

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

Letting: 05210202      Call Order: 002      Proposal: E52A7      District:05

Counties: BREVARD

Road Name: SR 5 (US 1) AT SR 404 EB RAMPS SIGNALIZATION

Limits: 70020000

Project(s): 44194515201(\*)      Federal Aid No: N/A

|                        |             |                            |          |
|------------------------|-------------|----------------------------|----------|
| Total Roadway Length:  | 0.225 Miles | Contract Days:             | 130      |
| Total Bridge Length:   | 0.000 Miles | Letting Date:              | 02/02/21 |
| Total Proposal Length: | 0.225 Miles | Contract Execution Days:   | 10       |
|                        |             | Special Start Date:        | N/A      |
|                        |             | Aquis/Flexible Start Time: | 120      |

Proposal Budget Estimate: \$1,700,843.00

Please read the full advertisement

**Description:**

The Improvements under this Contract consist of milling and resurfacing; minor roadway widening and shoulder construction; pavement and pipe removal; installation of pipe, inlets, underdrain, gutter, curb, guardrail and signage; and painting of pavement markings. Signalization activities include the installation of open trench and directional bore conduit, signal heads, pull and splice boxes, mast arms, video vehicle detection systems, internally illuminated signs, cabinets, and cabinet bases for temporary span wire signalization during construction and final mast arm assembly signalization on State Road 5 (US 1) at the State Road 404 (Pineda Causeway) interchange from north of Roberts Road (Milepost 9.503) to Bridge Number 700075 (Milepost 9.642), approximately 0.14 miles in Brevard County. Some trees will be removed to facilitate construction activities. All activities will occur within the existing right-of-way.

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

**PREQUALIFICATION REQUIRED**

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| ALT                         | Item         | Description  | Unit | Quantity  |
|-----------------------------|--------------|--|------|-----------|
| <b>Section 0002 Roadway</b> |              |  |      |           |
|                             | 0101- 1-     | MOBILIZATION (44194515201)                             | LS   | 1.000     |
|                             | 0102- 1-     | MAINTENANCE OF TRAFFIC (44194515201)                   | LS   | 1.000     |
|                             | 0102- 2-200  | SPECIAL DETOUR- TEMPORARY PAVEMENT (44194515201)       | LS   | 1.000     |
|                             | 0102- 14-    | TRAFFIC CONTROL OFFICER                                | HR   | 24.000    |
|                             | 0102- 60-    | WORK ZONE SIGN   | ED   | 2,261.000 |
|                             | 0102- 62-    | BARRIER MOUNTED WORK ZONE SIGN- INDEX 11871/700-013    | ED   | 46.000    |
|                             | 0102- 71- 13 | TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE          | LF   | 636.000   |
|                             | 0102- 71- 15 | TEMPORARY BARRIER, F&I, ANCHORED                       | LF   | 275.000   |
|                             | 0102- 71- 23 | TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE      | LF   | 638.000   |
|                             | 0102- 71- 25 | TEMPORARY BARRIER, RELOCATE, ANCHORED                  | LF   | 288.000   |
|                             | 0102- 71- 26 | TEMPORARY BARRIER, RELOCATE, FREE STANDING             | LF   | 325.000   |
|                             | 0102- 74- 1  | CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD | ED   | 3,203.000 |
|                             | 0102- 76-    | ARROW BOARD / ADVANCE WARNING ARROW PANEL              | ED   | 24.000    |
|                             | 0102- 78-    | TEMPORARY RAISED/RETROREFLECTIVE PAVEMENT MARKER       | EA   | 107.000   |
|                             | 0102- 89- 1  | TEMPORARY CRASH CUSHION, REDIRECTIVE OPTION            | LO   | 5.000     |
|                             | 0102- 99-    | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY            | ED   | 731.000   |
|                             | 0102-104-    | TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION  | ED   | 95.000    |

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|     | 0102-107- 1  | TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION  | ED   | 95.000    |
|     | 0102-913- 21 | REMOVABLE TAPE, WHITE, SOLID 6"  | GM   | 0.043     |
|     | 0104- 10- 3  | SEDIMENT BARRIER   | LF   | 749.000   |
|     | 0104- 18-    | INLET PROTECTION SYSTEM  | EA   | 8.000     |
|     | 0107- 1-     | LITTER REMOVAL   | AC   | 15.050    |
|     | 0107- 2-     | MOWING   | AC   | 9.580     |
|     | 0110- 1- 1   | CLEARING & GRUBBING (44194515201)  | LS   | 1.000     |
|     | 0110- 2- 2   | SELECTIVE CLEARING AND GRUBBING, AREAS WITH TREES TO REMAIN  | AC   | 0.620     |
|     | 0110- 4- 10  | REMOVAL OF EXISTING CONCRETE   | SY   | 159.000   |
|     | 0110- 21-    | TREE PROTECTION BARRIER  | LF   | 1,216.000 |
|     | 0110- 23-    | TREE REMOVAL   | EA   | 44.000    |
|     | 0120- 1-     | REGULAR EXCAVATION   | CY   | 1,231.600 |
|     | 0120- 6-     | EMBANKMENT   | CY   | 892.400   |
|     | 0160- 4-     | TYPE B STABILIZATION   | SY   | 2,557.000 |
|     | 0285-706-    | OPTIONAL BASE, BASE GROUP 06   | SY   | 747.000   |
|     | 0285-710-    | OPTIONAL BASE, BASE GROUP 10   | SY   | 1,825.000 |
|     | 0327- 70- 4  | MILLING EXIST ASPH PAVT, 3" AVG DEPTH  | SY   | 108.000   |
|     | 0327- 70- 5  | MILLING EXIST ASPH PAVT, 2" AVG DEPTH  | SY   | 1,120.000 |
|     | 0327- 70- 10 | MILLING EXIST ASPH PAVT, 5" AVG DEPTH  | SY   | 88.000    |
|     | 0327- 70- 11 | MILLING EXIST ASPH PAVT, 2 1/4" AVG DEPTH  | SY   | 2,377.000 |
|     | 0327- 70- 19 | MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH  | SY   | 105.000   |
|     | 0327- 70- 20 | MILLING EXIST ASPH PAVT, 3 3/4" AVG DEPTH  | SY   | 560.000   |
|     | 0327- 70- 22 | MILLING EXISTING ASPHALT PAVEMENT, 4 1/4" AVG DEPTH  | SY   | 115.000   |
|     | 0334- 1- 13  | SUPERPAVE ASPHALTIC CONC, TRAFFIC C  | TN   | 200.000   |
|     | 0334- 1- 53  | SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22   | TN   | 947.600   |
|     | 0337- 7- 25  | ASPHALT CONCRETE FRICTION COURSE, INC BIT, FC-5, PG 76-22  | TN   | 162.600   |
|     | 0337- 7- 83  | ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22                                       | TN   | 263.700   |
|     | 0339- 1-     | MISCELLANEOUS ASPHALT PAVEMENT   | TN   | 8.400     |
|     | 0425- 1-351  | INLETS, CURB, TYPE P-5, <10'   | EA   | 1.000     |
|     | 0425- 1-701  | INLETS, GUTTER, TYPE S, <10'   | EA   | 3.000     |
|     | 0425- 2- 41  | MANHOLES, P-7, <10'  | EA   | 1.000     |
|     | 0425- 2- 61  | MANHOLES, P-8, <10'  | EA   | 1.000     |
|     | 0430-175-115 | PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"S/CD  | LF   | 119.000   |
|     | 0430-175-118 | PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD  | LF   | 238.000   |
|     | 0430-175-218 | PIPE CULVERT, OPTIONAL MATERIAL, OTHER-ELIP/ARCH, 18"S/CD  | LF   | 66.000    |
|     | 0430-982-125 | MITERED END SECTION, OPTIONAL ROUND, 18" CD  | EA   | 2.000     |
|     | 0440- 1- 20  | UNDERDRAIN, TYPE II  | LF   | 322.000   |
|     | 0440- 70-    | UNDERDRAIN INSPECTION BOX  | EA   | 2.000     |
|     | 0520- 1- 7   | CONCRETE CURB & GUTTER, TYPE E   | LF   | 133.000   |
|     | 0520- 6-     | SHOULDER GUTTER- CONCRETE  | LF   | 769.000   |
|     | 0536- 1- 1   | GUARDRAIL -ROADWAY, GENERAL TL-3   | LF   | 213.000   |
|     | 0536- 8-122  | GUARDRAIL TRANSITION CONNECTION TO RIGID BARRIER, FURNISH AND INSTALL, EXISTING BRIDGE APPROACH TL-3 | EA   | 1.000     |

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|                             | 0536- 73-    | GUARDRAIL REMOVAL   | LF   | 201.000   |
|                             | 0536- 85- 20 | GUARDRAIL END TREATMENT- TRAILING ANCHORAGE   | EA   | 1.000     |
|                             | 0570- 1- 2   | PERFORMANCE TURF, SOD   | SY   | 5,615.000 |
|                             | 0710- 11-101 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"   | GM   | 0.458     |
|                             | 0710- 11-102 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR INTERCHANGE AND URBAN ISLAND, 8"            | GM   | 0.208     |
|                             | 0710- 11-124 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR DIAGONAL OR CHEVRON, 18"                    | LF   | 218.000   |
|                             | 0710- 11-125 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"                 | LF   | 114.000   |
|                             | 0710- 11-131 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE                      | GM   | 0.167     |
|                             | 0710- 11-160 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL                                     | EA   | 1.000     |
|                             | 0710- 11-170 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS  | EA   | 9.000     |
|                             | 0710- 11-190 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE   | SF   | 12.000    |
|                             | 0710- 11-201 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"  | GM   | 0.565     |
|                             | 0710- 11-224 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"                   | LF   | 70.000    |
|                             | 0710- 11-290 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE  | SF   | 15.000    |
|                             | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (44194515201)  | LS   | 1.000     |
| <b>Section 0003 Signing</b> |              |   |      |           |
|                             | 0700- 1- 11  | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF   | AS   | 16.000    |
|                             | 0700- 1- 12  | SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF  | AS   | 8.000     |
|                             | 0700- 1- 60  | SINGLE POST SIGN, REMOVE  | AS   | 19.000    |
|                             | 0700- 2- 16  | MULTI- POST SIGN, F&I GROUND MOUNT, 101-200 SF  | AS   | 1.000     |
|                             | 0700- 2- 60  | MULTI- POST SIGN, REMOVE  | AS   | 1.000     |
|                             | 0700- 3-501  | SIGN PANEL, RELOCATE, UP TO 12 SF   | EA   | 1.000     |
|                             | 0700- 6- 21  | HIGHLIGHTED SIGN, F&I GROUND MOUNT- SOLAR POWERED, UP TO 12 SF                                    | AS   | 4.000     |
|                             | 0700- 11-231 | ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- SOLAR POWER, SPEED FEEDBACK, UP TO 12 SF | AS   | 2.000     |
|                             | 0700- 12- 11 | SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON   | AS   | 2.000     |
|                             | 0705- 11- 1  | DELINEATOR, FLEXIBLE TUBULAR  | EA   | 19.000    |
|                             | 0710- 11-190 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ISLAND NOSE   | SF   | 39.000    |
|                             | 0710- 11-290 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE  | SF   | 15.000    |
|                             | 0710- 90-    | PAINTED PAVEMENT MARKINGS, FINAL SURFACE (44194515201)  | LS   | 1.000     |
|                             | 0711- 11-124 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS                             | LF   | 152.000   |
|                             | 0711- 11-125 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK                            | LF   | 95.000    |
|                             | 0711- 11-141 | THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"                      | GM   | 0.041     |
|                             | 0711- 11-160 | THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL   | EA   | 4.000     |
|                             | 0711- 11-170 | THERMOPLASTIC, STANDARD, WHITE, ARROW   | EA   | 16.000    |
|                             | 0711- 11-224 | THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON                               | LF   | 14.000    |

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|-----------------------------------|--------------|---|------|-----------|
|                                   | 0711- 11-241 | THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"            | GM   | 0.007     |
|                                   | 0711- 15-101 | THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES WHITE, SOLID, 6"                             | GM   | 0.427     |
|                                   | 0711- 15-102 | THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SOLID, 8"                            | GM   | 0.060     |
|                                   | 0711- 15-131 | THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP | GM   | 0.224     |
|                                   | 0711- 15-201 | THERMOPLASTIC, STANDARD-OPEN GRADED ASPHALT SURFACES, YELLOW, SOLID, 6"                           | GM   | 0.269     |
| <b>Section 0005 Signalization</b> |              |   |      |           |
|                                   | 0630- 2- 11  | CONDUIT, FURNISH & INSTALL, OPEN TRENCH   | LF   | 2,219.000 |
|                                   | 0630- 2- 12  | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE  | LF   | 1,053.000 |
|                                   | 0632- 7- 1   | SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL                                | PI   | 1.000     |
|                                   | 0632- 7- 2   | SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL   | LF   | 992.000   |
|                                   | 0633- 1-121  | FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS   | LF   | 3,280.000 |
|                                   | 0633- 2- 31  | FIBER OPTIC CONNECTION, INSTALL, SPLICE   | EA   | 38.000    |
|                                   | 0633- 3- 11  | FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE  | EA   | 1.000     |
|                                   | 0633- 3- 12  | FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY   | EA   | 1.000     |
|                                   | 0633- 3- 15  | FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL                                   | EA   | 4.000     |
|                                   | 0633- 8- 1   | MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL  | LF   | 81.000    |
|                                   | 0635- 2- 11  | PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE  | EA   | 29.000    |
|                                   | 0635- 2- 12  | PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE  | EA   | 12.000    |
|                                   | 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   | 1,584.000 |
|                                   | 0639- 3- 11  | ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT  | EA   | 5.000     |
|                                   | 0641- 2- 12  | PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE  | EA   | 3.000     |
|                                   | 0649- 21- 12 | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-40'                                  | EA   | 1.000     |
|                                   | 0649- 21- 19 | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-60'                                  | EA   | 1.000     |
|                                   | 0650- 1- 14  | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY                            | AS   | 9.000     |
|                                   | 0660- 4- 11  | VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT                              | EA   | 1.000     |
|                                   | 0660- 4- 12  | VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT                         | EA   | 4.000     |
|                                   | 0660- 7- 11  | VEHICLE DETECTION SYSTEM- WRONG WAY FOR EXIT RAMP, 1 OR 2 LANES                                   | EA   | 1.000     |
|                                   | 0670- 5-110  | TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA  | AS   | 1.000     |
|                                   | 0676- 2-122  | ITS CABINET, FURNISH & INSTALL, POLE MOUNT WITH SUNSHIELD, 336S, 24" W X 46" H X 22" D            | EA   | 1.000     |
|                                   | 0676- 3- 10  | SMALL EQUIPMENT ENCLOSURE, FURNISH AND INSTALL, LESS THAN 10"W X 13"H X 11" D                     | EA   | 2.000     |
|                                   | 0682- 1-113  | ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION                       | EA   | 2.000     |

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|     | 0682- 1-133  | ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION                        | EA   | 1.000    |
|     | 0684- 1- 1   | MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL   | EA   | 3.000    |
|     | 0684- 5- 1   | MEDIA CONVERTER, FURNISH & INSTALL   | EA   | 1.000    |
|     | 0685- 1- 13  | UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE WITH CABINET                   | EA   | 2.000    |
|     | 0685- 2- 1   | REMOTE POWER MANAGEMENT UNIT- RPMU, FURNISH AND INSTALL  | EA   | 1.000    |
|     | 0700- 1- 11  | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF  | AS   | 1.000    |
|     | 0700- 5- 21  | INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF                         | EA   | 2.000    |
|     | 0700- 5- 22  | INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF                           | EA   | 2.000    |
|     | 0700- 6- 11  | HIGHLIGHTED SIGN, F&I GROUND MOUNT- AC POWERED, UP TO 12 SF  | AS   | 4.000    |
|     | 0700- 11-391 | ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL OVERHEAD MOUNT- AC POWERED, BLANK OUT SIGN, UP TO 12 SF | AS   | 1.000    |
|     | 0700- 13- 15 | RETROREFLECTIVE SIGN STRIP- FURNISH AND INSTALL, 5'  | EA   | 4.000    |