

CHANGE ORDER APPROVAL FORM

PROJECT: Blackrock Road Corridor Improvements CHANGE ORDER NUMBER: 1

DATE: 10-15-13

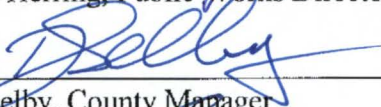
CONTRACT NUMBER: CM2034


TO CONTRACTOR: Petticoat-Schmitt Civil Contractors Inc.

Reason for Change Order: Reduction or elimination of pay item quantities to reduce the cost of the initial bid \$1,209,832.41 for a revised total project cost of \$2,680,676.59. These design revisions are detailed in attached Exhibit A and quantities changes can be seen highlighted in "yellow" on the attached Exhibit B.

Original Contract Sum.....	\$	<u>3,890,509.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>3,890,509.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>(1,209,676.59)</u>
New Contract Sum Including this Change Order.....	\$	<u>2,680,676.59</u>

APPROVED BY:  DATE: 10/15/13
Scott Herring, Public Works Director

APPROVED BY:  DATE: 11/4/13
Ted Selby, County Manager

APPROVED BY:  DATE: 11-4-13
David Hallman, County Attorney

APPROVED BY:  DATE: 11-4-13
Daniel B. Leeper, Chair

ATTEST:  DATE: 11/6/13
John A. Crawford, Clerk of Courts

MES
11-06-13

**Peters and Yaffee Analysis for
Blackrock Road Bid Evaluation
(Petticoat-Schmitt)
"Exhibit A"**

OPTION 1

Cost Reduction Analysis

A. Pavement Design Revision

Elimination of the Friction Course (FC-9.5)(1") and replace with Type (SP-9.5)(1") for travel lanes and driveways. This option also reduces the proposed Type (SP-9.5) from 1.5" to 1". The final pavement design will be 2" of Type (SP-9.5). This design option allows for 12' Travel Lanes, however changes the Pavement Design to accommodate the reduced Structural Number needed. The elimination of Friction Course is based on the proposed traffic volume per FDOT Flexible Pavement Design Manual 2008, Chapter 4 (Friction Course Policy).

B. Shoulder Pavement Revision

The option would eliminate the proposed paved shoulder for the Blackrock Road Project. This design option will provide an unpaved stabilized shoulder width of 2'. This design option does meet AASHTO's Guidance for minimum shoulder width requirement of 2'.

C. Drainage Improvements Revision

With the elimination of the proposed paved shoulder the roadway improvements will tie into the existing ditch front slope. This approach would eliminate the need for the majority of the ditch regrading and sidedrain improvements. However, several cross-drains will need improvements in order to meet clear zone criteria. The improvements at Heron Isle Parkway will remain in place to accommodate the roadway widening.

D. Sod Revision

This option would only use Performance Sod at the unpaved shoulders, proposed sidewalk locations and at drainage features. Performance Sod would also be provided at the areas disturbed due to shoulder construction and minor regrading.

E. Sidewalk Improvements Revision

If Options B and C are executed, a reduction in removing and constructing proposed sidewalk will occur. This will allow for much of the existing sidewalk to remain in place and reduce the amount of proposed sidewalk needed.

F. First Coast Rail Road Improvements

This option would transition the roadway width using striping in order to utilize the existing typical section at the Rail Road Crossing.

With the revisions for the above Cost Reduction Items the ***Project Grand Total = \$2,680,676.59 based on Bid pricing submitted by Petticoat-Schmitt Construction.***

PROJECT: BLACKROCK ROAD CORRIDOR IMPROVEMENTS
 LOCATION: YULEE, FLORIDA
 BID NUMBER: NC13-035
 BID OPENING DATE: WEDNESDAY, SEPTEMBER 11, 2013

COST REDUCTION ANALYSIS - OPTION 1
 "EXHIBIT B"

LINE NO.	DESCRIPTION	UNIT	EST. QUAN.	Engineer's Estimate		[Low Bidder]		Cost Differential
				UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	
1	101-1 MOBILIZATION	LS	1	\$50,000.00	\$50,000.00	\$280,000.00	\$280,000.00	\$230,000.00
2	102-1 MAINTENANCE OF TRAFFIC	LS	1	\$25,000.00	\$25,000.00	\$80,000.00	\$80,000.00	\$55,000.00
3	104-10-2 HAY BALES	EA	274	\$8.50	\$2,329.00	\$19.35	\$5,301.90	\$2,972.90
4	104-10-3 SEDIMENT BARRIER	LF	6933	\$0.87	\$6,031.71	\$1.50	\$10,399.50	\$4,367.79
5	104-11 FLOATING TURBIDITY BARRIER	LF	549	\$3.50	\$1,921.50	\$13.25	\$7,274.25	\$5,352.75
6	110-1-1 CLEARING & GRUBBING	LS	1	\$17,500.00	\$17,500.00	\$125,000.00	\$125,000.00	\$107,500.00
7	110-4 REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	1271	\$5.50	\$6,990.50	\$7.10	\$9,024.10	\$2,033.60
8	110-7-1 MAILBOX, F&I SINGLE	EA	50	\$129.08	\$6,454.00	\$125.00	\$6,250.00	-\$204.00
9	120-1 REGULAR EXCAVATION	CY	3907.5	\$5.57	\$21,764.78	\$7.15	\$27,938.63	\$6,173.85
10	120-6 EMBANKMENT	CY	5979	\$6.83	\$40,836.57	\$5.50	\$32,884.50	-\$7,952.07
11	160-4 TYPE B STABILIZATION	SY	8695	\$2.58	\$22,431.81	\$5.14	\$44,689.73	\$22,257.92
12	285-701 OPTIONAL BASE (BASE GROUP 1) (4" LIMEROCK) (LBR 100)	SY	1250	\$5.25	\$6,562.50	\$9.75	\$12,187.50	\$5,625.00
13	285-703 OPTIONAL BASE (BASE GROUP 3) (5.5" LIMEROCK) (LBR 100)	SY	1970	\$8.25	\$16,252.50	\$11.90	\$23,443.00	\$7,190.50
14	285-706 OPTIONAL BASE (BASE GROUP 6) (8" LIMEROCK) (LBR 100)	SY	1720	\$10.04	\$17,268.80	\$13.40	\$23,048.00	\$5,779.20
15	300-1 FULL DEPTH RECLAMATION (PULVERIZATION)	SY	29125	\$1.85	\$53,881.25	\$9.45	\$275,231.25	\$221,350.00
16	300-2 CEMENT TREATED BASE	TN	219	\$72.00	\$15,768.00	\$162.00	\$35,478.00	\$19,710.00
17	300-3 EMULSION	GAL	93200	\$1.35	\$125,820.00	\$2.70	\$251,640.00	\$125,820.00
18	300-4 BASE MATERIALS (LIMEROCK OR CRUSHED CONCRETE)	CY	1170	\$60.00	\$70,200.00	\$83.00	\$97,110.00	\$26,910.00
19	334-1-13 SUPERPAVE ASPH. CONC. (TRAFFIC C) (SP-9.5)	TN	3658.5	\$84.79	\$310,203.71	\$94.00	\$343,898.44	\$33,694.73
20	337-7-42 ASPHALT CONC. FRICTION COURSE (TRAFFIC C) (FC-9.5) (PG 76-22) (1")	TN	0	\$96.50	\$0.00	\$118.00	\$0.00	\$0.00
21	339-1 MISCELLANEOUS ASPHALT PAVEMENT	TN	24.4	\$121.44	\$2,963.14	\$260.00	\$6,344.00	\$3,380.86
22	425-1-521 INLETS, DT BOT, TYPE C, <10'	EA	1	\$1,864.01	\$1,864.01	\$1,495.00	\$1,495.00	-\$369.01
23	425-1-541 INLETS, DT BOT, TYPE D, <10'	EA	7	\$2,520.33	\$17,642.31	\$2,100.00	\$14,700.00	-\$2,942.31
24	425-1-551 INLETS, DT BOT, TYPE E, <10'	EA	4	\$2,787.97	\$11,151.88	\$2,035.00	\$8,140.00	-\$3,011.88
25	425-1-581 INLETS, DT BOT, TYPE H, <10'	EA	2	\$5,188.02	\$10,376.04	\$2,870.00	\$5,740.00	-\$4,636.04
26	425-2-91 MANHOLE, J-8, <10'	EA	1	\$4,734.63	\$4,734.63	\$4,920.00	\$4,920.00	\$185.37
27	430-174-118 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"SD	LF	62	\$41.83	\$2,593.46	\$32.00	\$1,984.00	-\$609.46
28	430-174-218 PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	83	\$50.46	\$4,188.18	\$38.40	\$3,187.20	-\$1,000.98
29	430-174-124 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	32	\$49.42	\$1,581.44	\$129.15	\$4,132.80	\$2,551.36
30	430-174-224 PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24"SD	LF	219	\$41.35	\$9,055.65	\$54.00	\$11,826.00	\$2,770.35
31	430-174-230 PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30"SD	LF	0	\$54.55	\$0.00	\$69.00	\$0.00	\$0.00
32	430-175-118 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18" S/CD	LF	87	\$41.83	\$3,639.21	\$31.00	\$2,697.00	-\$942.21
33	430-175-218 PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18" S/CD	LF	686	\$40.98	\$28,112.28	\$44.50	\$30,527.00	\$2,414.72
34	430-175-124 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24" S/CD	LF	55	\$54.23	\$2,982.65	\$48.50	\$2,667.50	-\$315.15
35	430-175-224 PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 24" S/CD	LF	792	\$56.99	\$45,136.08	\$59.50	\$47,124.00	\$1,987.92
36	430-175-130 PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30" S/CD	LF	211	\$58.04	\$12,246.44	\$62.50	\$13,187.50	\$941.06
37	430-175-230 PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 30" S/CD	LF	271	\$73.74	\$19,983.54	\$120.00	\$32,520.00	\$12,536.46
38	430-963-2 PVC PIPE, FOR BACK OF SIDEWALK, NON STANDARD DIAMETER	LF	57	\$27.40	\$1,561.80	\$26.50	\$1,510.50	-\$51.30
39	430-982-633 MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 30" CD	EA	2	\$1,451.28	\$2,902.56	\$2,540.00	\$5,080.00	\$2,177.44
40	430-984-125 MITERED END SECTION, OPTIONAL ROUND, 18" SD	EA	4	\$772.05	\$3,088.20	\$1,075.00	\$4,300.00	\$1,211.80
41	430-984-625 MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" SD	EA	4	\$801.25	\$3,205.00	\$1,145.00	\$4,580.00	\$1,375.00
42	430-984-129 MITERED END SECTION, OPTIONAL ROUND, 24" SD	EA	2	\$881.13	\$1,762.26	\$1,365.00	\$2,730.00	\$967.74
43	430-984-629 MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 24" SD	EA	10	\$1,388.58	\$13,885.80	\$2,080.00	\$20,800.00	\$6,914.40
44	430-984-633 MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 30" SD	EA	0	\$1,452.65	\$0.00	\$2,780.00	\$0.00	\$0.00
45	515-2-321 PED/BICYCLE RAILING, ALUMINIUM ONLY, 54", TYPE I	LF	364.5	\$71.00	\$25,879.50	\$81.50	\$29,706.75	\$3,827.25
46	520-1-8 CONCRETE CURB AND GUTTER, RIBBON CURB	LF	107	\$22.30	\$2,386.10	\$23.75	\$2,541.25	\$155.15
47	520-1-10 CONCRETE CURB AND GUTTER, TYPE F	LF	62	\$13.12	\$813.44	\$20.25	\$1,255.50	\$442.06
48	522-1 SIDEWALK CONC. (4" THICK)	SY	1703	\$26.97	\$45,929.91	\$31.25	\$53,218.75	\$7,288.84
49	522-2 SIDEWALK CONC. (6" THICK)	SY	390	\$34.92	\$13,618.80	\$35.00	\$13,650.00	\$31.20
50	524-1-2 CONCRETE DITCH PAVEMENT, NON REINFORCED, 4"	SY	125	\$41.89	\$5,236.25	\$42.75	\$5,343.75	\$107.50
51	527-1 DETECTABLE WARNING ON WALKING SURFACE, RETROFIT	EA	17	\$403.78	\$6,864.26	\$485.00	\$8,245.00	\$1,380.74
52	530-3-4 RUBBLE RIPRAP, DITCH LINING	TN	4.0	\$55.34	\$221.36	\$260.00	\$1,040.00	\$818.64
53	536-1-1 GUARDRAIL, ROADWAY	LF	475	\$16.08	\$7,638.00	\$23.00	\$10,925.00	\$3,287.00
54	536-73 GUARDRAIL, REMOVE	LF	326	\$1.62	\$528.12	\$4.25	\$1,385.50	\$857.38

Contract Management
 Prepared by: Charlotte J. Young
 Report Date: 12/13/2012

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 BID NUMBER: NC13-035
 BID OPENING DATE: WEDNESDAY, SEPTEMBER 11, 2013

COST REDUCTION ANALYSIS - OPTION 1
 "EXHIBIT B"

			UNIT	EST. QUAN.	Engineer's Estimate		[Low Bidder]		Cost Differential
					UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	
55	536-8	GUARDRAIL BRIDGE ANCHORAGE ASSEMBLY, F&I	EA	4	\$1,797.42	\$7,189.68	\$2,065.00	\$8,260.00	\$1,070.32
56	536-85-24	GUARDRAIL END ANCHORAGE ASSEMBLY, PARALLEL	EA	4	\$1,900.12	\$7,600.48	\$1,900.00	\$7,600.00	-\$0.48
57	550-10-220	FENCING, TYPE B, 5.1'-6.0', STANDARD	LF	257	\$10.30	\$2,647.10	\$11.00	\$2,827.00	\$179.90
58	550-60-223	FENCE GATE, TYPE B, DOUBLE, 12.1'-18.0' OPENING	EA	2	\$1,200.00	\$2,400.00	\$875.00	\$1,750.00	-\$650.00
59	570-1-2	PERFORMANCE TURF, SOD	SY	7289	\$1.97	\$14,359.33	\$2.19	\$15,962.91	\$1,603.58
60	580-1	LANDSCAPE, COMPLETE (TREE PROTECTION)	LS	1	\$1,500.00	\$1,500.00	\$1,365.00	\$1,365.00	-\$135.00
Signing and Pavement Markings Base Bid									
61	700-20-11	SINGLE POST SIGN, F&I, LESS THAN 12 SF	AS	7	\$253.17	\$1,772.19	\$260.00	\$1,820.00	\$47.81
62	700-20-12	SINGLE POST SIGN, F&I, 12-20 SF	AS	2	\$679.11	\$1,358.22	\$450.00	\$900.00	-\$458.22
63	700-20-40	SINGLE POST SIGN (RELOCATE)	AS	27	\$84.35	\$2,277.45	\$65.75	\$1,775.25	-\$502.20
64	700-20-60	SINGLE POST SIGN (REMOVE)	AS	2	\$19.16	\$38.32	\$1.05	\$2.10	-\$36.22
65	700-48-18	SIGN PANELS, F&I, 15 OR <	EA	9	\$311.70	\$2,805.30	\$110.00	\$990.00	-\$1,815.30
66	700-48-48	SIGN PANELS RELOCATE, 15 OR <	EA	22	\$74.79	\$1,645.38	\$51.00	\$1,122.00	-\$523.38
67	700-48-58	SIGN PANELS REPLACE, 15 OR LESS	EA	16	\$91.00	\$1,456.00	\$99.50	\$1,592.00	\$136.00
68	700-49-60	SIGN PANELS, REMOVE	EA	2	\$115.33	\$230.66	\$14.85	\$29.70	-\$200.96
69	705-10-2	OBJECT MARKER (TYPE 2)	EA	4	\$152.24	\$608.96	\$141.00	\$564.00	-\$44.96
70	706-3	RETRO-REFLECTIVE PAVEMENT MARKER (BI-DIRECTIONAL) (YELLOW)	EA	468	\$3.23	\$1,511.64	\$4.15	\$1,942.20	\$430.56
71	706-3	RETRO-REFLECTIVE PAVEMENT MARKER (MONO-DIRECTIONAL) (YELLOW)	EA	51	\$3.23	\$164.73	\$4.15	\$211.65	\$46.92
72	706-3	RETRO-REFLECTIVE PAVEMENT MARKER (BI-DIRECTIONAL) (WHITE/RED)	EA	16	\$3.23	\$51.68	\$4.15	\$66.40	\$14.72
73	706-3	RETRO-REFLECTIVE PAVEMENT MARKER (BI-DIRECTIONAL) (BLUE)	EA	7	\$3.23	\$22.61	\$4.15	\$29.05	\$6.44
74	711-11-111	THERMOPLASTIC, STANDARD, WHITE, SOLID, 6"	NM	3,833	\$3,807.78	\$14,595.22	\$5,530.00	\$21,196.49	\$6,601.27
75	711-11-112	THERMOPLASTIC, STANDARD, WHITE, SOLID, 8"	NM	0.064	\$4,250.00	\$272.00	\$7,200.00	\$480.80	\$188.80
76	711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	1057	\$1.57	\$1,659.49	\$2.15	\$2,272.55	\$613.06
77	711-11-124	THERMOPLASTIC, STANDARD, WHITE, SOLID, 18"	LF	35	\$2.36	\$82.60	\$4.00	\$140.00	\$57.40
78	711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	390	\$3.58	\$1,396.20	\$5.50	\$2,145.00	\$748.80
79	711-11-170	THERMOPLASTIC, STANDARD, WHITE, SOLID, ARROW	EA	5	\$55.34	\$276.70	\$81.60	\$408.00	\$131.30
80	711-11-211	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 6"	NM	1,941	\$3,806.69	\$7,388.79	\$5,530.00	\$10,733.73	\$3,344.94
81	711-11-224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18"	LF	328	\$10.15	\$3,329.20	\$4.00	\$1,312.00	-\$2,017.20
82	711-11-231	THERMOPLASTIC, STANDARD, YELLOW, 10-30 SKIP, 6"	GM	1,446	\$1,749.84	\$2,530.27	\$1,700.00	\$2,458.20	-\$72.07
83	711-11-251	THERMOPLASTIC, STANDARD, YELLOW, GUIDELINE, 6"	LF	776	\$0.88	\$682.88	\$1.45	\$1,125.20	\$442.32
GRS-IBS Bridge Base Bid									
84	110-3A	REMOVAL OF EXISTING STRUCTURE	LS	1	\$5,000.00	\$5,000.00	\$15,663.07	\$15,663.07	\$10,663.07
85	110-3B	EXISTING PEDESTRIAN BRIDGE RELOCATION	LS	1	\$5,000.00	\$5,000.00	\$10,300.00	\$10,300.00	\$5,300.00
86	120-72	GRAVEL FILL (SELECT BACKFILL)	CY	1450	\$41.56	\$60,262.00	\$45.00	\$85,250.00	\$4,988.00
87	400-2-4	CONC CLASS II (SUPERSTRUCTURE)	CY	30.2	\$489.24	\$14,775.05	\$710.00	\$21,442.00	\$6,666.95
88	400-2-10	CONC CLASS II (APPROACH SLABS)	CY	2.2	\$300.46	\$661.01	\$710.00	\$1,562.00	\$900.99
89	415-1-4	REINF STEEL (SUPERSTRUCTURE)	LB	5305	\$0.76	\$4,031.80	\$2.10	\$11,140.50	\$7,108.70
90	415-1-9	REINF STEEL (APPROACH SLABS)	LB	420	\$0.89	\$373.80	\$2.10	\$882.00	\$508.20
91	450-3-15	15 INCH PRESTRESSED SLAB UNITS (15" X 48")	LF	352	\$160.00	\$56,320.00	\$220.00	\$77,440.00	\$21,120.00
92	450-3-95	15 INCH PRESTRESSED SLAB UNITS (15" X 30.5")	LF	88	\$159.00	\$13,992.00	\$285.00	\$25,080.00	\$11,088.00
93	458-1-11	BRIDGE DECK EXPANSION JOINT, POURED JOINT	LF	23	\$25.00	\$575.00	\$23.00	\$529.00	-\$46.00
94	521-5-1	CONCRETE TRAFFIC RAILING-BRIDGE (32" F-SHAPE)	LF	88	\$71.74	\$6,313.12	\$103.00	\$9,064.00	\$2,750.88
95	530-3-3	RIPRAP, RUBBLE, BANK AND SHORE	TN	340	\$70.79	\$24,068.60	\$100.00	\$34,000.00	\$9,931.40
96	530-74	BEDDING STONE	TN	170	\$60.70	\$10,319.00	\$68.00	\$11,560.00	\$1,241.00
97	549-2	GRS BRIDGE ABUTMENT	SF	2340	\$26.00	\$60,840.00	\$110.00	\$257,400.00	\$196,560.00
TOTAL BASE BID (ITEMS 1 TO 97)						\$1,475,373.17		\$2,680,676.59	\$1,205,303.42
PART I - WATER MAIN CONSTRUCTION									
JEA-1		MOBILIZATION	LS	1			\$9,000.00	\$9,000.00	
JEA-2		SITE PREPARATION	LS	1			\$5,000.00	\$5,000.00	
JEA-3		MAINTENANCE OF TRAFFIC	LS	1			\$4,500.00	\$4,500.00	
JEA-4		FIRE HYDRANT	EA	4			\$2,700.00	\$10,800.00	
JEA-5		WATER MAIN, PVC, 6"	LF	28			\$135.00	\$3,780.00	
JEA-6		GATE VALVE - 6"	EA	4			\$885.00	\$3,540.00	

Contract Management
 Prepared by: Charlotte J. Young
 Report Date: 12/13/2012

PROJECT: BLACKROCK ROAD CORRIDOR IMPROVEMENTS
 LOCATION: YULEE, FLORIDA
 BID NUMBER: NC13-035
 BID OPENING DATE: WEDNESDAY, SEPTEMBER 11, 2013

COST REDUCTION ANALYSIS - OPTION 1
 "EXHIBIT B"

		UNIT	EST. QUAN.	Engineer's Estimate		[Low Bidder]		Cost Differential
				UNIT PRICE	TOTAL AMOUNT	UNIT PRICE	TOTAL AMOUNT	
JEA-7	ADJUST VALVE AND COVER	EA	11			\$300.00	\$3,300.00	
JEA-8	RESTRAINED JOINTS - 6"	EA	8			\$235.00	\$1,880.00	
JEA-9	RELOCATE WATER METER	EA	5			\$870.00	\$4,350.00	
	SUBTOTAL - PART I WATER MAIN CONSTRUCTION:						\$46,150.00	
	SWA Account						\$1,000.00	
	TOTAL - PART I WATER MAIN CONSTRUCTION:						\$47,150.00	
	PART II - SEWER MAIN CONSTRUCTION							
JEA-10	SANITARY FORCEMAIN,PVC, 6"	LF	14			\$63.00	\$882.00	
JEA-11	SANITARY FORCEMAIN,PVC, 10"	LF	2680			\$20.00	\$53,600.00	
JEA-12	45° BEND - 10"	EA	10			\$685.00	\$6,850.00	
JEA-13	10"x6" TEE	EA	1			\$920.00	\$920.00	
JEA-14	GATE VALVE - 6"	EA	1			\$1,410.00	\$1,410.00	
JEA-15	GATE VALVE - 10"	EA	6			\$1,810.00	\$10,860.00	
JEA-16	AIR RELEASE VALVE	EA	1			\$3,965.00	\$3,965.00	
JEA-17	6" CUT-IN SLEEVE	EA	1			\$1,275.00	\$1,275.00	
JEA-18	10" CUT-IN SLEEVE	EA	3			\$1,640.00	\$4,920.00	
JEA-19	10" PLUG	EA	4			\$560.00	\$2,240.00	
JEA-20	RESTRAINED JOINTS - 10"	EA	65			\$210.00	\$13,650.00	
JEA-21	RESTRAINED JOINTS - 6"	EA	2			\$94.00	\$188.00	
JEA-22	SANITARY FORCEMAIN, 6", REMOVAL	LF	11			\$18.50	\$203.50	
JEA-23	SANITARY FORCEMAIN, 10", REMOVAL	LF	2685			\$7.50	\$20,137.50	
JEA-24	5000 GALLON PUMP TRUCK (6 HRS. PER CONFLICT)	HR	48			\$330.00	\$15,840.00	
	SUBTOTAL - PART II SEWER MAIN CONSTRUCTION:						\$136,941.00	
	SWA Account						\$8,000.00	
	TOTAL - PART II SEWER MAIN CONSTRUCTION:						\$144,941.00	
	RECAPITULATION							
	BASE BID (NASSAU COUNTY)					\$1,475,373.17	\$2,680,676.59	\$1,205,303.42
	TOTAL - PART I WATER MAIN CONSTRUCTION:						\$47,150.00	
	TOTAL - PART II SEWER MAIN CONSTRUCTION:						\$144,941.00	
	TOTAL JEA ALTERNATE BID						\$192,091.00	
	TOTAL BASE BID PLUS JEA ALTERNATE BID						\$2,872,767.59	