

ENGINEERS COST ESTIMATE
(Must be Used for Projects Administered by FDOT)
Project Description: INSERT PROJECT TITLE

Pay Item Number*	Pay Item Description*	Participating				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			
101-1	Mobilization	1	LS	8%	\$ 113,057.01					1	\$ 113,057.01	
102-1	Maintenance of Traffic	1	LS	10%	\$ 141,321.27					1	\$ 141,321.27	
104-10-3	Sediment Barrier	3828	LF	\$ 1.07	\$ 4,095.96					3828	\$ 4,095.96	
104-18	Inlet Protection	13	EA	\$ 135.77	\$ 1,765.01					13	\$ 1,765.01	
110-1-1	Clearing & Grubbing	2,871	LS/AC	\$ 9,506.10	\$ 27,292.01					2,871	\$ 27,292.01	
120-1	Regular Excavation	4466	CY	\$ 5.78	\$ 25,813.48					4466	\$ 25,813.48	
120-6	Embankment	1488.86	CY	\$ 11.51	\$ 17,136.78					1488.86	\$ 17,136.78	
160-4	Type B Stabilization	9672.08	SY	\$ 3.99	\$ 38,591.60					9672.08	\$ 38,591.60	
285-706	Optional Base, Base Group 6	9672.08	SY	\$ 11.20	\$ 108,327.30					9672.08	\$ 108,327.30	
334-1-13	Superpave Asphaltic Conc. Traffic C	1063.72	TN	\$ 100.04	\$ 106,414.55					1063.72	\$ 106,414.55	
337-7-82	Asphaltic Conc. Friction Course, Traffic C, FC-9.5	531.86	TN	\$ 145.19	\$ 77,220.75					531.86	\$ 77,220.75	
425-1-361	Inlet, Curb, Type p-6, <10'	13	EA	\$ 4,815.07	\$ 62,595.91					13	\$ 62,595.91	
425-2-41	Manholes, p-7, <10'	7	EA	\$ 3,762.09	\$ 26,334.63					7	\$ 26,334.63	
430-175-118	Pipe Culvert, Optional Material, Round, 18" S/CD	331.76	LF	\$ 81.49	\$ 27,035.12					331.76	\$ 27,035.12	
443-70-4	French Drain, 24"	638	LF	\$ 129.16	\$ 82,404.08					638	\$ 82,404.08	
520-1-10	Concrete Curb & Gutter, Type F	3654	LF	\$ 14.89	\$ 54,408.06					3654	\$ 54,408.06	
520-1-7	Concrete Curb & Gutter, Type E	110.2	LF	\$ 10.81	\$ 1,191.26					110.2	\$ 1,191.26	
520-2-4	Concrete Curb, Type D	2204	LF	\$ 16.76	\$ 36,939.04					2204	\$ 36,939.04	
522-1	Concrete Sidewalk 4" Thick	2463.26	SY	\$ 33.23	\$ 81,854.13	1513	SY	\$ 38.97	\$ 58,961.61	3976.26	\$ 140,815.74	
522-2	Concrete Sidewalk 6" Thick	131.66	SY	\$ 49.43	\$ 6,507.95					131.66	\$ 6,507.95	
523-1-3	Patterned Pavement, Vehicular Areas - Green Bike Lanes	1531.2	SY	\$ 45.12	\$ 69,087.74					1531.2	\$ 69,087.74	
526-1-2	Pavers, Architectural, Roadway	88.798	SY	\$ 128.90	\$ 11,446.06					88.798	\$ 11,446.06	
527-2	Detectable Warnings	349.74	SF	\$ 26.83	\$ 9,383.52					349.74	\$ 9,383.52	
570-1-2	Performance Turf, SOO	1943.58	SY	\$ 3.14	\$ 6,102.84					1943.58	\$ 6,102.84	
580-1-1	Landscaping Complete - Small Plants	1	LS	\$ 59,380.00	\$ 59,380.00	1	LS	\$ 59,380.00	\$ 59,380.00			
590-70	Irrigation System	1	LS	\$ 12,620.80	\$ 12,620.80					1	\$ 12,620.80	
705-11-1	Delineator, Flexible Tubular	298.12	EA	\$ 55.00	\$ 16,396.60					298.12	\$ 16,396.60	
706-3	Retro-Reflective Pavement Markers	87	EA	\$ 3.00	\$ 261.00					87	\$ 261.00	
710-11-101	Painted Pavement Markings, Standard, White, Solid, 6"	2,186.6	GM	\$ 883.68	\$ 1,932.25					2,186.6	\$ 1,932.25	
710-11-102	Painted Pavement Markings, Standard, White, Solid, 8"	0.023432	GM	\$ 1,169.69	\$ 27.41					0.023432	\$ 27.41	
710-11-123	Painted Pavement Markings, Standard, White, Solid, 12"	451.588	LF	\$ 0.58	\$ 261.92					451.588	\$ 261.92	
710-11-124	Painted Pavement Markings, Standard, White, Solid, 18"	221.502	LF	\$ 0.98	\$ 217.07					221.502	\$ 217.07	
710-11-125	Painted Pavement Markings, Standard, White, Solid, 24"	188.094	LF	\$ 1.19	\$ 223.83					188.094	\$ 223.83	
710-11-141	Painted Pavement Markings, Standard, White, 2-4 Dotted Guide Line, 6"	0.01392	GM	\$ 391.47	\$ 5.45					0.01392	\$ 5.45	
710-11-201	Painted Pavement Markings, Standard, Yellow, Solid, 6"	0.103936	GM	\$ 872.22	\$ 90.66					0.103936	\$ 90.66	
710-11-224	Painted Pavement Markings, Standard, Yellow, Solid, 18"	34.742	LF	\$ 0.58	\$ 20.15					34.742	\$ 20.15	
710-11-231	Painted Pavement Markings, Standard, Yellow, Skip, 6"	0.458432	GM	\$ 350.00	\$ 160.45					0.458432	\$ 160.45	
711-11-123	Thermoplastic, Standard, White, Solid, 12"	451.588	LF	\$ 1.88	\$ 848.99					451.588	\$ 848.99	
711-11-124	Thermoplastic, Standard, White, Solid, 18"	221.502	LF	\$ 2.80	\$ 620.21					221.502	\$ 620.21	
711-11-125	Thermoplastic, Standard, White, Solid, 24"	188.094	LF	\$ 3.43	\$ 645.16					188.094	\$ 645.16	
711-11-141	Thermoplastic, White, 2-4 Dotted Guide Line, 6"	0.01392	GM	\$ 1,175.93	\$ 16.37					0.01392	\$ 16.37	
711-11-160	Thermoplastic, Standard, White, Message or Symbol	14	EA	\$ 88.83	\$ 1,243.62					14	\$ 1,243.62	
711-11-170	Thermoplastic, Standard, White, Arrow	27	EA	\$ 55.16	\$ 1,489.32					27	\$ 1,489.32	
711-11-224	Thermoplastic, Yellow, Solid, 18"	34.162	LF	\$ 2.48	\$ 84.72					34.162	\$ 84.72	
711-16-101	Thermoplastic, Standard, White, Solid, 6"	2,186.6	GM	\$ 4,111.27	\$ 8,989.70					2,186.6	\$ 8,989.70	
711-16-102	Thermoplastic, Standard, White, Solid, 8"	0.023432	GM	\$ 5,460.22	\$ 127.94					0.023432	\$ 127.94	
711-16-201	Thermoplastic, Standard-Other Surfaces, Yellow, Solid, 6"	0.103936	GM	\$ 4,086.71	\$ 424.76					0.103936	\$ 424.76	
711-16-231	Thermoplastic, Standard-Other Surfaces, Yellow, Skip, 6"	0.458432	GM	\$ 1,430.97	\$ 656.00					0.458432	\$ 656.00	
	Utility Undergrounding	0.5	MI	\$ 800,000.00	\$ 400,000.00					0.5	\$ 400,000.00	
715-1-11	LIGHTING CONDUCTORS, F&L INSUL, NO.10 OR-	50	EA	\$ 1.00	\$ 50.00					50	\$ 50.00	
715-5-31	LUMINAIRE & BRACKET ARM, F&L NEW	50	EA	\$ 1,677.01	\$ 83,850.50					50	\$ 83,850.50	
Funds for Construction					\$ 1,726,970.96	Local Funds for Construction				\$ 118,341.61	Subtotal	\$ 1,726,552.57
DESIGN (FDOT IN-HOUSE/CONSULTANT)		1	LS	30%	\$ 518,091.29							
ENVIRONMENTAL SERVICES		1	LS	7%	\$ 120,887.97							
CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI)		1	LS	17%	\$ 293,585.06							
POST DESIGN SERVICES		1	LS	8%	\$ 138,157.68							
CONTINGENCY		Contingency is not a FHWA Participating Item				1	LS	15%	\$ 259,045.64			
						FDOT In-House Support must be included as an FHWA Participating Item						
					\$ 2,797,692.96					\$ 377,387.25	\$ 3,175,080.22	

PLEASE NOTE: DESIGN, ENVIRONMENTAL, CEI, AND POST DESIGN SERVICES ARE ESTIMATES ONLY. THESE COSTS MAY CHANGE AFTER FOOT REVIEW OF THE PROJECT AND OVER THE LIFE OF THE PROJECT BASED ON THE PROJECT'S COMPLEXITY. THE LOCAL AGENCY WILL BE RESPONSIBLE FOR ALL COSTS IN EXCESS OF THE FDOT FUNDING ALLOCATION. THIS IS ONLY A GUIDE.

DESIGN, ENVIRONMENTAL, CEI, AND POST DESIGN SERVICES FEE GUIDELINES:

DESIGN: Construction Cost \$0-\$500,000 Design Fee 45% of Construction Estimate
 \$500,001 - \$1,500,000 30% of Construction Estimate
 \$1,500,001 - \$2,500,000 15% of Construction Estimate

ENVIRONMENTAL: Construction Cost <\$500,000 Environmental Fee 15% of Construction Estimate
 \$500,000 - \$1 million 10% of Construction Estimate
 Over \$1 million 7% of Construction Estimate

CEI: Construction Cost <\$500,000 CEI Fee 30% of Construction Estimate
 \$500,000 - \$1 million 20% of Construction Estimate
 \$1.0 - \$2.5 million 17% of Construction Estimate

POST DESIGN: Construction Cost All Projects Post Design Fee 8% of DESIGN Estimate

NOTE: Environmental fees consider, but are not limited to, standard Categorical Exclusion (Type I or CE), CRAS Report, Section 4f, Wetland Survey, Endangered Species Relocation, Contamination, Mitigation, etc. Additional fees will be required for: Lane Elimination Analysis and Documentation; Traffic Data Collection; Traffic Projections and Analysis; Public Involvement. Please contact Christine Fasika at FDOT District 4 (954-777-4480) to coordinate the cost for these items.

Estimate prepared by: Eric Houston AICP 29912 Date: 11/14/2018
 Estimate Reviewed by: Steven Parkinson, Assistant City Manager Date: 11/14/2018

* All projects will utilize FDOT pay item numbers, descriptions and unit prices; FDOT design and construction specifications and standards. Statewide unit prices can be found at the following link:

<http://www.dot.state.fl.us/programmanagement/Estimates/HistoricalCostInformation/HistoricalCost.htm>

Non-participating items:

** All maintenance activities.

** Utility work -- this includes, but is not limited to: valve/manhole adjustments, utility relocations, FPL power pole relocations, AT&T directional bore, etc...

Other elements may be non-participating - this will be determined on a project-by-project basis; listed above are commonly used non-participating pay items.