

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: CT190424 Call Order: 019 Proposal: T5662 District:05
 Counties: DIST/ST-WIDE, MARION, SUMTER
 Road Name: I-75
 Limits: AT VARIOUS LOCATIONS AS INDICATED IN PLANS
 Project(s): 44090015201(*) Federal Aid No: D519026B
 Project(s): 44090025201 Federal Aid No: D519027B
 Total Roadway Length: 45.536 Miles Contract Days: 550
 Total Bridge Length: 0.000 Miles Letting Date: 04/24/19
 Total Proposal Length: 45.536 Miles Contract Execution Days: 10
 Special Start Date: N/A
 Aquis/Flexible Start Time: 60 Calendar Days
 Proposal Budget Estimate: \$6,101,146.00

Please read the full advertisement

Description:

The improvements under this contract consist of I-75 Florida - Regional Advanced Mobility Elements FRAME. This project will add additional technology along I-75 and signalized intersections located parallel to I-75 in Sumter and Marion Counties to provide Connected Vehicle CV functionality and signal data optimization. The project includes the installation of fiber optic cable conduit loops and roadside units RSUs that include Dedicated Short-Range Communications DSRC radios the installation of RSUs will allow for the transmission of Signal Phase and Timing SPAT data CV emergency vehicle preemption VP and CV transit signal priority TSP applications.

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (44090015201)	LS	1.000
	0101- 1-	MOBILIZATION (44090025201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44090015201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44090025201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	216.000
	0102- 60-	WORK ZONE SIGN	ED	644.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	1,831.000
	0102- 74- 7	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	LF	70.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	74.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	23.000
	0102-104-	TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION	ED	13,200.000
	0110- 1- 1	CLEARING & GRUBBING (44090015201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44090015201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44090025201)	LS	1.000
Section 0002 Intelligent Transportation System				
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	295.000
	0522- 1-	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	295.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	79,634.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	97,321.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	453.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	5,936.000

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	0633- 1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	187,521.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	1,718.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	26.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	61.000
	0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	720.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	27.000
	0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	1.000
	0633- 8- 6	MULTI-CONDUCTOR COMMUNICATION CABLE, REMOVE	LF	50.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	32.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	215.000
	0635- 2- 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	30.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	1,960.000
	0660- 1-109	LOOP DETECTOR INDUCTIVE, F&I, TYPE 9	EA	75.000
	0660- 1-110	LOOP DETECTOR INDUCTIVE, F&I, TYPE 10	EA	2.000
	0660- 2-101	LOOP ASSEMBLY- F&I, TYPE A	AS	9.000
	0660- 2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	60.000
	0660- 4- 41	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE CABINET EQUIPMENT	EA	2.000
	0660- 4- 51	VEHICLE DETECTION SYSTEM- VIDEO, ADJUST/MODIFY CABINET EQUIPMENT	EA	12.000
	0660- 6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	23.000
	0660- 6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	23.000
	0670- 5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 2 PREEMPTION	AS	6.000
	0670- 5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	12.000
	0670- 5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET	AS	6.000
	0671- 2- 11	TRAFFIC CONTROLLER WITHOUT CABINET, F&I IN EXISTING CABINET, NEMA	EA	18.000
	0671- 2- 60	TRAFFIC CONTROLLER, REMOVE- CABINET TO REMAIN	EA	18.000
	0676- 2-400	ITS CABINET, RELOCATE	EA	3.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	7.000
	0682- 1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	2.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	63.000
	0684- 1- 6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	37.000
	0684- 6- 13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	3.000
	0684- 6- 60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	7.000
	0685-504-	SYSTEM AUXILLIARIES, POWER DISTRIBUTION UNIT- PROJECTS 440900-1 AND 440900-2	EA	63.000
	0918-690- 11	CONNECTED VEHICLE EQUIPMENT, RSU- FURNISH & INSTALL, PROJECT 440900-1-52-01	EA	104.000