

ECS



Engineer Controls Systems, Corp.

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(305) 895-0019

Broward Co. CC# 00-1549 - W Florida DBPR CGC 007494

June 27, 2013

Mr. Raymond Nazaire, Project Manager
City of Fort Lauderdale
100 North Andrews Avenue
City of Fort Lauderdale, Florida 33301

RE: Project 11827
2012-2013 Annual Marine Facilities Improvement
Contract
Proposal for Riverwalk North
Work Order # 3

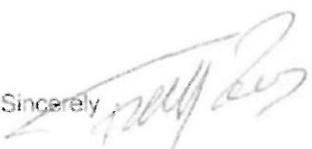
Dear Mr. Nazaire,

Please be advised that Engineer Control Systems, Corp. can perform repairs to the North Riverwalk Area and Dock per our annual contract using the existing bid items as per the attached spreadsheet.

These items represent the work to be performed.

TOTAL \$ 77,818.00

Sincerely,


Frank Zayas, President

C. Angie Zayas, ECS

Project - 11827 2012-2013 Annual Marine Facilities Improvement Contract					
Bid Date September 12, 2012					
Item		Quantity	Unit	Engineer Control Systems Corp Unit Price	Item Total
1	Remove existing timber and/or concrete piling and dispose off the job site	30	EA	\$400.00	\$12,000.00
2	Demolish deteriorated, existing reinforced concrete seawall, including seawall cap, concrete piling	700	CY	\$32.00	\$22,400.00
3	Remove rubble rock seawall including but not limited to removal of concrete cap, any existing toe-wall footing	700	CY	\$47.00	\$32,900.00
4	Remove a section of existing concrete cap up to 36" wide and up to 16" thick	400	SF	\$10.00	\$4,000.00
5	Demolish an existing reinforced concrete structure of any length, up to fourteen (14) inches wide and up to sixteen (16) inches thick	500	LF	\$12.00	\$6,000.00
6	Remove an existing reinforced concrete structure of any length and width and no more than twenty-four (24) inches thick	1000	SF	\$15.00	\$15,000.00
7	Furnish timber marine pile, fourteen-inch (14") tip diameter, and thirty feet (30') long, inspected and certified at plant.	12	EA	\$550.00	\$6,600.00
8	Drive timber marine pile, fourteen-inch (14") tip diameter, thirty-feet (30') long	12	EA	\$700.00	\$8,400.00
9	Furnish timber marine pile, fourteen-inch (14") tip diameter, and forty five feet (45') long, inspected and certified at plant.	12	EA	\$560.00	\$6,720.00
10	Drive timber marine pile, fourteen-inch (14") tip diameter, forty-five feet (45') long	12	EA	\$690.00	\$8,280.00
11	Furnish timber marine pile fourteen-inch (14") tip diameter, sixty feet (60') long, inspected and certified at plant.	20	EA	\$590.00	\$11,800.00
12	Drive timber marine pile fourteen-inch (14") tip diameter, sixty-feet (60') long	20	EA	\$700.00	\$14,000.00
13	Furnish 4-strand twelve inch (12") by twelve-inch (12"), twenty-feet (20') long prestressed concrete pile	20	EA	\$270.00	\$5,400.00
14	Drive twelve inch (12") by twelve-inch (12"), twenty- feet (20') long prestressed concrete vertical pile	20	EA	\$550.00	\$11,000.00
15	Furnish 4-strand twelve-inch (12") by twelve-inch (12"), twenty-five-feet (25') long prestressed concrete pile	20	EA	\$331.00	\$6,620.00
16	Drive twelve-inch (12") by twelve-inch (12"), twenty-five feet (25') long prestressed concrete vertical pile	20	EA	\$525.00	\$10,500.00
17	Drive twelve inch (12") by twelve-inch (12"), twenty-five feet (25') long prestressed concrete batter pile	20	EA	\$522.00	\$10,440.00
18	Furnish 4-strand twelve-inch (12") by twelve-inch (12"), thirty-feet (30') long prestressed concrete pile	20	EA	\$387.00	\$7,740.00
19	Drive twelve-inch (12") by twelve-inch (12"), thirty-feet (30') long prestressed concrete vertical pile	20	EA	\$590.00	\$11,800.00
20	Furnish 8-strand 14" x 14" twenty-feet (20') long prestressed concrete piles	20	EA	\$525.00	\$10,500.00
21	Drive 8-strand 14" x 14" twenty-feet (20') long prestressed concrete vertical piling	20	EA	\$770.00	\$15,400.00
22	Furnish 8-strand 14" x 14" twenty-five feet (25') long prestressed concrete piles	20	EA	\$675.00	\$13,500.00
23	Drive 14" x 14" twenty-five feet (25') long prestressed concrete vertical piling	20	EA	\$720.00	\$14,400.00
24	Drive 14" x 14" twenty-five feet (25') long prestressed concrete batter piling	20	EA	\$730.00	\$14,600.00
25	Install new black synthetic rubber cone pile cap on timber piling	20	EA	\$35.00	\$700.00
26	Install new white synthetic rubber cap, pyramid in shape, on 12" x 12" concrete pile	20	EA	\$45.00	\$900.00
27	Install thirty- (30) mil polyethylene pile wrap, four-feet (4') high	50	EA	\$95.00	\$4,750.00
28	Construct new reinforced concrete panels (L x 8-6" wide x 7-1/2" thick minimum)	200	SF	\$25.00	\$5,000.00
29	Construct a toe-wall footing consisting of five-feet (5') long aluminum sheet piling, topped with 12" of Class "B" concrete seal	700	LF	\$85.00	\$59,500.00
30	construct a toe-wall footing consisting of eight-feet (8') long aluminum sheet piling	200	LF	\$120.00	\$24,000.00
31	Furnish all materials, labor, and equipment to construct a toe-wall footing consisting of five-feet (5') long steel sheet piling	200	LF	\$110.00	\$22,000.00
32	construct toe-wall footing consisting of eight-feet (8') long steel sheets 3/8" thick, topped with 12" of Class "B" concrete seal	200	LF	\$650.00	\$130,000.00

Project - 11827 2012-2013 Annual Marine Facilities Improvement Contract					
Bid Date September 12, 2012					
Bid Item	Quantity	Unit	Engineer Control Systems Corp Unit Price	Item Total	
33	construct 24" wide x 6" thick concrete cap	40	LF	\$45.00	\$1,800.00
34	construct 18" wide x 6" thick concrete cap	40	LF	\$40.00	\$1,600.00
35	construct a new 18" x 12" reinforced cap	10	LF	\$90.00	\$900.00
36	construct a new 30" x 16" reinforced concrete cap	10	LF	\$100.00	\$1,000.00
37	construct 24" wide x 10" thick concrete cap	20	LF	\$70.00	\$1,400.00
38	install three-inch (3") by eight-inch (8"), eight-feet (8') long bolted fender system, including one-half inch (1/2") stainless steel HILTI 316 HVA adhesive anchor system	20	EA	\$195.00	\$3,900.00
39	install three-inch (3") by eight-inch (8") by ten-feet (10') long bolted fender system, including one-half inch (1/2") stainless steel HILTI 316 HVA adhesive anchor system	10	EA	\$243.00	\$2,430.00
40	install a double layer of fender bumper material, manufactured from plasticized PVC with UV inhibitors	150	LF	\$38.00	\$5,700.00
41	install four-inch (4") by four-inch (4") by eight-feet (8') long recycled plastic lumber, aluminum channel backed, bolted fender system, including one-half inch (1/2") stainless steel HILTI 316 HVA adhesive anchor system	5	EA	\$550.00	\$2,750.00
42	install eighteen-inch (18") cleats ductile iron-hot dipped galvanized or approved equal dock cleats	15	EA	\$130.00	\$1,950.00
43	install fifteen-inch (15") cleats ductile iron-hot dipped galvanized or approved equal dock cleats	6	EA	\$95.00	\$570.00
44	using new stainless steel bolts, and stainless steel wedge anchors	6	EA	\$55.00	\$330.00
45	install aluminum ladders according to the dimensions	6	EA	\$300.00	\$1,800.00
46	Re-set existing aluminum ladders	1	EA	\$460.00	\$460.00
47	Repair existing rubble rock seawalls	300	SF	\$7.50	\$2,250.00
48	Seal face of existing rubble rock seawalls	300	SF	\$6.00	\$1,800.00
49	Construct miscellaneous reinforced concrete work	5	CY	\$900.00	\$4,500.00
50	Repair spalled, broken concrete areas, or both with epoxy mortar	10	CF	\$475.00	\$4,750.00
51	Remove existing expansion joint seal on concrete cap	100	LF	\$12.00	\$1,200.00
52	Clean and seal vertical joints in between existing T-piling and concrete panels	100	LF	\$8.00	\$800.00
53	Haul and install one-foot (1') to three-feet (3') average size of riprap rock material	40	TN	\$125.00	\$5,000.00
54	Haul, place, and compact in lifts, clean sandy fill material	100	CY	\$55.00	\$5,500.00
55a	Haul and place St. Augustine "Floritam"	200	SY	\$6.75	\$1,350.00
55b	Haul and place Bahia Sod	400	SY	\$8.75	\$3,500.00
56	Install a turbidity barrier	50	LF	\$20.00	\$1,000.00
57	fully equipped diver (no boat) to perform diving inspection at several locations	30	HR	\$200.00	\$6,000.00
58	fully equipped diver including boat or barge to perform inspection at several locations	30	HR	\$400.00	\$12,000.00
59	Perform semi-annual inspection tasks on all 10 mooring buoys	5	EA	\$1,600.00	\$8,000.00
60 A	Replace anchor eyebolt	4	EA	\$200.00	\$800.00
60 B	Stainless steel shackles	4	EA	\$100.00	\$400.00
60 C	Mooring buoy down line	4	EA	\$200.00	\$800.00
60 D	subs-surface buoy thru line	4	EA	\$40.00	\$160.00
60 E	mooring buoy thru line	4	EA	\$60.00	\$240.00
60 F	buoy pick-up line	4	EA	\$100.00	\$400.00
60 G	mooring buoy	4	EA	\$225.00	\$900.00
60 H	stainless steel swivel	4	EA	\$140.00	\$560.00
61	install two rows of 4 3/8 c 4 3/8 ceramic tile	100	SF	\$10.00	\$1,000.00
62	Install a 12" x 12" precast concrete logo	6	EA	\$165.00	\$990.00
63	Install brick pavers at miscellaneous locations	1000	SF	\$15.00	\$15,000.00
64	Reset existing brick pavers at miscellaneous locations	1000	SF	\$8.90	\$8,900.00
65 A	remove existing and install new 1" plumbing	50	LF	\$9.00	\$450.00
65 B	remove existing and install new 1 1/2" plumbing	50	LF	\$12.00	\$600.00
65 C	remove existing and install new 2" plumbing	50	LF	\$15.00	\$750.00
65 D	remove existing and install new 1" electrical	50	LF	\$12.00	\$600.00
65 E	remove existing and install new 1 1/2" electrical	50	LF	\$13.00	\$650.00
65 F	remove existing and install new 2" electrical	50	LF	\$13.00	\$650.00
65 G	remove existing and install new 2 1/2" fire service	50	LF	\$20.00	\$1,000.00
66	Construct 12" x 12" x 5' reinforced concrete post	10	EA	\$550.00	\$5,500.00
67	Install new 3" x 10" x 10' wooden stringers	10	EA	\$175.00	\$1,750.00
68	Install new 3" x 6" x 4' wooden deck	10	EA	\$34.00	\$340.00

Project - 11827 2012-2013 Annual Marine Facilities Improvement Contract					
Bid Date September 12, 2012					
Item		Quantity	Unit	Unit Price	Item Total
69	install 3" x 6" x 8' wood decking	10	EA	\$68.00	\$680.00
70	Replace damaged white-plastic trash cans	20	EA	\$435.00	\$8,700.00
71	Replace damaged black-metal trash cans	20	EA	\$475.00	\$9,500.00
72a	open cut trenched pipe - 12-15 inches	10	LF	\$269.00	\$2,690.00
72b	open cut trenched pipe - 18 inches	10	LF	\$261.00	\$2,610.00
72c	open cut trenched pipe - 12 x 18 inches	10	LF	\$320.00	\$3,200.00
73a	install aluminum manatee grate 12in	1	EA	\$350.00	\$350.00
73b	install aluminum manatee grate 15in	1	EA	\$480.00	\$480.00
73c	install aluminum manatee grate 18in	1	EA	\$720.00	\$720.00
73d	install aluminum manatee grate 24in	1	EA	\$800.00	\$800.00
74a	install outfall pipe core drill 12in	1	EA	\$360.00	\$360.00
74b	install outfall pipe core drill 15in	1	EA	\$415.00	\$415.00
74c	install outfall pipe core drill 18in	1	EA	\$590.00	\$590.00
74d	install outfall pipe core drill 24in	1	EA	\$675.00	\$675.00
Total Base Bid					\$685,300.00