

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

Letting: CT200520 Call Order: 014 Proposal: T5686 District:05  
 Counties: SEMINOLE  
 Road Name: SR 15/SR 600 (US 17/92)  
 Limits: FROM LAKE MARY BLVD N 1.159 MILES N OF AIRPORT BLVD  
 Project(s): 43667915201(\*) Federal Aid No: D518045B  
 Project(s): 43667915601 Federal Aid No: N/A  
 Project(s): 43667925201 Federal Aid No: D520033B  
 Project(s): 43685715201 Federal Aid No: D520046B  
 Total Roadway Length: 1.159 Miles Contract Days: 350  
 Total Bridge Length: 0.000 Miles Letting Date: 05/20/20  
 Total Proposal Length: 1.159 Miles Contract Execution Days: 10  
 Special Start Date: N/A  
 Aquis/Flexible Start Time: 30 Calendar Days  
 Proposal Budget Estimate: \$9,541,345.00

Please read the full advertisement

**Description:**

The improvements under this contract consist of widening, milling and resurfacing, curb and gutter, drainage improvements, sidewalk, signalization, signing and marking, lighting, and Utility Work by Highway Contractor on SR 15/600 (US 17/92).

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| ALT                         | Item         | Description  | Unit | Quantity    |
|-----------------------------|--------------|--|------|-------------|
| <b>Section 0001 Roadway</b> |              |  |      |             |
|                             | 0101- 1-     | MOBILIZATION (43667915201)   | LS   | 1.000       |
|                             | 0101- 1-     | MOBILIZATION (43667925201)   | LS   | 1.000       |
|                             | 0101- 1-     | MOBILIZATION (43685715201)   | LS   | 1.000       |
|                             | 0102- 1-     | MAINTENANCE OF TRAFFIC (43667915201)                                   | LS   | 1.000       |
|                             | 0102- 1-     | MAINTENANCE OF TRAFFIC (43667925201)                                   | LS   | 1.000       |
|                             | 0102- 1-     | MAINTENANCE OF TRAFFIC (43685715201)                                   | LS   | 1.000       |
|                             | 0102- 2- 1   | SPECIAL DETOUR 1 (43667915201)   | LS   | 1.000       |
|                             | 0102- 2- 2   | SPECIAL DETOUR 2 (43667915201)   | LS   | 1.000       |
|                             | 0102- 2- 3   | SPECIAL DETOUR 3 (43667915201)   | LS   | 1.000       |
|                             | 0102- 2- 4   | SPECIAL DETOUR 4 (43667915201)   | LS   | 1.000       |
|                             | 0102- 60-    | WORK ZONE SIGN   | ED   | 19,795.000  |
|                             | 0102- 61-    | BUSINESS SIGN  | EA   | 36.000      |
|                             | 0102- 71- 13 | TEMPORARY BARRIER, F&I, LOW PROFILE, CONCRETE                          | LF   | 1,608.000   |
|                             | 0102- 71- 23 | TEMPORARY BARRIER, RELOCATE, LOW PROFILE CONCRETE                      | LF   | 972.000     |
|                             | 0102- 74- 1  | CHANNELIZING DEVICE- TYPES I, II, DI, VP, DRUM, OR LCD                 | ED   | 108,525.000 |
|                             | 0102- 74- 2  | CHANNELIZING DEVICE, TYPE III, 6'                                      | ED   | 795.000     |
|                             | 0102- 74- 7  | CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE) | LF   | 1,536.000   |
|                             | 0102- 76-    | ARROW BOARD / ADVANCE WARNING ARROW PANEL                              | ED   | 574.000     |
|                             | 0102- 78-    | TEMPORARY RETROREFLECTIVE PAVEMENT MARKER                              | EA   | 1,013.000   |
|                             | 0102- 99-    | PORTABLE CHANGEABLE MESSAGE SIGN, TEMPORARY                            | ED   | 749.000     |
|                             | 0102-104-    | TEMPORARY SIGNALIZATION AND MAINTENANCE, INTERSECTION                  | ED   | 1,050.000   |

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|     | 0102-107- 1  | TEMPORARY TRAFFIC DETECTION AND MAINTENANCE, INTERSECTION      | ED   | 1,050.000  |
|     | 0104- 10- 3  | SEDIMENT BARRIER   | LF   | 4,989.000  |
|     | 0104- 18-    | INLET PROTECTION SYSTEM  | EA   | 30.000     |
|     | 0107- 1-     | LITTER REMOVAL   | AC   | 141.790    |
|     | 0107- 2-     | MOWING   | AC   | 89.350     |
|     | 0110- 1- 1   | CLEARING & GRUBBING (43667915201)                              | LS   | 1.000      |
|     | 0110- 1- 1   | CLEARING & GRUBBING (43667925201)                              | LS   | 1.000      |
|     | 0110- 4- 10  | REMOVAL OF EXISTING CONCRETE                                   | SY   | 3,113.000  |
|     | 0120- 1-     | REGULAR EXCAVATION   | CY   | 31,970.000 |
|     | 0120- 6-     | EMBANKMENT   | CY   | 7,276.000  |
|     | 0160- 4-     | TYPE B STABILIZATION   | SY   | 9,566.000  |
|     | 0285-709-    | OPTIONAL BASE, BASE GROUP 09                                   | SY   | 7,827.000  |
|     | 0285-710-    | OPTIONAL BASE, BASE GROUP 10                                   | SY   | 7,119.000  |
|     | 0286- 2-     | TURNOUT CONSTRUCTION-ASPHALT/DRIVEWAY BASE- ASPHALT MATERIAL   | TN   | 453.500    |
|     | 0327- 70- 4  | MILLING EXIST ASPH PAVT, 3" AVG DEPTH                          | SY   | 12,343.000 |
|     | 0327- 70- 6  | MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH                      | SY   | 20,496.000 |
|     | 0327- 70- 7  | MILLING EXIST ASPH PAVT, 4" AVG DEPTH                          | SY   | 4,754.000  |
|     | 0327- 70- 8  | MILLING EXIST ASPH PAVT, 2 1/2" AVG DEPTH                      | SY   | 4,044.000  |
|     | 0327- 70- 11 | MILLING EXIST ASPH PAVT, 2 1/4" AVG DEPTH                      | SY   | 552.000    |
|     | 0327- 70- 13 | MILLING EXIST ASPH PAVT, 1 3/4" AVG DEPTH                      | SY   | 12,050.000 |
|     | 0327- 70- 15 | MILLING EXIST ASPH PAVT, 2 3/4" AVG DEPTH                      | SY   | 780.000    |
|     | 0334- 1- 13  | SUPERPAVE ASPHALTIC CONC, TRAFFIC C                            | TN   | 2,459.900  |
|     | 0334- 1- 53  | SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22               | TN   | 6,197.600  |
|     | 0337- 7- 83  | ASPHALT CONCRETE FRICTION COURSE, TRAFFIC C, FC-12.5, PG 76-22 | TN   | 5,757.900  |
|     | 0400- 0- 11  | CONCRETE CLASS NS, GRAVITY WALL                                | CY   | 31.800     |
|     | 0425- 1-351  | INLETS, CURB, TYPE P-5, <10'                                   | EA   | 11.000     |
|     | 0425- 1-361  | INLETS, CURB, TYPE P-6, <10'                                   | EA   | 4.000      |
|     | 0425- 1-451  | INLETS, CURB, TYPE J-5, <10'                                   | EA   | 1.000      |
|     | 0425- 1-541  | INLETS, DT BOT, TYPE D, <10'                                   | EA   | 16.000     |
|     | 0425- 1-543  | INLETS, DITCH BOTTOM, TYPE D, J BOT, <10'                      | EA   | 1.000      |
|     | 0425- 1-549  | INLETS, DT BOT, TYPE D, MODIFY                                 | EA   | 1.000      |
|     | 0425- 1-581  | INLETS, DT BOT, TYPE H, <10'                                   | EA   | 1.000      |
|     | 0425- 1-910  | INLETS, CLOSED FLUME   | EA   | 3.000      |
|     | 0425- 2- 41  | MANHOLES, P-7, <10'  | EA   | 1.000      |
|     | 0425- 2- 61  | MANHOLES, P-8, <10'  | EA   | 4.000      |
|     | 0425- 2- 71  | MANHOLES, J-7, <10'  | EA   | 2.000      |
|     | 0425- 2- 92  | MANHOLES, J-8, >10'  | EA   | 2.000      |
|     | 0430-175-115 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 15"S/CD                  | LF   | 27.000     |
|     | 0430-175-118 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 18"S/CD                  | LF   | 1,903.000  |
|     | 0430-175-124 | PIPE CULVERT,OPTIONAL MATERIAL,ROUND, 24"S/CD                  | LF   | 416.000    |
|     | 0430-175-130 | PIPE CULVERT, OPT MATERIAL, ROUND, 30"S/CD                     | LF   | 332.000    |
|     | 0430-175-136 | PIPE CULVERT, OPT MATERIAL, ROUND, 36"S/CD                     | LF   | 554.000    |
|     | 0430-175-218 | PIPE CULVERT,OPTIONAL MATERIAL,OTHER-ELIP/ARCH, 18"S/CD        | LF   | 836.000    |

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|                             | 0430-175-224 | PIPE CULVERT,OPTIONAL MATERIAL,OTHER SHAPE-ELIP/ARCH, 24"S/CD  | LF   | 266.000    |
|                             | 0430-175-230 | PIPE CULVERT, OPT MATERIAL, OTHER SHAPE - ELIP/ARCH, 30"S/C  | LF   | 266.000    |
|                             | 0430-200- 38 | FLARED END SECTION, CONCRETE, 36"  | EA   | 1.000      |
|                             | 0430-830-    | PIPE FILLING AND PLUGGING- PLACE OUT OF SERVICE  | CY   | 98.000     |
|                             | 0430-982-625 | MITERED END SECTION, OPTIONAL - ELLIPTICAL / ARCH, 18" CD  | EA   | 1.000      |
|                             | 0430-984-125 | MITERED END SECTION, OPTIONAL ROUND, 18" SD  | EA   | 14.000     |
|                             | 0430-984-129 | MITERED END SECTION, OPTIONAL ROUND, 24" SD  | EA   | 3.000      |
|                             | 0430-984-133 | MITERED END SECTION , OPTIONAL ROUND, 30" SD   | EA   | 1.000      |
|                             | 0430-984-625 | MITERED END SECT, OPTIONAL - ELLIPTICAL / ARCH, 18" SD   | EA   | 3.000      |
|                             | 0430-984-633 | MITERED END SECT, OPTIONAL /ELLIP/ARCH, 30" SD   | EA   | 1.000      |
|                             | 0515- 1- 2   | PIPE HANDRAIL - GUIDERAIL, ALUMINUM  | LF   | 23.000     |
|                             | 0520- 1- 7   | CONCRETE CURB & GUTTER, TYPE E   | LF   | 7,849.000  |
|                             | 0520- 1- 10  | CONCRETE CURB & GUTTER, TYPE F   | LF   | 10,465.000 |
|                             | 0520- 2- 2   | CONCRETE CURB, TYPE B  | LF   | 17.000     |
|                             | 0520- 3-     | VALLEY GUTTER- CONCRETE  | LF   | 204.000    |
|                             | 0520- 5- 11  | TRAFFIC SEPARATOR CONCRETE-TYPE I, 4' WIDE   | LF   | 392.000    |
|                             | 0520- 70-    | CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH  | SY   | 138.000    |
|                             | 0522- 1-     | CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK  | SY   | 2,145.000  |
|                             | 0522- 2-     | CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK  | SY   | 3,807.000  |
|                             | 0524- 1- 29  | CONCRETE DITCH PAVEMENT, 4", REINFORCED  | SY   | 325.000    |
|                             | 0527- 2-     | DETECTABLE WARNINGS  | SF   | 611.000    |
|                             | 0570- 1- 2   | PERFORMANCE TURF, SOD  | SY   | 48,295.000 |
|                             | 0710- 11-101 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"  | GM   | 2.437      |
|                             | 0710- 11-123 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"                  | LF   | 799.000    |
|                             | 0710- 11-125 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"                    | LF   | 564.000    |
|                             | 0710- 11-131 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SKIP, 10-30 OR 3-9 SKIP, 6" WIDE                         | GM   | 4.335      |
|                             | 0710- 11-133 | PAINTED PAVEMENT MARKING, STANDARD,WHITE, 3'-9' SKIP DROP LINE AND APPROACH TO TOLL PLAZA, 12" WIDE, | GM   | 0.034      |
|                             | 0710- 11-141 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 DOTTED EXTENSION, 6"          | GM   | 0.159      |
|                             | 0710- 11-170 | PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, ARROWS   | EA   | 86.000     |
|                             | 0710- 11-201 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"   | GM   | 4.570      |
|                             | 0710- 11-224 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID FOR DIAGONAL OR CHEVRON, 18"                      | LF   | 89.000     |
|                             | 0710- 11-231 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SKIP, 6"  | GM   | 0.011      |
|                             | 0917-532- 5  | BIOSORPTION ACTIVATED MEDIA, BAM- FOR INFILTRATION, PROJECT 436679-1-52-01                           | CY   | 44.400     |
|                             | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (43667915201)   | LS   | 1.000      |
|                             | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (43667925201)   | LS   | 1.000      |
|                             | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (43685715201)   | LS   | 1.000      |
| <b>Section 0002 Signing</b> |              |  |      |            |
|                             | 0700- 1- 11  | SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF  | AS   | 40.000     |
|                             | 0700- 1- 12  | SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF   | AS   | 43.000     |

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|                              | 0700- 1- 13  | SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF   | AS   | 1.000      |
|                              | 0700- 1- 50  | SINGLE POST SIGN, RELOCATE   | AS   | 10.000     |
|                              | 0700- 1- 60  | SINGLE POST SIGN, REMOVE   | AS   | 85.000     |
|                              | 0700- 2- 14  | MULTI- POST SIGN, F&I GROUND MOUNT, 31-50 SF   | AS   | 7.000      |
|                              | 0700- 3-601  | SIGN PANEL, REMOVE, UP TO 12 SF  | EA   | 1.000      |
|                              | 0705- 10- 1  | OBJECT MARKER, TYPE 1  | EA   | 4.000      |
|                              | 0705- 11- 1  | DELINEATOR, FLEXIBLE TUBULAR   | EA   | 21.000     |
|                              | 0710- 11-290 | PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, ISLAND NOSE   | SF   | 248.000    |
|                              | 0710- 90-    | PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43667915201)   | LS   | 1.000      |
|                              | 0710- 90-    | PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43667925201)   | LS   | 1.000      |
|                              | 0710- 90-    | PAINTED PAVEMENT MARKINGS, FINAL SURFACE (43685715201)   | LS   | 1.000      |
|                              | 0711- 11-102 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 8" FOR INTERCHANGE AND URBAN ISLAND                       | GM   | 0.233      |
|                              | 0711- 11-123 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT                          | LF   | 3,079.000  |
|                              | 0711- 11-124 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 18" FOR DIAGONALS AND CHEVRONS                            | LF   | 356.000    |
|                              | 0711- 11-125 | THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK                           | LF   | 808.000    |
|                              | 0711- 11-141 | THERMOPLASTIC, STANDARD, WHITE, 2-4 DOTTED GUIDELINE/ 6-10 GAP EXTENSION, 6"                     | GM   | 0.848      |
|                              | 0711- 11-160 | THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL  | EA   | 8.000      |
|                              | 0711- 11-170 | THERMOPLASTIC, STANDARD, WHITE, ARROW  | EA   | 118.000    |
|                              | 0711- 11-224 | THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONAL OR CHEVRON                              | LF   | 428.000    |
|                              | 0711- 11-241 | THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"           | GM   | 0.084      |
|                              | 0711- 14-125 | THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24" FOR CROSSWALK  | LF   | 2,380.000  |
|                              | 0711- 14-160 | THERMOPLASTIC, PREFORMED, WHITE, MESSAGE   | EA   | 26.000     |
|                              | 0711- 14-170 | THERMOPLASTIC, PREFORMED, WHITE, ARROW   | EA   | 26.000     |
|                              | 0711- 16-101 | THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"   | GM   | 6.557      |
|                              | 0711- 16-131 | THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP                       | GM   | 3.453      |
|                              | 0711- 16-133 | THERMOPLASTIC, STANDARD-OTHER SURFACES WHITE, SKIP, 12"- APPROACH TO TOLL PLAZA OR 3-9 LANE DROP | GM   | 0.154      |
|                              | 0711- 16-201 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"  | GM   | 2.577      |
|                              | 0711- 16-202 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 8"  | GM   | 0.004      |
|                              | 0711- 16-231 | THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"   | GM   | 0.023      |
| <b>Section 0003 Lighting</b> |              |  |      |            |
|                              | 0630- 2- 11  | CONDUIT, FURNISH & INSTALL, OPEN TRENCH  | LF   | 1,352.000  |
|                              | 0630- 2- 12  | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE   | LF   | 586.000    |
|                              | 0635- 2- 11  | PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE   | EA   | 93.000     |
|                              | 0715- 1- 12  | LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6  | LF   | 4,083.000  |
|                              | 0715- 1- 13  | LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2  | LF   | 15,464.000 |
|                              | 0715- 1- 14  | LIGHTING CONDUCTORS, F&I, INSULATED, NO 1 TO NO 0  | LF   | 9,930.000  |

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|                                   | 0715- 1- 60  | LIGHTING CONDUCTORS, REMOVE & DISPOSE, CONTRACTOR OWNS  | LF   | 18,957.000 |
|                                   | 0715- 4- 12  | LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT | EA   | 3.000      |
|                                   | 0715- 7- 21  | LOAD CENTER, REWORK, SECONDARY VOLTAGE  | EA   | 3.000      |
|                                   | 0715- 11-216 | LUMINAIRE, F&I- REPLACE EXISTING LUMINAIRE ON EXISTING POLE/ARM, ROADWAY, PENDANT/TEARDROP    | EA   | 32.000     |
|                                   | 0715-500- 1  | POLE CABLE DISTRIBUTION SYSTEM, FURNISH AND INSTALL, CONVENTIONAL                             | EA   | 55.000     |
|                                   | 0715-512-140 | LIGHT POLE COMPLETE- SPECIAL DESIGN, F&I, DOUBLE ARM SHOULDER MOUNT, ALUMINUM, 40'            | EA   | 22.000     |
|                                   | 0715-540-000 | LIGHT POLE COMPLETE- SPECIAL DESIGN, RELOCATE   | EA   | 20.000     |
|                                   | 0715-550-000 | LIGHT POLE COMPLETE- SPECIAL DESIGN, REMOVE   | EA   | 6.000      |
| <b>Section 0004 Signalization</b> |              |   |      |            |
|                                   | 0630- 2- 11  | CONDUIT, FURNISH & INSTALL, OPEN TRENCH   | LF   | 3,677.000  |
|                                   | 0630- 2- 12  | CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE  | LF   | 3,138.000  |
|                                   | 0630- 2- 14  | CONDUIT, FURNISH & INSTALL, ABOVEGROUND   | LF   | 25.000     |
|                                   | 0632- 7- 1   | SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL                            | PI   | 4.000      |
|                                   | 0632- 7- 6   | SIGNAL CABLE, REMOVE- INTERSECTION  | PI   | 3.000      |
|                                   | 0633- 1-122  | FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS  | LF   | 239.000    |
|                                   | 0633- 1-420  | FIBER OPTIC CABLE, RELOCATE, UNDERGROUND  | LF   | 116.000    |
|                                   | 0633- 2- 31  | FIBER OPTIC CONNECTION, INSTALL, SPLICE   | EA   | 40.000     |
|                                   | 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   | 4.000      |
|                                   | 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   | 54.000     |
|                                   | 0635- 2- 12  | PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE  | EA   | 27.000     |
|                                   | 0635- 2- 13  | PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE                         | EA   | 2.000      |
|                                   | 0639- 1-122  | ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR                     | AS   | 4.000      |
|                                   | 0639- 2- 1   | ELECTRICAL SERVICE WIRE, FURNISH & INSTALL  | LF   | 54.000     |
|                                   | 0639- 2- 6   | ELECTRICAL SERVICE WIRE, REMOVE   | LF   | 30.000     |
|                                   | 0641- 2- 12  | PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE  | EA   | 4.000      |
|                                   | 0641- 2- 60  | PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE                       | EA   | 5.000      |
|                                   | 0641- 2- 70  | PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER                         | EA   | 2.000      |
|                                   | 0646- 1- 11  | ALUMINUM SIGNALS POLE, PEDESTAL   | EA   | 23.000     |
|                                   | 0646- 1- 12  | ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST                             | EA   | 2.000      |
|                                   | 0646- 1- 60  | ALUMINUM SIGNALS POLE, REMOVE   | EA   | 15.000     |
|                                   | 0646- 2-120  | ALUMINUM POLE- INDEX 17900/695-001, FURNISH & INSTALL, 20'                                    | EA   | 1.000      |
|                                   | 0649- 21- 10 | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'                                  | EA   | 1.000      |

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|     | 0649- 21- 15 | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'                   | EA   | 5.000    |
|     | 0649- 21- 21 | STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'                   | EA   | 4.000    |
|     | 0649- 26- 3  | STEEL MAST ARM ASSEMBLY, REMOVE, SHALLOW FOUNDATION-BOLT ON ATTACHMENT         | EA   | 4.000    |
|     | 0650- 1- 14  | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY         | AS   | 26.000   |
|     | 0650- 1- 16  | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY         | AS   | 4.000    |
|     | 0650- 1- 19  | VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY | AS   | 2.000    |
|     | 0653- 1- 11  | PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY                      | AS   | 22.000   |
|     | 0653- 1- 12  | PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS                     | AS   | 2.000    |
|     | 0653- 1- 60  | PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN                  | AS   | 1.000    |
|     | 0654- 3- 10  | PEDESTRIAN HYBRID BEACON ASSEMBLY, FURNISH & INSTALL COMPLETE ASSEMBLY         | AS   | 6.000    |
|     | 0660- 1-109  | LOOP DETECTOR INDUCTIVE, F&I, TYPE 9   | EA   | 47.000   |
|     | 0660- 1-110  | LOOP DETECTOR INDUCTIVE, F&I, TYPE 10  | EA   | 5.000    |
|     | 0660- 2-102  | LOOP ASSEMBLY, F&I, TYPE B   | AS   | 50.000   |
|     | 0660- 2-106  | LOOP ASSEMBLY, F&I, TYPE F   | AS   | 40.000   |
|     | 0660- 3- 11  | VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT       | EA   | 3.000    |
|     | 0660- 3- 12  | VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT | EA   | 6.000    |
|     | 0660- 4- 11  | VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT           | EA   | 4.000    |
|     | 0660- 4- 12  | VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT      | EA   | 7.000    |
|     | 0660- 6-421  | VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, CABINET EQUIPMENT           | EA   | 1.000    |
|     | 0660- 6-422  | VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH RELOCATE, ABOVE GROUND EQUIPMENT      | EA   | 1.000    |
|     | 0663- 1-111  | SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, CABINET ELECTRONICS       | EA   | 4.000    |
|     | 0663- 1-112  | SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, OPTICAL, DETECTOR                  | EA   | 10.000   |
|     | 0663- 1-122  | SIGNAL PRIORITY AND PREEMPTION SYSTEM, FURNISH AND INSTALL, GPS, DETECTOR      | EA   | 2.000    |
|     | 0665- 1- 11  | PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD                               | EA   | 26.000   |
|     | 0665- 1- 60  | PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN                           | EA   | 1.000    |
|     | 0670- 5-111  | TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA, 1 PREEMPTION                           | AS   | 4.000    |
|     | 0670- 5-600  | TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET                    | AS   | 3.000    |
|     | 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   | 4.000    |

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| ALT                           | Item         | Description   | Unit | Quantity |
|-------------------------------|--------------|---|------|----------|
|                               | 0685- 1- 11  | UNINTERRUPTIBLE POWER SUPPLY, FURNISH AND INSTALL, LINE INTERACTIVE                             | EA   | 4.000    |
|                               | 0695- 1- 1   | TRAFFIC MONITORING SITE VEHICLE SENSOR-NON-WEIGHT, FURNISH & INSTALL                            | EA   | 6.000    |
|                               | 0695- 5- 1   | TRAFFIC MONITORING SITE SOLAR POWER UNIT, FURNISH & INSTALL                                     | EA   | 1.000    |
|                               | 0695- 6- 12  | TRAFFIC MONITORING SITE INDUCTIVE LOOP ASSEMBLY, FURNISH & INSTALL, 2 LOOPS                     | EA   | 6.000    |
|                               | 0695- 7-163  | TRAFFIC MONITORING SITE CABINET, FURNISH & INSTALL, TYPE 3, 2 PLANE BACK, POLEMOUNT             | EA   | 1.000    |
|                               | 0695- 7-600  | TRAFFIC MONITORING SITE CABINET, REMOVE EXISTING CABINET  | EA   | 1.000    |
|                               | 0700- 3-101  | SIGN PANEL, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF   | EA   | 2.000    |
|                               | 0700- 3-201  | SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF                                       | EA   | 11.000   |
|                               | 0700- 3-202  | SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF  | EA   | 2.000    |
|                               | 0700- 3-601  | SIGN PANEL, REMOVE, UP TO 12 SF   | EA   | 2.000    |
|                               | 0700- 5- 22  | INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF                        | EA   | 10.000   |
|                               | 0700- 5- 60  | INTERNALLY ILLUMINATED SIGN, REMOVE   | EA   | 4.000    |
|                               | 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    |
| <b>Section 0005 Utilities</b> |              |   |      |          |
|                               | 0160- 4-     | TYPE B STABILIZATION  | SY   | 4.000    |
|                               | 0285-710-    | OPTIONAL BASE, BASE GROUP 10  | SY   | 4.000    |
|                               | 0334- 1- 13  | SUPERPAVE ASPHALTIC CONC, TRAFFIC C   | TN   | 1.000    |
|                               | 0999- 25-    | INITIAL CONTINGENCY AMOUNT, DO NOT BID (43667915601)  | LS   | 1.000    |
|                               | 1050- 15-002 | UTILITY PIPE, ADJUST/MODIFY, 2 - 4.9"   | LF   | 10.000   |
|                               | 1050- 16-002 | UTILITY PIPE,REMOVE & DISPOSE, 2-4.9"   | LF   | 894.000  |
|                               | 1050- 16-003 | UTILITY PIPE,REMOVE & DISPOSE, 5-7.9"   | LF   | 113.000  |
|                               | 1050- 16-004 | UTILITY PIPE,REMOVE & DISPOSE, 8-19.9"  | LF   | 670.000  |
|                               | 1050- 17-004 | UTILITY PIPE,REMOVE & STOCKPILE/SALVAGE, 8-19.9"  | LF   | 415.000  |
|                               | 1050- 18-002 | UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 2- 4.9"   | LF   | 27.000   |
|                               | 1050- 18-004 | UTILITY PIPE,PLUG & PLACE OUT OF SERVICE, 8-19.9"   | LF   | 6.000    |
|                               | 1050- 31-204 | UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 4"                           | LF   | 52.000   |
|                               | 1050- 31-206 | UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 6"                           | LF   | 699.000  |
|                               | 1050- 31-212 | UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 12"                          | LF   | 579.000  |
|                               | 1050- 31-214 | UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER/SEWER, 14"                          | LF   | 468.000  |
|                               | 1050- 41-201 | UTILITY PIPE- POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 1"                                  | LF   | 19.000   |
|                               | 1050- 42-202 | UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 2"                     | LF   | 62.000   |
|                               | 1050- 42-208 | UTILITY PIPE- HIGH DENSITY POLYETHYLENE, FURNISH & INSTALL, WATER/SEWER, 8"                     | LF   | 231.000  |
|                               | 1055- 31-112 | UTILITY FITTINGS FOR PVC PIPE, FURNISH AND INSTALL, ELBOW, 12"                                  | EA   | 8.000    |

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| ALT | Item         | Description   | Unit | Quantity |
|-----|--------------|---|------|----------|
|     | 1055- 31-114 | UTILITY FITTINGS FOR PVC PIPE, FURNISH AND INSTALL, ELBOW, 14"      | EA   | 18.000   |
|     | 1055- 31-212 | UTILITY FITTINGS FOR PVC PIPE, FURNISH AND INSTALL, TEE, 12"        | EA   | 1.000    |
|     | 1055- 31-308 | UTILITY FITTINGS FOR PVC PIPE, FURNISH AND INSTALL, REDUCER, 8"     | EA   | 3.000    |
|     | 1060- 15-    | UTILITY STRUCTURE, BELOW GROUND, ADJUST/MODIFY                      | EA   | 2.000    |
|     | 1080- 21-106 | UTILITY FIXTURE, VALVE/METER BOX, FURNISH & INSTALL, 6"             | EA   | 26.000   |
|     | 1080- 21-500 | UTILITY FIXTURE, VALVE/METER BOX, ADJUST                            | EA   | 5.000    |
|     | 1080- 21-600 | UTILITY FIXTURE, VALVE/METER BOX, REMOVE                            | EA   | 1.000    |
|     | 1080- 23-102 | UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 2"       | EA   | 5.000    |
|     | 1080- 23-104 | UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 4"       | EA   | 2.000    |
|     | 1080- 23-106 | UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 6"       | EA   | 1.000    |
|     | 1080- 23-108 | UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 8"       | EA   | 1.000    |
|     | 1080- 23-112 | UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 12"      | EA   | 8.000    |
|     | 1080- 23-114 | UTILITY FIXTURE- TAPPING SADDLE/SLEEVE, FURNISH & INSTALL, 14"      | EA   | 6.000    |
|     | 1080- 24-100 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 1"            | EA   | 1.000    |
|     | 1080- 24-102 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 2"            | EA   | 6.000    |
|     | 1080- 24-104 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 4"            | EA   | 2.000    |
|     | 1080- 24-106 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 6"            | EA   | 3.000    |
|     | 1080- 24-108 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 8"            | EA   | 1.000    |
|     | 1080- 24-112 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 12"           | EA   | 8.000    |
|     | 1080- 24-114 | UTILITY FIXTURE, VALVE ASSEMBLY, FURNISH AND INSTALL, 14"           | EA   | 6.000    |
|     | 1080- 24-500 | UTILITY FIXTURE, VALVE ASSEMBLY, ADJUST/MODIFY                      | EA   | 1.000    |
|     | 1080- 26-106 | UTILITY FIXTURE, VAC/AIR ASSEMBLY, FURNISH & INSTALL 6"             | EA   | 1.000    |
|     | 1080- 27-104 | UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 4"        | EA   | 1.000    |
|     | 1080- 27-106 | UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 6"        | EA   | 1.000    |
|     | 1080- 27-112 | UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 12'       | EA   | 8.000    |
|     | 1080- 27-114 | UTILITY FIXTURE- LINE STOP ASSEMBLY, FURNISH AND INSTALL, 14'       | EA   | 6.000    |
|     | 1080- 29-104 | UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 4"  | EA   | 2.000    |
|     | 1080- 29-106 | UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 6"  | EA   | 1.000    |
|     | 1080- 29-112 | UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 12" | EA   | 8.000    |
|     | 1080- 29-114 | UTILITY FIXTURE, MECHANICAL JOINT RESTRAINT, FURNISH & INSTALL, 14" | EA   | 6.000    |
|     | 1644-800-    | FIRE HYDRANT, RELOCATE  | EA   | 1.000    |