

ENGINEERS COST ESTIMATE

FM#438160-1-58-01 (D6)

Project Title: Village of Palmetto Bay Safe Routes to School Improvements

Date: April 23, 2019

Pay Item Number*	FDOT Pay Item No.	Pay Item Description*	FHWA Participating				FHWA non-participating (Local funds)				Total Quantity	Total Engineer's Cost	
			Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost			
Roadway													
1	0101-1	Mobilization	1	LS	\$ 60,000.00	\$ 60,000.00				\$ -	1	\$ 60,000.00	
2		Field Engineering, Layout, As-Builts				\$ -		1	LS	\$ 12,000.00	\$ 12,000.00	1	\$ 12,000.00
3		Payment & Performance Bonds				\$ -		1	LS	\$ 8,000.00	\$ 8,000.00	1	\$ 8,000.00
4	0102-1	Maintenance of Traffic	180	DAY	\$ 200.00	\$ 36,000.00				\$ -	180	\$ 36,000.00	
5		Utility Relocates/Adjustments	1	LS	\$ 10,000.00	\$ 10,000.00				\$ -	1	\$ 10,000.00	
Coral Reef Elementary School													
1	0104-18	Inlet Protection System	2	EA	\$ 86.41	\$ 172.82				\$ -	2	\$ 172.82	
2	01110-1	Clearing and Grubbing	0.52	AC	\$ 14,641.97	\$ 7,613.82				\$ -	1	\$ 7,613.82	
3	0520-2-4	Concrete Curb, Type D	3,000	LF	\$ 23.00	\$ 69,000.00				\$ -	3,000	\$ 69,000.00	
4		Concrete Flume with Tread Plate Cover	12	EA	\$ 5,000.00	\$ 60,000.00				\$ -	12	\$ 60,000.00	
5	0526-1-1	Pavers, Architectural, Roadway	35	SY	\$ 85.00	\$ 2,975.00				\$ -	35	\$ 2,975.00	
6	0337-7-82	1" ASPH CONC FC, TRAFFIC C, FC-9.5, PG 76-22	20	TN	\$ 137.98	\$ 2,759.60				\$ -	20	\$ 2,759.60	
7	0522-1	Concrete Sidewalk, 4"	1,824	SY	\$ 40.00	\$ 72,946.67				\$ -	1,824	\$ 72,946.67	
8	0522-2	Concrete Sidewalk over Driveways, 6"	532	SY	\$ 50.00	\$ 26,611.11				\$ -	532	\$ 26,611.11	
9	0527-2	Detectable Warnings	96	SF	\$ 25.77	\$ 2,473.92				\$ -	96	\$ 2,473.92	
10	0522-1	FDOT Single Curb Ramp (Concrete Sidewalk, 4")	276	SY	\$ 40.00	\$ 11,040.00				\$ -	276	\$ 11,040.00	
11	700-1-11	Single Post Sign (less than 12 ft*2)	4	AS	\$ 363.57	\$ 1,454.28				\$ -	4	\$ 1,454.28	
12	0700-1-50	Single Post Sign, Relocate	2	AS	\$ 274.14	\$ 548.28				\$ -	2	\$ 548.28	
13	0654-2-12	Rectangular Rapid Flashing Beacon	2	EA	\$ 9,505.00	\$ 19,010.00				\$ -	2	\$ 19,010.00	
14	711-14-123	Thermoplastic, Preformed, White, Solid 12"	300	LF	\$ 11.16	\$ 3,348.00				\$ -	300	\$ 3,348.00	
15	711-14-125	Thermoplastic, Preformed, White, Solid 24"	100	LF	\$ 17.15	\$ 1,715.00				\$ -	100	\$ 1,715.00	
16		Site Restoration	1	LS	\$ 3,000.00	\$ 3,000.00				\$ -	1	\$ 3,000.00	
Landscape													
1		Root Barrier	300	LF	\$ 5.00	\$ 1,500.00				\$ -	300	\$ 1,500.00	
Howard Drive Elementary School													
1	0104-18	Inlet Protection System	14	EA	\$ 86.41	\$ 1,209.74				\$ -	14	\$ 1,209.74	
2	01110-1	Clearing and Grubbing	0.65	AC	\$ 14,641.97	\$ 9,517.28				\$ -	1	\$ 9,517.28	
3	0520-1-10	Concrete Curb and Gutter, Type F	10	LF	\$ 21.00	\$ 210.00				\$ -	10	\$ 210.00	
4	0520-2-4	Concrete Curb, Type D	4,000	LF	\$ 23.00	\$ 92,000.00				\$ -	4,000	\$ 92,000.00	
5		Concrete Flume with Tread Plate Cover	19	EA	\$ 5,000.00	\$ 95,000.00				\$ -	19	\$ 95,000.00	
6	0526-1-1	Pavers, Architectural, Roadway	100	SY	\$ 85.00	\$ 8,500.00				\$ -	100	\$ 8,500.00	
7	0337-7-82	1" ASPH CONC FC, TRAFFIC C, FC-9.5, PG 76-22	20	TN	\$ 137.98	\$ 2,759.60				\$ -	20	\$ 2,759.60	
8	0522-1	Concrete Sidewalk, 4"	3,208	SY	\$ 40.00	\$ 128,320.00				\$ -	3,208	\$ 128,320.00	
9	0522-2	Concrete Sidewalk over Driveways, 6"	400	SY	\$ 50.00	\$ 20,000.00				\$ -	400	\$ 20,000.00	
10	0527-2	Detectable Warnings	229	SF	\$ 25.77	\$ 5,901.33				\$ -	229	\$ 5,901.33	
11	0522-1	FDOT Single Curb Ramp (Concrete Sidewalk, 4")	292	SY	\$ 40.00	\$ 11,680.00				\$ -	292	\$ 11,680.00	
12	0700-1-50	Single Post Sign, Relocate	7	AS	\$ 274.14	\$ 1,918.98				\$ -	7	\$ 1,918.98	
13	711-14-123	Thermoplastic, Preformed, White, Solid 12"	1,000	LF	\$ 11.16	\$ 11,160.00				\$ -	1,000	\$ 11,160.00	
14		Site Restoration	1	LS	\$ 3,000.00	\$ 3,000.00				\$ -	1	\$ 3,000.00	
Landscape													
1		Root Barrier	350	LF	\$ 5.00	\$ 1,750.00				\$ -	350	\$ 1,750.00	
Perrine Elementary School													
1	0104-18	Inlet Protection System	8	EA	\$ 86.41	\$ 691.28				\$ -	8	\$ 691.28	
2	01110-1	Clearing and Grubbing	0.21	AC	\$ 14,641.97	\$ 3,074.81				\$ -	0	\$ 3,074.81	
3	0520-2-4	Concrete Curb, Type D	100	LF	\$ 23.00	\$ 2,300.00				\$ -	100	\$ 2,300.00	
4	0522-2	Stamped Concrete Overlay-Driveway Reconstruction (Concrete Sidewalk over Driveways, 6")	50	SY	\$ 50.00	\$ 2,500.00				\$ -	50	\$ 2,500.00	
5	0526-1-1	Pavers, Architectural, Roadway	150	SY	\$ 85.00	\$ 12,750.00				\$ -	150	\$ 12,750.00	
6	0337-7-82	1" ASPH CONC FC, TRAFFIC C, FC-9.5, PG 76-22	3	TN	\$ 137.98	\$ 413.94				\$ -	3	\$ 413.94	
7	0522-1	Concrete Sidewalk, 4"	926	SY	\$ 40.00	\$ 37,040.00				\$ -	926	\$ 37,040.00	
8	0522-2	Concrete Sidewalk over Driveways, 6"	150	SY	\$ 50.00	\$ 7,500.00				\$ -	150	\$ 7,500.00	
9	0527-2	Detectable Warnings	318	SF	\$ 25.77	\$ 8,194.86				\$ -	318	\$ 8,194.86	
10	0522-1	FDOT Single Curb Ramp (Concrete Sidewalk, 4")	24	SY	\$ 40.00	\$ 960.00				\$ -	24	\$ 960.00	
11	0700-1-50	Single Post Sign, Relocate	4	AS	\$ 274.14	\$ 1,096.56				\$ -	4	\$ 1,096.56	

12	711-14-123	Thermoplastic, Performed, White, Solid 12"	1,500	LF	\$ 11.16	\$ 16,740.00				\$ -	1,500	\$ 16,740.00
13	711-14-125	Thermoplastic, Performed, White, Solid 24"	150	LF	\$ 17.15	\$ 2,572.50				\$ -	150	\$ 2,572.50
14	0711-14-421	Thermoplastic, Standard, Yellow, Solid 6"	250	LF	\$ 1.50	\$ 375.00				\$ -	250	\$ 375.00
15	711-17	Thermoplastic, Remove Existing Thermoplastic Pavement Markings	458	SF	\$ 7.00	\$ 3,206.00				\$ -	458	\$ 3,206.00
16		Site Restoration	1	LS	\$ 3,000.00	\$ 3,000.00				\$ -	1	\$ 3,000.00
Landscape												
1		Root Barrier	375	LF	\$ 5.00	\$ 1,875.00				\$ -	375	\$ 1,875.00

TAP Funds for Construction						\$ 889,385.39	Local Funds for Construction				\$ 20,000.00	Subtotal	\$ 909,385.39
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		FDOT IN-HOUSE DESIGN SUPPORT (Phase 31)	1	LS	\$5,000	\$ 5,000.00	FDOT In-House Support must be included as an FHWA Participating Item									
		ADDITIONAL FDOT IN-HOUSE DESIGN SUPPORT FOR CRITICAL PROJECTS	0	LS	\$2,000	\$ -										
		FDOT IN-HOUSE CONSTRUCTION SUPPORT (Phase 61)	1	LS	\$5,000	\$ 5,000.00										
		ADDITIONAL FDOT IN-HOUSE CONSTRUCTION SUPPORT FOR CRITICAL PROJECTS	0	LS	\$2,000	\$ -										
		LOCAL FUNDS FOR DESIGN	Local Agency Design Work is not a FHWA Participating Item										1	LS	\$0	\$ -
		CONTINGENCY (REQUIRED)	Contingency is not a FHWA Participating Item										1	LS	5%	\$ 45,469.27
		TRANSIT RELATED PROJECTS (10% FTA ADMINISTRATIVE FEE)	Administrative Fee is not a FHWA Participating Item										1	LS	10%	\$ 90,938.54
		CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI) NO MORE THAN 12% OF ELIGIBLE ITEMS (Phase 68) (Optional)	1	LS	12%	\$ 106,726.25							1	LS	12%	\$ 109,126.25
		FDOT OVERSIGHT CEI (3% OF TOTAL CONSTRUCTION COST ESTIMATE) (Phase 62) (REQUIRED)	1	LS	3%	\$ 27,281.56							FDOT In-House Support must be included as an FHWA Participating Item			
						\$ 1,033,393.19										\$ 265,534.05

Subtotal FHWA Participating						\$ 1,033,393.19	Subtotal FHWA Non-Participating				\$ 265,534.05	Total Construction Cost Estimate	\$ 1,298,927.25
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*Projects on the State Highway System and Critical Projects **SHALL** utilize FDOT pay items numbers and descriptions.

Non-participating items:

- Mowing & Litter removal
- Engineering work; Optional services; Survey; Video inspection; MOT plans preparation; As-builts/record drawings
- Utility work -- this includes, but is not limited to: valve adjustments, utility relocations, FPL power pole relocations, AT&T directional bore, etc...
- Contingency

Other elements may be non-participating; the ones listed above are the commonly used pay items that are non-participating. If you have any questions regarding an eligible or non-participating item, please contact us.

Note: The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Prepared by: _____ PE Number: 74655 _____

Stefano F. Viola, P.E. _____
 Name: _____ Signature: _____ Date: 12/18/2018

Reviewed by: _____
 Name: _____ Signature: _____ Date: _____

Approved by (Agency Responsible Charge): _____
 Name: _____ Signature: _____ Date: _____