

CITY OF RIVIERA BEACH
W 1 ST THRU W 3 ST AND AVE O (RIVIERA HEIGHTS 8-10) NEIGHBORHOOD IMPROVEMENTS
COST ESTIMATE - 100% SUBMITTAL REVISED

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	EXTENDED PRICE
CONSTRUCTION - GENERAL					
1	BONDS AND INSURANCE (5%)	LS	1	\$ 191,658.00	\$ 191,658.00
2	MOBILIZATION (10%)	LS	1	\$ 383,316.00	\$ 383,316.00
3	MAINTENANCE OF TRAFFIC (5%)	LS	1	\$ 191,658.00	\$ 191,658.00
4	PERMIT FEES (3%)	AL	1	\$ 114,995.00	\$ 114,995.00
5	PROFESSIONAL AUDIO/VISUAL OF CONSTRUCTION SITE	LS	1	\$ 4,500.00	\$ 4,500.00
6	SURVEY AND RECORD DRAWINGS - LAYOUT/AS BUILTS	LS	1	\$ 57,498.00	\$ 57,498.00
7	EROSION AND SEDIMENTATION CONTROL / NPDES COMPLIANCE (1%)	LS	1	\$ 1,400.00	\$ 1,400.00
8	OWNER'S CONTINGENCY (2.5%)	AL	1	\$ 95,829.00	\$ 95,829.00
<i>GENERAL SUBTOTAL</i>					<i>\$ 1,040,854.00</i>
DEMOLITION					
9	REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK (4")	SY	3,309	\$ 10.00	\$ 33,090.00
10	REMOVE AND DISPOSE OF EXISTING DRIVEWAY APRON (6") (CONCRETE)	SY	1,044	\$ 11.00	\$ 11,484.00
11	REMOVE EXISTING DRIVEWAY APRON (ASPHALT)	SY	1,000	\$ 15.00	\$ 15,000.00
12	REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER	LF	31	\$ 15.00	\$ 465.00
13	REMOVE AND DISPOSE EXISTING ASPHALT PAVEMENT	SY	9,522	\$ 5.00	\$ 47,610.00
14	REMOVE EXISTING LIMEROCK BASE MATERIAL	SY	9,522	\$ 7.00	\$ 66,654.00
15	REMOVE AND DISPOSE OF EXISTING DRAINAGE STRUCTURE	EA	2	\$ 2,500.00	\$ 5,000.00
16	REMOVE AND DISPOSE OF EXISTING DRAINAGE PIPE	LF	160	\$ 55.00	\$ 8,800.00
17	REMOVE AND DISPOSE OF EXISTING SANITARY SEWER PIPE	LF	523	\$ 40.00	\$ 20,920.00
18	REMOVE AND DISPOSE OF EXISTING FIRE HYDRANT	EA	3	\$ 3,750.00	\$ 11,250.00
19	GROUT AND ABANDON EXISTING 4" WATER MAIN	LF	1,907	\$ 8.00	\$ 15,256.00
20	GROUT AND ABANDON EXISTING 6" WATER MAIN	LF	2,293	\$ 10.00	\$ 22,930.00
21	GROUT AND ABANDON EXISTING 8" WATER MAIN	LF	10	\$ 42.00	\$ 420.00
<i>DEMOLITION SUBTOTAL</i>					<i>\$ 258,879.00</i>
ROAD WORKS AND SIDEWALK					
22	FURNISH AND INSTALL 8" LIMEROCK BASE	SY	9,492	\$ 15.00	\$ 142,380.00
23	FURNISH AND INSTALL 4" LIMEROCK BASE	SY	1,360	\$ 13.00	\$ 17,680.00
24	STABILIZATION OF SUBGRADE	SY	9,492	\$ 10.00	\$ 94,920.00
25	FURNISH AND PLACE TYPE FC-9.5 (1") ASPHALTIC CONCRETE PAVEMENT	SY	1,959	\$ 12.00	\$ 23,508.00
26	FURNISH AND PLACE TYPE SP (1-1/2") TRAFFIC LEVEL C ASPHALTIC CONCRETE PAVEMENT	SY	272	\$ 14.00	\$ 3,808.00
27	FURNISH AND PLACE TYPE S-III (1") ASPHALTIC CONCRETE PAVEMENT	SY	9,492	\$ 12.00	\$ 113,904.00
28	FURNISH AND PLACE TYPE S-I (1-1/2") ASPHALTIC CONCRETE PAVEMENT	SY	9,492	\$ 14.00	\$ 132,888.00
29	CONSTRUCT CONCRETE SIDEWALK (4")	SY	479	\$ 75.00	\$ 35,925.00
30	CONSTRUCT CONCRETE DRIVEWAY/APRON/SIDEWALK (6")	SY	2,861	\$ 80.00	\$ 228,880.00
31	CONSTRUCT TYPE F CURB AND GUTTER	LF	31	\$ 40.00	\$ 1,240.00
32	CONSTRUCT VALLEY GUTTER	LF	7,459	\$ 40.00	\$ 298,360.00
33	FURNISH AND INSTALL SPEED HUMP	EA	3	\$ 8,000.00	\$ 24,000.00
34	FURNISH AND INSTALL DETECTABLE WARNING MAT	EA	4	\$ 450.00	\$ 1,800.00
35	MILL EXISTING ASPHALT (1-INCH)	SY	2,231	\$ 25.00	\$ 55,775.00
<i>ROAD WORKS AND SIDEWALK SUBTOTAL</i>					<i>\$ 1,175,068.00</i>
MISCELLANEOUS					
36	REPLACE EXISTING SOD	SY	5,327	\$ 11.00	\$ 58,597.00
37	INSTALL PROJECT IDENTIFICATION SIGN	EA	2	\$ 250.00	\$ 500.00
38	REMOVE AND RELOCATE EXISTING MAILBOXES	EA	47	\$ 200.00	\$ 9,400.00
39	TREE REMOVAL AND INSTALLATION (CANOPY TREES)	EA	3	\$ 2,500.00	\$ 7,500.00
40	RELOCATE TREE (PALMS)	EA	53	\$ 550.00	\$ 29,150.00
41	RELOCATE LANDSCAPE FETAURES (HEDGES)	PROP	1	\$ 500.00	\$ 500.00
42	PRESSURE CLEAN EXISTING SIDEWALK	SY	2,633	\$ 3.00	\$ 7,899.00
43	CONTINGENCY/ALLOWANCE EXISTING IRRIGATION SYSTEM RESTORATION	LS	1	\$ 8,000.00	\$ 8,000.00
<i>MISCELLANEOUS SUBTOTAL</i>					<i>\$ 121,546.00</i>
STORM DRAINAGE					
44	FURNISH AND INSTALL TYPE C CURB INLET AND GRATE	EA	22	\$ 6,200.00	\$ 136,400.00
45	FURNISH AND INSTALL 48" DIAMETER ROUND MANHOLE	EA	14	\$ 9,000.00	\$ 126,000.00
46	FURNISH AND INSTALL 60" DIAMETER ROUND MANHOLE	EA	2	\$ 10,500.00	\$ 21,000.00
47	FURNISH AND INSTALL INLET POLLUTION RETARDANT BAFFLES/WEIR	EA	24	\$ 900.00	\$ 21,600.00
48	FURNISH AND INSTALL 18" RCP STORM DRAIN	EA	365	\$ 175.00	\$ 63,875.00
49	FURNISH AND INSTALL 18" RCP SLOTTED STORM DRAIN W/ EXFIL TRENCH	EA	1,867	\$ 275.00	\$ 513,425.00
50	FURNISH AND INSTALL 24" RCP STORM DRAIN	EA	219	\$ 225.00	\$ 49,275.00
51	FURNISH AND INSTALL 24" RCP SLOTTED STORM DRAIN W/ EXFIL TRENCH	EA	623	\$ 325.00	\$ 202,475.00
52	FURNISH AND INSTALL DRAINAGE OUTFALL STRUCTURE	EA	1	\$ 17,500.00	\$ 17,500.00
<i>STORM DRAINAGE SUBTOTAL</i>					<i>\$ 1,151,550.00</i>

SANITARY SEWER

53	LINE EXISTING 8" VCP SANITARY SEWER	LF	3,515	\$	65.00	\$	228,475.00
54	CONTINGENCY/ALLOWANCE FOR 8" VCP SEWER REPAIRS	LF	500	\$	90.00	\$	45,000.00
55	GRAVITY SANITARY SEWER MANHOLE REHABILITATION	EA	16	\$	5,500.00	\$	88,000.00
56	FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE	LF	523	\$	80.00	\$	41,840.00
57	FURNISH AND INSTALL SEWER LATERAL AND CLEANOUT (SINGLE)	EA	4	\$	1,800.00	\$	7,200.00
58	FURNISH AND INSTALL SEWER LATERAL AND CLEANOUT (DOUBLE)	EA	4	\$	2,400.00	\$	9,600.00
59	EXISTING SEWER LATERAL ADJUSTMENT/REPAIR	EA	25	\$	1,800.00	\$	45,000.00
60	BYPASS PUMPING	LS	1	\$	50,000.00	\$	50,000.00
<i>SANITARY SEWER AND WATER MAIN SUBTOTAL</i>							<u>\$ 515,115.00</u>

WATER MAIN

61	FURNISH & INSTALL 6" DIP WATER MAIN PIPE VIA OPEN CUT	LF	4,145	\$	60.00	\$	248,700.00
62	FURNISH & INSTALL 8" DIP WATER MAIN PIPE VIA OPEN CUT	LF	18	\$	65.00	\$	1,170.00
63	FURNISH & INSTALL 1" PE WATER SERVICE IN 2" PVC CASING (SINGLE)	EA	4	\$	2,500.00	\$	10,000.00
64	FURNISH & INSTALL 1.5" PE WATER SERVICE IN 4" PVC CASING (DOUBLE)	EA	57	\$	3,000.00	\$	171,000.00
65	FURNISH & INSTALL DIP PRESSURE MAIN FITTINGS	TN	1.13	\$	10,000.00	\$	11,300.00
66	FURNISH & INSTALL 6" GATE VALVE	EA	13	\$	4,500.00	\$	58,500.00
67	FURNISH & INSTALL FIRE HYDRANT ASSEMBLY	EA	8	\$	5,000.00	\$	40,000.00
68	FURNISH AND INSTALL 12"x 6" TAPPING SLEEVE AND VALVE	EA	3	\$	12,500.00	\$	37,500.00
69	FURNISH AND INSTALL SAMPLE POINT	EA	7	\$	1,000.00	\$	7,000.00
<i>SANITARY SEWER AND WATER MAIN SUBTOTAL</i>							<u>\$ 585,170.00</u>

PROPOSED PAVEMENT MARKING & SIGNING

70	FURNISH AND INSTALL TRAFFIC SIGN (PER POST)	EA	16	\$	550.00	\$	8,800.00
71	RELOCATE EXISTING TRAFFIC SIGN (PER POST)	EA	2	\$	250.00	\$	500.00
72	FURNISH AND INSTALL TRAFFIC SIGN ON EXISTING POST	EA	6	\$	400.00	\$	2,400.00
73	6" SINGLE YELLOW THERMO	LF	2,630	\$	8.00	\$	21,040.00
74	PAVEMENT MARKING LETTERS AND SYMBOLS	EA	14	\$	250.00	\$	3,500.00
75	24" SINGLE WHITE THERMO	LF	85	\$	15.00	\$	1,275.00
<i>PAVEMENT MARKING SUBTOTAL</i>							<u>\$ 25,815.00</u>

CONSTRUCTION SUBTOTAL**\$ 4,873,997**

76	CONTINGENCY (10%)					\$	487,399.70
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TOTAL ESTIMATED COST**\$ 5,361,397****BID ALTERNATE #1: FULL SEWER REPLACEMENT**

A1-1	REMOVE AND DISPOSE OF EXISTING SANITARY SEWER PIPE	LF	5,728	\$	45.00	\$	257,760.00
A1-2	REMOVE AND DISPOSE OF EXISTING SANITARY SEWER MANHOLE	EA	16	\$	2,875.00	\$	46,000.00
A1-3	FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE	LF	3,515	\$	100.00	\$	351,500.00
A1-4	FURNISH AND INSTALL 6" PVC SANITARY SEWER SINGLE LATERAL LONG	EA	2	\$	1,750.00	\$	3,500.00
A1-6	FURNISH AND INSTALL 6" PVC SANITARY SEWER DOUBLE LATERAL LONG	EA	31	\$	2,300.00	\$	71,300.00
A1-7	FURNISH AND INSTALL 6" PVC SANITARY SEWER DOUBLE LATERAL SHORT	EA	27	\$	1,400.00	\$	37,800.00
A1-8	FURNISH AND INSTALL SANITARY SEWER MANHOLE	EA	16	\$	9,800.00	\$	156,800.00
A1-10	LINE EXISTING 8" VCP SANITARY SEWER (CREDIT)	LF	3,515	\$	75.00	\$	(263,625.00)
A1-11	REHABILITATE EXISTING SANITARY SEWER MANHOLE (CREDIT)	EA	16	\$	6,350.00	\$	(101,600.00)

TOTAL ESTIMATED CONSTRUCTION COST (BID ALTERNATE #1)**\$ 559,435.00****BID ALTERNATE #2: FULL SIDEWALK REPLACEMENT**

A2-1	REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK (4")	SY	2,573	\$	10.00	\$	25,730.00
A2-2	REMOVE AND DISPOSE OF EXISTING DRIVEWAY APRON (6") (CONCRETE)	SY	736	\$	11.00	\$	8,096.00
A2-3	CONSTRUCT CONCRETE SIDEWALK (4")	SY	2,573	\$	75.00	\$	192,975.00
A2-4	CONSTRUCT CONCRETE DRIVEWAY/APRON/SIDEWALK (6")	SY	736	\$	80.00	\$	58,880.00
A2-5	PRESSURE CLEAN EXISTING SIDEWALK (CREDIT)	SY	2,633	\$	3.00	\$	(7,899.00)

TOTAL ESTIMATED CONSTRUCTION COST (BID ALTERNATE #2)**\$ 259,754.00****BID ALTERNATE #3: CONCRETE SECTION ILO ASPHALT SECTION**

A3-1	FURNISH AND INSTALL 6" CONCRETE PAVEMENT	SY	9,492	\$	80.00	\$	759,360.00
A3-2	FURNISH AND INSTALL 6" LIMEROCK BASE	SY	9,492	\$	14.00	\$	132,888.00
A3-3	DEDUCT: FURNISH AND INSTALL 8" LIMEROCK BASE	SY	9,492	\$	15.00	\$	(142,380.00)
A3-4	DEDUCT: FURNISH AND PLACE TYPE S-III (1") ASPHALTIC CONCRETE PAVEMENT	SY	9,492	\$	12.00	\$	(113,904.00)
A3-5	DEDUCT: FURNISH AND PLACE TYPE S-I (1-1/2") ASPHALTIC CONCRETE PAVEMENT	SY	9,492	\$	14.00	\$	(132,888.00)

TOTAL ESTIMATED CONSTRUCTION COST (BID ALTERNATE #3)**\$ (123,396.00)**