

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

Letting: 05201006 Call Order: 001 Proposal: E52A1 District:05

Counties: ORANGE

Road Name: SR 552 AT FREDRICA DRIVE (SIGNALIZATION) - TRAFFIC SIGNALS

Limits: 75012000

Project(s): 44208715201(*) Federal Aid No: N/A

Total Roadway Length:	0.113 Miles	Contract Days:	90
Total Bridge Length:	0.000 Miles	Letting Date:	10/06/20
Total Proposal Length:	0.113 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	120

Proposal Budget Estimate: \$772,685.00

Please read the full advertisement

Description:

442087-1-52-01 SCOPE OF WORK – INTENT OF CONTRACT.

The Improvements under this Contract consist of providing a new eastbound left turn and will lengthen the existing westbound left turn lane. In addition, project will include ADA curb ramp replacement at all four quadrants at the intersection, adding a boarding pad on the north side adding sidewalk, on the south side, to provide room for a new multi-post sign, milling and resurfacing the friction course for new pavement markings, widening for turn lane extensions, and installing new mast arm signal at the intersection of SR 552 and Fredrica Drive in Orange County.

The summary of pay items for this project is listed in the Plans.

PREQUALIFICATION REQUIRED

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (44208715201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44208715201)	LS	1.000
	0102- 4-	PEDESTRIAN SPECIAL DETOUR (44208715201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	6.000
	0102- 60-	WORK ZONE SIGN	ED	4,488.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	7,304.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	11,808.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	128.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	150.000
	0102-115-	TYPE III BARRICADE	ED	240.000
	0104- 10- 3	SEDIMENT BARRIER	LF	44.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	8.000
	0107- 1-	LITTER REMOVAL	AC	1.700
	0107- 2-	MOWING	AC	0.860
	0110- 1- 1	CLEARING & GRUBBING (44208715201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	582.000
	0120- 1-	REGULAR EXCAVATION	CY	350.000
	0120- 6-	EMBANKMENT	CY	19.000
	0160- 4-	TYPE B STABILIZATION	SY	514.000

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ALT	Item	Description	Unit	Quantity
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	514.000
	0286- 1-	TURNOUT CONSTRUCTION/DRIVEWAY BASE- OPTIONAL MATERIALS	SY	91.000
	0327- 70- 4	MILLING EXIST ASPH PAVT, 3" AVG DEPTH	SY	82.000
	0327- 70- 6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	2,560.000
	0334- 1- 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22	TN	67.000
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	261.500
	0425- 5- 1	MANHOLE, ADJUST, UTILITIES	EA	3.000
	0425- 6-	VALVE BOXES, ADJUST	EA	1.000
	0520- 1- 7	CONCRETE CURB & GUTTER, TYPE E	LF	51.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	247.000
	0520- 5- 11	TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE	LF	380.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	162.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	173.000
	0527- 2-	DETECTABLE WARNINGS	SF	86.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	363.000
	0710- 11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	63.000
	0710- 11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	52.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44208715201)	LS	1.000
Section 0002 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	2.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	4.000
	0700- 2- 14	MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF	AS	2.000
	0710- 11-290	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE	SF	13.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (44208715201)	LS	1.000
	0711- 11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	380.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	380.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.034
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.238
	0711- 16-131	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6",1C -30 SKIP OR 3-9 LANE DROP	GM	0.068
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.186
Section 0003 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	393.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	1,026.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	50.000
	0632- 7- 1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1.000
	0633- 1-111	FIBER OPTIC CABLE, F&I, OVERHEAD,2-12 FIBERS	LF	714.000
	0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	907.000

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	0633- 2- 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	24.000
	0633- 3- 14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	2.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	1.000
	0633- 3- 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	1.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	10.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	6.000
	0639- 1-113	ELECTRICAL POWER SERVICE, F&I, OVERHEAD METER NOT REQUIRED	AS	1.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	20.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	1.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	8.000
	0649- 21- 9	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-50'	EA	2.000
	0650- 1- 14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	10.000
	0650- 1- 16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	8.000
	0660- 4- 11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1.000
	0660- 4- 12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	3.000
	0663- 1-121	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, REPLACE CABINET ELECTRONICS	EA	1.000
	0663- 1-122	SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR	EA	1.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8.000
	0670- 5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION	AS	1.000
	0682- 1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	1.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	1.000
	0684- 1- 5	MANAGED FIELD ETHERNET SWITCH, ADJUST / MODIFY	EA	1.000
	0685- 1- 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	1.000
	0700- 3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2.000
	0700- 5- 22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	4.000