



Carnahan, Proctor and Cross, Inc.

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CPC Auth. No. 00002936

ENGINEERS OPINION OF PROBABLE COST - CONSTRUCTION COST

Project Name: Sample Road - From Lyons Road to Turnpike (includes Shared Use Path, Lighting, landscaping, Transit Amenities). Includes Tie in to Tradewinds Park Pedestrian Path.		Project Number: 181201			
Pay Item Number	Pay Item Description	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost
101-1	MAINTENANCE OF TRAFFIC	1.00	LS	\$ 154,165.69	\$ 154,165.69
102-1	MOBILIZATION	1.00	LS	\$ 246,665.11	\$ 246,665.11
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	10,900	LF	\$ 9.28	\$ 101,152.00
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	500	LF	\$ 16.96	\$ 8,480.00
635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	275	EA	\$ 668.74	\$ 183,903.50
639-1-121	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER FURNISHED BY POWER COMPANY	4	AS	\$ 3,889.99	\$ 15,559.96
639-2-1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	182	LF	\$ 7.30	\$ 1,328.60
639-3-12	ELECTRICAL SERVICE DISCONNECT, F&I, CABINET	4	EA	\$ 1,710.22	\$ 6,840.88
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8 TO NO. 6	10000	LF	\$ 1.54	\$ 15,400.00
715-7-11	LOAD CENTER, F&I, SECONDARY VOLTAGE (120-240V, 1 PHASE)	4	EA	\$ 15,630.13	\$ 62,520.52
715-516-112	DECORATIVE LIGHT POLE, COMPLETE FOUNDATION (F&I), POST TOP MOUNT FIXTURE, 12 FT. MOUNTING HEIGHT (WIND SPEED 160 MPH)	250	EA	\$ 4,500.00	\$ 1,125,000.00
715-500-1	POLE CABLE DISTRIBUTION SYSTEM	250	EA	\$ 562.84	\$ 140,710.00
0522 2	Concrete Sidewalk and Driveways 6" Thick (Stamped Concrete)	12,222	SY	\$ 77.00	\$ 941,111.11
0527 2	Detectable Warnings	200	SF	\$ 27.53	\$ 5,506.00
570 1 2	Landscaping w/Transit Amenities	1	LS	\$ 100,000.00	\$ 100,000.00
	Earthwork	25000	CY	\$ 2.50	\$ 62,500.00
	Drainage adjustments	3	EA	\$ 1,000.00	\$ 3,000.00
	Utilities relocation	3	EA	\$ 10,000.00	\$ 30,000.00
	Contingency (10%)	1	10%	\$ 280,301.26	\$ 280,301.26
Engineer of Record: Mohan Gopalakrishna, PE, PTOE. PE Number: 60720				TOTAL COST	\$ 3,484,144.63
Date: 4/8/2021					

DESIGN PLANS UPDATE, POST DESIGN AND CEI SERVICES

Project Name: Sample Road		Project Number: 181201			
Tasks	Task Description	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost
1	CALCS, LIGHTING PLANS, 12' SHARED USE PATHWAY DESIGN/HARDSCAPE PLANS, DRAINAGE, LANDSCAPE, SURVEY, TRANSIT STOPS DESIGN, BENCHES, MEETINGS (STAKEHOLDER, AGENCIES, ETC.), GEOTECH (15' SPT) AND REPORT, SUB SURFACE UTILITY EXPLORATION (SUE) AND VVH REPORT. SPREAD FOOTER ANTICIPATED (2 DESIGNS), BIDDING ASSISTANCE, UTILITY COORDINATION, PUBLIC INVOLVEMENT ACTIVITIES)	1	LS	\$ 340,900.00	\$ 340,900.00
2	CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI)	1	LS	\$ 336,361.51	\$ 336,361.51
3	POST DESIGN SERVICES (SHOP DWG, RFI'S, MEETINGS, LAP & OTHER CERTIFICATIONS)	1	Ls	\$ 140,150.63	\$ 140,150.63
Engineer of Record: Mohan Gopalakrishna, PE, PTOE. PE Number: 60720				TOTAL COST	\$ 817,412.14
Date: 4/8/2021					

CONSTRUCTION COST + DESIGN PLANS UPDATE, POST DESIGN + CEI SERVICES **GRAND TOTAL \$ 4,301,556.76**

* BREAKUP OF TASK 1 ESTIMATE - LIGHTING ANALYSIS/PLANS/ELECTRICAL CALCULATIONS (INCL COORD W/MANUFACTURER, SPECIAL LIGHT POLE DESIGN, SPECS PREPARATION, ETC.) W/UTILITY COORD - SHARED USE PATHWAY AND INSIDE TRADEWINDS PARK (\$60,000), BIDDING ASSISTANCE/PERMITTING WITH FDOT AND BROWARD COUNTY (\$20,000), SPREAD FOOTER DESIGN (2 designs, \$2,000), Project Management Support - \$9,000, MEETINGS (10 meetings @ \$420 per meeting = \$4,200), PUBLIC INVOLVEMENT and PRESENTATIONS (4 meetings @2,000 per meeting = \$8,000. SUE FOR LIGHT POLES (250 poles, 100 X cuts & 150 designates) - \$110,600, GEOTECH BORINGS/REPORT (11) -\$12,100, SURVEY ALONG SAMPLE ROAD AND INSIDE TRADEWINDS PARK - \$15,000, SHARED USE PATH DESIGN/LANDSCAPE/HARDSCAPE, DRAINAGE, TRANSIT AMENITIES/COORDINATION - \$60,000, TRADEWINDS PARK ENTRANCE ENHANCEMENT DESIGN +CONNECTION WITH PEDESTRIAN CONNECTION INTO PARKWAY -