



Calvin, Giordano & Associates, Inc.

EXCEPTIONAL SOLUTIONS™

560 Village Boulevard · Suite 340 · West Palm Beach, FL 33409
Phone: 561.684.6161 · Fax: 561.684.6360

ENGINEER'S OPINION
OF PROBABLE COST
WORKSHEET

DATE
2/3/2017

PROJECT TITLE				CG&A PROJECT NO.	
MPO Grants - Lindell Boulevard/SW 10th Avenue				16-8860	
Conceptual Cost Estimate					
LOCATION					
Lindell Boulevard/SW 10th Avenue From Federal Highway to Linton Boulevard					
OWNER					
City of Delray Beach					
ESTIMATED BY LR/MM/ED			CHECKED BY		APPROVED BY PAF/TC/MD
ITEM					
NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	GENERAL ITEMS				
1	Mobilization (5%)	1	LS	\$419,784.13	\$419,784.13
2	Maintenance of Traffic (5%)	1	LS	\$419,784.13	\$419,784.13
3	As-Built Record Drawings	1	LS	\$2,000.00	\$2,000.00
4	NPDES Permit/Erosion Control (2.5%)	1	LS	\$209,892.07	\$209,892.07
5	Indemnification	1	LS	\$10.00	\$10.00
6	Project Identification Sign (1 Total)	1	LS	\$1,200.00	\$1,200.00
				SUBTOTAL	\$1,052,670.33
	DEMOLITION				
7	Clearing and Grubbing (5%)	1	LS	\$419,784.13	\$419,784.13
				SUBTOTAL	\$419,784.13
	ON-SITE ITEMS				
8	Regular Excavation	13,315	CY	\$11.01	\$146,596.11
9	Embankment	13,315	CY	\$16.56	\$220,493.33
10	Swale Grading and Sodding	0	SY	\$7.98	\$0.00
11	Mill Existing Asphalt Pavement (1" Min. Depth)	25,262	SY	\$12.32	\$311,230.58
12	Asphalt Level & Overbuild	69	TN	\$271.34	\$18,850.29
13	1" Asphaltic Concrete Type S-III (Widening + Resurfacing)	2,143	TN	\$157.60	\$337,705.28
14	1-1/2" Asphaltic Concrete Type S-III (Widening+Pathway)	64	TN	\$157.60	\$10,114.42
15	8" Limerock Base	802	SY	\$28.96	\$23,232.36
16	6" Limerock Base	9,417	SY	\$21.72	\$204,542.07
16	4" Limerock Curb Pad	2,004	SY	\$15.46	\$30,981.84
17	12" Stabilized Subgrade	10,219	SY	\$6.72	\$68,674.67
18	4" Stabilized Shoulder	5,604	SY	\$2.22	\$12,428.42
19	Type F Curb & Gutter	3,006	LF	\$33.47	\$100,610.82
20	Type D Curb	2,310	LF	\$29.47	\$68,075.70
21	Traffic Separator - 4 Foot Wide	700	LF	\$45.00	\$31,500.00
22	Permeable Concrete Pathways (6" Thick)	9,417	SY	\$77.12	\$726,256.18
23	Paver Driveways	10	SY	\$100.00	\$1,000.00
24	Concrete Driveways (6" Thick)	170	SY	\$77.12	\$13,110.40
				SUBTOTAL	\$2,325,402.45



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ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT	
UTILITIES ITEMS						
25	Utility Adjustments	1	LS	\$956,100.00	\$956,100.00	
				SUBTOTAL	\$956,100.00	
DRAINAGE ITEMS						
26	18" RCP	1,373	LF	\$108.33	\$148,737.09	
27	24" RCP	5,141	LF	\$130.00	\$668,330.00	
28	Inlets, Curb, Type P-9, (<10') or Inlets, Ditch Bottom, Type C	38	EA	\$8,450.00	\$321,100.00	
29	Manhole, Type P-8 (<10')	21	EA	\$6,500.00	\$136,500.00	
30	Canal Crossing	0	LS	\$100,000.00	\$0.00	
26	Miscellaneous Drainage Improvements	1	LS	\$637,400.00	\$637,400.00	
				SUBTOTAL	\$1,912,067.09	
SIGNING AND PAVEMENT MARKING						
27	SIGNING AND PAVEMENT MARKING	1	LS	\$232,600.00	\$ 232,600.00	
				SUBTOTAL	\$232,600.00	
LANDSCAPING AND IRRIGATION						
28	Landscape and Irrigation (Complete)	1	LS	\$239,775.00	\$239,775.00	
				SUBTOTAL	\$239,775.00	
ELECTRICAL ITEMS						
29	100 Watt X 2 LED Luminaire (double-head) and Pole	182	EA	\$9,610.34	\$1,749,081.88	
30	Pull Boxes	182	EA	\$125.00	\$22,750.00	
31	Conduit, F&I, 2" PVC	21,570	LF	\$14.30	\$308,451.00	
32	Conductors	61,116	LF	\$2.20	\$134,455.20	
				SUBTOTAL	\$2,214,738.08	
ALLOWANCES						
33	Professional Video Allowance	1	LS	\$15,000.00	\$15,000.00	
34	Unforeseen Conditions Allowance	1	LS	\$500,000.00	\$500,000.00	
				SUBTOTAL	\$515,000.00	
				GRAND SUBTOTAL	\$9,868,137.08	
				Contingency @10%	\$986,813.71	
				GRAND TOTAL	\$10,854,950.79	