ENGINEERS COST ESTIMATE

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

Exhibit 4 - Adaptive Traffic Control System Cost Estimate

	Exhibit 4 - Adaptive Traffic Control System Cost Estimate	Participating				Non-participating (Local funds)					
Pay Item		_		Engineer's				Engineer's	5	Total	Table 1 Cont
Number*	Pay Item Description* System Control Equipment, Furnish & Install, Adaptive Signal Control	Quantity	Unit	Unit Cost	Engineer's Subtotal Cost	Quantity	Unit	Unit Cost	Engineer's Subtotal Cost	Quantity	Total Engineer's Cost
680-1-112	System- NEM	19	EA	\$ 19,298.18	\$ 366,665.42				\$ -	19	\$ 366,665.4
680-1-113	System Control Equipment, Furnish & Install, Adaptive Signal Control System- NEM	19	EA	\$ 9,129.54	\$ 173,461.26						
INTEGRATION		1	LS	\$ 50,000.00					\$ -	1	\$ 50,000.0
SOFTWARE	System Software	19	EA	\$ 19,000.00					\$ -	19	\$ 361,000.0
TMC SEVER	County Server	2	EA	\$ 5,000.00					\$ -	2	\$ 10,000.0
670 -5-141	Traf Cntl Assem, F&I, 2070, 1 Preempt	19	EA	\$ 25,125.00					\$ -	19	\$ 477,375.0
670-5-600	Traf Cntl Assem, Remove	19	EA	\$ 617.00					\$ -	19	\$ 11,723.00
070-3-000		13	LA	9 017.00	\$ 11,723.00				\$ -	0	\$
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		Fur	nds for Const	ruction	\$ 1,450,224.68	Local I	Funds for Cor	nstruction		Subtotal	\$ 1,276,763.4
			_				1			32.20cdi	_,
	DESIGN (FDOT IN-HOUSE/CONSULTANT) ENVIRONMENTAL SERVICES	1	LS LS	19% 7%	\$ 275,542.69 \$ 101,515.73				_		
	CONSTRUCTION ENGINEERING & INSPECTION ACTIVITIES (CEI)	1	LS	17%	\$ 101,515.73						
	POST DESIGN SERVICES	1	LS	8%	\$ 22,043.42	~					
000.35	CONTINCENCY					1	1.0	70/	¢ 404 E4E 70		
999-25	CONTINGENCY	Contingency is not a FHWA Participating Item			1	LS	7%	\$ 101,515.73			
					FDOT In-House Support must be included as an FHWA						
		s -			\$ -	Participating Item					
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PLEASE NOTE: DESIGN, ENVIRONMENTAL, CEI, AND POST DESIGN SERVICES ARE ESTIMATES ONLY. THESE COSTS MAY CHANGE AFTER FDOT REVIEW OF THE PROJECT AND OVER THE LIFE OF THEPROJECT 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.

Subtotal FHWA Participating

Estimate Prepared by:

PE Number:

2,095,864.71

Subtotal FHWA Non-Participating

101,515.73

Date:

2,197,380.44 **Total Construction Cost Estimate**

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

DESIGN: Construction Cost Design Fee

\$0-\$500,000 45% of Construction Estimate \$500,001 - \$1,500,000 30% of Construction Estimate \$1,500,001 - \$2,500,000 19% of Construction Estimate

 $\textbf{ENVIRONMENTA} \\ \underline{\textbf{Construction Cost}}$

Environmental Fee < \$500,000 15% of Construction Estimate 10% of Construction Estimate \$500,000 - \$1 million Over \$1 million 7% of Construction Estimate **NOTE:** Environmental fees consider, but are not limited to, standard Categorical Exclusion (Type 1 or PCE), 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 Fasiska at FDOT District 4 (954-777-4480) to coordinate the cost for these items.

CEI: **Construction Cost** CEI Fee

< \$500,000 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 Post Design Fee 8% of **DESIGN** Estimate All Projects

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

 $\underline{http://www.dot.state.fl.us/programmanagement/Estimates/HistoricalCostInformation/HistoricalCost.shtm}$

Non-participating items:

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.

Updated August 2017

^{**} 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...