

Kay, James

From: Abraham, Julia
Sent: Tuesday, October 20, 2009 9:20 AM
To: Kay, James
Subject: FW: Ponce Phase II construction cost estimate #04201
Attachments: estimate.xls

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From: Todd Seymour [mailto:Todd.Seymour@dplummer.com]
Sent: Friday, August 28, 2009 8:36 AM
To: Abraham, Julia
Cc: Kay, James
Subject: Ponce Phase II construction cost estimate #04201

Attached is the requested total construction cost estimate including landscaping items.

Let me know if you have any questions.

Thanks Todd

TRANSPORTATION • CIVIL • STRUCTURAL • ENVIRONMENTAL	
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Exceeding Client Expectations	

Construction Cost Estimate for Ponce de Leon Blvd Median Installation and Roadway Improvements

Pay Item Description	Units	Unit Price	Quantity	Cost	Source of Unit Price
Roadway					
Variable Message Sign (Temporary)	ED	\$ 50.00	84	\$ 4,200	C.G.P.W. (PH I)
Removal and Dispose of Material and Vegetation	SY	\$ 60.00	300	\$ 18,000	C.G.P.W. (PH I)
30" Curb & Gutter	LF	\$ 45.00	3536	\$ 159,120	C.G.P.W.
Type "D" Curb	LF	\$ 13.46	3433	\$ 46,208	C.G.P.W.
4" Decorative Concrete Median	SY	\$ 95.00	130	\$ 12,350	C.G.P.W. (PH I)
6" Decorative Concrete Sidewalk	SY	\$ 110.00	2853	\$ 313,830	C.G.P.W. (PH I)
4" Coral Gables Beige #3 Concrete Sidewalk	SY	\$ 55.54	877	\$ 48,709	C.G.P.W.
Milling exist. Asphalt Pavement (1" avg. depth)	SY	\$ 3.53	18589	\$ 65,619	C.G.P.W.
Type SP-9.5 Structural Course (Traffic C) (1" avg. thick)	TON	\$ 201.96	1022.4	\$ 206,484	C.G.P.W.
Sod and Top Soil	SY	\$ 4.57	1891	\$ 8,642	C.G.P.W.
Remove and Dispose Asphalt Pavement & Base Coarse (15")	SY	\$ 26.00	2204	\$ 57,304	C.G.P.W. (PH I)
Remove and Dispose Asphalt Pavement	SY	\$ 5.00	350	\$ 1,750	C.G.P.W.
Remove and Dispose Concrete	SY	\$ 4.97	3013	\$ 14,975	C.G.P.W.
Remove and Dispose Concrete Curb or Curb & Gutter	LF	\$ 4.49	3098	\$ 13,910	C.G.P.W.
Remove of Steel Parking Meter Post and Bell Flange	EA	\$ 50.00	39	\$ 1,950	C.G.P.W. (PH I)
Remove and Dispose Sanitary Pipe	LF	\$ 30.00	70	\$ 2,100	C.G.P.W. (PH I)
Adjust Manhole Top	EA	\$ 200.00	6	\$ 1,200	C.G.P.W. (PH I)
Adjust Valve Box	EA	\$ 50.00	10	\$ 500	C.G.P.W. (PH I)
Drainage					
Slab Cover Trench w/ MH access (construct new Trench)	LF	\$ 300.00	290	\$ 87,000	C.G.P.W. (PH I)
Remove Slab Cover Trench and Construct New w/ MH access	LF	\$ 250.00	120	\$ 30,000	C.G.P.W. (PH I)
Class I Concrete Headwall (incl. reinforcement)	CY	\$ 1,100.00	30	\$ 33,000	C.G.P.W. (PH I)
Manhole (Storm)	EA	\$ 3,920.00	2	\$ 7,840	C.G.P.W.
Type "D" Inlet	EA	\$ 3,927.00	27	\$ 106,029	C.G.P.W.
Type "P-3" Inlet	EA	\$ 4,000.00	1	\$ 4,000	FDOT (D6)
Adjust Inlet top	EA	\$ 400.00	2	\$ 800	C.G.P.W. (PH I)
15" Corrugated Metal Pipe	LF	\$ 132.00	391	\$ 51,612	FDOT (D6)
Remove and Dispose Existing Drainage Structures and Pipes	EA	\$ 1,600.00	20	\$ 32,000	C.G.P.W. (PH I)
Pipe Filling and Capping	EA	\$ 150.00	14	\$ 2,100	C.G.P.W. (PH I)
Manhole Frame & Cover (Trench Drain)	EA	\$ 450.00	33	\$ 14,850	C.G.P.W. (PH I)
Signing and Pavement Markings					
RPM's	EA	\$ 5.05	375	\$ 1,894	C.G.P.W.
Pavement Messages	EA	\$ 95.30	2	\$ 191	C.G.P.W.
Directional Arrows	EA	\$ 44.88	4	\$ 180	C.G.P.W.
4" White Thermoplastic	LF	\$ 0.53	3142	\$ 1,665	M.D.P.W.
6" White Thermoplastic	LF	\$ 0.79	665	\$ 525	C.G.P.W.
8" White Thermoplastic	LF	\$ 0.90	170	\$ 153	M.D.P.W.
12" White Thermoplastic	LF	\$ 1.96	1504	\$ 2,948	C.G.P.W.
18" White Thermoplastic	LF	\$ 2.24	195	\$ 437	C.G.P.W.
24" White Thermoplastic	LF	\$ 3.65	603	\$ 2,201	C.G.P.W.
10'-30' Skip White Thermoplastic	LF	\$ 0.79	770	\$ 608	C.G.P.W.
6" Yellow Thermoplastic	LF	\$ 0.79	6000	\$ 4,740	C.G.P.W.
18" Yellow Thermoplastic	LF	\$ 2.24	118	\$ 264	C.G.P.W.
Sign R3-1	EA	\$ 274.88	1	\$ 275	C.G.P.W.
Sign R3-2	EA	\$ 274.88	1	\$ 275	C.G.P.W.
Sign R2-1	EA	\$ 274.88	1	\$ 275	C.G.P.W.
Sign S4-5 (36x36)	EA	\$ 274.88	2	\$ 550	C.G.P.W.
Sign S1-1 (36X36) & W16-9P(24X12)	EA	\$ 325.50	4	\$ 1,302	M.D.P.W.
Sign S1-1 (36X36) & W16-7P(24X12)	EA	\$ 325.50	4	\$ 1,302	M.D.P.W.
Sign S1-1 (36X36) & W16-7P(24X12) (Right)	EA	\$ 325.50	4	\$ 1,302	M.D.P.W.
Sign existing (remove single post)	EA	\$ 16.80	17	\$ 286	C.G.P.W.
Sign existing (relocate single post)	EA	\$ 70.10	2	\$ 140	C.G.P.W.
Sign existing (remove sign panel)	EA	\$ 16.80	10	\$ 168	C.G.P.W.

Pay Item Description	Units	Unit Price	Quantity	Cost	Source of Unit Price
Signalization					
Grounding Electrode	LF	\$ 18.90	330	\$ 6,237	M.D.P.W.
Conduit Underground	LF	\$ 16.80	40	\$ 672	M.D.P.W.
Conduit (Underpavement) (2"PVC)	LF	\$ 35.70	866	\$ 30,916	M.D.P.W.
Cable (Signal)	PI	\$ 11.55	5	\$ 58	M.D.P.W.
Pull and Junction Boxes	EA	\$ 787.50	24	\$ 18,900	M.D.P.W.
Electrical Power Service	AS	\$ 945.00	2	\$ 1,890	M.D.P.W.
Electrical Service Wire	LF	\$ 5.25	640	\$ 3,360	M.D.P.W.
Prestressed concrete poles (Type P-II)	EA	\$ 1,094.10	1	\$ 1,094	M.D.P.W.
Mast Arm Assembly	EA	\$ 19,700.00	2	\$ 39,400	FDOT (D6)
Mast Arm Assembly	EA	\$ 19,700.00	6	\$ 118,200	FDOT (D6)
Mast Arm Assembly	EA	\$ 23,900.00	3	\$ 71,700	FDOT (D6)
Mast Arm Assembly	EA	\$ 23,900.00	1	\$ 23,900	FDOT (D6)
Traffic Signal 12" Std. (1 Way, 1 Section) (Led Type)	AS	\$ 589.05	8	\$ 4,712	M.D.P.W.
Traffic Signal 12" Std. (1 Way, 3 Section) (Led Type)	AS	\$ 1,102.50	16	\$ 17,640	M.D.P.W.
Pedestrian Signal (1 Direction) (LED Count down)	AS	\$ 787.50	12	\$ 9,450	M.D.P.W.
Inductive Loop Detector	EA	\$ 210.00	2	\$ 420	M.D.P.W.
Loop Assembly (Type A Mod.) (6'x30' Thru Lanes)	AS	\$ 906.15	2	\$ 1,812	M.D.P.W.
Pedestrian Detector	EA	\$ 178.50	8	\$ 1,428	M.D.P.W.
Traffic Signal Controller	AS	\$ 18,480.00	2	\$ 36,960	M.D.P.W.
Modify Traffic Signal Controller	AS	\$ 1,268.40	1	\$ 1,268	M.D.P.W.
Controller Cabinet (Pole Mounted)	EA	\$ 1,050.00	4	\$ 4,200	M.D.P.W.
Solar Page Programmable Time Switch	EA	\$ 4,725.00	2	\$ 9,450	M.D.P.W.
Solar Engine	EA	\$ 4,725.00	2	\$ 9,450	M.D.P.W.
Remove Traffic Signal Head Assembly	EA	\$ 195.30	24	\$ 4,687	M.D.P.W.
Remove Signal Pedestrian Assembly	EA	\$ 78.75	8	\$ 630	M.D.P.W.
Pole Removal - Shallow (Direct Burial)	LF	\$ 504.00	4	\$ 2,016	M.D.P.W.
Pole Removal - Shallow (Bolt on Attachment)	LF	\$ 1,417.50	8	\$ 11,340	M.D.P.W.
Remove Traffic Signal Controller	EA	\$ 1,550.20	2	\$ 3,100	M.D.P.W.
Remove Span Wire Assembly	EA	\$ 360.15	1	\$ 360	M.D.P.W.
Remove Cabling and Conduit	PI	\$ 780.00	4	\$ 3,120	FDOT (D6)
Remove Miscellaneous Signal Equipment	PI	\$ 2,196.24	4	\$ 8,785	M.D.P.W.
Sign Panel (F&I)	EA	\$ 227.85	4	\$ 911	M.D.P.W.
Landscape					
Landscaping, Irrigation, and Lighting Allowance	LS	\$587,240	1	\$ 587,240	LA Estimate
SUBTOTAL =				\$ 2,403,100	
MOBILIZATION 10 % =				\$ 240,300	
SUBTOTAL =				\$ 2,643,400	
CONTINGENCIES 10% =				\$ 264,300	
TOTAL =				\$ 2,907,700	

Notes:

- 1.- Unit Prices from Coral Gables Public Works include the cost of Maintenance of Traffic.
- 2.- Unit Prices from Miami-Dade Public Works have been increased in 5% to consider the cost of Maintenance of Traffic.