

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

Letting: 08220517                      Call Order: 001      Proposal: E8T77                      District:08

Counties:            TURNPIKE

Road Name:        NORTHERN & SOUTHERN QUEUE WARNING SYSTEM

Limits:              10470000

Project(s): 44925315201(\*)                      Federal Aid No: N/A

Project(s): 44925325201                      Federal Aid No: N/A

|                        |              |                            |          |
|------------------------|--------------|----------------------------|----------|
| Total Roadway Length:  | 12.532 Miles | Contract Days:             | 440      |
| Total Bridge Length:   | 0.000 Miles  | Letting Date:              | 05/17/22 |
| Total Proposal Length: | 12.532 Miles | Contract Execution Days:   | 10       |
|                        |              | Special Start Date:        | N/A      |
|                        |              | Aquis/Flexible Start Time: | 30       |

Proposal Budget Estimate:                      \$5,080,295.00

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 Florida's Turnpike Enterprise 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.  
 SR 821 from MP 0.290 to MP 17.655 in Miami-Dade County,  
 SR 91 from MP 67.1 to MP 67.2 in Broward County,  
 SR 869 from MP 17.507 to MP 20896 in Broward County,  
 SR 91 from MP 73.6 to MP 73.7 in Palm Beach County,  
 SR 429 from MP 0.000 to MP 2.900 in Osceola County,  
 SR 528 from MP 4.700 to MP 4.800 in Orange County,  
 SR 91 from MP 272.5 to MP 272.6 in Orange County,  
 SR 589 from MP 0.437 to MP 4.75 in Hillsborough County, and  
 SR 589 from MP 6.500 to MP 6.600 in Hillsborough County.  
 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  |
|-----------------------------|-------------|--------------------------------------------------------|------|-----------|
| <b>Section 0001 Roadway</b> |             |                                                        |      |           |
|                             | 0101- 1-    | MOBILIZATION (44925315201)                             | LS   | 1.000     |
|                             | 0101- 1-    | MOBILIZATION (44925325201)                             | LS   | 1.000     |
|                             | 0102- 1-    | MAINTENANCE OF TRAFFIC (44925315201)                   | LS   | 1.000     |
|                             | 0102- 1-    | MAINTENANCE OF TRAFFIC (44925325201)                   | LS   | 1.000     |
|                             | 0102- 14-   | TRAFFIC CONTROL OFFICER                                | HR   | 562.000   |
|                             | 0102- 60-   | WORK ZONE SIGN                                         | ED   | 2,275.000 |
|                             | 0102- 74- 1 | CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD | ED   | 3,020.000 |
|                             | 0102- 76-   | ARROW BOARD / ADVANCE WARNING ARROW PANEL              | ED   | 78.000    |
|                             | 0102- 99-   | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY            | ED   | 543.000   |
|                             | 0102-115-   | TYPE III BARRICADE                                     | ED   | 42.000    |
|                             | 0102-150- 1 | PORTABLE REGULATORY, SIGN                              | ED   | 60.000    |
|                             | 0102-150- 2 | RADAR SPEED DISPLAY UNIT                               | ED   | 20.000    |
|                             | 0104- 10- 3 | SEDIMENT BARRIER                                       | LF   | 4,315.000 |
|                             | 0104- 18-   | INLET PROTECTION SYSTEM                                | EA   | 12.000    |

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|-------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------|------|------------|
|                                                       | 0120- 1-     | REGULAR EXCAVATION                                                                                    | CY   | 15.000     |
|                                                       | 0120- 6-     | EMBANKMENT                                                                                            | CY   | 25.000     |
|                                                       | 0400- 0- 11  | CONCRETE CLASS NS, GRAVITY WALL INDEX 400-011                                                         | CY   | 3.300      |
|                                                       | 0515- 1- 1   | PIPE HANDRAIL - GUIDERAIL, STEEL                                                                      | LF   | 21.000     |
|                                                       | 0522- 2-     | CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK                                                             | SY   | 108.000    |
|                                                       | 0570- 1- 1   | PERFORMANCE TURF                                                                                      | SY   | 166.000    |
|                                                       | 0639- 8-100  | ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), DUKE (DO NOT BID) (44925315201) | LS   | 1.000      |
|                                                       | 0639- 8-130  | ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), FPL (DO NOT BID) (44925325201)  | LS   | 1.000      |
|                                                       | 0639- 8-141  | ELECTRICAL POWER SERVICE- CONTRIBUTION IN AID OF CONSTRUCTION (CIAC), COH (DO NOT BID) (44925325201)  | LS   | 1.000      |
|                                                       | 0999- 16-    | PARTNERING, DO NOT BID (44925315201)                                                                  | LS   | 1.000      |
|                                                       | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (44925315201)                                                  | LS   | 1.000      |
|                                                       | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (44925325201)                                                  | LS   | 1.000      |
| <b>Section 0002 Signing</b>                           |              |                                                                                                       |      |            |
|                                                       | 0700- 2- 50  | MULTI- POST SIGN, GROUND MOUNT, RELOCATE                                                              | AS   | 4.000      |
|                                                       | 0700- 9-137  | WALK-IN DYNAMIC MESSAGE SIGN, FURNISH & INSTALL- WITH UPS FULL COLOR, 201-300 SF                      | EA   | 8.000      |
|                                                       | 0700- 9-600  | WALK-IN DYNAMIC MESSAGE SIGN, REMOVE                                                                  | EA   | 2.000      |
|                                                       | 0700- 10-118 | DMS SUPPORT STRUCTURE, FURNISH & INSTALL, SPAN, 201 FT AND GREATER                                    | EA   | 1.000      |
|                                                       | 0700- 10-124 | DMS SUPPORT STRUCTURE, CANTILEVER, 41-50 FT                                                           | EA   | 5.000      |
|                                                       | 0700- 10-500 | DMS SUPPORT STRUCTURE, MODIFY                                                                         | LS   | 1.000      |
|                                                       | 0700- 10-600 | DMS SUPPORT STRUCTURE, REMOVE                                                                         | EA   | 1.000      |
| <b>Section 0003 Intelligent Transportation System</b> |              |                                                                                                       |      |            |
|                                                       | 0611- 1- 1   | ITSFM SUBSURFACE DOCUMENTATION- PROJECT LENGTH                                                        | MI   | 23.002     |
|                                                       | 0611- 2- 2   | ITSFM LOCATION DOCUMENTATION- ITS SITE                                                                | EA   | 14.000     |
|                                                       | 0630- 2- 11  | CONDUIT, FURNISH & INSTALL, OPEN TRENCH                                                               | LF   | 10,880.000 |
|                                                       | 0630- 2- 12  | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE                                                          | LF   | 6,760.000  |
|                                                       | 0630- 2- 14  | CONDUIT, FURNISH & INSTALL, ABOVEGROUND                                                               | LF   | 2,325.000  |
|                                                       | 0633- 1-121  | FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS                                                       | LF   | 3,335.000  |
|                                                       | 0633- 1-122  | FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS                                                      | LF   | 12,490.000 |
|                                                       | 0633- 2- 31  | FIBER OPTIC CONNECTION, INSTALL, SPLICE                                                               | EA   | 60.000     |
|                                                       | 0633- 2- 32  | FIBER OPTIC CONNECTION, INSTALL, TERMINATION                                                          | EA   | 386.000    |
|                                                       | 0633- 3- 11  | FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE                                                | EA   | 4.000      |
|                                                       | 0633- 3- 12  | FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY                                                     | EA   | 2.000      |
|                                                       | 0633- 3- 14  | FIBER OPTIC CONNECTION HARDWARE, F&I, BUFFER TUBE FAN OUT KIT                                         | EA   | 42.000     |
|                                                       | 0633- 3- 16  | FIBER OPTIC CONNECTION HARDWARE, F&I, PATCH PANEL- FIELD TERMINATED                                   | EA   | 23.000     |
|                                                       | 0633- 3- 17  | FIBER OPTIC CONNECTION HARDWARE, F&I, CONNECTOR PANEL                                                 | EA   | 46.000     |
|                                                       | 0633- 3- 41  | FIBER OPTIC CONNECTION HARDWARE, RELOCATE SPLICE ENCLOSURE                                            | EA   | 1.000      |
|                                                       | 0633- 3- 51  | FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY SPLICE ENCLOSURE                                       | EA   | 10.000     |
|                                                       | 0633- 3- 56  | FIBER OPTIC CONNECTION HARDWARE, ADJUST/MODIFY PATCH PANEL                                            | EA   | 1.000      |

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|     | 0633- 6-    | FIBER OPTIC CABLE LOCATOR                                                                | DA   | 880.000    |
|     | 0633- 8- 1  | MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL                                   | LF   | 360.000    |
|     | 0635- 2- 11 | PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE                                             | EA   | 82.000     |
|     | 0635- 2- 12 | PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE                                             | EA   | 36.000     |
|     | 0635- 2- 13 | PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE                    | EA   | 3.000      |
|     | 0639- 1-112 | ELECTRICAL POWER SERVICE, F&I, OVERHEAD METER PURCHASED BY CONTRACTOR FROM POWER COMPANY | AS   | 1.000      |
|     | 0639- 1-122 | ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR                | AS   | 7.000      |
|     | 0639- 2- 1  | ELECTRICAL SERVICE WIRE, FURNISH & INSTALL                                               | LF   | 18,510.000 |
|     | 0639- 3- 11 | ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT                                           | EA   | 30.000     |
|     | 0639- 6- 1  | ELECTRICAL POWER SERVICE- TRANSFORMER FURNISH & INSTALL                                  | EA   | 15.000     |
|     | 0641- 2- 11 | PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL                                       | EA   | 20.000     |
|     | 0641- 2- 12 | PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE                                   | EA   | 1.000      |
|     | 0641- 2- 19 | PRESTRESSED CONCRETE POLE, F&I, CUSTOM DESIGN                                            | EA   | 5.000      |
|     | 0641- 3-163 | CONCRETE CCTV POLE, FURNISH & INSTALL WITH LOWERING DEVICE, 63'                          | EA   | 1.000      |
|     | 0660- 3- 11 | VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT                 | EA   | 10.000     |
|     | 0660- 3- 12 | VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT           | EA   | 9.000      |
|     | 0660- 6-121 | VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT           | EA   | 7.000      |
|     | 0660- 6-122 | VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT      | EA   | 7.000      |
|     | 0676- 2-122 | ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D   | EA   | 7.000      |
|     | 0676- 2-145 | ITS CABINET, FURNISH & INSTALL, BASE MOUNT WITH SUNSHIELD, P44 55" H x 26" W x 44" D     | EA   | 8.000      |
|     | 0676- 2-600 | ITS CABINET- REMOVE                                                                      | EA   | 2.000      |
|     | 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   | 15.000     |
|     | 0684- 2- 1  | DEVICE SERVER, FURNISH & INSTALL                                                         | EA   | 10.000     |
|     | 0684- 5- 1  | MEDIA CONVERTER, FURNISH & INSTALL                                                       | EA   | 14.000     |
|     | 0685- 1- 11 | UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE                      | EA   | 15.000     |
|     | 0685- 2- 1  | REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL                                  | EA   | 15.000     |