

**Florida Department of Transportation  
Bid Solicitation Notice and Approximate Quantities**

Letting:	05230606	Call Order:	006	Proposal:	E57B4	District:	05
Counties:	ORANGE						
Road Name:	SR 500/600						
Limits:	75010000						
Project(s):	44198215201(*)	Federal Aid No:	N/A				
Total Roadway Length:	1.758 Miles	Contract Days:	280				
Total Bridge Length:	0.000 Miles	Letting Date:	06/06/23				
Total Proposal Length:	1.758 Miles	Contract Execution Days:	10				
		Special Start Date:	09/06/23				
		Aquis/Flexible Start Time:					

Proposal Budget Estimate: \$2,888,781.00

Please read the full advertisement

**Description:**

The Improvements under this Contract consist of Intelligent Transportation Improvements and Lighting on State Road 500/600 (Orange Blossom Trail) from Holden Avenue northward to 35th Street in Orange County.

**PREQUALIFICATION REQUIRED**

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ALT	Item	Description	Unit	Quantity
<b>Section 0001 Roadway</b>				
	0101- 1-	MOBILIZATION (44198215201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44198215201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	64.000
	0102- 60-	WORK ZONE SIGN	ED	2,030.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	3,980.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	1,560.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	170.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	110.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	280.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	280.000
	0102-115-	TYPE III BARRICADE	ED	100.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44198215201)	LS	1.000
<b>Section 0002 Signing</b>				
	0700- 5- 50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	7.000
	0700- 11-391	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF	AS	10.000
<b>Section 0003 Lighting</b>				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	138.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	98.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	40.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	254.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	17.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	268.000

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	0676- 1-500	TRAFFIC SIGNAL CONTROLLER CABINET, ADJUST/MODIFY	EA	8.000
	0676- 2-131	ITS CABINET, FURNISH & INSTALL, BASE MOUNT, 336, 24" W X 36" H X 20" D	EA	8.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	144.000
	0715- 7- 21	LOAD CENTER, REWORK, SECONDARY VOLTAGE	EA	8.000
	0715- 11-211	LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, COBRA HEAD	EA	84.000
	0715- 52- 28	LIGHTING-SPECIAL, LIGHTING SYSTEM COMPONENTS, LIGHTING CONTROL UNIT, MAIN	EA	8.000
	0715- 52- 29	LIGHTING-SPECIAL, LIGHTING SYSTEM COMPONENTS, LIGHTING CONTROL UNIT ANTENNA	EA	8.000
	0715- 52- 30	LIGHTING-SPECIAL, LIGHTING SYSTEM COMPONENTS, LIGHTING CONTROL UNIT, NODE	EA	85.000
	0715- 61-211	LIGHT POLE COMPLETE, F&I, STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT, 8' ARM LENGTH	EA	1.000
<b>Section 0004 Signalization</b>				
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	0.879
	0611- 2- 1	ITSFM LOCATION DOCUMENTATION- INTERSECTION	EA	8.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	102.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	2,510.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	300.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	8.000
	0632- 7- 4	SIGNAL CABLE, ADJUST	PI	2.000
	0632- 7- 6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	2.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	280.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	96.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	60.000
	0639- 2- 4	ELECTRICAL SERVICE WIRE, RELOCATE	LF	60.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	4.000
	0650- 1- 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2.000
	0650- 1- 60	VEHICULAR TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN	AS	2.000
	0650- 1- 70	VEHICULAR TRAFFIC SIGNAL, RELOCATE- INCLUDES REMOVAL AND REINSTALLATION	AS	2.000
	0650- 2-109	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- FURNISH & INSTALL, BACKPLATE- FLEXIBLE REQUIRED	EA	6.000
	0650- 20- 2	VEHICULAR SIGNAL AUXILIARIES, DETECTION CONFIRMATION BEACON ASSEMBLY	EA	38.000
	0665- 1- 15	PEDESTRIAN DETECTOR, F&I, RETROFIT PASSIVE TO EXISTING DETECTOR	EA	38.000
	0665- 1-902	PEDESTRIAN DETECTOR, FURNISH & INSTALL, PEDESTRIAN DISPLAY	EA	38.000
	0671- 2- 40	TRAFFIC CONTROLLER, MODIFY	EA	8.000
	0676- 1-500	TRAFFIC SIGNAL CONTROLLER CABINET, ADJUST/MODIFY	EA	8.000
	0678- 1-104	CONTROLLER ACCESSORIES, REPLACE EXISTING- FURNISH AND INSTALL, LOAD SWITCH	EA	6.000
	0685- 1- 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	2.000

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ALT	Item	Description	Unit	Quantity
	0685- 1- 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	3.000
	0685- 1- 60	UNINTERRUPTIBLE POWER SUPPLY, REMOVE- POLE/CABINET REMAINS	EA	2.000
	0685- 2- 1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA	8.000
<b>Section 0005 Intelligent Transportation System</b>				
	0682-100- 4	VIDEO EQUIPMENT, VIDEO ANALYTICS SYSTEM	EA	8.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	15.000
	0684- 1- 6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	7.000
	0920-681-100	CONNECTED VEHICLE ROAD SIDE UNIT	EA	8.000
	0920-681-102	CONNECTED VEHICLE, INDUSTRIAL COMPUTER (IN-CABINET PROCESSOR)	EA	8.000