

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

Letting:	CT200429	Call Order: 011	Proposal: T5682	District:05
Counties:	VOLUSIA			
Road Name:	SR 44			
Limits:	FROM AIRPORT RD TO 3RD AVE AND FROM PALMETTO ST TO LIVE OAK ST			
Project(s):	43636615201	Federal Aid No:	N/A	
Project(s):	44249915201(*)	Federal Aid No:	D519065B	
Total Roadway Length:	8.043 Miles	Contract Days:	110	
Total Bridge Length:	0.000 Miles	Letting Date:	04/29/20	
Total Proposal Length:	8.043 Miles	Contract Execution Days:	10	
		Special Start Date:	N/A	
		Aquis/Flexible Start Time:	60 Calendar Days	
Proposal Budget Estimate:	\$1,944,307.00			

Please read the full advertisement

Description:

The improvements under this contract consist of The SR 44 Adaptive Traffic Signal Control (ATSC) Project includes installation of an adaptive traffic signal control system at 14 intersections along SR 44. Included in the ATSC project are cabinet upgrades for 10 of the 14 locations and 3 Bluetooth reader locations to provide for a measure of effectiveness for the ATSC system, includes pavement widening, base construction, milling and resurfacing, curb and gutters, sign relocation, sidewalk construction, signal upgrades, lighting relocation, drainage construction, and other incidental construction.

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (43636615201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (43636615201)	LS	1.000
	0102- 60-	WORK ZONE SIGN	ED	1,797.000
	0102- 61-	BUSINESS SIGN	EA	2.000
	0102- 62-	BARRIER MOUNTED WORK ZONE SIGN- INDEX 11871/700-013	ED	214.000
	0102- 71- 13	TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE	LF	350.000
	0102- 71- 23	TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE	LF	13.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	549.000
	0102- 74- 2	CHANNELIZING DEVICE, TYPE III, 6'	ED	178.000
	0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	115.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	5.000
	0102- 78-	TEMPORARY RETROREFLECTIVE PAVEMENT MARKER	EA	270.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	42.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	60.000
	0102-107- 1	TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION	ED	60.000
	0104- 10- 3	SEDIMENT BARRIER	LF	314.000
	0104- 15-	SOIL TRACKING PREVENTION DEVICE	EA	1.000
	0104- 18-	INLET PROTECTION SYSTEM	EA	2.000
	0107- 1-	LITTER REMOVAL	AC	0.390
	0107- 2-	MOWING	AC	0.230

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ALT	Item	Description	Unit	Quantity
	0108- 1-	MONITOR EXISTING STRUCTURES- INSPECTION AND SETTLEMENT MONITORING (43636615201)	LS	1.000
	0108- 2-	MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (43636615201)	LS	1.000
	0110- 1- 1	CLEARING & GRUBBING (43636615201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	268.000
	0120- 1-	REGULAR EXCAVATION	CY	248.000
	0120- 6-	EMBANKMENT	CY	2.000
	0160- 4-	TYPE B STABILIZATION	SY	441.000
	0285-709-	OPTIONAL BASE, BASE GROUP 09	SY	360.000
	0327- 70- 13	MILLING EXIST ASPH PAVT, 1 3/4" AVG DEPTH	SY	175.000
	0334- 1- 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	39.600
	0337- 7- 83	ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22	TN	51.600
	0425- 1-361	INLETS, CURB, TYPE P-6, <10'	EA	1.000
	0425- 1-531	INLETS, DITCH BOTTOM, TYPE C MODIFIED- BACK OF SIDEWALK, <10'	EA	1.000
	0425- 2- 63	MANHOLES, P-8, PARTIAL	EA	1.000
	0425- 82-	REPLACE GRATE	EA	1.000
	0430-175-115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD	LF	18.000
	0515- 1- 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF	18.000
	0520- 1- 10	CONCRETE CURB & GUTTER, TYPE F	LF	294.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	167.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	43.000
	0527- 2-	DETECTABLE WARNINGS	SF	23.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	168.000
	0710- 11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.171
	0710- 11-141	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"	GM	0.016
	0710- 11-170	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS	EA	1.000
	0710- 11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.095
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (43636615201)	LS	1.000
Section 0002 Signing				
	0700- 1- 50	SINGLE POST SIGN, RELOCATE	AS	5.000
	0710- 90-	PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43636615201)	LS	1.000
	0711- 11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	16.000
	0711- 11-141	THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"	GM	0.046
	0711- 11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4.000
	0711- 14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12" FOR CROSSWALK	LF	35.000
	0711- 16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.168
	0711- 16-131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6", 10-30 SKIP OR 3-9 LANE DROP	GM	0.046
	0711- 16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.072

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	0711- 17- 1	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS- SURFACE TO REMAIN	SF	23.000
Section 0003 Signalization				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	340.000
	0632- 7- 2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	240.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	4.000
	0646- 1- 40	ALUMINUM SIGNALS POLE, RELOCATE	EA	1.000
	0650- 1- 24	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL POLYCARBONATE W/ALUM TOP, 3 SECTION, 1 WAY	AS	1.000
	0660- 4- 52	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY ABOVE GROUND EQUIPMENT	EA	1.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1.000
	0715- 1- 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	184.000
	0715- 4- 60	LIGHT POLE COMPLETE, RELOCATE	EA	1.000
Section 0004 Intelligent Transportation System				
	0101- 1-	MOBILIZATION (44249915201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44249915201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	112.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	1,120.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	135.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	2,345.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	50.000
	0632- 7- 2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	145.000
	0633- 3- 45	FIBER OPTIC CONNECTION HARDWARE, RELOCATE PATCH PANEL, PRETERMINATED	EA	10.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	10,325.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	35.000
	0646- 1- 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	5.000
	0653- 1- 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	2.000
	0660- 4- 60	VEHICLE DETECTION SYSTEM- VIDEO, REMOVE	EA	21.000
	0660- 6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	3.000
	0663- 1-400	SIGNAL PRIORITY & PREEMPTION SYSTEM, RELOCATE	EA	10.000
	0665- 1- 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	2.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	4.000
	0671- 2- 50	TRAFFIC CONTROLLER, RELOCATE- WITHOUT CABINET	EA	10.000
	0676- 1-116	TRAFFIC SIGNAL CONTROLLER CABINET, FURNISH & INSTALL WITHOUT CONTROLLER, NEMA SIZE6, 44" W X 52" H X 24" D	EA	10.000
	0676- 1-600	TRAFFIC SIGNAL CONTROLLER CABINET, REMOVE	EA	10.000
	0680- 1-112	SYSTEM CONTROL EQUIPMENT, FURNISH & INSTALL, ADAPTIVE SIGNAL CONTROL SYSTEM- NEMA, CABINET EQUIPMENT	EA	14.000
	0680- 1-113	SYSTEM CONTROL EQUIPMENT, FURNISH & INSTALL, ADAPTIVE SIGNAL CONTROL SYSTEM- NEMA, ABOVE GROUND EQUIPMENT	EA	51.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	3.000
	0684- 1- 4	MANAGED FIELD ETHERNET SWITCH, RELOCATE	EA	7.000

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	0684- 1- 6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	3.000
	0684- 6- 13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	1.000
	0684- 6- 60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	2.000
	0685- 1- 13	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET	EA	14.000
	0715- 4- 11	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT	EA	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44249915201)	LS	1.000