

Florida Department of Transportation
Bid Solicitation Notice and Approximate Quantities

Letting: 08211214 Call Order: 002 Proposal: E8T40 District:08

Counties: TURNPIKE

Road Name: POWER SYSTEM HARDENING FOR ITS INFRASTRUCTURE - OTHER ITS

Limits: Midpoint

Project(s): 44497815201(*) Federal Aid No: N/A

Total Roadway Length:	0.000 Miles	Contract Days:	451
Total Bridge Length:	0.000 Miles	Letting Date:	12/14/21
Total Proposal Length:	0.000 Miles	Contract Execution Days:	10
		Special Start Date:	N/A
		Aquis/Flexible Start Time:	120

Proposal Budget Estimate: \$3,311,830.00

Please read the full advertisement

Description:

Work consists of providing all labor, materials, equipment and incidentals necessary for providing back-up power to the twenty-three (23) ITS Power Distribution Subsystems (PDSs) District-wide including along Homestead Extension of Floridas Turnpike (HEFT) (SR 821) from MP 1.274 to MP 1.411 in Miami Dade County, Floridas Turnpike (SR 91) from MP 73.708 to MP 308.544 in Palm Beach, Martin, Saint Lucie, Okeechobee, Osceola, Orange, Sumter Counties and Seminole Expressway (SR 417) from MP 44.563 to MP 48.476 in Seminole County to feed Dynamic Message Signs (DMSs) and Closed-Circuit Television (CCTV) cameras that are key assets to the FTEs emergency evacuation route. The back-up power includes diesel fuel generators and Automatic Transfer Switches (ATSs) at or near each commercial power supply location to substitute the conventional power during outages for a minimum of 72 hours without refueling. The backup generators shall communicate with TMCs through the Ethernet IP network. No Pre-Bid Conference. Contractor must be prequalified in Electrical Work.

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 (44497815201)	LS	1.000
	0102- 1-	MAINTENANCE OF TRAFFIC (44497815201)	LS	1.000
	0102- 14-	TRAFFIC CONTROL OFFICER	HR	184.000
	0102- 60-	WORK ZONE SIGN	ED	16,296.000
	0102- 74- 1	CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD	ED	644.000
	0102- 74- 8	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	FD	54.000
	0102- 76-	ARROW BOARD / ADVANCE WARNING ARROW PANEL	ED	23.000
	0102- 99-	PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY	ED	44.000
	0102-150- 1	PORTABLE REGULATORY, SIGN	ED	23.000
	0102-150- 2	RADAR SPEED DISPLAY UNIT	ED	23.000
	0104- 10- 3	SEDIMENT BARRIER	LF	4,175.000
	0107- 1-	LITTER REMOVAL	AC	70.940
	0107- 2-	MOWING	AC	70.940
	0110- 1- 1	CLEARING & GRUBBING (44497815201)	LS	1.000
	0110- 4- 10	REMOVAL OF EXISTING CONCRETE	SY	76.000
	0400- 0- 11	CONCRETE CLASS NS, GRAVITY WALL INDEX 400-011	CY	154.000
	0415- 1- 6	REINFORCING STEEL- MISCELLANEOUS	LB	7,128.000
	0550- 10-221	FENCING, TYPE B, 5.1-6.0', W/ BARB WIRE ATTMT	LF	67.000

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ALT	Item	Description	Unit	Quantity
	0550- 60-222	FENCE GATE, TYPE B, DOUBLE, 6.1-12.0' OPENING	EA	3.000
	0570- 1- 2	PERFORMANCE TURF, SOD	SY	116.000
	0999- 16-	PARTNERING, DO NOT BID (44497815201)	LS	1.000
	0999- 25-	INITIAL CONTINGENCY AMOUNT, DO NOT BID (44497815201)	LS	1.000
Section 0002 Intelligent Transportation System				
	0611- 1- 1	ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH	MI	9.000
	0611- 2- 2	ITSFM LOCATION DOCUMENTATION- ITS SITE	EA	86.000
	0630- 2- 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	10,057.000
	0630- 2- 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	6,913.000
	0630- 2- 14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND	LF	1,465.000
	0633- 1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	9,898.000
	0633- 2- 32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	156.000
	0633- 3- 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	13.000
	0633- 3- 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	13.000
	0633- 3- 16	FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED	EA	13.000
	0633- 3- 17	FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL	EA	13.000
	0633- 8- 1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	2,286.000
	0635- 2- 11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE	EA	83.000
	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	4.000
	0639- 1-620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	5.000
	0639- 2- 1	ELECTRICAL SERVICE WIRE, FURNISH & INSTALL	LF	14,799.000
	0639- 2- 6	ELECTRICAL SERVICE WIRE, REMOVE	LF	944.000
	0639- 3- 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	91.000
	0639- 3- 60	ELECTRICAL SERVICE DISCONNECT, REMOVE- POLE OR CABINET TO REMAIN	EA	3.000
	0639- 5- 23	EMERGENCY GENERATOR- PERMANENT, UP TO 25 KW, PROJECT 444978-1-52-01	EA	8.000
	0639- 5- 24	EMERGENCY GENERATOR- PERMANENT, REMOVE, PROJECT 444978-1-52-01	EA	5.000
	0639- 5- 29	EMERGENCY GENERATOR- PERMANENT, 25-50 KW, PROJECT 444978-1-52-01	EA	14.000
	0639- 6- 1	ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL	EA	14.000
	0641- 2- 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE	EA	69.000
	0676- 3- 10	SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D	EA	45.000
	0684- 5- 1	MEDIA CONVERTER, FURNISH & INSTALL	EA	52.000