

County Auditor's Form 1258B  
Harris County, Texas (REV. 09/03)

**CHANGE IN CONTRACT**  
**COUNTY OF HARRIS**

Date	10.07.2021	Change Order No	20/0136-2
Contractor	<del>ANGEL BROTHERS ENTERPRISES LTD</del> Texas Materials Group, Inc. <i>mg</i>	Project	Louetta Bridge at Little Cypress Creek (Seg 2) 20/0136
Address	5210 WEST RD, , BAYTOWN, TX 77521-9022		
Purchase Order No.	HCNTY-0000015969 / <i>HCNTY-00000</i> <i>40918 mg</i>	UPIN	18103MFORY01

In conjunction with your contract dated for the construction of the above mentioned project, the work or material outlined below was not comprehended in the original contract, or the following deduction is desired.

When this order has been properly filled in, and approved, Contractor will proceed to do this work in accordance with the alteration set out below.

I have examined the Contractor's charge for the work to be done and it is fair and reasonable.

DocuSigned by:  
*Jennifer Almonte* 10/11/2021  
BD35578970864FD... Architect/Engineer

Contractor is to include detailed receipted invoices and payrolls when billing on all cost-plus extras.

**THE CONTRACT IS CHANGED AS FOLLOWS:**

Additions include: Raising headwall, pedestrian railing, lowering outfall, adding inlet, various overruns. All work on Pct 4 side, CIC to be reimbursed to Pct 3 by Pct 4 per joint project agreement.

ESTIMATE OF COST				
	UNIT	QUANTITY	UNIT COST	TOTAL
Total Change Amount (See backup for details)				\$196,204.86
Calendar Days	Days	18	N/A	
TOTAL ADDED TO CONTRACT				\$196,204.86
TOTAL DEDUCTED FROM CONTRACT				\$ .00

Funds are or will be available to meet this obligation when due.

Approved \_\_\_\_\_  
County Auditor

Approved *Beckham Smith* 11-1-21  
DocuSigned by: Precinct Commissioner or Department Head

Basis and Work Agreement DocuSigned by:

Approved *Julia Bond* 10/11/2021  
1CB700838E1441B... Office of the County Engineer

Signed *Jason L. Bercaw*  
2417D8F48BAF4B0... For the Contractor

Authorized in Minutes of \_\_\_\_\_

Auditor's File Number

Vol

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## Potential Change Order Details

PCO - 17

Associated with RFI#

**Justification:** Add inlet on back side of residential property, within ROW, to capture water. Tie into trunk line. Regrade area to drain to new inlet. Regrade south headwall area to drain to interceptor.

Item #	Description	Change Quantity	Unit Cost	Unit of Measure	Change Amount
001	PROJECT SIGN	.000	\$750.00	EA	\$ .00
002	CLEARING AND GRUBBING (ROADWAY)	.000	\$560,000.00	LS	\$ .00
003	CLEARING AND GRUBBING (DETENTION)	.000	\$50,000.00	LS	\$ .00
004	REMOVING CONCRETE (6" DOWELED CURB)	.000	\$1.00	LF	\$ .00
005	REMOVING CONCRETE PAVEMENT	.000	\$38.00	SY	\$ .00
006	REMOVE AND DISPOSE OF CONCRETE PAVEMENT, CURB, MEDIAN, SIDEWALK AND RAMP (ALL DEPTHS)	.000	\$22.00	SY	\$ .00
007	ROADWAY EXCAVATION, INCLUDING 3" STRIPPING	.000	\$16.00	CY	\$ .00
008	CHANNEL EXCAVATION UNDER BRIDGE	.000	\$13.00	CY	\$ .00
009	DETENTION BASIN EXCAVATION, INCLUDING 3" STRIPPING	.000	\$9.50	CY	\$ .00
010	BORROW	.000	\$11.50	CY	\$ .00
011	REMOVE AND DISPOSE OF EXISTING CONCRETE OR METAL PIPE (ALL TYPES AND SIZES)	.000	\$6.50	LF	\$ .00
012	REMOVING OLD STRUCTURES, MANHOLES (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
013	REMOVING OLD STRUCTURES, INLETS (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
014	REMOVING OLD STRUCTURES, BACKSLOPE INTERCEPTOR STRUCTURES (ALL DEPTHS)	.000	\$330.00	EA	\$ .00
015	REMOVING OLD STRUCTURES (HEADWALL)	.000	\$2,950.00	EA	\$ .00
016	REMOVE & RELOCATE OR DISPOSE OF TRAFFIC SIGNS, MAIL BOXES AND ROADWAY SIGNS	.000	\$55.00	EA	\$ .00
017	VIDEO RECORDING CONSTRUCTION	.000	\$500.00	LS	\$ .00
018	LIME (3%) (ROADWAY)	.000	\$185.00	TN	\$ .00
019	LIME (3%) (PEDESTRIAN TRAIL)	.000	\$185.00	TN	\$ .00
020	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 8" DEPTH (3% LIME AND 9% FLYASH) (ROADWAY)	.000	\$3.00	SY	\$ .00
021	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 6" DEPTH (3% LIME AND 9% FLYASH) (PEDESTRIAN TRAIL)	.000	\$8.00	SY	\$ .00
022	FLYASH (9%) (ROADWAY)	.000	\$88.00	TN	\$ .00
023	FLYASH (9%) (PEDESTRIAN TRAIL)	.000	\$88.00	TN	\$ .00
024	REINFORCED CONCRETE PAVEMENT (10" DEPTH)	.000	\$54.40	SY	\$ .00
025	REINFORCED CONCRETE PAVEMENT (PEDESTRIAN TRAIL)(5" DEPTH)	.000	\$64.00	SY	\$ .00
026	FLEX BEAM GUARD RAIL, W/MOW STRIP	.000	\$63.00	LF	\$ .00
027	FLEX BEAM TURN DOWN TERMINAL SECTION (25' LONG) W/ ANCHOR	.000	\$1,150.00	EA	\$ .00
028	6" CONCRETE CURB	.000	\$2.85	LF	\$ .00
029	6" CONCRETE CURB (DOWEL)	.000	\$5.75	LF	\$ .00
030	FURNISH AND INSTALL TYPE NINE (9) REINFORCED CONCRETE RAMP	.000	\$1,200.00	EA	\$ .00
031	FURNISH AND INSTALL TYPE (12) REINFORCED CONCRETE RAMP	.000	\$1,550.00	EA	\$ .00
032	FURNISH AND INSTALL 4 1/2" REINFORCED CONCRETE SIDEWALK	.000	\$57.00	SY	\$ .00
033	ESPLANADES, MEDIANS, AND DIRECTIONAL ISLANDS (6") CONCRETE	.000	\$90.00	SY	\$ .00

034	COLORING OF CONCRETE (BLACK) IN MEDIAN NOSES	.000	\$160.00	SY	\$ .00
035	CONCRETE CHANNEL LINING (5")	.000	\$60.00	SY	\$ .00
036	ALUMINUM SIGNS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$275.00	EA	\$ .00
037	OBJECT MARKERS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$170.00	EA	\$ .00
038	IN STL DEL ASSM(D-SY)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
039	IN STL DEL ASSM(D-SW)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
040	IN STL DEL ASSM(D-SY)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
041	IN STL DEL ASSM(D-SW)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
042	IN STL DEL ASSM(D-SY)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
043	IN STL DEL ASSM(D-SW)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
044	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 4" WHITE/BROKEN - FURNISH AND APPLIED	.000	\$1.10	LF	\$ .00
045	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 8" WHITE/SOLID - FURNISH AND APPLIED	.000	\$1.60	LF	\$ .00
046	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 12" WHITE/SOLID - FURNISH AND APPLIED	.000	\$3.80	LF	\$ .00
047	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 24" WHITE/SOLID - FURNISH AND APPLIED	.000	\$7.00	LF	\$ .00
048	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) SINGLE ARROW (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
049	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) WORD "ONLY" (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
050	PAINT CURB AT MEDIAN NOSE (YELLOW)	.000	\$ .80	LF	\$ .00
051	TRAFFIC PAINT (SOLVENT BASED) 4" SOLID YELLOW STRIPE	.000	\$ .25	LF	\$ .00
052	REFLECTORIZED PAVEMENT MARKERS TYPE II-C-R - FURNISH & INSTALL	.000	\$4.50	EA	\$ .00
053	NON-REFLECTORIZED CERAMIC TRAFFIC BUTTONS (WHITE) - FURNISH AND INSTALL	.000	\$4.00	EA	\$ .00
054	24" CONCRETE COLLAR	.000	\$440.00	CY	\$ .00
055	TRENCH SAFETY SYSTEMS, 5-10 FOOT DEPTH	.000	\$1.50	LF	\$ .00
056	TRENCH SAFETY SYSTEMS, 10-15 FOOT DEPTH	.000	\$2.00	LF	\$ .00
057	TIMBER BENT FOR 66-INCH CGMP OUTFALL	.000	\$1,800.00	EA	\$ .00
058	TIMBER BENT FOR 54-INCH CGMP OUTFALL	.000	\$1,700.00	EA	\$ .00
059	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (24")	.000	\$78.00	LF	\$ .00
060	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (36")	.000	\$130.00	LF	\$ .00
061	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (42")	.000	\$161.00	LF	\$ .00
062	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (48")	.000	\$179.00	LF	\$ .00
063	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (66")	.000	\$327.00	LF	\$ .00
064	CONNECT 24" RCP TO EXIST INLET	.000	\$502.00	EA	\$ .00
065	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET WITH INLET TOP	.000	\$3,000.00	EA	\$ .00
066	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET	.000	\$4,650.00	EA	\$ .00
067	PRECAST CONCRETE EXTRA DEPTH JUNCTION BOX	.000	\$7,650.00	EA	\$ .00

	WITH MANHOLE WITH DEPTH GREATER THAN 10 FEET				
068	PRECAST TYPE "BB" INLET	.000	\$2,650.00	EA	\$ .00
069	PRECAST TYPE "C" INLET	.000	\$4,000.00	EA	\$ .00
070	PRECAST TYPE "A" MODIFIED INLET	.000	\$2,500.00	EA	\$ .00
071	ADJUSTING MANHOLES	.000	\$465.00	EA	\$ .00
072	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X10'), RUBBER GASKET	.000	\$850.00	LF	\$ .00
073	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X8'), RUBBER GASKET	.000	\$779.00	LF	\$ .00
074	WINGWALL (PW-1) (HW = 13 FT)	.000	\$230,000.00	EA	\$ .00
075	WINGWALL (PW-1) (HW = 15 FT)	.000	\$208,000.00	EA	\$ .00
076	WINGWALL (PW-1) (HW = 11.5 FT)	.000	\$73,000.00	EA	\$ .00
077	WINGWALL (FW-0) (HW = 10 FT)	.000	\$36,000.00	EA	\$ .00
078	CCTV INSPECTION OF THE NEW STORM SEWER TRUNKLINE (ALL SIZES)	.000	\$6.00	LF	\$ .00
079	INSTALLATION OF 24" THICK CLAY LINER ON SIDE SLOPES OF CHANNEL AND BASIN PER GEOTECH REPORT	.000	\$24.50	CY	\$ .00
080	BACKSLOPE DRAINAGE SYSTEMS SWALES	.000	\$5.75	LF	\$ .00
081	OFFSITE DITCH INTERCEPTOR STRUCTURE (INCLUDING CEMENT STABILIZED SAND)	.000	\$1,000.00	EA	\$ .00
082	REINFORCED CONCRETE PILOT CHANNEL (6" THICK) (INCLUDING TOE WALLS AND CONTROL STRUCTURE)	.000	\$59.00	SY	\$ .00
083	RIPRAP GRADATION NO. 1 AND GRANULAR FILL	.000	\$76.00	SY	\$ .00
084	RIPRAP GRADATION NO. 2 AND GRANULAR FILL	.000	\$90.00	SY	\$ .00
085	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (24")	.000	\$90.00	LF	\$ .00
086	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (66")	.000	\$200.00	LF	\$ .00
087	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (54")	.000	\$174.00	LF	\$ .00
088	DRILLED SHAFT FOUNDATIONS (18" DIA)	.000	\$84.00	LF	\$ .00
089	DRILLED SHAFT FOUNDATIONS (36" DIA)	.000	\$204.00	LF	\$ .00
090	DRILLED SHAFT FOUNDATIONS (42" DIA)	.000	\$271.00	LF	\$ .00
091	CLASS "B1" CONCRETE, ABUTMENT	.000	\$756.00	CY	\$ .00
092	CLASS "B1" CONCRETE, COMBINATION PARAPET	.000	\$1,425.00	CY	\$ .00
093	CLASS "B1" CONCRETE, CAP	.000	\$755.00	CY	\$ .00
094	CLASS "B1" CONCRETE, COLUMN	.000	\$804.00	CY	\$ .00
095	CLASS "A1" CONCRETE, APPROACH SLAB	.000	\$174.00	SY	\$ .00
096	CLASS "A1" CONCRETE, BRIDGE CURB	.000	\$149.00	SY	\$ .00
097	CLASS "A1" CONCRETE, BRIDGE SIDEWALK	.000	\$107.00	SY	\$ .00
098	CLASS "A1" CONCRETE, BRIDGE DECK	.000	\$146.00	SY	\$ .00
099	PRESTR CONC TXGIRDERS (TX34)	.000	\$143.50	LF	\$ .00
100	PRESTR CONC TXGIRDERS (TX54)	.000	\$157.50	LF	\$ .00
101	CEMENT STABILIZED SAND	.000	\$80.00	CY	\$ .00
102	JOINT COVER PLATES	.000	\$15.50	LB	\$ .00
103	BRIDGE PLAQUE	.000	\$2,200.00	EA	\$ .00
104	TRAFFIC RAIL	.000	\$76.00	LF	\$ .00
105	COMBINATION RAIL	.000	\$122.00	LF	\$ .00
106	PEDESTRIAN RAIL	.000	\$83.00	LF	\$ .00
107	SEALED EXPANSION JOINT (TYPE M)	.000	\$136.00	LF	\$ .00
108	TRAFFIC CONTROL - FURNISH, INSTALL & REMOVE	.000	\$380.00	MO	\$ .00
109	SODDING FOR EROSION CONTROL AND FINAL STABILIZATION	.000	\$3.40	SY	\$ .00
110	HYDRO-MULCH SEEDING (FOR EROSION CONTROL AND FINAL STABILIZATION)	.000	\$1,300.00	AC	\$ .00
111	TPDES GENERAL PERMIT NO. TXR 15000, NOTICE OF INTENT (NOI) APPLICATION FEES (CONTRACOR'S	.000	\$325.00	EA	\$ .00

	NOI FEE & HARRIS COUNTY'S NOI FEE, EACH FEE SHALL BE SET PRICE OF \$325.00)				
112	REINFORCED FILTER FABRIC BARRIER (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1.80	LF	\$ .00
113	INLET PROTECTION BARRIER (STAGE I INLETS, WITH REINFORCED FILTER FABRIC FENCE; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$110.00	EA	\$ .00
114	STABILIZED CONSTRUCTION ACCESS (TYPE I - ROCK; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$20.00	SY	\$ .00
115	CONCRETE TRUCK WASHOUT STRUCTURES (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1,600.00	LS	\$ .00
116	INLET PROTECTION BARRIER (STAGE II INLETS, GRAVEL BAGS; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$49.00	EA	\$ .00
117	ROCK FILTER DAMS (TYPE 3; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$11.00	LF	\$ .00
118	SWPPP INSPECTION AND MAINTENANCE (MIN BID \$6000/MO)	.000	\$6,000.00	MO	\$ .00
119	FURNISH AND INSTALL 36" DRILLED SHAFT TRAFFIC SIGNAL POLE FOUNDATION FOR 34' POLES, AND ANCHOR BOLTS (USE CLASS B CONCRETE FOR FOUNDATION)	.000	\$272.00	VF	\$ .00
120	JACKING AND BORING PIPE, 4"	.000	\$17.00	LF	\$ .00
121	FURNISH AND INSTALL SPAN WIRE MOUNTED R10-17 T "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN (30" X 30")	.000	\$205.00	EA	\$ .00
122	FURNISH AND INSTALL "LOUETTA RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 60")	.000	\$255.00	EA	\$ .00
123	FURNISH AND INSTALL "STABLEWOOD FARMS RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 114")	.000	\$432.00	EA	\$ .00
124	FURNISH AND INSTALL 1" SCHEDULE 40 PVC CONDUIT	.000	\$8.00	LF	\$ .00
125	FURNISH AND INSTALL 2" SCHEDULE 40 PVC CONDUIT	.000	\$10.00	LF	\$ .00
126	FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT	.000	\$12.00	LF	\$ .00
127	Furnish and Install 3" (BORE) Schedule 40 PVC Conduit	.000	\$16.00	LF	\$ .00
128	FURNISH AND INSTALL 4" SCHEDULE 40 PVC CONDUIT	.000	\$14.00	LF	\$ .00
129	Furnish and Install 4" (BORE) Schedule 40 PVC Conduit	.000	\$17.00	LF	\$ .00
130	FURNISH AND INSTALL 2" RIGID METAL CONDUIT	.000	\$8.00	LF	\$ .00
131	FURNISH AND INSTALL #4 AWG, XHHW (STRANDED) WIRE	.000	\$1.50	LF	\$ .00
132	FURNISH AND INSTALL #8 AWG, BARE COPPER (SOLID) WIRE WITH GROUNDING HARDWARE	.000	\$ .80	LF	\$ .00
133	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$ .90	LF	\$ .00
134	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 50-2) (STRANDED) CABLE	.000	\$ .80	LF	\$ .00
135	FURNISH AND INSTALL 4/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$1.25	LF	\$ .00
136	FURNISH AND INSTALL 7/C #14 STRANDED AWG	.000	\$1.75	LF	\$ .00

	(IMSA 20-1) (STRANDED) CABLE				
137	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE	.000	\$6,000.00	EA	\$ .00
138	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE WITH 15' LUMINAIRE ARM AND SHORTING CAP	.000	\$7,200.00	EA	\$ .00
139	FURNISH AND INSTALL POWER SERVICE POLE - TY D (120/240)70(NS)SS(E)SP(O)	.000	\$4,600.00	EA	\$ .00
140	INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
141	FURNISH AND INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
142	FURNISH AND INSTALL 400 WATT EQUIVALENT LED LUMINAIRE ON 15' ARMS WITH A PHOTOELECTRIC CELL	.000	\$500.00	EA	\$ .00
143	INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
144	INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
145	FURNISH AND INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
146	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RYGG)	.000	\$700.00	EA	\$ .00
147	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
148	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RRYG)	.000	\$700.00	EA	\$ .00
149	FURNISH AND INSTALL 48", LED SIGN LIGHT ASSEMBLY WITH "LEFT TURN SIGNAL" SIGN (48"X12")	.000	\$500.00	EA	\$ .00
150	INSTALL LED (AC INPUT VOLTAGE) SINGLE SECTION SYMBOLIC PEDESTRIAN (COUNTDOWN) SIGNAL ASSEMBLY, ALL HARDWARE	.000	\$450.00	EA	\$ .00
151	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON STATION (RIGHT ARROW, LEFT ARROW, DOUBLE ARROW)	.000	\$250.00	EA	\$ .00
152	INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
153	FURNISH AND INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
154	FURNISH AND INSTALL PULL BOX (TYPE D) WITH LID APRON	.000	\$1,000.00	EA	\$ .00
155	FURNISH AND INSTALL GROUND BOX WITH LID AND APRON	.000	\$1,600.00	EA	\$ .00
156	FURNISH AND INSTALL TRAFFIC SIGNAL SYSTEM	.000	\$16,000.00	LS	\$ .00
157	SAWCUT AND INSTALL VEHICLE LOOP DETECTORS, INCLUDING LOOP WIRE	.000	\$9.00	LF	\$ .00
158	FURNISH AND INSTALL GROUND MOUNT ITS CONTROLLER CABINET ASSEMBLY (HC)(HOUSING 3) WITH SIDE MOUNTED BATTERY BACKUP SYSTEM (BBS)	.000	\$34,000.00	EA	\$ .00
159	FURNISH AND INSTALL A REINFORCED CONCRETE FOUNDATION FOR ITS CONTROLLER CABINET (HOUSING 3)	.000	\$2,750.00	EA	\$ .00
160	FURNISH AND INSTALL AN ATC 2071 LCS CONTROLLER UNIT	.000	\$4,000.00	EA	\$ .00
161	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (5-10 FOOT DEPTH)	.000	\$2.35	LF	\$ .00
162	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN	.000	\$6.25	LF	\$ .00

	(10-20 FOOT DEPTH)				
163	PROPOSED AIR RELEASE SANITARY SEWER MANHOLES	.000	\$5,700.00	EA	\$ .00
164	REMOVE AND DISPOSE OF 10" SANITARY FORCEMAIN	.000	\$7.50	LF	\$ .00
165	REMOVE AND DISPOSE OF AIR RELIEF VALVE MANHOLE	.000	\$155.00	EA	\$ .00
166	10" SANITARY FORCEMAIN (OPEN CUT)	.000	\$36.00	LF	\$ .00
167	SPECIAL EXCAVATION (MIN. BID \$10/CY)	.000	\$10.00	CY	\$ .00
168	SEAL SLAB FOR STORM SEWER (6") (MIN. BID \$25/SY)	.000	\$25.00	SY	\$ .00
169	WELL POINTING SYSTEM( MIN BID - \$25/LF)	.000	\$25.00	LF	\$ .00
170	ORANGE CONSTRUCTION SAFETY FENCE, AS DIRECTED BY ENGINEER, MIN BID - \$2/LF	.000	\$2.00	LF	\$ .00
171	MOWING PROJECT SITE	.000	\$450.00	CYCLE	\$ .00
172	UNIFORMED PEACE OFFICER (MIN BID - \$45/HR)	.000	\$45.00	HR	\$ .00
173	PROJECT SIGN JOINT PROJECT ADDITION	.000	\$400.00	LS	\$ .00
174	GAS LINE REMOVAL - Pct 3	.000	\$2,552.00	LS	\$ .00
175	PCT 3 FLOWABLE FILL	.000	\$7,126.60		\$ .00
178	RETURN OF 66" RCP TO SUPPLIER	.000	\$1,415.87	LS	\$ .00
182	ADD INLET AND REGRADE NORTH AND SOUTH AROUND HEADWALL	1.000	\$43,128.40	LS	\$43,128.40
<b>Total PCO Amount</b>					<b>\$43,128.40</b>

**Proposed Days for this PCO**                      3

## Potential Change Order Details

PCO - 16

Associated with RFI#

**Justification:** Outfall at Little Cypress Creek needs to be lowered approx. 7'. Timber bent will be removed and rebuilt, and a manhole will be added to avoid having to lower the MUD force main.

Item #	Description	Change Quantity	Unit Cost	Unit of Measure	Change Amount
001	PROJECT SIGN	.000	\$750.00	EA	\$ .00
002	CLEARING AND GRUBBING (ROADWAY)	.000	\$560,000.00	LS	\$ .00
003	CLEARING AND GRUBBING (DETENTION)	.000	\$50,000.00	LS	\$ .00
004	REMOVING CONCRETE (6" DOWELED CURB)	.000	\$1.00	LF	\$ .00
005	REMOVING CONCRETE PAVEMENT	.000	\$38.00	SY	\$ .00
006	REMOVE AND DISPOSE OF CONCRETE PAVEMENT, CURB, MEDIAN, SIDEWALK AND RAMP (ALL DEPTHS)	.000	\$22.00	SY	\$ .00
007	ROADWAY EXCAVATION, INCLUDING 3" STRIPPING	.000	\$16.00	CY	\$ .00
008	CHANNEL EXCAVATION UNDER BRIDGE	.000	\$13.00	CY	\$ .00
009	DETENTION BASIN EXCAVATION, INCLUDING 3" STRIPPING	.000	\$9.50	CY	\$ .00
010	BORROW	.000	\$11.50	CY	\$ .00
011	REMOVE AND DISPOSE OF EXISTING CONCRETE OR METAL PIPE (ALL TYPES AND SIZES)	.000	\$6.50	LF	\$ .00
012	REMOVING OLD STRUCTURES, MANHOLES (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
013	REMOVING OLD STRUCTURES, INLETS (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
014	REMOVING OLD STRUCTURES, BACKSLOPE INTERCEPTOR STRUCTURES (ALL DEPTHS)	.000	\$330.00	EA	\$ .00
015	REMOVING OLD STRUCTURES (HEADWALL)	.000	\$2,950.00	EA	\$ .00
016	REMOVE & RELOCATE OR DISPOSE OF TRAFFIC SIGNS, MAIL BOXES AND ROADWAY SIGNS	.000	\$55.00	EA	\$ .00
017	VIDEO RECORDING CONSTRUCTION	.000	\$500.00	LS	\$ .00
018	LIME (3%) (ROADWAY)	.000	\$185.00	TN	\$ .00
019	LIME (3%) (PEDESTRIAN TRAIL)	.000	\$185.00	TN	\$ .00
020	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 8" DEPTH (3% LIME AND 9% FLYASH) (ROADWAY)	.000	\$3.00	SY	\$ .00
021	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 6" DEPTH (3% LIME AND 9% FLYASH) (PEDESTRIAN TRAIL)	.000	\$8.00	SY	\$ .00
022	FLYASH (9%) (ROADWAY)	.000	\$88.00	TN	\$ .00
023	FLYASH (9%) (PEDESTRIAN TRAIL)	.000	\$88.00	TN	\$ .00
024	REINFORCED CONCRETE PAVEMENT (10" DEPTH)	.000	\$54.40	SY	\$ .00
025	REINFORCED CONCRETE PAVEMENT (PEDESTRIAN TRAIL)(5" DEPTH)	.000	\$64.00	SY	\$ .00
026	FLEX BEAM GUARD RAIL, W/MOW STRIP	.000	\$63.00	LF	\$ .00
027	FLEX BEAM TURN DOWN TERMINAL SECTION (25' LONG) W/ ANCHOR	.000	\$1,150.00	EA	\$ .00
028	6" CONCRETE CURB	.000	\$2.85	LF	\$ .00
029	6" CONCRETE CURB (DOWEL)	.000	\$5.75	LF	\$ .00
030	FURNISH AND INSTALL TYPE NINE (9) REINFORCED CONCRETE RAMP	.000	\$1,200.00	EA	\$ .00
031	FURNISH AND INSTALL TYPE (12) REINFORCED CONCRETE RAMP	.000	\$1,550.00	EA	\$ .00
032	FURNISH AND INSTALL 4 1/2" REINFORCED CONCRETE SIDEWALK	.000	\$57.00	SY	\$ .00
033	ESPLANADES, MEDIANS, AND DIRECTIONAL ISLANDS (6") CONCRETE	.000	\$90.00	SY	\$ .00



034	COLORING OF CONCRETE (BLACK) IN MEDIAN NOSES	.000	\$160.00	SY	\$ .00
035	CONCRETE CHANNEL LINING (5")	.000	\$60.00	SY	\$ .00
036	ALUMINUM SIGNS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$275.00	EA	\$ .00
037	OBJECT MARKERS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$170.00	EA	\$ .00
038	IN STL DEL ASSM(D-SY)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
039	IN STL DEL ASSM(D-SW)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
040	IN STL DEL ASSM(D-SY)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
041	IN STL DEL ASSM(D-SW)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
042	IN STL DEL ASSM(D-SY)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
043	IN STL DEL ASSM(D-SW)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
044	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 4" WHITE/BROKEN - FURNISH AND APPLIED	.000	\$1.10	LF	\$ .00
045	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 8" WHITE/SOLID - FURNISH AND APPLIED	.000	\$1.60	LF	\$ .00
046	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 12" WHITE/SOLID - FURNISH AND APPLIED	.000	\$3.80	LF	\$ .00
047	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 24" WHITE/SOLID - FURNISH AND APPLIED	.000	\$7.00	LF	\$ .00
048	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) SINGLE ARROW (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
049	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) WORD "ONLY" (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
050	PAINT CURB AT MEDIAN NOSE (YELLOW)	.000	\$ .80	LF	\$ .00
051	TRAFFIC PAINT (SOLVENT BASED) 4" SOLID YELLOW STRIPE	.000	\$ .25	LF	\$ .00
052	REFLECTORIZED PAVEMENT MARKERS TYPE II-C-R - FURNISH & INSTALL	.000	\$4.50	EA	\$ .00
053	NON-REFLECTORIZED CERAMIC TRAFFIC BUTTONS (WHITE) - FURNISH AND INSTALL	.000	\$4.00	EA	\$ .00
054	24" CONCRETE COLLAR	.000	\$440.00	CY	\$ .00
055	TRENCH SAFETY SYSTEMS, 5-10 FOOT DEPTH	.000	\$1.50	LF	\$ .00
056	TRENCH SAFETY SYSTEMS, 10-15 FOOT DEPTH	.000	\$2.00	LF	\$ .00
057	TIMBER BENT FOR 66-INCH CGMP OUTFALL	.000	\$1,800.00	EA	\$ .00
058	TIMBER BENT FOR 54-INCH CGMP OUTFALL	.000	\$1,700.00	EA	\$ .00
059	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (24")	.000	\$78.00	LF	\$ .00
060	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (36")	.000	\$130.00	LF	\$ .00
061	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (42")	.000	\$161.00	LF	\$ .00
062	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (48")	.000	\$179.00	LF	\$ .00
063	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (66")	.000	\$327.00	LF	\$ .00
064	CONNECT 24" RCP TO EXIST INLET	.000	\$502.00	EA	\$ .00
065	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET WITH INLET TOP	.000	\$3,000.00	EA	\$ .00
066	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET	.000	\$4,650.00	EA	\$ .00
067	PRECAST CONCRETE EXTRA DEPTH JUNCTION BOX	.000	\$7,650.00	EA	\$ .00

	WITH MANHOLE WITH DEPTH GREATER THAN 10 FEET				
068	PRECAST TYPE "BB" INLET	.000	\$2,650.00	EA	\$ .00
069	PRECAST TYPE "C" INLET	.000	\$4,000.00	EA	\$ .00
070	PRECAST TYPE "A" MODIFIED INLET	.000	\$2,500.00	EA	\$ .00
071	ADJUSTING MANHOLES	.000	\$465.00	EA	\$ .00
072	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X10'), RUBBER GASKET	.000	\$850.00	LF	\$ .00
073	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X8'), RUBBER GASKET	.000	\$779.00	LF	\$ .00
074	WINGWALL (PW-1) (HW = 13 FT)	.000	\$230,000.00	EA	\$ .00
075	WINGWALL (PW-1) (HW = 15 FT)	.000	\$208,000.00	EA	\$ .00
076	WINGWALL (PW-1) (HW = 11.5 FT)	.000	\$73,000.00	EA	\$ .00
077	WINGWALL (FW-0) (HW = 10 FT)	.000	\$36,000.00	EA	\$ .00
078	CCTV INSPECTION OF THE NEW STORM SEWER TRUNKLINE (ALL SIZES)	.000	\$6.00	LF	\$ .00
079	INSTALLATION OF 24" THICK CLAY LINER ON SIDE SLOPES OF CHANNEL AND BASIN PER GEOTECH REPORT	.000	\$24.50	CY	\$ .00
080	BACKSLOPE DRAINAGE SYSTEMS SWALES	.000	\$5.75	LF	\$ .00
081	OFFSITE DITCH INTERCEPTOR STRUCTURE (INCLUDING CEMENT STABILIZED SAND)	.000	\$1,000.00	EA	\$ .00
082	REINFORCED CONCRETE PILOT CHANNEL (6" THICK) (INCLUDING TOE WALLS AND CONTROL STRUCTURE)	.000	\$59.00	SY	\$ .00
083	RIPRAP GRADATION NO. 1 AND GRANULAR FILL	.000	\$76.00	SY	\$ .00
084	RIPRAP GRADATION NO. 2 AND GRANULAR FILL	.000	\$90.00	SY	\$ .00
085	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (24")	.000	\$90.00	LF	\$ .00
086	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (66")	.000	\$200.00	LF	\$ .00
087	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (54")	.000	\$174.00	LF	\$ .00
088	DRILLED SHAFT FOUNDATIONS (18" DIA)	.000	\$84.00	LF	\$ .00
089	DRILLED SHAFT FOUNDATIONS (36" DIA)	.000	\$204.00	LF	\$ .00
090	DRILLED SHAFT FOUNDATIONS (42" DIA)	.000	\$271.00	LF	\$ .00
091	CLASS "B1" CONCRETE, ABUTMENT	.000	\$756.00	CY	\$ .00
092	CLASS "B1" CONCRETE, COMBINATION PARAPET	.000	\$1,425.00	CY	\$ .00
093	CLASS "B1" CONCRETE, CAP	.000	\$755.00	CY	\$ .00
094	CLASS "B1" CONCRETE, COLUMN	.000	\$804.00	CY	\$ .00
095	CLASS "A1" CONCRETE, APPROACH SLAB	.000	\$174.00	SY	\$ .00
096	CLASS "A1" CONCRETE, BRIDGE CURB	.000	\$149.00	SY	\$ .00
097	CLASS "A1" CONCRETE, BRIDGE SIDEWALK	.000	\$107.00	SY	\$ .00
098	CLASS "A1" CONCRETE, BRIDGE DECK	.000	\$146.00	SY	\$ .00
099	PRESTR CONC TXGIRDERS (TX34)	.000	\$143.50	LF	\$ .00
100	PRESTR CONC TXGIRDERS (TX54)	.000	\$157.50	LF	\$ .00
101	CEMENT STABILIZED SAND	.000	\$80.00	CY	\$ .00
102	JOINT COVER PLATES	.000	\$15.50	LB	\$ .00
103	BRIDGE PLAQUE	.000	\$2,200.00	EA	\$ .00
104	TRAFFIC RAIL	.000	\$76.00	LF	\$ .00
105	COMBINATION RAIL	.000	\$122.00	LF	\$ .00
106	PEDESTRIAN RAIL	.000	\$83.00	LF	\$ .00
107	SEALED EXPANSION JOINT (TYPE M)	.000	\$136.00	LF	\$ .00
108	TRAFFIC CONTROL - FURNISH, INSTALL & REMOVE	.000	\$380.00	MO	\$ .00
109	SODDING FOR EROSION CONTROL AND FINAL STABILIZATION	.000	\$3.40	SY	\$ .00
110	HYDRO-MULCH SEEDING (FOR EROSION CONTROL AND FINAL STABILIZATION)	.000	\$1,300.00	AC	\$ .00
111	TPDES GENERAL PERMIT NO. TXR 15000, NOTICE OF INTENT (NOI) APPLICATION FEES (CONTRACOR'S	.000	\$325.00	EA	\$ .00

	NOI FEE & HARRIS COUNTY'S NOI FEE, EACH FEE SHALL BE SET PRICE OF \$325.00)				
112	REINFORCED FILTER FABRIC BARRIER (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1.80	LF	\$ .00
113	INLET PROTECTION BARRIER (STAGE I INLETS, WITH REINFORCED FILTER FABRIC FENCE; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$110.00	EA	\$ .00
114	STABILIZED CONSTRUCTION ACCESS (TYPE I - ROCK; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$20.00	SY	\$ .00
115	CONCRETE TRUCK WASHOUT STRUCTURES (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1,600.00	LS	\$ .00
116	INLET PROTECTION BARRIER (STAGE II INLETS, GRAVEL BAGS; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$49.00	EA	\$ .00
117	ROCK FILTER DAMS (TYPE 3; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$11.00	LF	\$ .00
118	SWPPP INSPECTION AND MAINTENANCE (MIN BID \$6000/MO)	.000	\$6,000.00	MO	\$ .00
119	FURNISH AND INSTALL 36" DRILLED SHAFT TRAFFIC SIGNAL POLE FOUNDATION FOR 34' POLES, AND ANCHOR BOLTS (USE CLASS B CONCRETE FOR FOUNDATION)	.000	\$272.00	VF	\$ .00
120	JACKING AND BORING PIPE, 4"	.000	\$17.00	LF	\$ .00
121	FURNISH AND INSTALL SPAN WIRE MOUNTED R10-17 T "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN (30" X 30")	.000	\$205.00	EA	\$ .00
122	FURNISH AND INSTALL "LOUETTA RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 60")	.000	\$255.00	EA	\$ .00
123	FURNISH AND INSTALL "STABLEWOOD FARMS RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 114")	.000	\$432.00	EA	\$ .00
124	FURNISH AND INSTALL 1" SCHEDULE 40 PVC CONDUIT	.000	\$8.00	LF	\$ .00
125	FURNISH AND INSTALL 2" SCHEDULE 40 PVC CONDUIT	.000	\$10.00	LF	\$ .00
126	FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT	.000	\$12.00	LF	\$ .00
127	Furnish and Install 3" (BORE) Schedule 40 PVC Conduit	.000	\$16.00	LF	\$ .00
128	FURNISH AND INSTALL 4" SCHEDULE 40 PVC CONDUIT	.000	\$14.00	LF	\$ .00
129	Furnish and Install 4" (BORE) Schedule 40 PVC Conduit	.000	\$17.00	LF	\$ .00
130	FURNISH AND INSTALL 2" RIGID METAL CONDUIT	.000	\$8.00	LF	\$ .00
131	FURNISH AND INSTALL #4 AWG, XHHW (STRANDED) WIRE	.000	\$1.50	LF	\$ .00
132	FURNISH AND INSTALL #8 AWG, BARE COPPER (SOLID) WIRE WITH GROUNDING HARDWARE	.000	\$ .80	LF	\$ .00
133	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$ .90	LF	\$ .00
134	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 50-2) (STRANDED) CABLE	.000	\$ .80	LF	\$ .00
135	FURNISH AND INSTALL 4/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$1.25	LF	\$ .00
136	FURNISH AND INSTALL 7/C #14 STRANDED AWG	.000	\$1.75	LF	\$ .00

	(IMSA 20-1) (STRANDED) CABLE				
137	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE	.000	\$6,000.00	EA	\$ .00
138	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE WITH 15' LUMINAIRE ARM AND SHORTING CAP	.000	\$7,200.00	EA	\$ .00
139	FURNISH AND INSTALL POWER SERVICE POLE - TY D (120/240)70(NS)SS(E)SP(O)	.000	\$4,600.00	EA	\$ .00
140	INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
141	FURNISH AND INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
142	FURNISH AND INSTALL 400 WATT EQUIVALENT LED LUMINAIRE ON 15' ARMS WITH A PHOTOELECTRIC CELL	.000	\$500.00	EA	\$ .00
143	INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
144	INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
145	FURNISH AND INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
146	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RYGG)	.000	\$700.00	EA	\$ .00
147	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
148	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RRYG)	.000	\$700.00	EA	\$ .00
149	FURNISH AND INSTALL 48", LED SIGN LIGHT ASSEMBLY WITH "LEFT TURN SIGNAL" SIGN (48"X12")	.000	\$500.00	EA	\$ .00
150	INSTALL LED (AC INPUT VOLTAGE) SINGLE SECTION SYMBOLIC PEDESTRIAN (COUNTDOWN) SIGNAL ASSEMBLY, ALL HARDWARE	.000	\$450.00	EA	\$ .00
151	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON STATION (RIGHT ARROW, LEFT ARROW, DOUBLE ARROW)	.000	\$250.00	EA	\$ .00
152	INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
153	FURNISH AND INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
154	FURNISH AND INSTALL PULL BOX (TYPE D) WITH LID APRON	.000	\$1,000.00	EA	\$ .00
155	FURNISH AND INSTALL GROUND BOX WITH LID AND APRON	.000	\$1,600.00	EA	\$ .00
156	FURNISH AND INSTALL TRAFFIC SIGNAL SYSTEM	.000	\$16,000.00	LS	\$ .00
157	SAWCUT AND INSTALL VEHICLE LOOP DETECTORS, INCLUDING LOOP WIRE	.000	\$9.00	LF	\$ .00
158	FURNISH AND INSTALL GROUND MOUNT ITS CONTROLLER CABINET ASSEMBLY (HC)(HOUSING 3) WITH SIDE MOUNTED BATTERY BACKUP SYSTEM (BBS)	.000	\$34,000.00	EA	\$ .00
159	FURNISH AND INSTALL A REINFORCED CONCRETE FOUNDATION FOR ITS CONTROLLER CABINET (HOUSING 3)	.000	\$2,750.00	EA	\$ .00
160	FURNISH AND INSTALL AN ATC 2071 LCS CONTROLLER UNIT	.000	\$4,000.00	EA	\$ .00
161	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (5-10 FOOT DEPTH)	.000	\$2.35	LF	\$ .00
162	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN	.000	\$6.25	LF	\$ .00

	(10-20 FOOT DEPTH)				
163	PROPOSED AIR RELEASE SANITARY SEWER MANHOLES	.000	\$5,700.00	EA	\$ .00
164	REMOVE AND DISPOSE OF 10" SANITARY FORCEMAIN	.000	\$7.50	LF	\$ .00
165	REMOVE AND DISPOSE OF AIR RELIEF VALVE MANHOLE	.000	\$155.00	EA	\$ .00
166	10" SANITARY FORCEMAIN (OPEN CUT)	.000	\$36.00	LF	\$ .00
167	SPECIAL EXCAVATION (MIN. BID \$10/CY)	.000	\$10.00	CY	\$ .00
168	SEAL SLAB FOR STORM SEWER (6") (MIN. BID \$25/SY)	.000	\$25.00	SY	\$ .00
169	WELL POINTING SYSTEM( MIN BID - \$25/LF)	.000	\$25.00	LF	\$ .00
170	ORANGE CONSTRUCTION SAFETY FENCE, AS DIRECTED BY ENGINEER, MIN BID - \$2/LF	.000	\$2.00	LF	\$ .00
171	MOWING PROJECT SITE	.000	\$450.00	CYCLE	\$ .00
172	UNIFORMED PEACE OFFICER (MIN BID - \$45/HR)	.000	\$45.00	HR	\$ .00
173	PROJECT SIGN JOINT PROJECT ADDITION	.000	\$400.00	LS	\$ .00
174	GAS LINE REMOVAL - Pct 3	.000	\$2,552.00	LS	\$ .00
175	PCT 3 FLOWABLE FILL	.000	\$7,126.60		\$ .00
178	RETURN OF 66" RCP TO SUPPLIER	.000	\$1,415.87	LS	\$ .00
181	LOWERING OUTFALL AND MANHOLE	1.000	\$46,203.58	LS	\$46,203.58
<b>Total PCO Amount</b>					<b>\$46,203.58</b>

**Proposed Days for this PCO**                      3

## Potential Change Order Details

PCO - 15

Associated with RFI#

**Justification:** Pct 4 north headwall will be raised and lengthened to improve safety and drainage. Additional pedestrian railing will be added to lengthened sections. Existing concrete will be cut down 2', to expose rebar, then an additional 4'9" will be added back.

Item #	Description	Change Quantity	Unit Cost	Unit of Measure	Change Amount
001	PROJECT SIGN	.000	\$750.00	EA	\$ .00
002	CLEARING AND GRUBBING (ROADWAY)	.000	\$560,000.00	LS	\$ .00
003	CLEARING AND GRUBBING (DETENTION)	.000	\$50,000.00	LS	\$ .00
004	REMOVING CONCRETE (6" DOWELED CURB)	.000	\$1.00	LF	\$ .00
005	REMOVING CONCRETE PAVEMENT	.000	\$38.00	SY	\$ .00
006	REMOVE AND DISPOSE OF CONCRETE PAVEMENT, CURB, MEDIAN, SIDEWALK AND RAMP (ALL DEPTHS)	.000	\$22.00	SY	\$ .00
007	ROADWAY EXCAVATION, INCLUDING 3" STRIPPING	.000	\$16.00	CY	\$ .00
008	CHANNEL EXCAVATION UNDER BRIDGE	.000	\$13.00	CY	\$ .00
009	DETENTION BASIN EXCAVATION, INCLUDING 3" STRIPPING	.000	\$9.50	CY	\$ .00
010	BORROW	.000	\$11.50	CY	\$ .00
011	REMOVE AND DISPOSE OF EXISTING CONCRETE OR METAL PIPE (ALL TYPES AND SIZES)	.000	\$6.50	LF	\$ .00
012	REMOVING OLD STRUCTURES, MANHOLES (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
013	REMOVING OLD STRUCTURES, INLETS (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
014	REMOVING OLD STRUCTURES, BACKSLOPE INTERCEPTOR STRUCTURES (ALL DEPTHS)	.000	\$330.00	EA	\$ .00
015	REMOVING OLD STRUCTURES (HEADWALL)	.000	\$2,950.00	EA	\$ .00
016	REMOVE & RELOCATE OR DISPOSE OF TRAFFIC SIGNS, MAIL BOXES AND ROADWAY SIGNS	.000	\$55.00	EA	\$ .00
017	VIDEO RECORDING CONSTRUCTION	.000	\$500.00	LS	\$ .00
018	LIME (3%) (ROADWAY)	.000	\$185.00	TN	\$ .00
019	LIME (3%) (PEDESTRIAN TRAIL)	.000	\$185.00	TN	\$ .00
020	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 8" DEPTH (3% LIME AND 9% FLYASH) (ROADWAY)	.000	\$3.00	SY	\$ .00
021	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 6" DEPTH (3% LIME AND 9% FLYASH) (PEDESTRIAN TRAIL)	.000	\$8.00	SY	\$ .00
022	FLYASH (9%) (ROADWAY)	.000	\$88.00	TN	\$ .00
023	FLYASH (9%) (PEDESTRIAN TRAIL)	.000	\$88.00	TN	\$ .00
024	REINFORCED CONCRETE PAVEMENT (10" DEPTH)	.000	\$54.40	SY	\$ .00
025	REINFORCED CONCRETE PAVEMENT (PEDESTRIAN TRAIL)(5" DEPTH)	.000	\$64.00	SY	\$ .00
026	FLEX BEAM GUARD RAIL, W/MOW STRIP	.000	\$63.00	LF	\$ .00
027	FLEX BEAM TURN DOWN TERMINAL SECTION (25' LONG) W/ ANCHOR	.000	\$1,150.00	EA	\$ .00
028	6" CONCRETE CURB	.000	\$2.85	LF	\$ .00
029	6" CONCRETE CURB (DOWEL)	.000	\$5.75	LF	\$ .00
030	FURNISH AND INSTALL TYPE NINE (9) REINFORCED CONCRETE RAMP	.000	\$1,200.00	EA	\$ .00
031	FURNISH AND INSTALL TYPE (12) REINFORCED CONCRETE RAMP	.000	\$1,550.00	EA	\$ .00
032	FURNISH AND INSTALL 4 1/2" REINFORCED CONCRETE SIDEWALK	.000	\$57.00	SY	\$ .00

033	ESPLANADES, MEDIANS, AND DIRECTIONAL ISLANDS (6") CONCRETE	.000	\$90.00	SY	\$ .00
034	COLORING OF CONCRETE (BLACK) IN MEDIAN NOSES	.000	\$160.00	SY	\$ .00
035	CONCRETE CHANNEL LINING (5")	.000	\$60.00	SY	\$ .00
036	ALUMINUM SIGNS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$275.00	EA	\$ .00
037	OBJECT MARKERS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$170.00	EA	\$ .00
038	INSTL DEL ASSM(D-SY)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
039	INSTL DEL ASSM(D-SW)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
040	INSTL DEL ASSM(D-SY)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
041	INSTL DEL ASSM(D-SW)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
042	INSTL DEL ASSM(D-SY)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
043	INSTL DEL ASSM(D-SW)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
044	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 4" WHITE/BROKEN - FURNISH AND APPLIED	.000	\$1.10	LF	\$ .00
045	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 8" WHITE/SOLID - FURNISH AND APPLIED	.000	\$1.60	LF	\$ .00
046	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 12" WHITE/SOLID - FURNISH AND APPLIED	.000	\$3.80	LF	\$ .00
047	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 24" WHITE/SOLID - FURNISH AND APPLIED	.000	\$7.00	LF	\$ .00
048	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) SINGLE ARROW (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
049	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) WORD "ONLY" (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
050	PAINT CURB AT MEDIAN NOSE (YELLOW)	.000	\$ .80	LF	\$ .00
051	TRAFFIC PAINT (SOLVENT BASED) 4" SOLID YELLOW STRIPE	.000	\$ .25	LF	\$ .00
052	REFLECTORIZED PAVEMENT MARKERS TYPE II-C-R - FURNISH & INSTALL	.000	\$4.50	EA	\$ .00
053	NON-REFLECTORIZED CERAMIC TRAFFIC BUTTONS (WHITE) - FURNISH AND INSTALL	.000	\$4.00	EA	\$ .00
054	24" CONCRETE COLLAR	.000	\$440.00	CY	\$ .00
055	TRENCH SAFETY SYSTEMS, 5-10 FOOT DEPTH	.000	\$1.50	LF	\$ .00
056	TRENCH SAFETY SYSTEMS, 10-15 FOOT DEPTH	.000	\$2.00	LF	\$ .00
057	TIMBER BENT FOR 66-INCH CGMP OUTFALL	.000	\$1,800.00	EA	\$ .00
058	TIMBER BENT FOR 54-INCH CGMP OUTFALL	.000	\$1,700.00	EA	\$ .00
059	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (24")	.000	\$78.00	LF	\$ .00
060	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (36")	.000	\$130.00	LF	\$ .00
061	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (42")	.000	\$161.00	LF	\$ .00
062	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (48")	.000	\$179.00	LF	\$ .00
063	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (66")	.000	\$327.00	LF	\$ .00
064	CONNECT 24" RCP TO EXIST INLET	.000	\$502.00	EA	\$ .00
065	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET WITH INLET TOP	.000	\$3,000.00	EA	\$ .00
066	PRECAST STANDARD MANHOLE WITH DEPTH	.000	\$4,650.00	EA	\$ .00

	GREATER THAN 5 FEET AND LESS THAN 10 FEET				
067	PRECAST CONCRETE EXTRA DEPTH JUNCTION BOX WITH MANHOLE WITH DEPTH GREATER THAN 10 FEET	.000	\$7,650.00	EA	\$ .00
068	PRECAST TYPE "BB" INLET	.000	\$2,650.00	EA	\$ .00
069	PRECAST TYPE "C" INLET	.000	\$4,000.00	EA	\$ .00
070	PRECAST TYPE "A" MODIFIED INLET	.000	\$2,500.00	EA	\$ .00
071	ADJUSTING MANHOLES	.000	\$465.00	EA	\$ .00
072	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X10'), RUBBER GASKET	.000	\$850.00	LF	\$ .00
073	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X8'), RUBBER GASKET	.000	\$779.00	LF	\$ .00
074	WINGWALL (PW-1) (HW = 13 FT)	.000	\$230,000.00	EA	\$ .00
075	WINGWALL (PW-1) (HW = 15 FT)	.000	\$208,000.00	EA	\$ .00
076	WINGWALL (PW-1) (HW = 11.5 FT)	.000	\$73,000.00	EA	\$ .00
077	WINGWALL (FW-0) (HW = 10 FT)	.000	\$36,000.00	EA	\$ .00
078	CCTV INSPECTION OF THE NEW STORM SEWER TRUNKLINE (ALL SIZES)	.000	\$6.00	LF	\$ .00
079	INSTALLATION OF 24" THICK CLAY LINER ON SIDE SLOPES OF CHANNEL AND BASIN PER GEOTECH REPORT	.000	\$24.50	CY	\$ .00
080	BACKSLOPE DRAINAGE SYSTEMS SWALES	.000	\$5.75	LF	\$ .00
081	OFFSITE DITCH INTERCEPTOR STRUCTURE (INCLUDING CEMENT STABILIZED SAND)	.000	\$1,000.00	EA	\$ .00
082	REINFORCED CONCRETE PILOT CHANNEL (6" THICK) (INCLUDING TOE WALLS AND CONTROL STRUCTURE)	.000	\$59.00	SY	\$ .00
083	RIPRAP GRADATION NO. 1 AND GRANULAR FILL	.000	\$76.00	SY	\$ .00
084	RIPRAP GRADATION NO. 2 AND GRANULAR FILL	.000	\$90.00	SY	\$ .00
085	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (24")	.000	\$90.00	LF	\$ .00
086	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (66")	.000	\$200.00	LF	\$ .00
087	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (54")	.000	\$174.00	LF	\$ .00
088	DRILLED SHAFT FOUNDATIONS (18" DIA)	.000	\$84.00	LF	\$ .00
089	DRILLED SHAFT FOUNDATIONS (36" DIA)	.000	\$204.00	LF	\$ .00
090	DRILLED SHAFT FOUNDATIONS (42" DIA)	.000	\$271.00	LF	\$ .00
091	CLASS "B1" CONCRETE, ABUTMENT	.000	\$756.00	CY	\$ .00
092	CLASS "B1" CONCRETE, COMBINATION PARAPET	.000	\$1,425.00	CY	\$ .00
093	CLASS "B1" CONCRETE, CAP	.000	\$755.00	CY	\$ .00
094	CLASS "B1" CONCRETE, COLUMN	.000	\$804.00	CY	\$ .00
095	CLASS "A1" CONCRETE, APPROACH SLAB	.000	\$174.00	SY	\$ .00
096	CLASS "A1" CONCRETE, BRIDGE CURB	.000	\$149.00	SY	\$ .00
097	CLASS "A1" CONCRETE, BRIDGE SIDEWALK	.000	\$107.00	SY	\$ .00
098	CLASS "A1" CONCRETE, BRIDGE DECK	.000	\$146.00	SY	\$ .00
099	PRESTR CONC TXGIRDERS (TX34)	.000	\$143.50	LF	\$ .00
100	PRESTR CONC TXGIRDERS (TX54)	.000	\$157.50	LF	\$ .00
101	CEMENT STABILIZED SAND	.000	\$80.00	CY	\$ .00
102	JOINT COVER PLATES	.000	\$15.50	LB	\$ .00
103	BRIDGE PLAQUE	.000	\$2,200.00	EA	\$ .00
104	TRAFFIC RAIL	.000	\$76.00	LF	\$ .00
105	COMBINATION RAIL	.000	\$122.00	LF	\$ .00
106	PEDESTRIAN RAIL	20.000	\$83.00	LF	\$1,660.00
107	SEALED EXPANSION JOINT (TYPE M)	.000	\$136.00	LF	\$ .00
108	TRAFFIC CONTROL - FURNISH, INSTALL & REMOVE	.000	\$380.00	MO	\$ .00
109	SODDING FOR EROSION CONTROL AND FINAL STABILIZATION	.000	\$3.40	SY	\$ .00
110	HYDRO-MULCH SEEDING (FOR EROSION CONTROL AND FINAL STABILIZATION)	.000	\$1,300.00	AC	\$ .00



111	TPDES GENERAL PERMIT NO. TXR 15000, NOTICE OF INTENT (NOI) APPLICATION FEES (CONTRACOR'S NOI FEE & HARRIS COUNTY'S NOI FEE, EACH FEE SHALL BE SET PRICE OF \$325.00)	.000	\$325.00	EA	\$ .00
112	REINFORCED FILTER FABRIC BARRIER (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1.80	LF	\$ .00
113	INLET PROTECTION BARRIER (STAGE I INLETS, WITH REINFORCED FILTER FABRIC FENCE; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$110.00	EA	\$ .00
114	STABILIZED CONSTRUCTION ACCESS (TYPE I - ROCK; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$20.00	SY	\$ .00
115	CONCRETE TRUCK WASHOUT STRUCTURES (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1,600.00	LS	\$ .00
116	INLET PROTECTION BARRIER (STAGE II INLETS, GRAVEL BAGS; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$49.00	EA	\$ .00
117	ROCK FILTER DAMS (TYPE 3; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$11.00	LF	\$ .00
118	SWPPP INSPECTION AND MAINTENANCE (MIN BID \$6000/MO)	.000	\$6,000.00	MO	\$ .00
119	FURNISH AND INSTALL 36" DRILLED SHAFT TRAFFIC SIGNAL POLE FOUNDATION FOR 34' POLES, AND ANCHOR BOLTS (USE CLASS B CONCRETE FOR FOUNDATION)	.000	\$272.00	VF	\$ .00
120	JACKING AND BORING PIPE, 4"	.000	\$17.00	LF	\$ .00
121	FURNISH AND INSTALL SPAN WIRE MOUNTED R10-17 T "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN (30" X 30")	.000	\$205.00	EA	\$ .00
122	FURNISH AND INSTALL "LOUETTA RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 60")	.000	\$255.00	EA	\$ .00
123	FURNISH AND INSTALL "STABLEWOOD FARMS RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 114")	.000	\$432.00	EA	\$ .00
124	FURNISH AND INSTALL 1" SCHEDULE 40 PVC CONDUIT	.000	\$8.00	LF	\$ .00
125	FURNISH AND INSTALL 2" SCHEDULE 40 PVC CONDUIT	.000	\$10.00	LF	\$ .00
126	FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT	.000	\$12.00	LF	\$ .00
127	Furnish and Install 3" (BORE) Schedule 40 PVC Conduit	.000	\$16.00	LF	\$ .00
128	FURNISH AND INSTALL 4" SCHEDULE 40 PVC CONDUIT	.000	\$14.00	LF	\$ .00
129	Furnish and Install 4" (BORE) Schedule 40 PVC Conduit	.000	\$17.00	LF	\$ .00
130	FURNISH AND INSTALL 2" RIGID METAL CONDUIT	.000	\$8.00	LF	\$ .00
131	FURNISH AND INSTALL #4 AWG, XHHW (STRANDED) WIRE	.000	\$1.50	LF	\$ .00
132	FURNISH AND INSTALL #8 AWG, BARE COPPER (SOLID) WIRE WITH GROUNDING HARDWARE	.000	\$ .80	LF	\$ .00
133	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$ .90	LF	\$ .00
134	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 50-2) (STRANDED) CABLE	.000	\$ .80	LF	\$ .00
135	FURNISH AND INSTALL 4/C #14 STRANDED AWG	.000	\$1.25	LF	\$ .00

	(IMSA 20-1) (STRANDED) CABLE				
136	FURNISH AND INSTALL 7/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$1.75	LF	\$ .00
137	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE	.000	\$6,000.00	EA	\$ .00
138	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE WITH 15' LUMINAIRE ARM AND SHORTING CAP	.000	\$7,200.00	EA	\$ .00
139	FURNISH AND INSTALL POWER SERVICE POLE - TY D (120/240)70(NS)SS(E)SP(O)	.000	\$4,600.00	EA	\$ .00
140	INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
141	FURNISH AND INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
142	FURNISH AND INSTALL 400 WATT EQUIVALENT LED LUMINAIRE ON 15' ARMS WITH A PHOTOELECTRIC CELL	.000	\$500.00	EA	\$ .00
143	INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
144	INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
145	FURNISH AND INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
146	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RYGG)	.000	\$700.00	EA	\$ .00
147	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
148	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RRYG)	.000	\$700.00	EA	\$ .00
149	FURNISH AND INSTALL 48", LED SIGN LIGHT ASSEMBLY WITH "LEFT TURN SIGNAL" SIGN (48"X12")	.000	\$500.00	EA	\$ .00
150	INSTALL LED (AC INPUT VOLTAGE) SINGLE SECTION SYMBOLIC PEDESTRIAN (COUNTDOWN) SIGNAL ASSEMBLY, ALL HARDWARE	.000	\$450.00	EA	\$ .00
151	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON STATION (RIGHT ARROW, LEFT ARROW, DOUBLE ARROW)	.000	\$250.00	EA	\$ .00
152	INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
153	FURNISH AND INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
154	FURNISH AND INSTALL PULL BOX (TYPE D) WITH LID APRON	.000	\$1,000.00	EA	\$ .00
155	FURNISH AND INSTALL GROUND BOX WITH LID AND APRON	.000	\$1,600.00	EA	\$ .00
156	FURNISH AND INSTALL TRAFFIC SIGNAL SYSTEM	.000	\$16,000.00	LS	\$ .00
157	SAWCUT AND INSTALL VEHICLE LOOP DETECTORS, INCLUDING LOOP WIRE	.000	\$9.00	LF	\$ .00
158	FURNISH AND INSTALL GROUND MOUNT ITS CONTROLLER CABINET ASSEMBLY (HC)(HOUSING 3) WITH SIDE MOUNTED BATTERY BACKUP SYSTEM (BBS)	.000	\$34,000.00	EA	\$ .00
159	FURNISH AND INSTALL A REINFORCED CONCRETE FOUNDATION FOR ITS CONTROLLER CABINET (HOUSING 3)	.000	\$2,750.00	EA	\$ .00
160	FURNISH AND INSTALL AN ATC 2071 LCS CONTROLLER UNIT	.000	\$4,000.00	EA	\$ .00
161	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (5-10 FOOT DEPTH)	.000	\$2.35	LF	\$ .00

162	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (10-20 FOOT DEPTH)	.000	\$6.25	LF	\$ .00
163	PROPOSED AIR RELEASE SANITARY SEWER MANHOLES	.000	\$5,700.00	EA	\$ .00
164	REMOVE AND DISPOSE OF 10" SANITARY FORCEMAIN	.000	\$7.50	LF	\$ .00
165	REMOVE AND DISPOSE OF AIR RELIEF VALVE MANHOLE	.000	\$155.00	EA	\$ .00
166	10" SANITARY FORCEMAIN (OPEN CUT)	.000	\$36.00	LF	\$ .00
167	SPECIAL EXCAVATION (MIN. BID \$10/CY)	.000	\$10.00	CY	\$ .00
168	SEAL SLAB FOR STORM SEWER (6") (MIN. BID \$25/SY)	.000	\$25.00	SY	\$ .00
169	WELL POINTING SYSTEM( MIN BID - \$25/LF)	.000	\$25.00	LF	\$ .00
170	ORANGE CONSTRUCTION SAFETY FENCE, AS DIRECTED BY ENGINEER, MIN BID - \$2/LF	.000	\$2.00	LF	\$ .00
171	MOWING PROJECT SITE	.000	\$450.00	CYCLE	\$ .00
172	UNIFORMED PEACE OFFICER (MIN BID - \$45/HR)	.000	\$45.00	HR	\$ .00
173	PROJECT SIGN JOINT PROJECT ADDITION	.000	\$400.00	LS	\$ .00
174	GAS LINE REMOVAL - Pct 3	.000	\$2,552.00	LS	\$ .00
175	PCT 3 FLOWABLE FILL	.000	\$7,126.60		\$ .00
178	RETURN OF 66" RCP TO SUPPLIER	.000	\$1,415.87	LS	\$ .00
180	NORTH HEADWALL CONCRETE WORK	1.000	\$57,543.85	LS	\$57,543.85
<b>Total PCO Amount</b>					<b>\$59,203.85</b>

**Proposed Days for this PCO**

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## Potential Change Order Details

PCO - 13

Associated with RFI#

**Justification:** Pct 4 Overruns Include:

Remove Concrete 6" Dowelled Curb - Item 4 - 10 LF

Remove Concrete Payment - Item 5 - 36.11 SY

Lime 3% - Item 18 - 28.45 TN

Flyash 9% - Item 22 - 56.06 TN

Trench Safety - Item 55 - 147 LF

Trench Safety 10-15 - Item 56 - 64 LF

24" RCP - Item 59 - 3.5 LF

Type A Inlet - Item 70 - 4 EA

Cement Stabilized Sand - Item 101 - 10.11 TN

Inlet Protection Stage 1 Inlet - Item 113 - 4 EA

Furnish and Install 2/C #14 Stranded AWG - Item 133 - 9524 LF

Furnish and Install Pull Box Type D - Item 154 - 1 EA

Item #	Description	Change Quantity	Unit Cost	Unit of Measure	Change Amount
001	PROJECT SIGN	.000	\$750.00	EA	\$ .00
002	CLEARING AND GRUBBING (ROADWAY)	.000	\$560,000.00	LS	\$ .00
003	CLEARING AND GRUBBING (DETENTION)	.000	\$50,000.00	LS	\$ .00
004	REMOVING CONCRETE (6" DOWELED CURB)	10.000	\$1.00	LF	\$10.00
005	REMOVING CONCRETE PAVEMENT	36.110	\$38.00	SY	\$1,372.18
006	REMOVE AND DISPOSE OF CONCRETE PAVEMENT, CURB, MEDIAN, SIDEWALK AND RAMP (ALL DEPTHS)	.000	\$22.00	SY	\$ .00
007	ROADWAY EXCAVATION, INCLUDING 3" STRIPPING	.000	\$16.00	CY	\$ .00
008	CHANNEL EXCAVATION UNDER BRIDGE	.000	\$13.00	CY	\$ .00
009	DETENTION BASIN EXCAVATION, INCLUDING 3" STRIPPING	.000	\$9.50	CY	\$ .00
010	BORROW	.000	\$11.50	CY	\$ .00
011	REMOVE AND DISPOSE OF EXISTING CONCRETE OR METAL PIPE (ALL TYPES AND SIZES)	.000	\$6.50	LF	\$ .00
012	REMOVING OLD STRUCTURES, MANHOLES (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
013	REMOVING OLD STRUCTURES, INLETS (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
014	REMOVING OLD STRUCTURES, BACKSLOPE INTERCEPTOR STRUCTURES (ALL DEPTHS)	.000	\$330.00	EA	\$ .00
015	REMOVING OLD STRUCTURES (HEADWALL)	.000	\$2,950.00	EA	\$ .00
016	REMOVE & RELOCATE OR DISPOSE OF TRAFFIC SIGNS, MAIL BOXES AND ROADWAY SIGNS	.000	\$55.00	EA	\$ .00
017	VIDEO RECORDING CONSTRUCTION	.000	\$500.00	LS	\$ .00
018	LIME (3%) (ROADWAY)	28.450	\$185.00	TN	\$5,263.25
019	LIME (3%) (PEDESTRIAN TRAIL)	.000	\$185.00	TN	\$ .00
020	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 8" DEPTH (3% LIME AND 9% FLYASH) (ROADWAY)	.000	\$3.00	SY	\$ .00
021	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 6" DEPTH (3% LIME AND 9% FLYASH) (PEDESTRIAN TRAIL)	.000	\$8.00	SY	\$ .00
022	FLYASH (9%) (ROADWAY)	56.060	\$88.00	TN	\$4,933.28
023	FLYASH (9%) (PEDESTRIAN TRAIL)	.000	\$88.00	TN	\$ .00
024	REINFORCED CONCRETE PAVEMENT (10" DEPTH)	.000	\$54.40	SY	\$ .00
025	REINFORCED CONCRETE PAVEMENT (PEDESTRIAN	.000	\$64.00	SY	\$ .00

	TRAIL)(5" DEPTH)				
026	FLEX BEAM GUARD RAIL, W/MOW STRIP	.000	\$63.00	LF	\$ .00
027	FLEX BEAM TURN DOWN TERMINAL SECTION (25' LONG) W/ ANCHOR	.000	\$1,150.00	EA	\$ .00
028	6" CONCRETE CURB	.000	\$2.85	LF	\$ .00
029	6" CONCRETE CURB (DOWEL)	.000	\$5.75	LF	\$ .00
030	FURNISH AND INSTALL TYPE NINE (9) REINFORCED CONCRETE RAMP	.000	\$1,200.00	EA	\$ .00
031	FURNISH AND INSTALL TYPE (12) REINFORCED CONCRETE RAMP	.000	\$1,550.00	EA	\$ .00
032	FURNISH AND INSTALL 4 1/2" REINFORCED CONCRETE SIDEWALK	.000	\$57.00	SY	\$ .00
033	ESPLANADES, MEDIANS, AND DIRECTIONAL ISLANDS (6") CONCRETE	.000	\$90.00	SY	\$ .00
034	COLORING OF CONCRETE (BLACK) IN MEDIAN NOSES	.000	\$160.00	SY	\$ .00
035	CONCRETE CHANNEL LINING (5")	.000	\$60.00	SY	\$ .00
036	ALUMINUM SIGNS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$275.00	EA	\$ .00
037	OBJECT MARKERS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$170.00	EA	\$ .00
038	INSTL DEL ASSM(D-SY)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
039	INSTL DEL ASSM(D-SW)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
040	INSTL DEL ASSM(D-SY)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
041	INSTL DEL ASSM(D-SW)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
042	INSTL DEL ASSM(D-SY)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
043	INSTL DEL ASSM(D-SW)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
044	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 4" WHITE/BROKEN - FURNISH AND APPLIED	.000	\$1.10	LF	\$ .00
045	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 8" WHITE/SOLID - FURNISH AND APPLIED	.000	\$1.60	LF	\$ .00
046	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 12" WHITE/SOLID - FURNISH AND APPLIED	.000	\$3.80	LF	\$ .00
047	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 24" WHITE/SOLID - FURNISH AND APPLIED	.000	\$7.00	LF	\$ .00
048	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) SINGLE ARROW (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
049	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) WORD "ONLY" (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
050	PAINT CURB AT MEDIAN NOSE (YELLOW)	.000	\$ .80	LF	\$ .00
051	TRAFFIC PAINT (SOLVENT BASED) 4" SOLID YELLOW STRIPE	.000	\$ .25	LF	\$ .00
052	REFLECTORIZED PAVEMENT MARKERS TYPE II-C-R - FURNISH & INSTALL	.000	\$4.50	EA	\$ .00
053	NON-REFLECTORIZED CERAMIC TRAFFIC BUTTONS (WHITE) - FURNISH AND INSTALL	.000	\$4.00	EA	\$ .00
054	24" CONCRETE COLLAR	.000	\$440.00	CY	\$ .00
055	TRENCH SAFETY SYSTEMS, 5-10 FOOT DEPTH	147.000	\$1.50	LF	\$220.50
056	TRENCH SAFETY SYSTEMS, 10-15 FOOT DEPTH	64.000	\$2.00	LF	\$128.00
057	TIMBER BENT FOR 66-INCH CGMP OUTFALL	.000	\$1,800.00	EA	\$ .00
058	TIMBER BENT FOR 54-INCH CGMP OUTFALL	.000	\$1,700.00	EA	\$ .00
059	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (24")	3.500	\$78.00	LF	\$273.00
060	REINFORCED CONCRETE PIPE, C76, CLASS III,	.000	\$130.00	LF	\$ .00

	RUBBER GASKET (36")				
061	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (42")	.000	\$161.00	LF	\$ .00
062	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (48")	.000	\$179.00	LF	\$ .00
063	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (66")	.000	\$327.00	LF	\$ .00
064	CONNECT 24" RCP TO EXIST INLET	.000	\$502.00	EA	\$ .00
065	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET WITH INLET TOP	.000	\$3,000.00	EA	\$ .00
066	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET	.000	\$4,650.00	EA	\$ .00
067	PRECAST CONCRETE EXTRA DEPTH JUNCTION BOX WITH MANHOLE WITH DEPTH GREATER THAN 10 FEET	.000	\$7,650.00	EA	\$ .00
068	PRECAST TYPE "BB" INLET	.000	\$2,650.00	EA	\$ .00
069	PRECAST TYPE "C" INLET	.000	\$4,000.00	EA	\$ .00
070	PRECAST TYPE "A" MODIFIED INLET	2.000	\$2,500.00	EA	\$5,000.00
071	ADJUSTING MANHOLES	.000	\$465.00	EA	\$ .00
072	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X10'), RUBBER GASKET	.000	\$850.00	LF	\$ .00
073	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X8'), RUBBER GASKET	.000	\$779.00	LF	\$ .00
074	WINGWALL (PW-1) (HW = 13 FT)	.000	\$230,000.00	EA	\$ .00
075	WINGWALL (PW-1) (HW = 15 FT)	.000	\$208,000.00	EA	\$ .00
076	WINGWALL (PW-1) (HW = 11.5 FT)	.000	\$73,000.00	EA	\$ .00
077	WINGWALL (FW-0) (HW = 10 FT)	.000	\$36,000.00	EA	\$ .00
078	CCTV INSPECTION OF THE NEW STORM SEWER TRUNKLINE (ALL SIZES)	.000	\$6.00	LF	\$ .00
079	INSTALLATION OF 24" THICK CLAY LINER ON SIDE SLOPES OF CHANNEL AND BASIN PER GEOTECH REPORT	.000	\$24.50	CY	\$ .00
080	BACKSLOPE DRAINAGE SYSTEMS SWALES	.000	\$5.75	LF	\$ .00
081	OFFSITE DITCH INTERCEPTOR STRUCTURE (INCLUDING CEMENT STABILIZED SAND)	.000	\$1,000.00	EA	\$ .00
082	REINFORCED CONCRETE PILOT CHANNEL (6" THICK) (INCLUDING TOE WALLS AND CONTROL STRUCTURE)	.000	\$59.00	SY	\$ .00
083	RIPRAP GRADATION NO. 1 AND GRANULAR FILL	.000	\$76.00	SY	\$ .00
084	RIPRAP GRADATION NO. 2 AND GRANULAR FILL	.000	\$90.00	SY	\$ .00
085	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (24")	.000	\$90.00	LF	\$ .00
086	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (66")	.000	\$200.00	LF	\$ .00
087	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (54")	.000	\$174.00	LF	\$ .00
088	DRILLED SHAFT FOUNDATIONS (18" DIA)	.000	\$84.00	LF	\$ .00
089	DRILLED SHAFT FOUNDATIONS (36" DIA)	.000	\$204.00	LF	\$ .00
090	DRILLED SHAFT FOUNDATIONS (42" DIA)	.000	\$271.00	LF	\$ .00
091	CLASS "B1" CONCRETE, ABUTMENT	.000	\$756.00	CY	\$ .00
092	CLASS "B1" CONCRETE, COMBINATION PARAPET	.000	\$1,425.00	CY	\$ .00
093	CLASS "B1" CONCRETE, CAP	.000	\$755.00	CY	\$ .00
094	CLASS "B1" CONCRETE, COLUMN	.000	\$804.00	CY	\$ .00
095	CLASS "A1" CONCRETE, APPROACH SLAB	.000	\$174.00	SY	\$ .00
096	CLASS "A1" CONCRETE, BRIDGE CURB	.000	\$149.00	SY	\$ .00
097	CLASS "A1" CONCRETE, BRIDGE SIDEWALK	.000	\$107.00	SY	\$ .00
098	CLASS "A1" CONCRETE, BRIDGE DECK	.000	\$146.00	SY	\$ .00
099	PRESTR CONC TXGIRDERS (TX34)	.000	\$143.50	LF	\$ .00
100	PRESTR CONC TXGIRDERS (TX54)	.000	\$157.50	LF	\$ .00

101	CEMENT STABILIZED SAND	10.110	\$80.00	CY	\$808.80
102	JOINT COVER PLATES	.000	\$15.50	LB	\$ .00
103	BRIDGE PLAQUE	.000	\$2,200.00	EA	\$ .00
104	TRAFFIC RAIL	.000	\$76.00	LF	\$ .00
105	COMBINATION RAIL	.000	\$122.00	LF	\$ .00
106	PEDESTRIAN RAIL	.000	\$83.00	LF	\$ .00
107	SEALED EXPANSION JOINT (TYPE M)	.000	\$136.00	LF	\$ .00
108	TRAFFIC CONTROL - FURNISH, INSTALL & REMOVE	.000	\$380.00	MO	\$ .00
109	SODDING FOR EROSION CONTROL AND FINAL STABILIZATION	.000	\$3.40	SY	\$ .00
110	HYDRO-MULCH SEEDING (FOR EROSION CONTROL AND FINAL STABILIZATION)	.000	\$1,300.00	AC	\$ .00
111	TPDES GENERAL PERMIT NO. TXR 15000, NOTICE OF INTENT (NOI) APPLICATION FEES (CONTRACOR'S NOI FEE & HARRIS COUNTY'S NOI FEE, EACH FEE SHALL BE SET PRICE OF \$325.00)	.000	\$325.00	EA	\$ .00
112	REINFORCED FILTER FABRIC BARRIER (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1.80	LF	\$ .00
113	INLET PROTECTION BARRIER (STAGE I INLETS, WITH REINFORCED FILTER FABRIC FENCE; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	4.000	\$110.00	EA	\$440.00
114	STABILIZED CONSTRUCTION ACCESS (TYPE I - ROCK; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$20.00	SY	\$ .00
115	CONCRETE TRUCK WASHOUT STRUCTURES (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1,600.00	LS	\$ .00
116	INLET PROTECTION BARRIER (STAGE II INLETS, GRAVEL BAGS; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$49.00	EA	\$ .00
117	ROCK FILTER DAMS (TYPE 3; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$11.00	LF	\$ .00
118	SWPPP INSPECTION AND MAINTENANCE (MIN BID \$6000/MO)	.000	\$6,000.00	MO	\$ .00
119	FURNISH AND INSTALL 36" DRILLED SHAFT TRAFFIC SIGNAL POLE FOUNDATION FOR 34' POLES, AND ANCHOR BOLTS (USE CLASS B CONCRETE FOR FOUNDATION)	.000	\$272.00	VF	\$ .00
120	JACKING AND BORING PIPE, 4"	.000	\$17.00	LF	\$ .00
121	FURNISH AND INSTALL SPAN WIRE MOUNTED R10-17 T "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN (30" X 30")	.000	\$205.00	EA	\$ .00
122	FURNISH AND INSTALL "LOUETTA RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 60")	.000	\$255.00	EA	\$ .00
123	FURNISH AND INSTALL "STABLEWOOD FARMS RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 114")	.000	\$432.00	EA	\$ .00
124	FURNISH AND INSTALL 1" SCHEDULE 40 PVC CONDUIT	.000	\$8.00	LF	\$ .00
125	FURNISH AND INSTALL 2" SCHEDULE 40 PVC CONDUIT	.000	\$10.00	LF	\$ .00
126	FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT	.000	\$12.00	LF	\$ .00
127	Furnish and Install 3" (BORE) Schedule 40 PVC Conduit	.000	\$16.00	LF	\$ .00
128	FURNISH AND INSTALL 4" SCHEDULE 40 PVC	.000	\$14.00	LF	\$ .00

	CONDUIT				
129	Furnish and Install 4" (BORE) Schedule 40 PVC Conduit	.000	\$17.00	LF	\$ .00
130	FURNISH AND INSTALL 2" RIGID METAL CONDUIT	.000	\$8.00	LF	\$ .00
131	FURNISH AND INSTALL #4 AWG, XHHW (STRANDED) WIRE	.000	\$1.50	LF	\$ .00
132	FURNISH AND INSTALL #8 AWG, BARE COPPER (SOLID) WIRE WITH GROUNDING HARDWARE	.000	\$ .80	LF	\$ .00
133	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	9,524.000	\$ .90	LF	\$8,571.60
134	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 50-2) (STRANDED) CABLE	.000	\$ .80	LF	\$ .00
135	FURNISH AND INSTALL 4/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$1.25	LF	\$ .00
136	FURNISH AND INSTALL 7/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$1.75	LF	\$ .00
137	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE	.000	\$6,000.00	EA	\$ .00
138	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE WITH 15' LUMINAIRE ARM AND SHORTING CAP	.000	\$7,200.00	EA	\$ .00
139	FURNISH AND INSTALL POWER SERVICE POLE - TY D (120/240)70(NS)SS(E)SP(O)	.000	\$4,600.00	EA	\$ .00
140	INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
141	FURNISH AND INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
142	FURNISH AND INSTALL 400 WATT EQUIVALENT LED LUMINAIRE ON 15' ARMS WITH A PHOTOELECTRIC CELL	.000	\$500.00	EA	\$ .00
143	INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
144	INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
145	FURNISH AND INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
146	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RYGG)	.000	\$700.00	EA	\$ .00
147	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
148	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RRYG)	.000	\$700.00	EA	\$ .00
149	FURNISH AND INSTALL 48", LED SIGN LIGHT ASSEMBLY WITH "LEFT TURN SIGNAL" SIGN (48"X12")	.000	\$500.00	EA	\$ .00
150	INSTALL LED (AC INPUT VOLTAGE) SINGLE SECTION SYMBOLIC PEDESTRIAN (COUNTDOWN) SIGNAL ASSEMBLY, ALL HARDWARE	.000	\$450.00	EA	\$ .00
151	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON STATION (RIGHT ARROW, LEFT ARROW, DOUBLE ARROW)	.000	\$250.00	EA	\$ .00
152	INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
153	FURNISH AND INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
154	FURNISH AND INSTALL PULL BOX (TYPE D) WITH LID APRON	1.000	\$1,000.00	EA	\$1,000.00
155	FURNISH AND INSTALL GROUND BOX WITH LID AND APRON	.000	\$1,600.00	EA	\$ .00
156	FURNISH AND INSTALL TRAFFIC SIGNAL SYSTEM	.000	\$16,000.00	LS	\$ .00
157	SAWCUT AND INSTALL VEHICLE LOOP DETECTORS,	.000	\$9.00	LF	\$ .00



	INCLUDING LOOP WIRE				
158	FURNISH AND INSTALL GROUND MOUNT ITS CONTROLLER CABINET ASSEMBLY (HC)(HOUSING 3) WITH SIDE MOUNTED BATTERY BACKUP SYSTEM (BBS)	.000	\$34,000.00	EA	\$ .00
159	FURNISH AND INSTALL A REINFORCED CONCRETE FOUNDATION FOR ITS CONTROLLER CABINET (HOUSING 3)	.000	\$2,750.00	EA	\$ .00
160	FURNISH AND INSTALL AN ATC 2071 LCS CONTROLLER UNIT	.000	\$4,000.00	EA	\$ .00
161	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (5-10 FOOT DEPTH)	.000	\$2.35	LF	\$ .00
162	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (10-20 FOOT DEPTH)	.000	\$6.25	LF	\$ .00
163	PROPOSED AIR RELEASE SANITARY SEWER MANHOLES	.000	\$5,700.00	EA	\$ .00
164	REMOVE AND DISPOSE OF 10" SANITARY FORCEMAIN	.000	\$7.50	LF	\$ .00
165	REMOVE AND DISPOSE OF AIR RELIEF VALVE MANHOLE	.000	\$155.00	EA	\$ .00
166	10" SANITARY FORCEMAIN (OPEN CUT)	.000	\$36.00	LF	\$ .00
167	SPECIAL EXCAVATION (MIN. BID \$10/CY)	.000	\$10.00	CY	\$ .00
168	SEAL SLAB FOR STORM SEWER (6") (MIN. BID \$25/SY)	.000	\$25.00	SY	\$ .00
169	WELL POINTING SYSTEM( MIN BID - \$25/LF)	.000	\$25.00	LF	\$ .00
170	ORANGE CONSTRUCTION SAFETY FENCE, AS DIRECTED BY ENGINEER, MIN BID - \$2/LF	.000	\$2.00	LF	\$ .00
171	MOWING PROJECT SITE	.000	\$450.00	CYCLE	\$ .00
172	UNIFORMED PEACE OFFICER (MIN BID - \$45/HR)	.000	\$45.00	HR	\$ .00
<b>Total PCO Amount</b>					<b>\$28,020.61</b>

**Proposed Days for this PCO**

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## Potential Change Order Details

PCO - 14

**Justification:** PCT 4- The Telge side has an estimated amount of 4,244 LF of Item 134 stranded signal cable, while the plans call for 650 LF. Add 3,594 LF @ .80\$/LF = \$2,875.2

Item #	Description	Change Quantity	Unit Cost	Unit of Measure	Change Amount
001	PROJECT SIGN	.000	\$750.00	EA	\$ .00
002	CLEARING AND GRUBBING (ROADWAY)	.000	\$560,000.00	LS	\$ .00
003	CLEARING AND GRUBBING (DETENTION)	.000	\$50,000.00	LS	\$ .00
004	REMOVING CONCRETE (6" DOWELED CURB)	.000	\$1.00	LF	\$ .00
005	REMOVING CONCRETE PAVEMENT	.000	\$38.00	SY	\$ .00
006	REMOVE AND DISPOSE OF CONCRETE PAVEMENT, CURB, MEDIAN, SIDEWALK AND RAMP (ALL DEPTHS)	.000	\$22.00	SY	\$ .00
007	ROADWAY EXCAVATION, INCLUDING 3" STRIPPING	.000	\$16.00	CY	\$ .00
008	CHANNEL EXCAVATION UNDER BRIDGE	.000	\$13.00	CY	\$ .00
009	DETENTION BASIN EXCAVATION, INCLUDING 3" STRIPPING	.000	\$9.50	CY	\$ .00
010	BORROW	.000	\$11.50	CY	\$ .00
011	REMOVE AND DISPOSE OF EXISTING CONCRETE OR METAL PIPE (ALL TYPES AND SIZES)	.000	\$6.50	LF	\$ .00
012	REMOVING OLD STRUCTURES, MANHOLES (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
013	REMOVING OLD STRUCTURES, INLETS (ALL DEPTHS)	.000	\$475.00	EA	\$ .00
014	REMOVING OLD STRUCTURES, BACKSLOPE INTERCEPTOR STRUCTURES (ALL DEPTHS)	.000	\$330.00	EA	\$ .00
015	REMOVING OLD STRUCTURES (HEADWALL)	.000	\$2,950.00	EA	\$ .00
016	REMOVE & RELOCATE OR DISPOSE OF TRAFFIC SIGNS, MAIL BOXES AND ROADWAY SIGNS	.000	\$55.00	EA	\$ .00
017	VIDEO RECORDING CONSTRUCTION	.000	\$500.00	LS	\$ .00
018	LIME (3%) (ROADWAY)	.000	\$185.00	TN	\$ .00
019	LIME (3%) (PEDESTRIAN TRAIL)	.000	\$185.00	TN	\$ .00
020	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 8" DEPTH (3% LIME AND 9% FLYASH) (ROADWAY)	.000	\$3.00	SY	\$ .00
021	MANIPULATION OF LIME-FLYASH STABILIZED SUBGRADE - 6" DEPTH (3% LIME AND 9% FLYASH) (PEDESTRIAN TRAIL)	.000	\$8.00	SY	\$ .00
022	FLYASH (9%) (ROADWAY)	.000	\$88.00	TN	\$ .00
023	FLYASH (9%) (PEDESTRIAN TRAIL)	.000	\$88.00	TN	\$ .00
024	REINFORCED CONCRETE PAVEMENT (10" DEPTH)	.000	\$54.40	SY	\$ .00
025	REINFORCED CONCRETE PAVEMENT (PEDESTRIAN TRAIL)(5" DEPTH)	.000	\$64.00	SY	\$ .00
026	FLEX BEAM GUARD RAIL, W/MOW STRIP	.000	\$63.00	LF	\$ .00
027	FLEX BEAM TURN DOWN TERMINAL SECTION (25' LONG) W/ ANCHOR	.000	\$1,150.00	EA	\$ .00
028	6" CONCRETE CURB	.000	\$2.85	LF	\$ .00
029	6" CONCRETE CURB (DOWEL)	.000	\$5.75	LF	\$ .00
030	FURNISH AND INSTALL TYPE NINE (9) REINFORCED CONCRETE RAMP	.000	\$1,200.00	EA	\$ .00
031	FURNISH AND INSTALL TYPE (12) REINFORCED CONCRETE RAMP	.000	\$1,550.00	EA	\$ .00
032	FURNISH AND INSTALL 4 1/2" REINFORCED CONCRETE SIDEWALK	.000	\$57.00	SY	\$ .00
033	ESPLANADES, MEDIANS, AND DIRECTIONAL ISLANDS (6") CONCRETE	.000	\$90.00	SY	\$ .00

034	COLORING OF CONCRETE (BLACK) IN MEDIAN NOSES	.000	\$160.00	SY	\$ .00
035	CONCRETE CHANNEL LINING (5")	.000	\$60.00	SY	\$ .00
036	ALUMINUM SIGNS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$275.00	EA	\$ .00
037	OBJECT MARKERS (GROUND MOUNTED) - FURNISH AND INSTALL	.000	\$170.00	EA	\$ .00
038	IN STL DEL ASSM(D-SY)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
039	IN STL DEL ASSM(D-SW)SZ(BRF)GF1	.000	\$55.00	EA	\$ .00
040	IN STL DEL ASSM(D-SY)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
041	IN STL DEL ASSM(D-SW)SZ(BRF)GF2	.000	\$55.00	EA	\$ .00
042	IN STL DEL ASSM(D-SY)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
043	IN STL DEL ASSM(D-SW)SZ(BRF)CTB	.000	\$55.00	EA	\$ .00
044	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 4" WHITE/BROKEN - FURNISH AND APPLIED	.000	\$1.10	LF	\$ .00
045	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 8" WHITE/SOLID - FURNISH AND APPLIED	.000	\$1.60	LF	\$ .00
046	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 12" WHITE/SOLID - FURNISH AND APPLIED	.000	\$3.80	LF	\$ .00
047	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) 24" WHITE/SOLID - FURNISH AND APPLIED	.000	\$7.00	LF	\$ .00
048	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) SINGLE ARROW (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
049	REFLECTORIZED PAVEMENT MARKING TYPE I (THERMOPLASTIC) WORD "ONLY" (WHITE) - FURNISH AND APPLIED	.000	\$170.00	EA	\$ .00
050	PAINT CURB AT MEDIAN NOSE (YELLOW)	.000	\$ .80	LF	\$ .00
051	TRAFFIC PAINT (SOLVENT BASED) 4" SOLID YELLOW STRIPE	.000	\$ .25	LF	\$ .00
052	REFLECTORIZED PAVEMENT MARKERS TYPE II-C-R - FURNISH & INSTALL	.000	\$4.50	EA	\$ .00
053	NON-REFLECTORIZED CERAMIC TRAFFIC BUTTONS (WHITE) - FURNISH AND INSTALL	.000	\$4.00	EA	\$ .00
054	24" CONCRETE COLLAR	.000	\$440.00	CY	\$ .00
055	TRENCH SAFETY SYSTEMS, 5-10 FOOT DEPTH	.000	\$1.50	LF	\$ .00
056	TRENCH SAFETY SYSTEMS, 10-15 FOOT DEPTH	.000	\$2.00	LF	\$ .00
057	TIMBER BENT FOR 66-INCH CGMP OUTFALL	.000	\$1,800.00	EA	\$ .00
058	TIMBER BENT FOR 54-INCH CGMP OUTFALL	.000	\$1,700.00	EA	\$ .00
059	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (24")	.000	\$78.00	LF	\$ .00
060	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (36")	.000	\$130.00	LF	\$ .00
061	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (42")	.000	\$161.00	LF	\$ .00
062	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (48")	.000	\$179.00	LF	\$ .00
063	REINFORCED CONCRETE PIPE, C76, CLASS III, RUBBER GASKET (66")	.000	\$327.00	LF	\$ .00
064	CONNECT 24" RCP TO EXIST INLET	.000	\$502.00	EA	\$ .00
065	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET WITH INLET TOP	.000	\$3,000.00	EA	\$ .00
066	PRECAST STANDARD MANHOLE WITH DEPTH GREATER THAN 5 FEET AND LESS THAN 10 FEET	.000	\$4,650.00	EA	\$ .00
067	PRECAST CONCRETE EXTRA DEPTH JUNCTION BOX	.000	\$7,650.00	EA	\$ .00

	WITH MANHOLE WITH DEPTH GREATER THAN 10 FEET				
068	PRECAST TYPE "BB" INLET	.000	\$2,650.00	EA	\$ .00
069	PRECAST TYPE "C" INLET	.000	\$4,000.00	EA	\$ .00
070	PRECAST TYPE "A" MODIFIED INLET	.000	\$2,500.00	EA	\$ .00
071	ADJUSTING MANHOLES	.000	\$465.00	EA	\$ .00
072	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X10'), RUBBER GASKET	.000	\$850.00	LF	\$ .00
073	REINFORCED CONCRETE BOX, C1433 (DEPTHS) - (10'X8'), RUBBER GASKET	.000	\$779.00	LF	\$ .00
074	WINGWALL (PW-1) (HW = 13 FT)	.000	\$230,000.00	EA	\$ .00
075	WINGWALL (PW-1) (HW = 15 FT)	.000	\$208,000.00	EA	\$ .00
076	WINGWALL (PW-1) (HW = 11.5 FT)	.000	\$73,000.00	EA	\$ .00
077	WINGWALL (FW-0) (HW = 10 FT)	.000	\$36,000.00	EA	\$ .00
078	CCTV INSPECTION OF THE NEW STORM SEWER TRUNKLINE (ALL SIZES)	.000	\$6.00	LF	\$ .00
079	INSTALLATION OF 24" THICK CLAY LINER ON SIDE SLOPES OF CHANNEL AND BASIN PER GEOTECH REPORT	.000	\$24.50	CY	\$ .00
080	BACKSLOPE DRAINAGE SYSTEMS SWALES	.000	\$5.75	LF	\$ .00
081	OFFSITE DITCH INTERCEPTOR STRUCTURE (INCLUDING CEMENT STABILIZED SAND)	.000	\$1,000.00	EA	\$ .00
082	REINFORCED CONCRETE PILOT CHANNEL (6" THICK) (INCLUDING TOE WALLS AND CONTROL STRUCTURE)	.000	\$59.00	SY	\$ .00
083	RIPRAP GRADATION NO. 1 AND GRANULAR FILL	.000	\$76.00	SY	\$ .00
084	RIPRAP GRADATION NO. 2 AND GRANULAR FILL	.000	\$90.00	SY	\$ .00
085	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (24")	.000	\$90.00	LF	\$ .00
086	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (66")	.000	\$200.00	LF	\$ .00
087	CORREGATED METAL PIPE PRE-COATED GALVANIZED, 16 GUAGE (54")	.000	\$174.00	LF	\$ .00
088	DRILLED SHAFT FOUNDATIONS (18" DIA)	.000	\$84.00	LF	\$ .00
089	DRILLED SHAFT FOUNDATIONS (36" DIA)	.000	\$204.00	LF	\$ .00
090	DRILLED SHAFT FOUNDATIONS (42" DIA)	.000	\$271.00	LF	\$ .00
091	CLASS "B1" CONCRETE, ABUTMENT	.000	\$756.00	CY	\$ .00
092	CLASS "B1" CONCRETE, COMBINATION PARAPET	.000	\$1,425.00	CY	\$ .00
093	CLASS "B1" CONCRETE, CAP	.000	\$755.00	CY	\$ .00
094	CLASS "B1" CONCRETE, COLUMN	.000	\$804.00	CY	\$ .00
095	CLASS "A1" CONCRETE, APPROACH SLAB	.000	\$174.00	SY	\$ .00
096	CLASS "A1" CONCRETE, BRIDGE CURB	.000	\$149.00	SY	\$ .00
097	CLASS "A1" CONCRETE, BRIDGE SIDEWALK	.000	\$107.00	SY	\$ .00
098	CLASS "A1" CONCRETE, BRIDGE DECK	.000	\$146.00	SY	\$ .00
099	PRESTR CONC TXGIRDERS (TX34)	.000	\$143.50	LF	\$ .00
100	PRESTR CONC TXGIRDERS (TX54)	.000	\$157.50	LF	\$ .00
101	CEMENT STABILIZED SAND	.000	\$80.00	CY	\$ .00
102	JOINT COVER PLATES	.000	\$15.50	LB	\$ .00
103	BRIDGE PLAQUE	.000	\$2,200.00	EA	\$ .00
104	TRAFFIC RAIL	.000	\$76.00	LF	\$ .00
105	COMBINATION RAIL	.000	\$122.00	LF	\$ .00
106	PEDESTRIAN RAIL	.000	\$83.00	LF	\$ .00
107	SEALED EXPANSION JOINT (TYPE M)	.000	\$136.00	LF	\$ .00
108	TRAFFIC CONTROL - FURNISH, INSTALL & REMOVE	.000	\$380.00	MO	\$ .00
109	SODDING FOR EROSION CONTROL AND FINAL STABILIZATION	.000	\$3.40	SY	\$ .00
110	HYDRO-MULCH SEEDING (FOR EROSION CONTROL AND FINAL STABILIZATION)	.000	\$1,300.00	AC	\$ .00
111	TPDES GENERAL PERMIT NO. TXR 15000, NOTICE OF INTENT (NOI) APPLICATION FEES (CONTRACOR'S	.000	\$325.00	EA	\$ .00

	NOI FEE & HARRIS COUNTY'S NOI FEE, EACH FEE SHALL BE SET PRICE OF \$325.00)				
112	REINFORCED FILTER FABRIC BARRIER (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1.80	LF	\$ .00
113	INLET PROTECTION BARRIER (STAGE I INLETS, WITH REINFORCED FILTER FABRIC FENCE; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$110.00	EA	\$ .00
114	STABILIZED CONSTRUCTION ACCESS (TYPE I - ROCK; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$20.00	SY	\$ .00
115	CONCRETE TRUCK WASHOUT STRUCTURES (60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$1,600.00	LS	\$ .00
116	INLET PROTECTION BARRIER (STAGE II INLETS, GRAVEL BAGS; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$49.00	EA	\$ .00
117	ROCK FILTER DAMS (TYPE 3; 60% OF UNIT COST FOR FURNISH AND INSTALLATION, AND 40% OF UNIT COST FOR REMOVAL)	.000	\$11.00	LF	\$ .00
118	SWPPP INSPECTION AND MAINTENANCE (MIN BID \$6000/MO)	.000	\$6,000.00	MO	\$ .00
119	FURNISH AND INSTALL 36" DRILLED SHAFT TRAFFIC SIGNAL POLE FOUNDATION FOR 34' POLES, AND ANCHOR BOLTS (USE CLASS B CONCRETE FOR FOUNDATION)	.000	\$272.00	VF	\$ .00
120	JACKING AND BORING PIPE, 4"	.000	\$17.00	LF	\$ .00
121	FURNISH AND INSTALL SPAN WIRE MOUNTED R10-17 T "LEFT TURN YIELD ON FLASHING YELLOW ARROW" SIGN (30" X 30")	.000	\$205.00	EA	\$ .00
122	FURNISH AND INSTALL "LOUETTA RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 60")	.000	\$255.00	EA	\$ .00
123	FURNISH AND INSTALL "STABLEWOOD FARMS RD" STREET SIGN, DIAMOND GRADE, (D3-1; 18" X 114")	.000	\$432.00	EA	\$ .00
124	FURNISH AND INSTALL 1" SCHEDULE 40 PVC CONDUIT	.000	\$8.00	LF	\$ .00
125	FURNISH AND INSTALL 2" SCHEDULE 40 PVC CONDUIT	.000	\$10.00	LF	\$ .00
126	FURNISH AND INSTALL 3" SCHEDULE 40 PVC CONDUIT	.000	\$12.00	LF	\$ .00
127	Furnish and Install 3" (BORE) Schedule 40 PVC Conduit	.000	\$16.00	LF	\$ .00
128	FURNISH AND INSTALL 4" SCHEDULE 40 PVC CONDUIT	.000	\$14.00	LF	\$ .00
129	Furnish and Install 4" (BORE) Schedule 40 PVC Conduit	.000	\$17.00	LF	\$ .00
130	FURNISH AND INSTALL 2" RIGID METAL CONDUIT	.000	\$8.00	LF	\$ .00
131	FURNISH AND INSTALL #4 AWG, XHHW (STRANDED) WIRE	.000	\$1.50	LF	\$ .00
132	FURNISH AND INSTALL #8 AWG, BARE COPPER (SOLID) WIRE WITH GROUNDING HARDWARE	.000	\$ .80	LF	\$ .00
133	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$ .90	LF	\$ .00
134	FURNISH AND INSTALL 2/C #14 STRANDED AWG (IMSA 50-2) (STRANDED) CABLE	3,594.000	\$ .80	LF	\$2,875.20
135	FURNISH AND INSTALL 4/C #14 STRANDED AWG (IMSA 20-1) (STRANDED) CABLE	.000	\$1.25	LF	\$ .00
136	FURNISH AND INSTALL 7/C #14 STRANDED AWG	.000	\$1.75	LF	\$ .00

	(IMSA 20-1) (STRANDED) CABLE				
137	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE	.000	\$6,000.00	EA	\$ .00
138	FURNISH AND INSTALL 34' TRAFFIC SIGNAL POLE ASSEMBLY (STL) STRAIN POLE WITH 15' LUMINAIRE ARM AND SHORTING CAP	.000	\$7,200.00	EA	\$ .00
139	FURNISH AND INSTALL POWER SERVICE POLE - TY D (120/240)70(NS)SS(E)SP(O)	.000	\$4,600.00	EA	\$ .00
140	INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
141	FURNISH AND INSTALL STEEL PEDESTAL POLE WITH FOUNDATION	.000	\$1,500.00	EA	\$ .00
142	FURNISH AND INSTALL 400 WATT EQUIVALENT LED LUMINAIRE ON 15' ARMS WITH A PHOTOELECTRIC CELL	.000	\$500.00	EA	\$ .00
143	INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
144	INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
145	FURNISH AND INSTALL ONE-WAY 3-SECTION 12" LED HORIZ SIGNAL HEAD (RYG)	.000	\$550.00	EA	\$ .00
146	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ SIGNAL HEAD (RYGG)	.000	\$700.00	EA	\$ .00
147	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RFYYG)	.000	\$700.00	EA	\$ .00
148	FURNISH AND INSTALL ONE-WAY 4-SECTION 12" LED HORIZ. SIGNAL HEAD (RRYG)	.000	\$700.00	EA	\$ .00
149	FURNISH AND INSTALL 48", LED SIGN LIGHT ASSEMBLY WITH "LEFT TURN SIGNAL" SIGN (48"X12")	.000	\$500.00	EA	\$ .00
150	INSTALL LED (AC INPUT VOLTAGE) SINGLE SECTION SYMBOLIC PEDESTRIAN (COUNTDOWN) SIGNAL ASSEMBLY, ALL HARDWARE	.000	\$450.00	EA	\$ .00
151	FURNISH AND INSTALL PEDESTRIAN PUSH BUTTON STATION (RIGHT ARROW, LEFT ARROW, DOUBLE ARROW)	.000	\$250.00	EA	\$ .00
152	INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
153	FURNISH AND INSTALL "COUNTDOWN PEDESTRIAN LED SIGNAL HEAD" W/ PUSH BUTTON AND SIGN	.000	\$700.00	EA	\$ .00
154	FURNISH AND INSTALL PULL BOX (TYPE D) WITH LID APRON	.000	\$1,000.00	EA	\$ .00
155	FURNISH AND INSTALL GROUND BOX WITH LID AND APRON	.000	\$1,600.00	EA	\$ .00
156	FURNISH AND INSTALL TRAFFIC SIGNAL SYSTEM	.000	\$16,000.00	LS	\$ .00
157	SAWCUT AND INSTALL VEHICLE LOOP DETECTORS, INCLUDING LOOP WIRE	.000	\$9.00	LF	\$ .00
158	FURNISH AND INSTALL GROUND MOUNT ITS CONTROLLER CABINET ASSEMBLY (HC)(HOUSING 3) WITH SIDE MOUNTED BATTERY BACKUP SYSTEM (BBS)	.000	\$34,000.00	EA	\$ .00
159	FURNISH AND INSTALL A REINFORCED CONCRETE FOUNDATION FOR ITS CONTROLLER CABINET (HOUSING 3)	.000	\$2,750.00	EA	\$ .00
160	FURNISH AND INSTALL AN ATC 2071 LCS CONTROLLER UNIT	.000	\$4,000.00	EA	\$ .00
161	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN (5-10 FOOT DEPTH)	.000	\$2.35	LF	\$ .00
162	TRENCH SAFETY SYSTEM FOR TRENCH EXCAVATIONS FOR SANITARY SEWER FORCE MAIN	.000	\$6.25	LF	\$ .00

	(10-20 FOOT DEPTH)				
163	PROPOSED AIR RELEASE SANITARY SEWER MANHOLES	.000	\$5,700.00	EA	\$ .00
164	REMOVE AND DISPOSE OF 10" SANITARY FORCEMAIN	.000	\$7.50	LF	\$ .00
165	REMOVE AND DISPOSE OF AIR RELIEF VALVE MANHOLE	.000	\$155.00	EA	\$ .00
166	10" SANITARY FORCEMAIN (OPEN CUT)	.000	\$36.00	LF	\$ .00
167	SPECIAL EXCAVATION (MIN. BID \$10/CY)	.000	\$10.00	CY	\$ .00
168	SEAL SLAB FOR STORM SEWER (6") (MIN. BID \$25/SY)	.000	\$25.00	SY	\$ .00
169	WELL POINTING SYSTEM( MIN BID - \$25/LF)	.000	\$25.00	LF	\$ .00
170	ORANGE CONSTRUCTION SAFETY FENCE, AS DIRECTED BY ENGINEER, MIN BID - \$2/LF	.000	\$2.00	LF	\$ .00
171	MOWING PROJECT SITE	.000	\$450.00	CYCLE	\$ .00
172	UNIFORMED PEACE OFFICER (MIN BID - \$45/HR)	.000	\$45.00	HR	\$ .00
<b>Total PCO Amount</b>					<b>\$2,875.20</b>

**Proposed Days for this PCO**                      0

## Summary of Contract Cost

1. Original Contract Amount	\$8,793,296.85
2. Previously Approved Changes in Contract	\$49,105.60
3. Proposed Change in Contract	\$196,204.86
4. Total Contract Value with approval of Change in Contract(s)	\$9,038,607.31

## Potential Change Order Summary

(PCO Details Attached)

PCO Number	PCO Subject	PCO Change Amount	Change in Days
PCO - 6	PCT 4 - The contractor has discovered that the force main on the Precinct 4 side is in conflict with the 54" CMP pipe being that it sits at the same elevation. We are proposing that the force main pipe be lowered at enough depth to go under the CMP pipe, while adding 2 more joints of 10" pvc and 2 more 45 degree fittings - \$2,506.50 - 0 days (HCNTY-0000015969)	\$2,506.50	0
PCO - 16	Outfall at Little Cypress Creek needs to be lowered approx. 7'. Timber bent will be removed and rebuilt, and a manhole will be added to avoid having to lower the MUD force main. - \$46,203.58 - 3 days (HCNTY-0000015969)	\$46,203.58	3
PCO - 13	Pct 4 Overruns Include: Remove Concrete 6" Dowelled Curb - Item 4 - 10 LF Remove Concrete Payment - Item 5 - 36.11 SY Lime 3% - Item 18 - 28.45 TN Flyash 9% - Item 22 - 56.06 TN Trench Safety - Item 55 - 147 LF Trench Safety 10-15 - Item 56 - 64 LF 24" RCP - Item 59 - 3.5 LF Type A Inlet - Item 70 - 4 EA Cement Stabilized Sand - Item 101 - 10.11 TN Inlet Protection Stage 1 Inlet	\$28,020.61	0
PCO - 8	PCT 4 - Add pedestrian railing to headwalls - 119 LF to item #106 - \$9,877.00 - 2 days (HCNTY-0000015969)	\$9,877.00	2
PCO - 15	Pct 4 north headwall will be raised and lengthened to improve safety and drainage. Additional pedestrian railing will be added to lengthened sections. Existing concrete will be cut down 2', to expose rebar, then an additional 4'9" will be added back. - \$59,203.85 - 10 days (HCNTY-0000015969)	\$59,203.85	10
PCO - 17	Add inlet on back side of residential property, within ROW, to capture water. Tie into trunk line. Regrade area to drain to new inlet. Regrade south headwall area to drain to interceptor. - \$43,128.40 - 3 days (HCNTY-0000015969)	\$43,128.40	3
PCO - 4	Flowable fill was used instead of cement stabilized sand between the triple run of boxes. The \$4,389.72 is Pct 4's portion of the total cost. - \$4,389.72 - 0 days (HCNTY-0000015969)	\$4,389.72	0
PCO - 14	PCT 4- The Telge side has an estimated amount of 4,244 LF of Item 134 stranded signal cable, while the plans call for 650 LF. Add 3,594 LF @ .80\$/LF = \$2,875.2 - \$2,875.20 - 0 days (HCNTY-0000015969)	\$2,875.20	0