

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

Letting: 05211005 Call Order: 001 Proposal: E56A8 District:05

Counties: ORANGE

Road Name: SR 500

Limits: 75010000

Project(s): 44739515201(\*)

Federal Aid No: N/A

Total Roadway Length: 2.200 Miles Contract Days: 350

Total Bridge Length: 0.000 Miles Letting Date: 10/05/21

Total Proposal Length: 2.200 Miles Contract Execution Days: 10

Special Start Date: N/A

Aquis/Flexible Start Time: 120

Proposal Budget Estimate: \$3,811,673.00

Please read the full advertisement

Description:

The Improvements under this Contract consist of milling and resurfacing SR 500 (Orange Blossom Trail) from Holden Ave to 34th St and pedestrian safety improvements. The project is approximately 1.2 miles in Orange County, FL. Work includes milling and resurfacing, curb reconstruction, sidewalk reconstruction, raised mid-block crosswalk construction, pedestrian refuge construction, curb return reconstruction, in-road lighting, pedestrian hybrid beacons, signalization, signing, striping, and lighting.

PREQUALIFICATION REQUIRED

**Call Order: 001 Proposal: E56A8**

| ALT                         | Item         | Description  | Unit | Quantity   |
|-----------------------------|--------------|--|------|------------|
| <b>Section 0001 Roadway</b> |              |  |      |            |
|                             | 0101- 1-     | MOBILIZATION (44739515201)   | LS   | 1.000      |
|                             | 0102- 1-     | MAINTENANCE OF TRAFFIC (44739515201)                                       | LS   | 1.000      |
|                             | 0102- 14-    | TRAFFIC CONTROL OFFICER  | HR   | 76.000     |
|                             | 0102- 60-    | WORK ZONE SIGN   | ED   | 24,736.000 |
|                             | 0102- 61-    | BUSINESS SIGN  | EA   | 96.000     |
|                             | 0102- 74- 1  | CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD                     | ED   | 82,565.000 |
|                             | 0102- 74- 8  | CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)     | FD   | 3,672.000  |
|                             | 0102- 76-    | ARROW BOARD / ADVANCE WARNING ARROW PANEL                                  | ED   | 767.000    |
|                             | 0102- 78- 1  | TEMPORARY RAISED/RETROREFLECTIVE PAVEMENT MARKER, TYPE D                   | EA   | 208.000    |
|                             | 0102- 99-    | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY                                | ED   | 1,506.000  |
|                             | 0102-104-    | TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION                      | ED   | 1,750.000  |
|                             | 0102-107- 1  | TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION                  | ED   | 700.000    |
|                             | 0102-115-    | TYPE III BARRICADE   | ED   | 824.000    |
|                             | 0102-909-    | TEMPORARY RAISED RUMBLE STRIPS- PER DAY, INCLUDES ALL SETS AND RELOCATIONS | DA   | 104.000    |
|                             | 0102-913- 24 | REMOVABLE TAPE, WHITE, 12" CROSSWALK                                       | LF   | 292.000    |
|                             | 0104- 18-    | INLET PROTECTION SYSTEM  | EA   | 54.000     |
|                             | 0107- 1-     | LITTER REMOVAL   | AC   | 36.780     |
|                             | 0107- 2-     | MOWING   | AC   | 5.650      |
|                             | 0108- 2-     | MONITOR EXISTING STRUCTURES- VIBRATION MONITORING (44739515201)            | LS   | 1.000      |

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|                             | 0110- 1- 1   | CLEARING & GRUBBING (44739515201)   | LS   | 1.000      |
|                             | 0110- 4- 10  | REMOVAL OF EXISTING CONCRETE  | SY   | 2,820.000  |
|                             | 0120- 2- 2   | BORROW EXCAVATION, TRUCK MEASURE  | CY   | 1,788.400  |
|                             | 0327- 70- 6  | MILLING EXISTING ASPHALT PAVEMENT, 1 1/2" AVG DEPTH   | SY   | 44,976.000 |
|                             | 0327- 70- 16 | MILLING EXISTING ASPHALT PAVEMENT, 1/2" AVG DEPTH   | SY   | 931.000    |
|                             | 0337- 7- 83  | ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22                              | TN   | 4,191.400  |
|                             | 0425- 1-355  | INLETS, CURB, TYPE P-5, PARTIAL   | EA   | 3.000      |
|                             | 0425- 5-     | MANHOLE, ADJUST   | EA   | 4.000      |
|                             | 0425- 5- 1   | MANHOLE, ADJUST, UTILITIES  | EA   | 4.000      |
|                             | 0425- 6-     | VALVE BOXES, ADJUST   | EA   | 5.000      |
|                             | 0436- 1- 1   | TRENCH DRAIN, STANDARD  | LF   | 147.000    |
|                             | 0515- 1- 2   | PIPE HANDRAIL - GUIDERAIL, ALUMINUM   | LF   | 109.000    |
|                             | 0519- 78-    | BOLLARDS  | EA   | 73.000     |
|                             | 0520- 1- 7   | CONCRETE CURB & GUTTER, TYPE E  | LF   | 446.000    |
|                             | 0520- 1- 10  | CONCRETE CURB & GUTTER, TYPE F  | LF   | 2,448.000  |
|                             | 0520- 2- 2   | CONCRETE CURB, TYPE B   | LF   | 474.000    |
|                             | 0520- 2- 4   | CONCRETE CURB, TYPE D   | LF   | 285.000    |
|                             | 0520- 5- 11  | TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE  | LF   | 62.000     |
|                             | 0522- 1-     | CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK   | SY   | 1,595.000  |
|                             | 0522- 2-     | CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK   | SY   | 759.000    |
|                             | 0527- 2-     | DETECTABLE WARNINGS   | SF   | 960.000    |
|                             | 0570- 1- 2   | PERFORMANCE TURF, SOD   | SY   | 2,952.000  |
|                             | 0580- 1- 1   | LANDSCAPE COMPLETE- SMALL PLANTS (44739515201)  | LS   | 1.000      |
|                             | 0580- 1- 2   | LANDSCAPE COMPLETE- LARGE PLANTS (44739515201)  | LS   | 1.000      |
|                             | 0710- 11-101 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"                                       | GM   | 2.460      |
|                             | 0710- 11-123 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"         | LF   | 6,064.000  |
|                             | 0710- 11-124 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"              | LF   | 138.000    |
|                             | 0710- 11-125 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"           | LF   | 8,384.000  |
|                             | 0710- 11-131 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE                | GM   | 3.070      |
|                             | 0710- 11-141 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6" | GM   | 0.100      |
|                             | 0710- 11-201 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"                                      | GM   | 1.850      |
|                             | 0710- 11-224 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"             | LF   | 34.000     |
|                             | 0914-550- 17 | FENCING- PEDESTRIAN BARRIER, P1 STEEL LOOP, PROJECT 447395-1-52-01                          | LF   | 4,932.000  |
|                             | 0920-520- 2  | RAISED CROSSWALK, TYPE RC CURB WITH PLATE/GRATE, PROJECT 447395-1-52-01                     | LF   | 648.000    |
|                             | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID  | LS   | 1.000      |
| <b>Section 0002 Signing</b> |              |   |      |            |
|                             | 0700- 1- 11  | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF   | AS   | 48.000     |
|                             | 0700- 1- 12  | SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF  | AS   | 16.000     |
|                             | 0700- 1- 13  | SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF  | AS   | 1.000      |

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| ALT                          | Item         | Description  | Unit | Quantity  |
|------------------------------|--------------|--|------|-----------|
|                              | 0700- 1- 50  | SINGLE POST SIGN, RELOCATE   | AS   | 15.000    |
|                              | 0700- 1- 60  | SINGLE POST SIGN, REMOVE   | AS   | 25.000    |
|                              | 0700- 2- 13  | MULTI- POST SIGN, F&I GROUND MOUNT, 21-30 SF   | AS   | 1.000     |
|                              | 0700- 2- 60  | MULTI- POST SIGN, REMOVE   | AS   | 1.000     |
|                              | 0700- 3-101  | SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF  | EA   | 9.000     |
|                              | 0700- 3-102  | SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, 12-20 SF   | EA   | 1.000     |
|                              | 0700- 3-501  | SIGN PANEL, RELOCATE, UP TO 12 SF  | EA   | 22.000    |
|                              | 0700- 3-601  | SIGN PANEL, REMOVE, UP TO 12 SF  | EA   | 7.000     |
|                              | 0700- 11-262 | ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT-<br>SOLAR POWERED, SPEED FEEDBACK W/FLASHING BEACON, 12-20<br>SF | EA   | 4.000     |
|                              | 0704- 1- 1   | TUBULAR MARKER, DURABLE, 36" WHITE POST  | EA   | 175.000   |
|                              | 0704- 1- 2   | TUBULAR MARKER, DURABLE, 36" YELLOW POST   | EA   | 10.000    |
|                              | 0706- 1- 3   | RAISED PAVEMENT MARKER, TYPE B   | EA   | 1,856.000 |
|                              | 0710- 90-    | PAINTED PAVEMENT MARKINGS, FINAL SURFACE (44739515201)   | LS   | 1.000     |
|                              | 0711- 11-123 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK<br>AND ROUNDABOUT   | LF   | 3,489.000 |
|                              | 0711- 11-124 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS<br>AND CHEVRONS   | LF   | 148.000   |
|                              | 0711- 11-125 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE<br>AND CROSSWALK  | LF   | 1,068.000 |
|                              | 0711- 11-141 | THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10<br>GAP EXTENSION, 6"  | GM   | 0.091     |
|                              | 0711- 11-160 | THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL  | EA   | 36.000    |
|                              | 0711- 11-170 | THERMOPLASTIC, STANDARD, WHITE, ARROW  | EA   | 41.000    |
|                              | 0711- 11-241 | THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-<br>10 DOTTED EXTENSION LINE, 6"                               | GM   | 0.034     |
|                              | 0711- 14-125 | THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR<br>CROSSWALK   | LF   | 1,932.000 |
|                              | 0711- 14-160 | THERMOPLASTIC, PREFORMED, WHITE, MESSAGE   | EA   | 16.000    |
|                              | 0711- 14-170 | THERMOPLASTIC, PREFORMED, WHITE, ARROW   | EA   | 2.000     |
|                              | 0711- 14-660 | THERMOPLASTIC, PREFORMED, MULTI COLOR ROUTE SHIELD   | EA   | 36.000    |
|                              | 0711- 16-101 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"   | GM   | 2.841     |
|                              | 0711- 16-102 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 8"   | GM   | 0.060     |
|                              | 0711- 16-131 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 6", 1C<br>-30 SKIP OR 3-9 LANE DROP                                 | GM   | 2.721     |
|                              | 0711- 16-201 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID,<br>6"   | GM   | 1.955     |
| <b>Section 0003 Lighting</b> |              |  |      |           |
|                              | 0630- 2- 12  | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE   | LF   | 34.000    |
|                              | 0635- 2- 11  | PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE   | EA   | 11.000    |
|                              | 0715- 1- 12  | LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6  | LF   | 309.000   |
|                              | 0715- 5- 32  | LUMINAIRE & BRACKET ARM- GALV STEEL, FURNISH & INSTALL<br>NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE                     | EA   | 2.000     |
|                              | 0715- 11-211 | LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING<br>POLE/ARM, ROADWAY, COBRA HEAD                                  | EA   | 48.000    |
|                              | 0715-500- 1  | POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL,<br>CONVENTIONAL   | EA   | 2.000     |

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|-----------------------------------|--------------|--|------|-----------|
|                                   | 0715-511-130 | LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, SINGLE ARM SHOULDER MOUNT, ALUMINUM, 30'                     | EA   | 2.000     |
|                                   | 0715-550-000 | LIGHT POLE COMPLETE- SPECIAL DESIGN, REMOVE  | EA   | 2.000     |
| <b>Section 0004 Signalization</b> |              |  |      |           |
|                                   | 0630- 2- 11  | CONDUIT, FURNISH & INSTALL, OPEN TRENCH  | LF   | 2,096.000 |
|                                   | 0630- 2- 12  | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE   | LF   | 2,531.000 |
|                                   | 0630- 2- 14  | CONDUIT, FURNISH & INSTALL, ABOVEGROUND  | LF   | 120.000   |
|                                   | 0632- 7- 1   | SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL                                     | PI   | 8.000     |
|                                   | 0633- 1-121  | FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS  | LF   | 1,712.000 |
|                                   | 0633- 2- 31  | FIBER OPTIC CONNECTION, INSTALL, SPLICE  | EA   | 60.000    |
|                                   | 0633- 3- 11  | FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE   | EA   | 3.000     |
|                                   | 0633- 3- 12  | FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY  | EA   | 6.000     |
|                                   | 0633- 3- 13  | FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY                                 | EA   | 3.000     |
|                                   | 0633- 3- 15  | FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL  | EA   | 3.000     |
|                                   | 0635- 2- 11  | PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE   | EA   | 91.000    |
|                                   | 0635- 2- 12  | PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE   | EA   | 9.000     |
|                                   | 0639- 1-122  | ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR                              | AS   | 3.000     |
|                                   | 0639- 2- 1   | ELECTRICAL SERVICE WIRE, FURNISH & INSTALL   | LF   | 371.000   |
|                                   | 0639- 3- 11  | ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT   | EA   | 9.000     |
|                                   | 0641- 2- 12  | PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE   | EA   | 6.000     |
|                                   | 0646- 1- 11  | ALUMINUM SIGNALS POLE, PEDESTAL  | EA   | 24.000    |
|                                   | 0646- 1- 12  | ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST                                      | EA   | 14.000    |
|                                   | 0646- 1- 60  | ALUMINUM SIGNALS POLE, REMOVE  | EA   | 8.000     |
|                                   | 0649- 21- 3  | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'   | EA   | 2.000     |
|                                   | 0649- 21- 5  | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'-40'                                       | EA   | 2.000     |
|                                   | 0650- 1- 14  | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY                                 | AS   | 22.000    |
|                                   | 0650- 1- 19  | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY                         | AS   | 2.000     |
|                                   | 0650- 1- 60  | VEHICULAR TRAFFIC SIGNAL, REMOVE- POLES TO REMAIN  | AS   | 24.000    |
|                                   | 0650- 2-109  | VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT- FURNISH & INSTALL, BACKPLATE- FLEXIBLE REQUIRED | EA   | 24.000    |
|                                   | 0653- 1- 11  | PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY  | AS   | 18.000    |
|                                   | 0654- 1- 10  | MIDBLOCK CROSSWALK: IN ROADWAY LIGHT ASSEMBLY, FURNISH & INSTALL- AC POWERED, COMPLETE CROSSING        | AS   | 12.000    |
|                                   | 0654- 3- 10  | MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, FURNISH & INSTALL COMPLETE ASSEMBLY             | AS   | 18.000    |
|                                   | 0660- 2-102  | LOOP ASSEMBLY, F&I, TYPE B   | AS   | 18.000    |
|                                   | 0660- 2-106  | LOOP ASSEMBLY, F&I, TYPE F   | AS   | 15.000    |
|                                   | 0663- 1-111  | SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS                               | EA   | 3.000     |

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|     | 0663- 1-112  | SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR                                      | EA   | 6.000    |
|     | 0665- 1- 11  | PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD   | EA   | 32.000   |
|     | 0665- 1- 40  | PEDESTRIAN DETECTOR, RELOCATE  | EA   | 4.000    |
|     | 0665- 1- 60  | PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN   | EA   | 14.000   |
|     | 0670- 5-110  | TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA   | AS   | 3.000    |
|     | 0670- 5-400  | TRAFFIC CONTROLLER ASSEMBLY, MODIFY  | AS   | 4.000    |
|     | 0671- 2- 40  | TRAFFIC CONTROLLER, MODIFY   | EA   | 5.000    |
|     | 0684- 1- 1   | MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL   | EA   | 2.000    |
|     | 0685- 1- 13  | UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET                   | EA   | 3.000    |
|     | 0695- 1- 1   | TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL                               | EA   | 6.000    |
|     | 0695- 6- 12  | TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS                        | EA   | 6.000    |
|     | 0700- 3-201  | SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF  | EA   | 12.000   |
|     | 0700- 3-202  | SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF   | EA   | 6.000    |
|     | 0700- 11-391 | ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF | AS   | 2.000    |
|     | 0700- 11-500 | ELECTRONIC DISPLAY SIGN, RELOCATE  | AS   | 3.000    |
|     | 0715- 5- 31  | LUMINAIRE & BRACKET ARM- ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE    | EA   | 2.000    |
|     | 0715-500- 1  | POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL                                  | EA   | 2.000    |