

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 08230509 Call Order: 012 Proposal: E8U32 District:08

Counties: TURNPIKE

Road Name: SYSTEM WIDE QUEUE WARNING (SR 91 AND SR 429) - OTHER ITS

Limits: 18470000

Project(s): 44925335201(*) Federal Aid No: N/A

Project(s): 44925335202 Federal Aid No: N/A

Total Roadway Length:	5.540 Miles	Contract Days:	401
Total Bridge Length:	0.000 Miles	Letting Date:	05/09/23
Total Proposal Length:	5.540 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	120

Proposal Budget Estimate: \$4,374,854.00

Please read the full advertisement

Description:

Work consists of providing all labor, materials, equipment and incidentals necessary for installing Queue Warning System involving CCTV, MVDS, DMS, Fiber Optic Cable, and ancillary ITS devices at the following FTE maintained roadway systems. Miscellaneous shoulder and swale regrading and gravity wall installation are required to install ITS cabinet and CCTV poles at some locations of the project.

FPID 449253-3-52-01:

- SR 91 MM 65.6 in Broward County
- SR 91 MM 105.5 Northbound in Palm Beach County
- SR 91 MM 106.3 Northbound in Palm Beach County
- SR 91 MM 242.8 Southbound in Osceola County
- SR 91 MM 265.1 Northbound in Orange County
- SR 91 MM 267.8 Southbound in Orange County
- SR 429 MM 5.8 Southbound in Orange County
- SR 91 MM 304.0 Northbound in Sumter County

FPID 449253-3-52-02:

SR 821 (HEFT) from MM 43-47 in Miami-Dade & Broward Counties
 No Pre-Bid Conference. Contractor must be prequalified.

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ALT	Item	Description	Unit	Quantity
Section 0001 Roadway				
	0101- 1-	MOBILIZATION (44925335201)	LS	1.000
	0101- 1-	MOBILIZATION (44925335202)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44925335201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44925335202)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	313.000
	0102- 60-	WORK ZONE SIGN	ED	17,695.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	22,250.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	16.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	1,476.000
	0102-115-	TYPE III BARRICADE	ED	117.000
	0102-150- 1	PORTABLE REGULATORY, SIGN	ED	12.000
	0102-150- 2	RADAR SPEED DISPLAY UNIT	ED	4.000
	0104- 10- 3	SEDIMENT BARRIER	LF	6,765.000

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ALT	Item	Description	Unit	Quantity
	0110- 1- 1	CLEARING & GRUBBING (44925335201)	LS	1.000
	0120- 1-	REGULAR EXCAVATION	CY	16.700
	0120- 6-	EMBANKMENT	CY	24.000
	0350- 3- 1	PLAIN CEMENT CONCRETE PAVEMENT, 6"	SY	19.000
	0522- 2-	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	54.000
	0536- 1- 1	GUARDRAIL -ROADWAY, GENERAL TL-3	LF	25.000
	0536- 73-	GUARDRAIL REMOVAL	LF	25.000
	0570- 1- 1	PERFORMANCE TURF	SY	210.000
	0639- 8-100	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), DUKE (DO NOT BID) (44925335201)	LS	1.000
	0639- 8-110	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), SECO (DO NOT BID) (44925335201)	LS	1.000
	0639- 8-130	ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), FPL (DO NOT BID) (44925335201)	LS	1.000
	0999- 16-	PARTNERING, DO NOT BID (44925335201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44925335201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44925335202)	LS	1.000
Section 0002 Signing				
	0700- 1- 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	12.000
	0700- 1- 60	SINGLE POST SIGN, REMOVE	AS	6.000
	0700- 2- 50	MULTI- POST SIGN, GROUND MOUNT, RELOCATE	AS	1.000
	0700- 6- 21	HIGHLIGHTED SIGN, F&I GROUND MOUNT- SOLAR POWERED, UP TO 12 SF	AS	12.000
	0700- 9-137	WALK-IN DYNAMIC MESSAGE SIGN, FURNISH & INSTALL- WITH UPS FULL COLOR, 201-300 SF	EA	4.000
	0700- 10-123	DMS SUPPORT STRUCTURE, CANTILEVER, 31-40 FT	EA	1.000
	0700- 10-124	DMS SUPPORT STRUCTURE, CANTILEVER, 41-50 FT	EA	3.000
	0700- 13- 12	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 2'	EA	12.000
	0700- 13- 15	RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'	EA	12.000
Section 0003 Intelligent Transportation System				
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	2.860
	0611- 2- 2	ITSFM LOCATION DOCUMENTATION- ITS SITE	EA	12.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	8,940.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	3,590.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	1,060.000
	0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	1,655.000
	0633- 1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	8,020.000
	0633- 2- 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	184.000
	0633- 2- 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	6.000
	0633- 3- 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	2.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	17.000
	0633- 3- 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	1.000
	0633- 3- 14	FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT	EA	3.000
	0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	10.000

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	0633- 3- 51	FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE	EA	4.000
	0633- 6-	FIBER OPTIC CABLE LOCATOR	DA	802.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	835.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	64.000
	0635- 2- 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA	22.000
	0639- 1-122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	5.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	10,245.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	14.000
	0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	5.000
	0641- 2- 11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	11.000
	0641- 2- 13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	2.000
	0641- 2- 19	PRESTRESSED CONCRETE POLE, F&I, CUSTOM DESIGN	EA	1.000
	0641- 3-169	CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 69'	EA	2.000
	0646- 2-115	ALUMINUM POLE- INDEX 695-001, FURNISH & INSTALL, 15'	EA	3.000
	0646- 2-120	ALUMINUM POLE- INDEX 695-001, FURNISH & INSTALL, 20'	EA	3.000
	0660- 3- 11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	4.000
	0660- 3- 12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	4.000
	0660- 6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	4.000
	0660- 6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	4.000
	0660- 7- 32	VEHICLE DETECTION SYSTEM- WRONG WAY FOR EXIT RAMP, 3 OR MORE LANES, SOLAR POWERED	EA	3.000
	0676- 2-122	ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D	EA	2.000
	0676- 2-143	ITS CABINET, FURNISH & INSTALL, BASE MOUNT, 334, 24" W X 66" H X 30" D	EA	3.000
	0676- 2-147	ITS CABINET, FURNISH & INSTALL, BASE MOUNT WITH SUNSHIELD, 332D 66" H x 48" W x 30" D	EA	4.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	5.000
	0682- 1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	3.000
	0684- 1- 1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	6.000
	0684- 2- 1	DEVICE SERVER, FURNISH & INSTALL	EA	2.000
	0684- 5- 1	MEDIA CONVERTER, FURNISH & INSTALL	EA	6.000
	0685- 1- 11	UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE	EA	6.000
	0685- 2- 1	REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL	EA	6.000