

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 08210511 Call Order: 007 Proposal: E8T03 District:08

Counties: TURNPIKE

Road Name: CONNECTED VEHICLE DEPLOYMENT SR91 MP 255-267 & SR 528 MP 0-8

Limits: 75470000

Project(s): 44262715201(*) Federal Aid No: N/A

Total Roadway Length:	40.842 Miles	Contract Days:	461
Total Bridge Length:	0.000 Miles	Letting Date:	05/11/21
Total Proposal Length:	40.842 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	90

Proposal Budget Estimate: \$3,747,790.00

Please read the full advertisement

Description:

Work consists of providing all labor, materials, equipment and incidentals necessary for CV technology device installations along the Beachline (SR 528) from MP 0 - MP 8 and along the Turnpike Mainline (SR 91) from MP 255 (Orlando South Interchange) to MP 267 (SR 408 Interchange) in Orange County. Roadside units, including cameras, LiDAR detectors and Wrong-Way Driving Systems will also be installed. No Pre-Bid Conference. Contractor must be prequalified.

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

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (44262715201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44262715201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	512.000
	0102- 60-	WORK ZONE SIGN	ED	9,915.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	1,916.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	62.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	97.000
	0102-115-	TYPE III BARRICADE	ED	124.000
	0102-150- 1	PORTABLE REGULATORY, SIGN	ED	124.000
	0102-150- 2	RADAR SPEED DISPLAY UNIT	ED	124.000
	0104- 10- 3	SEDIMENT BARRIER	LF	1,696.000
	0110- 1- 1	CLEARING & GRUBBING (44262715201)	LS	1.000
	0515- 1- 1	PIPE HANDRAIL - GUIDERAIL, STEEL	LF	116.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	102.000
	0639- 8- 45	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), PROJECT 442627-1-52-01 (DO NOT BID) (44262715201)	LS	1.000
	0999- 16-	PARTNERING, DO NOT BID (44262715201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44262715201)	LS	1.000
Section 0002 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	20.000
	0700- 1- 12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	2.000

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	0700- 6- 11	HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, UP TO 12 SF	AS	20.000
	0700- 11-131	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, SPEED FEEDBACK SIGN, UP TO 12 SF	AS	3.000
	0700- 12- 11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	2.000
Section 0003 Signalization				
	0920-681- 3	CONNECTED VEHICLE ROAD SIDE UNIT, PROJECT 442627-1-52-01	EA	50.000
Section 0004 Intelligent Transportation System				
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	17,354.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	4,019.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	612.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	16,750.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	46.000
	0633- 2- 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	556.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	6.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	30.000
	0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	6.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	2,055.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	79.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	28.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	2.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	22,588.000
	0639- 2- 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	2,540.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	28.000
	0639- 3- 60	ELECTRICAL SERVICE DISCONNECT, REMOVE- POLE OR CABINET TO REMAIN	EA	2.000
	0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	31.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	6.000
	0641- 2- 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	16.000
	0660- 3- 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1.000
	0660- 3- 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1.000
	0660- 7- 11	VEHICLE DETECTION SYSTEM- WRONG WAY FOR EXIT RAMP, 1 OR 2 LANES	EA	5.000
	0660-100- 1	VEHICLE DETECTORS, LIDAR CABINET EQUIPMENT, PROJECT 442627-1-52-01	EA	38.000
	0676- 2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	23.000
	0676- 2-600	ITS CABINET- REMOVE	EA	5.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	1.000
	0676- 3- 30	SMALL EQUIPMENT ENCLOSURE, INSTALL, >10" W x 13" H x 11" D	EA	1.000
	0676- 3- 60	SMALL EQUIPMENT ENCLOSURE, REMOVE- POST/CABINET TO REMAIN	EA	1.000

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	0682- 1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	3.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	29.000
	0684- 2- 1	DEVICE SERVER, FURNISH & INSTALL	EA	1.000
	0684- 5- 1	MEDIA CONVERTER, FURNISH & INSTALL	EA	7.000
	0684- 5- 6	MEDIA CONVERTER, REMOVE- CABINET TO REMAIN	EA	1.000
	0685- 1- 12	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, ONLINE/DOUBLE CONVERSION	EA	28.000
	0685- 2- 1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA	32.000