

Memorandum



Date: May 8, 2018

To: Gary Hartfield, Division Director
Small Business Development

From: Juan Kuryla, Port Director
PortMiami

Subject: Recommendation for Construction Contract Services for SFCT – Cargo Yard
Densification eRTGs Phase I, Contract / Project No. 2017-034

PortMiami respectfully requests that the Division of Small Business Development (SBD) evaluate Project No. 2017-034 – Cargo Yard Densification eRTGs Phase I, to assign Small Business Enterprise (SBE) and Community Workforce Program measures.

Cargo Yard Densification eRTGs: This project consists of infrastructure improvements in an active cargo yard for the use of Electric Rubber Tire Gantries (eRTG). These improvements include, but are not limited to: furnish and installation of concrete runways and turning pads, eRTG high wind/storm tie-downs and associate foundations, pavement, pavement marking and signage, grading and drainage for runways only, and reefer rack structure and foundations. The project also requires construction of two (2) new Florida Power & Light (FPL) vaults, a ductbank from the existing FPL substation to two (2) new FPL vaults, and associated ductbank to new FPL transformers, electrical connections to owner-provided bus bars, and any supportive ancillary tasks to successfully complete all phases of the project.

The construction cost estimate for the project is \$30,208,627.69, which includes 10% contingency.

The SBE goal recommendation for all three (3) measures is 0.00%, due to this project being funded 50% by the Florida Department of Transportation; Grant No. 44061619401 – PortMiami Upland Cargo Improvements.

We appreciate your assistance, in order to proceed with the advertisement and subsequent bidding of the project. Should you have any questions, please feel free to contact Mrs. Gyselle Pino, Chief of Contracts, Procurement & Materials Management at (305) 347-4833.

Attachments

DEPARTMENT INPUT
CONSTRUCTION CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

Check applicable Ordinance(s): ☒ 90-143 Responsible Wage and Benefits ☐ 03-237 (formerly 03-1) Community Workforce Program

PROJECT INFORMATION See attachment ☒

Contract/Project/*Work Order No.: 2017-034

*Reference corresponding project number when submitting a work order

Contract/Project Title: SFCT - Cargo Yard Densification eRTGs Phase I

Description/Scope of Work: See attached

Estimated Cost: \$30,208,627.69

Funding Source: FDOT / Seaport Bonds

Location of Project (street address or beginning and ending points) i.e. 12345 NE 23rd Ct or Starts at 135 St. ends at 145 St.
1015 N. America Way, Miami, FL 33132

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CWP) See attachment ☐

Engineer/Department or Agency's estimated required workforce for Project ☐ Work Order ☐:

Trade/Skills Required	Est. # of workforce required per trade	Est. # of total days to complete job
N/A		

Comments: _____

PROJECT ANALYSIS FOR GOAL RECOMMENDATION (CSBE) See attachment ☐

Sub-Trade	Est. Cost	% of Item to Base Bid	Availability
N/A			

RECOMMENDATION

Set-Aside: Level 1 ☐ Level 2 ☐ Level 3 ☐ Trade Set-Aside ☐ Sub-Contractor Goal ☐ Workforce Goal ☐ No Measure ☒

Basis for Recommendation: No Measure is recommended due to funding source from FDOT.

Date submitted to DBD: _____

Contact Person: Gyselle Pino

Telephone No.: (305) 347-4833

Probable Cost Estimate
Project Name: SFCT - Cargo Yard Densification (eRTGs) Phase I
Project No.: 2017-034

Biditem	Description	Quantity				Units	Unit Price				Bid Total
	PORT OF MIAMI SFTC										
	eRTG DENSIFICATION										
	PHASE ONE	1A	1B	1C	ALL			1A	1B	1C	ALL
	MOB/DEMOB & GENERAL CONDITIONS										
115	Mobilization & Demobilization (3 times)	1	1	1	3.00	EA	57711.3	57711.3	57711.3	57711.3	173133.9
135	Inlet protection, Dtl 1/C-0501	22.00	33.00		55.00	EA	334.6	7360.1	11040.2	0.0	18400.3
140	Enviromental BMP	0.33	0.33	0.33	1.00	LS	20841.8	6947.2	6947.2	6947.2	20841.6
145	Site Maintenance	8.00	6.50	5.50	20.00	MO	8497.1	67977.0	55231.3	46734.2	169942.4
150	Survey Layout	5.00	5.00	5.00	15.00	DA	2038.0	10190.1	10190.1	10190.1	30570.2
155	MOT Install & Removal	0.33	0.33	0.33	1.00	LS	5541.5	1847.1	1847.1	1847.1	5541.4
160	Special Inspection & Testing	0.33	0.33	0.33	1.00	LS	8152.0	2717.3	2717.3	2717.3	8151.9
165	As-Builts, Phase 1A & 1B & 1C	1.00	1.00	1.00	3.00	EA	12228.0	12228.0	12228.0	12228.0	36684.1
195	Payment & Performance Bond 7.5/1000	0.33	0.33	0.33	1.00	LS	230819.5	76939.7	76939.7	76939.7	230819.2
	***Subtotal							243,917.8	234,852.2	215,314.9	694,085.0
	eRTG RUNWAYS (10,878 LF)				10,878.00	LF					
320	Sawcut Asphaltic Concrete (4"), RTG Runway	6462.08	7699.16	7593.80	21,755.04	LF	3.6	23069.6	27486.0	27109.9	77665.5
322	Remove Asphaltic Concrete (4"), RTG Runway	22617.28	26947.06	26578.30	76,142.64	SF	1.5	34378.3	40959.5	40399.0	115736.8
325	Disposal Asphaltic Concrete	279.23	332.68	328.13	940.03	CY	46.9	13087.3	15592.7	15379.3	44059.3
330	Excavation, 7'-0" W x 1'-6" T, RTG Runway	1256.52	1497.06	1476.57	4,230.15	CY	63.4	79700.8	94958.4	93659.0	268318.2
340	Compact sub-base	22617.28	26947.06	26578.30	76,142.64	SF	0.2	4749.6	5658.9	5581.4	15990.0
350	Densified Aggregate Base Course, 6" D	418.84	499.02	492.19	1,410.05	CY	28.9	12083.5	14396.7	14199.7	40679.9
360	Reinforcing Steel	228536.14	272310.76	268559.87	769,406.77	LB	1.3	290240.9	345834.7	341071.0	977146.6
370	Cast-in-Place Concrete, 5,000 psi	1116.87	1330.69	1312.48	3,760.04	CY	253.6	283205.9	337422.0	332804.5	953432.4
380	Expansion Joint, w/ 9 - 1" dia x 3'-0" dowels	40.00	48.00	47.00	135.00	EA	211.6	8462.0	10154.4	9942.9	28559.3
390	Contraction Joint, Sawcut for Formed	2240.00	2660.00	2618.00	7,518.00	LF	7.9	17673.6	20987.4	20656.0	59317.0
	***Subtotal							766,651.5	913,450.7	900,802.7	2,580,905.0
	eRTG TURNING PADS (4)				0.00						
420	Sawcut Asphaltic Concrete (4"), RTG Turning Pad	400.00	800.00	400.00	1,600.00	LF	3.6	1428.0	2856.0	1428.0	5712.0
422	Remove Asphaltic Concrete (4"), RTG Turning Pad	10000.00	20000.00	10000.00	40,000.00	SF	1.5	15200.0	30400.0	15200.0	60800.0
425	Disposal Asphaltic Concrete	123.46	246.91	123.46	493.83	CY	46.9	5786.4	11572.8	5786.4	23145.7
430	Excavation, 100'-0" Square x 1'- T, RTG Turning	555.56	1111.11	555.56	2,222.22	CY	63.4	35238.9	70477.8	35238.9	140955.6
440	Compact sub-base	10000.00	20000.00	10000.00	40,000.00	SF	0.2	2100.0	4200.0	2100.0	8400.0
450	Densified Aggregate Base Course, 6" D	185.19	370.37	185.19	740.74	CY	28.9	5342.6	10685.2	5342.6	21370.4
460	Reinforcing Steel	116446.68	232893.36	116446.68	465,786.72	LB	1.3	147887.3	295774.6	147887.3	591549.1
470	Cast-in-Place Concrete, 5,000 psi	493.81	987.63	493.81	1,975.26	CY	253.6	125216.6	250433.2	125216.6	500866.5
480	Contraction Joint, Sawcut for Formed	1800.00	3600.00	1800.00	7,200.00	LF	7.9	14202.0	28404.0	14202.0	56808.0
	***Subtotal							352,401.8	704,803.6	352,401.8	1,409,607.2
	eRTG CROSSING PADS (7)				7.00	EA					
520	Sawcut Asphaltic Concrete (4"), RTG Crossing Pad	315.51	473.26	473.26	1,262.03	LF	3.6	1126.4	1689.5	1689.5	4505.5
522	Remove Asphaltic Concrete (4"), RTG Crossing Pad	2265.24	3397.86	3397.86	9,060.96	SF	1.5	3443.2	5164.7	5164.7	13772.7
525	Disposal Asphaltic Concrete	27.97	41.95	41.95	111.86	CY	46.9	1310.8	1966.1	1966.1	5243.1
530	Excavation, 18'-8" W x 1'-6" T, RTG Crossing Pad	125.85	188.78	188.78	503.41	CY	63.4	7984.0	11976.0	11976.0	31936.0
533	Remove Chain Link Fence	0.00	0.00	1295.00	1,295.00	LF	6.9	0.0	0.0	8909.6	8909.6
534	Remove and Store Concrete Barriers	0.00	0.00	1200.00	1,200.00	LF	14.9	0.0	0.0	17820.0	17820.0
535	Cap Existing Drainage Well	0.00	1.00	0.00	1.00	EA	5146.2	0.0	5146.2	0.0	5146.2
540	Compact sub-base	2265.24	3397.86	3397.86	9,060.96	SF	0.2	475.7	713.6	713.6	1902.8
550	Densified Aggregate Base Course, 6" D	41.95	62.92	62.92	167.80	CY	28.9	1210.2	1815.3	1815.3	4840.9
560	Reinforcing Steel	19116.51	28674.76	28674.76	76,466.03	LB	1.3	24278.0	36416.9	36416.9	97111.9
570	Cast-in-Place Concrete, 5,000 psi	111.86	167.79	167.79	447.44	CY	253.6	28365.7	42548.5	42548.5	113462.8
575	Expansion Joint, w/ 9 - 1" dia x 3'-0" dowels	8.00	12.00	12.00	32.00	EA	181.7	1453.8	2180.6	2180.6	5815.0
580	Contraction Joint, Sawcut for Formed	264.28	396.42	396.42	1,057.11	LF	7.9	2085.2	3127.7	3127.7	8340.6
	***Subtotal							71,732.8	112,745.4	134,328.8	318,806.9

Biditem	Description	Quantity				Units	Unit Price				Bid Total
	PORT OF MIAMI SFTC										
	eRTG DENSIFICATION										
	PHASE ONE	1A	1B	1C	ALL			1A	1B	1C	ALL
	REEFER RACKS (22)				22.00	EA					
601	Sawcut Asphaltic Concrete (4")	792.00	792.00		1,584.00	FT	3.6	2827.4	2827.4	0.0	5654.9
602	Remove Asphaltic Concrete (4")	12320.00	12320.00		24,640.00	SF	1.5	18726.4	18726.4	0.0	37452.8
604	Disposal Asphaltic Concrete (4")	152.10	152.10	0.00	304.20	CY	54.7	8318.3	8318.3	0.0	16636.6
610	Excavation, Footings	1825.19	1825.19		3,650.37	CY	63.4	115771.5	115771.5	0.0	231543.0
615	Compact Sub Base	12320.00	12320.00		24,640.00	SF	0.2	2587.2	2587.2	0.0	5174.4
620	Backfill, Footings	765.66	765.66		1,531.31	CY	45.0	34462.2	34462.2	0.0	68924.4
622	Aggregate Base, 4"	63.87	63.87		127.73	CY	86.7	5539.7	5539.7	0.0	11079.4
624	Asphaltic Pavement (6")	6520.25	6520.25		13,040.50	SF	4.3	27906.7	27906.7	0.0	55813.3
626	Densified Aggregate Base (6")	120.75	120.75		241.49	CY	28.9	3483.5	3483.5	0.0	6967.0
628	Reinforcing Steel; Footing, Pedestal, Slab	55792.65	55792.65		111,585.29	LB	1.3	70856.7	70856.7	0.0	141713.3
630	Cast In Place Concrete, 5000 psi	447.94	447.94		895.88	CY	524.7	235012.6	235012.6	0.0	470025.2
650	Structural Steel, Galvanized	507968.98	507968.98		1,015,937.95	LB	3.4	1727094.5	1727094.5	0.0	3454189.0
660	Grating, Floor, Steel, Galvaninzed	15015.48	15015.48		30,030.96	SF	12.5	187693.5	187693.5	0.0	375387.0
670	Roof Deck, Steel, Galvalume	4455.00	4455.00		8,910.00	SF	25.2	112266.0	112266.0	0.0	224532.0
680	Handrail, Type 1	1270.50	1270.50		2,541.00	LF	88.3	112197.9	112197.9	0.0	224395.7
690	Handrail, Type 2	3564.00	3564.00		7,128.00	LF	97.8	348630.5	348630.5	0.0	697261.0
700	Handrail, Type 3	33.00	33.00		66.00	LF	67.9	2241.7	2241.7	0.0	4483.4
710	Handrail, Type 4	495.00	495.00		990.00	LF	97.8	48420.9	48420.9	0.0	96841.8
720	Handrail, Type 5	623.70	623.70		1,247.40	LF	64.5	40253.6	40253.6	0.0	80507.2
730	Handrail, Stair	1049.41	1049.41		2,098.81	LF	67.9	71286.1	71286.1	0.0	142572.2
740	Access Gate	11.00	11.00		22.00	EA	6453.7	70990.6	70990.6	0.0	141981.2
	***Subtotal							3,246,567.4	3,246,567.4	0.0	6,493,134.8
	DRAINAGE IMPROVEMENTS				0.00						
802	Remove 12" Pipe Bollards at HML	20.00	16.00	8.00	44.00	EA	1012.6	20252.8	16202.2	8101.1	44556.2
803	Remove Concrete Curb and Sidewalk	352.00	596.00	0.00	948.00	LF	47.0	16544.0	28012.0	0.0	44556.0
805	Remove Catch Basin and Backfill	12.00	6.00	6.00	24.00	EA	2227.8	26733.7	13366.9	13366.9	53467.4
806	Grout Existing Pipe, 24" RCP	758.00	367.00	367.00	1,492.00	LF	65.6	49717.2	24071.5	24071.5	97860.3
810	Remove and Replace Existing Well Structure	5.00	3.00	2.00	10.00	EA	7268.9	36344.5	21806.7	14537.8	72688.9
820	Drainage Well	2.00	2.00	2.00	6.00	EA	87226.7	174453.4	174453.4	174453.4	523360.3
830	Storm Drainage Inlet	7.00	7.00	8.00	22.00	EA	2435.1	17045.6	17045.6	19480.6	53571.8
840	Storm Drainage Manhole	2.00	0.00	0.00	2.00	EA	14174.3	28348.7	0.0	0.0	28348.7
860	Reinforced Concrete Pipe (RCP), 24 in	676.00	698.00	734.00	2,108.00	LF	101.7	68715.4	70951.7	74611.1	214278.2
862	Exfiltration Trench, 4'-6" W x 3'-0" H w/ #4 Coarse Aggregate, and Filter Fabric Envelope	1065.00	467.00	467.00	1,999.00	LF	443.2	472029.3	206983.7	206983.7	885996.8
865	Temporary Sheet Pile/Shoring	1352.00	1796.00	734.00	3,882.00	LF	159.9	216211.8	287216.3	117381.3	620809.4
869	Sawcut Asphaltic Pavement (4")	1352.00	1796.00	734.00	3,882.00	LF	3.6	4840.2	6429.7	2627.7	13897.6
870	Removal Asphaltic Pavement (4")	1690.00	2245.00	917.50	4,852.50	SF	1.5	2568.8	3412.4	1394.6	7375.8
871	Disposal Asphaltic Concrete	20.86	27.72	11.33	59.91	CY	46.9	978.9	1300.4	531.5	2810.9
872	Excavation	2253.33	2993.33	1223.33	6,470.00	CY	63.5	143064.1	190046.7	77669.4	410780.3
874	Backfill	2174.72	2888.90	1180.65	6,244.27	CY	24.6	53541.5	71124.7	29067.7	153733.9
875	Densified Aggregate Base Course, 8"	250.37	332.59	135.93	718.89	CY	28.9	7230.7	9605.3	3925.5	20761.5
876	#57 Ballast Rock, 12", Below structure	1001.48	1330.37	543.70	2,875.56	CY	46.2	46258.4	61449.8	25113.7	132821.9
880	Baffle Box with Well	4.00	1.00	2.00	7.00	LS	20398.1	81592.5	20398.1	40796.2	142786.8
882	Baffle Box without Well	2.00	0.00	2.00	4.00	LS	13598.8	27197.5	0.0	27197.5	54395.0
883	Baffle Box with Catch Basin and Well	1.00	3.00	2.00	6.00		24035.8				
900	Fire Hydrant, Relocated	1.00	3.00	1.00	5.00	EA	3331.7	3331.7	9995.1	3331.7	16658.5
910	Water Line, 6" DIP	10.00	59.00	13.00	82.00	LF	298.7	2986.6	17620.9	3882.6	24490.1
920	Bollards	2.00	2.00	1.00	5.00	EA	1637.0	3273.9	3273.9	1637.0	8184.8
	***Subtotal							1,503,261.3	1,254,767.2	870,162.6	3,628,191.0
	MOT				0.00						
1005	Chain Link Fence, Work Area, Phase 1A	3195.00			3,195.00	LF	7.7	24537.6	0.0	0.0	24537.6
1010	Concrete Barrier, Work Area, Phase 1A	3195.00			3,195.00	LF	8.7	27796.5	0.0	0.0	27796.5
1015	Chain Link Fence, Work Area, Phase 1B		3440.00		3,440.00	LF	7.7	0.0	26419.2	0.0	26419.2
1020	Concrete Barrier, Work Area, Phase 1B		3440.00		3,440.00	LF	8.7	0.0	29928.0	0.0	29928.0
1025	Chain Link Fence, Work Area, Phase 1C			1900.00	1,900.00	LF	7.7	0.0	0.0	14592.0	14592.0
1030	Concrete Barrier, Work Area, Phase 1C			1900.00	1,900.00	LF	8.7	0.0	0.0	16530.0	16530.0
	***Subtotal							52,334.1	56,347.2	31,122.0	139,803.3

Biditem	Description	Quantity				Units	Unit Price				Bid Total
	PORT OF MIAMI SFTC										
	eRTG DENSIFICATION										
	PHASE ONE	1A	1B	1C	ALL			1A	1B	1C	ALL
	BUS BAR SUPPORT POST FOUNDATION				0.00						
1104	Sawcut Asphaltic Concrete (4"), Along Bus Bars	1570.47	1156.74	1155.41	3,882.63	LF	3.6	5606.6	4129.6	4124.8	13861.0
1105	Remove Asphaltic Concrete (4"), Along Bus Bars	7612.72	5594.67	5588.19	18,795.58	SF	1.5	11571.3	8503.9	8494.0	28569.3
1106	Disposal Asphaltic Concrete	93.98	69.07	68.99	232.04	CY	46.9	4405.0	3237.3	3233.6	10875.9
1107	Excavation, 3'-0" W x 1'-0" T, Bus Bars	173.41	127.44	127.30	428.15		63.4	10999.6	8083.7	8074.4	
1140	Compact sub-base	4682.16	3440.97	3436.98	11,560.11	SF	0.2	983.3	722.6	721.8	2427.6
1150	Reinforcing Steel	29151.13	21423.48	21398.64	71,973.24	LB	1.3	37021.9	27207.8	27176.3	91406.0
1160	Cast-in-Place Concrete, 5,000 psi	404.63	297.36	297.02	999.01	CY	253.6	102600.8	75402.5	75315.0	253318.4
1170	Expansion Joint, w/ 4 - 1" dia x 3'-0" dowels	19.00	14.00	14.00	47.00	EA	94.0	1786.4	1316.3	1316.3	4418.9
1180	Contraction Joint, Sawcut for Formed	411.00	300.00	300.00	1,011.00	LF	7.9	3242.8	2367.0	2367.0	7976.8
	***Subtotal							178,217.8	130,970.7	130,823.1	412,853.9
	MODIFICATIONS AT HIGH MAST LIGHTS (11)				11.00	EA					
1308	Asphaltic Concrete Sawcut, 4" D, for Barrier	411.00	300.00	300.00	1,011.00	LF	3.6	1467.3	1071.0	1071.0	3609.3
1310	RemovaAsphaltic Concrete Sawcut, 4" D, for Barrier				0.00	SF	1.5	0.0	0.0	0.0	0.0
1315	Disposal Asphaltic Concrete	5.41	4.23	2.09	11.74	CY	46.9	253.7	198.4	98.0	550.1
1320	Excavation, for Barrier	156.19	124.95	62.48	343.62	CY	63.4	9907.3	7925.8	3962.9	21796.0
1330	Densified Aggregate Base Course, 8"	36.78	29.42	14.71	80.92	CY	28.9	1061.1	848.9	424.4	2334.4
1340	Backfill, for Barrier	124.78	99.82	49.91	274.51	CY	45.0	5616.2	4492.9	2246.5	12355.6
1350	Concrete Barrier, FDOT 38" Height, Rear-Flush Sect	275.00	220.00	110.00	605.00	LF	130.8	35981.0	28784.8	14392.4	79158.2
	***Subtotal							54,286.5	43,321.9	22,195.2	119,803.6
	ASPHALTIC CONCRETE PAVEMENT & GRADING				0.00						
2010	Mill & Overlay 1.5"x16'-4" W Truck Loading Lane	25815.11	30866.51	31661.29	88,342.90	SF	1.9	49823.2	59572.4	61106.3	170501.8
2020	Sawcut Asphaltic Pavement (4")	840.00	1486.00		2,326.00	LF	3.6	2998.8	5305.0	0.0	8303.8
2022	Remove Asphaltic Pavement (4")	44000.00	63350.00		107,350.00	SF	1.5	66880.0	96292.0	0.0	163172.0
2030	Disposal Asphaltic Pavement (4")	543.21	782.10	0.00	1,325.31	CY	54.7	29708.1	42773.0	0.0	72481.1
2040	Densified Aggregate Base Couse	706.18	547.48		1,253.67	CY	28.9	20373.4	15794.9	0.0	36168.3
2050	Asphaltic Pavement (6")	44000.00	63350.00		107,350.00	SF	4.3	188320.0	271138.0	0.0	459458.0
2060	Mill and Overlay 1.5 x 2'-0"W	1680.00	2972.00		4,652.00	SF	1.8	2973.6	5260.4	0.0	8234.0
	***Subtotal							361,077.1	496,135.7	61,106.3	918,319.1
	PAVEMENT MARKINGS				0.00						
2110	STOP, White	4.00	9.50	5.50	19.00	EA	645.4	2581.5	6131.0	3549.5	12262.0
2120	SLOW, White	2.00	0.00	0.00	2.00	EA	645.4	1290.7	0.0	0.0	1290.7
2130	ARROW - through, White	37.00	46.50	30.50	114.00	EA	645.4	23878.7	30009.7	19683.8	73572.2
2140	ARROW - turn, Whie	1.00	0.00	0.00	1.00	EA	645.4	645.4	0.0	0.0	645.4
2150	Stop Bar, 24"x12'-0" White	2.00	9.50	5.50	17.00	EA	424.9	849.9	4036.9	2337.2	7224.0
2160	Stop Line , 6" White x 100' L	0.00	150.00	50.00	200.00	LF	0.7	0.0	102.0	34.0	136.0
2170	Yield Line Line Marking, 10 EA triangles per Lane,	60.00	390.00	110.00	560.00	EA	77.4	4646.4	30201.6	8518.4	43366.4
2180	Shoulder Marking 6" Cont x 2 W 18" Diag @ 10" oc	2500.00	1780.00	500.00	4,780.00	LF	3.0	7375.0	5251.0	1475.0	14101.0
2190	Double Solid Line, 6" Yellow	1250.00	890.00	250.00	2,390.00	LF	9.0	11212.5	7983.3	2242.5	21438.3
2200	10' - 30' Solid Skip Line, 6" White	280.00	1780.00	500.00	2,560.00	LF	9.0	2511.6	15966.6	4485.0	22963.2
	***Subtotal							54,991.7	99,682.2	42,325.4	196,999.2
	STACK MARKINGS				0.00						
2310	Container Space Layout	276.00	312.00	468.00	1,056.00	EA	38.6	10653.6	12043.2	18064.8	40761.6
2320	Reefer Stack Space Layout	66.00	66.00	0.00	132.00	EA	38.6	2547.6	2547.6	0.0	5095.2
2330	Block Number	4.00	6.00	6.00	16.00	EA	77.4	309.8	464.6	464.6	1239.0
2340	Column Number	57.00	63.00	78.00	198.00	EA	77.4	4414.1	4878.7	6040.3	15333.1
2350	Row Letter	12.00	18.00	18.00	48.00	EA	77.4	929.3	1393.9	1393.9	3717.1
2360	Bypass Lane, Solid Edge Line, , Both Sides	3321.04	2673.96	2771.28	8,766.28	LF	0.7	2258.3	1818.3	1884.5	5961.1
2370	Loading Lane, Solid Edge Line, 6" White, Both Side	3321.04	4259.58	3956.90	11,537.52	LF	0.7	2258.3	2896.5	2690.7	7845.5
2380	RTG Runway Track Solid Edge Line, 6"	1650.52	1839.79	1938.45	5,428.76	LF	0.7	1122.4	1251.1	1318.1	3691.6
2390	RTG Runway Track Marking, Dbl 6" Cont Edge w/ 6" D	4971.56	6099.37	5895.35	16,966.28	LF	3.0	14666.1	17993.1	17391.3	50050.5
	***Subtotal							39,159.4	45,287.1	49,248.3	133,694.7
	ELECTRICAL WORKS				0.00						
4110	FPL furnished cable installation	23887.57	12662.43	0.00	36,550.00	LF	7.0	167451.9	88763.6	0.0	256215.5
4120	Demo	0.65	0.33	0.02	1.00	LS	101921.5	66617.2	33286.9	2017.4	101921.5
4130	Ductbanks	6578.91	3421.09	0.00	10,000.00	LF	224.7	1478543.5	768856.5	0.0	2247400.0
4135	Vaults	14.00	7.00	0.00	21.00	EA	13220.6	185088.7	92544.3	0.0	277633.0

Biditem	Description	Quantity				Units	Unit Price				Bid Total
	PORT OF MIAMI SFTC										
	eRTG DENSIFICATION										
	PHASE ONE	1A	1B	1C	ALL			1A	1B	1C	ALL
4140	Low Voltage Circuit (Conduit, Wire and Handholes)	0.31	0.39	0.30	1.00	LS	1478319.9	463234.6	570636.2	444449.0	1478319.9
4150	Grounding	0.44	0.37	0.19	1.00	LS	124457.0	55081.8	46172.0	23203.3	124457.0
4160	Switchboards	3.50	3.50	0.00	7.00	EA	85325.0	298637.4	298637.4	0.0	597274.9
4170	Reefer Lightning Receptacles	0.50	0.50	0.00	1.00	LS	2652687.7	1326343.8	1326343.8	0.0	2652687.7
4180	Reconnect equipment, lighting, feeders	0.98	0.02	0.00	1.00	LS	1578268.1	1542505.2	35762.9	0.0	1578268.1
4190	Panelboards and transformers	0.80	0.20	0.00	1.00	LS	12693.1	10154.5	2538.6	0.0	12693.1
4200	Lighting Protection	1.00	0.00	0.00	1.00	LS	96453.5	96453.5	0.0	0.0	96453.5
4210	Misc electrical	0.33	0.33	0.33	1.00	LS	143710.8	47903.6	47903.6	47903.6	143710.8
	***Subtotal							5,738,015.7	3,311,445.9	517,573.3	9,567,034.9
4950	No. 3A - FPL Vault	3000.00			3,000.00	SF	169.8	509490.0	0.0	0.0	509490.0
4960	No. 4 - FPL Vault	2000.00			2,000.00	SF	169.8	339660.0	0.0	0.0	339660.0
	***Subtotal							849,150.0	0.0	0.0	849,150.0
	***Total Base Bid							13,511,765.0	10,650,377.2	3,327,404.3	27,462,388.81
8500	Construction Project Contingency 10%										\$2,746,238.88
	Bid Total										30,208,627.69
										Permits 3%	\$ 823,871.66
										Grand Total	\$ 31,032,499.35