



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 - Linton Boulevard				16-8860	
Conceptual Cost Estimate					
LOCATION					
Linton Boulevard Federal Highway to A-1-A					
OWNER					
City of Delray Beach					
ESTIMATED BY			CHECKED BY		APPROVED BY
LR/MM/ED					PAF/TC/MD
ITEM					
NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE MAT. & LAB	ESTIMATED AMOUNT
	GENERAL ITEMS				
1	Mobilization (5%)	1	LS	\$138,597.83	\$138,597.83
2	Maintenance of Traffic (5%)	1	LS	\$138,597.83	\$138,597.83
3	As-Built Record Drawings	1	LS	\$2,000.00	\$2,000.00
4	NPDES Permit/Erosion Control (2.5%)	1	LS	\$69,298.92	\$69,298.92
5	Indemnification	1	LS	\$10.00	\$10.00
6	Project Identification Sign (1 Total)	1	LS	\$1,200.00	\$1,200.00
				SUBTOTAL	\$349,704.58
	DEMOLITION				
7	Clearing and Grubbing (5%)	1	LS	\$138,597.83	\$138,597.83
				SUBTOTAL	\$138,597.83
	ON-SITE ITEMS				
8	Regular Excavation	3,333	CY	\$11.01	\$36,700.00
9	Embankment	3,333	CY	\$16.56	\$55,200.00
10	Swale Grading and Sodding	0	SY	\$7.98	\$0.00
11	Mill Existing Asphalt Pavement (1" Min. Depth)	9,667	SY	\$12.32	\$119,093.33
12	Asphalt Level & Overbuild	27	TN	\$271.34	\$7,213.12
13	1" Asphaltic Concrete Type S-III (Widening + Resurfacing)	756	TN	\$157.60	\$119,093.07
14	1-1/2" Asphaltic Concrete Type S-III (Widening+Pathway)	37	TN	\$157.60	\$5,883.73
15	8" Limerock Base	467	SY	\$28.96	\$13,514.67
16	6" Limerock Base	2,800	SY	\$21.72	\$60,816.00
16	4" Limerock Curb Pad	3,600	SY	\$15.46	\$55,656.00
17	12" Stabilized Subgrade	3,267	SY	\$6.72	\$21,952.00
18	4" Stabilized Shoulder	0	SY	\$2.22	\$0.00
19	Type F Curb & Gutter	5,400	LF	\$33.47	\$180,738.00
20	Type D Curb	3,600	LF	\$29.47	\$106,092.00
21	Traffic Separator - 4 Foot Wide	600	LF	\$45.00	\$27,000.00
22	Permeable Concrete Pathways (6" Thick)	2,800	SY	\$77.12	\$215,936.00
23	Bridge Improvements for bicycle accssibility	1	LS	\$50,000.00	\$50,000.00
24	Concrete Barrier Walls	50	LF	\$500.00	\$25,000.00
				SUBTOTAL	\$1,099,887.92



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UTILITIES ITEMS					
25	Utility Adjustments	1	LS	\$168,400.00	\$168,400.00
				SUBTOTAL	\$168,400.00
DRAINAGE ITEMS					
26	18" RCP	480	LF	\$108.33	\$51,998.40
27	24" RCP	0	LF	\$130.00	\$0.00
28	Inlets, Curb, Type P-9, (<10') or Inlets, Ditch Bottom, Type C	12	EA	\$8,450.00	\$101,400.00
29	Manhole, Type P-8 (<10')	6	EA	\$6,500.00	\$39,000.00
30	Canal Crossing	0	LS	\$100,000.00	\$0.00
26	Miscellaneous Drainage Improvements	1	LS	\$144,300.00	\$144,300.00
				SUBTOTAL	\$336,698.40
SIGNING AND PAVEMENT MARKING					
27	SIGNING AND PAVEMENT MARKING	1	LS	\$110,000.00	\$110,000.00
				SUBTOTAL	\$110,000.00
LANDSCAPING AND IRRIGATION					
28	Landscape and Irrigation (Complete)	1	LS	\$303,000.00	\$303,000.00
				SUBTOTAL	\$303,000.00
ELECTRICAL ITEMS					
29	100 Watt X 2 LED Luminaire (double-head) and Pole	45	EA	\$9,610.34	\$432,465.30
30	Pull Boxes	45	EA	\$125.00	\$5,625.00
31	Conduit, F&I, 2" PVC	5,400	LF	\$14.30	\$77,220.00
32	Conductors	15,300	LF	\$2.20	\$33,660.00
				SUBTOTAL	\$548,970.30
ALLOWANCES					
33	Professional Video Allowance	1	LS	\$5,000.00	\$5,000.00
34	Unforeseen Conditions Allowance	1	LS	\$200,000.00	\$200,000.00
				SUBTOTAL	\$205,000.00
				GRAND SUBTOTAL	\$3,260,259.03
				Contingency @10%	\$326,025.90
				GRAND TOTAL	\$3,586,284.93