



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 - The Loop				16-8860	
Conceptual Cost Estimate					
LOCATION					
The Loop					
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	\$87,394.12	\$87,394.12
2	Maintenance of Traffic (5%)	1	LS	\$87,394.12	\$87,394.12
3	As-Built Record Drawings	1	LS	\$2,000.00	\$2,000.00
4	NPDES Permit/Erosion Control (2.5%)	1	LS	\$43,697.06	\$43,697.06
5	Indemnification	1	LS	\$10.00	\$10.00
6	Project Identification Sign (1 Total)	1	LS	\$1,200.00	\$1,200.00
				SUBTOTAL	\$221,695.30
	DEMOLITION				
7	Clearing and Grubbing (5%)	1	LS	\$87,394.12	\$87,394.12
				SUBTOTAL	\$87,394.12
	ON-SITE ITEMS				
8	Regular Excavation	3,120	CY	\$11.01	\$34,355.28
9	Embankment	3,120	CY	\$16.56	\$51,673.33
10	Swale Grading and Sodding	0	SY	\$7.98	\$0.00
11	Mill Existing Asphalt Pavement (1" Min. Depth)	3,744	SY	\$12.32	\$46,131.56
12	Asphalt Level & Overbuild	10	TN	\$271.34	\$2,794.05
13	1" Asphaltic Concrete Type S-III (Widening + Resurfacing)	386	TN	\$157.60	\$60,782.82
14	1-1/2" Asphaltic Concrete Type S-III (Widening+Pathway)	0	TN	\$157.60	\$0.00
15	8" Limerock Base	0	SY	\$28.96	\$0.00
16	6" Limerock Base	2,247	SY	\$21.72	\$48,797.60
16	4" Limerock Curb Pad	0	SY	\$15.46	\$0.00
17	12" Stabilized Subgrade	2,247	SY	\$6.72	\$15,097.60
18	4" Stabilized Shoulder	1,498	SY	\$2.22	\$3,321.47
19	Type F Curb & Gutter	0	LF	\$33.47	\$0.00
20	Type D Curb	0	LF	\$29.47	\$0.00
21	Traffic Separator - 4 Foot Wide	0	LF	\$45.00	\$0.00
22	Permeable Concrete Pathways (6" Thick)	2,247	SY	\$77.12	\$173,262.93
23	Paver Driveways	10	SY	\$100.00	\$1,000.00
24	Concrete Driveways (6" Thick)	40	SY	\$77.12	\$3,084.80
				SUBTOTAL	\$440,301.44



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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		
UTILITIES ITEMS							
25	Utility Adjustments	1	LS	\$178,700.00	\$178,700.00		
				SUBTOTAL	\$178,700.00		
DRAINAGE ITEMS							
26	18" RCP	225	LF	\$108.33	\$24,374.25		
27	24" RCP	843	LF	\$130.00	\$109,590.00		
28	Inlets, Curb, Type P-9, (<10') or Inlets, Ditch Bottom, Type C	6	EA	\$8,450.00	\$50,700.00		
29	Manhole, Type P-8 (<10')	3	EA	\$6,500.00	\$19,500.00		
30	Canal Crossing	0	LS	\$100,000.00	\$0.00		
26	Miscellaneous Drainage Improvements	1	LS	\$153,200.00	\$153,200.00		
				SUBTOTAL	\$357,364.25		
SIGNING AND PAVEMENT MARKING							
27	SIGNING AND PAVEMENT MARKING	1	LS	\$44,100.00	\$ 44,100.00		
				SUBTOTAL	\$44,100.00		
LANDSCAPING AND IRRIGATION							
28	Landscape and Irrigation (Complete)	1	LS	\$0.00	\$0.00		
				SUBTOTAL	\$0.00		
ELECTRICAL ITEMS							
29	100 Watt X 2 LED Luminaire (double-head) and Pole	43	EA	\$9,610.34	\$413,244.62		
30	Pull Boxes	43	EA	\$125.00	\$5,375.00		
31	Conduit, F&I, 2" PVC	5,055	LF	\$14.30	\$72,286.50		
32	Conductors	14,323	LF	\$2.20	\$31,510.60		
				SUBTOTAL	\$522,416.72		
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		
					\$2,056,971.83		
					Contingency @10%		
					\$205,697.18		
					GRAND TOTAL		
					\$2,262,669.01		