ENGINEERS COST ESTIMATE

(Use for Off-System Projects - Administered through LAP)

FM#123456-1-58-01

Project Title: Carl Bolter Extension

Date: 02/27/18

		FHWA Participating				FHWA non-participating (Local funds)					
Pay Item Number*	Pay Item Description*	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost	Quantity	Unit	Engineer's Unit Cost	Engineer's Subtotal Cost	Total Quantity	Total Engineer's Cost
	GENERAL ITEMS										
1	Mobilization (5%)	1	LS	$ 39,657.12	$ 39,657.12					1	$ 39,657.12
2	Maintenance of Traffic (5%)					1	LS	$ 39,657.12	$ 39,657.12	1	$ 39,657.12
3	As-Built Record Drawings					1	LS	$ 2,000.00	$ 2,000.00	1	$ 2,000.00
4	NPDES Permit/Erosion Control (2.5%)	1	LS	$ 19,828.56	$ 19,828.56					1	$ 19,828.56
5	Idemnification					1	LS	$ 10.00	$ 10.00	1	$ 10.00
6	Project Identification Sign (1 Total)	1	LS	$ 1,200.00	$ 1,200.00					1	$ 1,200.00
	DEMOLITION										
7	Clearing and Grubbing (5%)	1	LS	$ 39,657.12	$ 39,657.12					1	$ 39,657.12
	ON-SITE ITEMS										
8	Regular Excavation	928	CY	$ 11.01	$ 10,214.83					928	$ 10,214.83
9	Embankment	928	CY	$ 16.56	$ 15,364.00					928	$ 15,364.00
10	Mill Existing Asphalt Pavement (1" Min. Depth)	1,113	SY	$ 12.32	$ 13,716.27					1,113	$ 13,716.27
11	Asphatl level and Overbuild	3	TN	$ 271.34	$ 830.75					3	$ 830.75
12	1" Asphalt Concrete Type S-III (Widening and Resurfacing)	115	TN	$ 157.60	$ 18,072.52					115	$ 18,072.52
13	6" Limerock Base	668	SY	$ 21.72	$ 14,508.96					668	$ 14,508.96
14	12" Stabilized Subgrade	668	SY	$ 6.72	$ 4,488.96					668	$ 4,488.96
15	4" Stabilized Shoulder	445	SY	$ 2.22	$ 988.64					445	$ 988.64
16	Permeable Concete Pathways (6" Thick)	2,247	SY	$ 77.12	$ 173,288.64					2,247	$ 173,288.64
17	Paver Driveways	10	SY	$ 100.00	$ 1,000.00					10	$ 1,000.00
18	Asphalt Driveways	710	SY	$ 36.55	$ 25,947.38					710	$ 25,947.38
19	Concrete Driveways (6" Thick)	40	SY	$ 77.12	$ 3,084.80					40	$ 3,084.80
	UTILITY ITEMS										
20	Utility Adjustments					1	LS	83,100	$ 83,100.00	1	$ 83,100.00
	DRAINAGE ITEMS										
21	18" RCP	67	LF	$ 108.33	$ 7,258.11					67	$ 7,258.11
22	24" RCP	251	LF	$ 130.00	$ 32,630.00					251	$ 32,630.00
23	Inlets, Curb Type P-9 (<10'), or Inlets, Ditch Bottom, Type 'C'	2	EA	$ 8,450.00	$ 16,900.00					2	$ 16,900.00
24	Manhole Type P-8 (<10')	1	EA	$ 6,500.00	$ 6,500.00					1	$ 6,500.00
25	Miscellaneous Drainage Improvements	1	LS	$ 47,500.00	$ 47,500.00					1	$ 47,500.00
	SIGNING AND PAVEMENT MARKINGS										
26	Signing and Pavement Markings	1	LS	$ 17,000.00	$ 17,000.00					1	$ 17,000.00
	LANDSCAPE AND IRRIGATION										
27	Landscape and Irrigation (Complete)					1	LS	50100	$ 50,100.00	1	$ 50,100.00

	ELECTRICAL ITEMS											
28	100 Watt X 2 LED Luminaire (Double Head) and Pole	13	EA	$ 9,610.34	$ 124,934.42					13	$ 124,934.42	
29	Pull Boxes	13	EA	$ 125.00	$ 1,625.00					13	$ 1,625.00	
30	Conduit, F&I, 2" PVC	1,503	LF	$ 14.30	$ 21,492.90					1,503	$ 21,492.90	
31	Conductors	4,259	LF	$ 2.20	$ 9,369.80					4,259	$ 9,369.80	
	ALLOWANCES											
32	Professional Video Allowance					1	LS	$ 5,000.00	$ 5,000.00	1	$ 5,000.00	
33	Unforseen Coditions Allowance					1	LS	$ 200,000.00	$ 200,000.00	1	$ 200,000.00	
		TAP Funds for Construction			$ 667,058.78	Local Funds for Construction			$ 379,867.12	Subtotal	$ 1,046,925.90	
	FDOT IN-HOUSE DESIGN SUPPORT (Phase 31) **(REQUIRED)**	1	LS	$5,000	$ 5,000.00	FDOT In-House Support must be included as an FHWA Participating Item						
	ADDITONAL FDOT IN-HOUSE DESIGN SUPPORT FOR CRITICAL PROJECTS	0	LS	$2,000	$ -							
	FDOT IN-HOUSE CONSTRUCTION SUPPORT (Phase 61) **(REQUIRED)**	1	LS	$5,000	$ 5,000.00							
	ADDITONAL 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		$ -			
	CONTINGENCY **(REQUIRED)**	Contingency is not a FHWA Participating Item				1	LS	20%	$ 209,385.18			
	TRANSIT RELATED PROJECTS (10% FTA ADMINISTRATIVE FEE)	Administrative Fee is not a FHWA Participating Item				0	LS	10%	$ -			
	LOCAL FUNDS FOR CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI)					1	LS	12%	$ 45,584.05			
	FDOT OVERSIGHT CEI (3% OF TOTAL CONSTRUCTION COST ESTIMATE) (Phase 62) **(REQUIRED)**	1	LS	3%	$ 31,407.78	FDOT In-House Support must be included as an FHWA Participating Item						
					$ 708,466.56				**$ 634,836.36**			**$ 1,343,302.91**
					Subtotal FHWA Participating				**Subtotal FHWA Non-Participating**			**Total Construction Cost Estimate**

*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.

Prepared by:

Name: PATRICK A FIGURELLA — Signature: PA Figurella — PE Number: 54795 — Date: 3/1/18

Reviewed by:

Name: — Signature: — Date:

Approved by (Agency Responsible Charge):

Name: — Signature: — Date:

PATRICK ANGELO FIGURELLA LICENSE No. 54795 STATE OF FLORIDA PROFESSIONAL ENGINEER