summary:

Negotiations for the purchase of: **Additional restoration & Emergency repair to existing MH**

 Product/Services

Were completed on: 2/7/2019
 Date

With: Metro Equipment Service, 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
<u>NA</u>	<u>Additions \$570,175.87</u>	<u>\$488,955.16</u>

III. Particulars:

A. Complete Name and Metro Equipment Service, Inc.
 Address of Company 9425 SW 72 Street, Suite 150

B. Lump Sum/Not-to-exceed \$1,367,355.16

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

<u>Proposed</u>	<u>Negotiated</u>
_____	_____
_____	_____
_____	_____

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

<u>Name</u>	<u>Title</u>	<u>Organization</u>
<u>Danny Gonzalez</u>	<u>Project manager</u>	
<u>James Montalvo</u>	<u>Chief Utilities Inspector</u>	
<u>Dennis Davies</u>	<u>Inspector III</u>	

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.

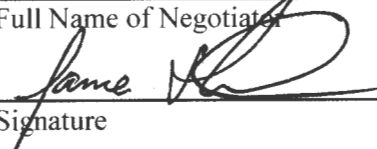
V. **Negotiation Summary:**

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


Signature

2/10/2018
Date