

**ITEM 632 INTERCONNECT CABLE, COAXIAL TRUNK, .750-IN. OVERHEAD WITH ACCESSORIES, AS PER PLAN**

This cable shall be Commscope Parameter III 750 cable (Part No. P3 750 JCA) or Times Fiber T10 750 Series Semiflex cable (Part No. T10750J).

The cable length shall be marked sequentially on the jacket of the cable. No tracer shall be used on this cable.

This item includes lashing wire, hangers, connectors, and any other accessories necessary to install the coaxial trunk cable (see Cable System Materials section of these specifications).

Payment shall be as per Item 632.

**ITEM 632 INTERCONNECT CABLE, COAXIAL FEEDER, .500-IN. OVERHEAD, WITH ACCESSORIES, AS PER PLAN**

This cable shall be Commscope Parameter III 500 cable (Part No. P3 500 JCA) or Times Fiber T10 500 Series Semiflex cable (Part No. T10500J).

The cable length shall be marked sequentially on the jacket of the cable. No tracer shall be used on this cable.

This item includes lashing wire, hangers, connectors and any other accessories necessary to install the coaxial feeder cable (see Cable System Materials section of these specifications).

Payment shall be as per Item 632.

**ITEM 632 INTERCONNECT CABLE, COAXIAL FEEDER, .500-IN. OVERHEAD, AS PER PLAN**

This item is intended to be installed in the same lashing bundle with other Item 632 Interconnect Cable, Coaxial, With Accessories, As Per Plan. Therefore, this item does not include lashing wire, cable markers, hangers and other accessories.

This cable shall be Commscope Parameter III 500 cable (Part No. P3 500 JCA) or Times Fiber T10 500 Series Semiflex cable (Part No. T10500J).

The cable length shall be marked sequentially on the jacket of the cable. No tracer shall be used on this cable.

**ITEM 632 INTERCONNECT CABLE, COAXIAL DROP, RG-6 UNDERGROUND, AS PER PLAN**

When any portion of the interconnect drop cable is installed in underground conduit, the entire length of interconnect drop cable shall be Commscope 6 Series Drop Cable, Part No. F690BEF.

All "F" series male connectors for coaxial RG-6 cable shall be supplied by and installed by Division of Planning and Operations personnel.

Payment shall be per Item 632.

**ITEM 632 MESSENGER WIRE, 7-STRAND, 0.25-IN. DIAMETER WITH ACCESSORIES, AS PER PLAN**

The Contractor shall furnish and install messenger wire as shown in the plans to support the coaxial cable system. The cable shall be attached to the messenger wire by a double 0.061-inch stainless spinning wire. Messenger wire shall be rated as extra-high strength and meet the requirements of 732.18. Accessories used with messenger wire shall include thru bolts, eye bolts, suspension hangers, thimbles, preformed guy grips, pole clamps, dead-ends, and three bolt clamps as needed to support the temporary interconnect cable. The messenger wire shall be dead-ended on both sides of a street crossing. Messenger wire shall be attached using thimbles to the clevises of strain pole span wire clamps and to eye bolts. All accessories shall have a rated loading strength equal to or greater than the messenger wire minimum breaking strength.

Payment shall be as per Item 632.

**ITEM 632 SIGNALIZATION, MISC.: SPLITTER, TWO-WAY, AS PER PLAN**

The two-way splitter shall be RMS Part No. RMS 7502K.

**ITEM 632 REMOVAL OF COAXIAL INTERCONNECT CABLE, AS PER PLAN**

The Contractor shall salvage and deliver the following items to the City of Columbus, Division of Planning and Operations, at 1820 East 17th Avenue: amplifiers, amplifier cabinet assemblies, pilot generators, power supplies with cabinets, directional couplers, splitters, power inserters, camera and dome assemblies, and camera cabinet assemblies (including all equipment contained within). The Contractor shall dispose of all other items, including coaxial cable, messenger wire, lashing wire, and pole attachment hardware, unless otherwise specified.

The Contractor shall contact the City of Columbus, Division of Planning and Operations, Traffic Maintenance Manager (645-7393) twenty-four (24) hours, not including Saturday and Sunday, in advance to schedule delivery. No item will be accepted without following this procedure. The Traffic Maintenance Manager shall inspect the condition of all salvaged items being presented for delivery. No item damaged by the Contractor will be accepted, and no item shall be considered delivered until the Traffic Maintenance Manager issues a receipt to the Contractor acknowledging acceptance of delivery.

Payment shall be at the lump sum contract bid amount.

**ITEM SPECIAL RELOCATION OF AERIAL INTERCONNECT CABLE, AS PER PLAN**

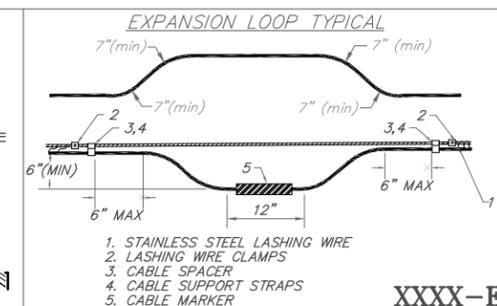
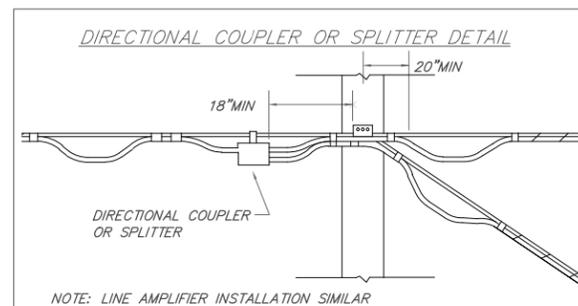
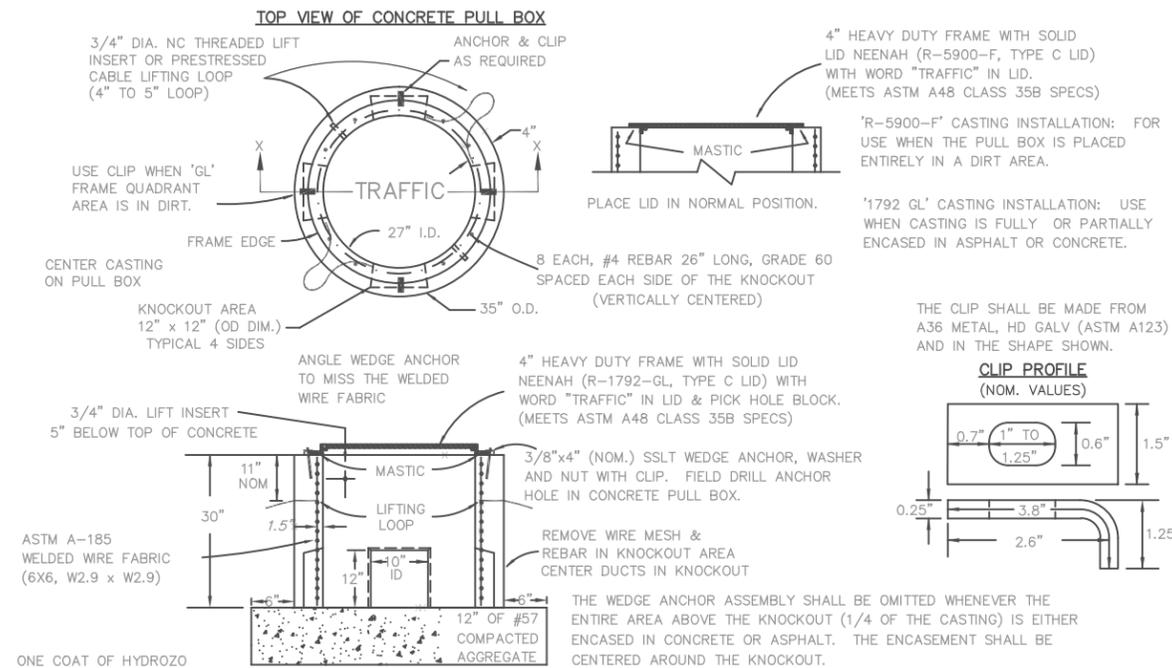
The existing signal interconnect cable connecting the Street Name 1/Street Name 2 and Street Name 1/Street Name 3 intersections shall be relocated as detailed within.

Various existing utility poles supporting the existing aerial interconnect cable and devices between these two intersections will be relocated as part of the project. This item is intended to provide for the transfer of the existing interconnect cable(s) to the relocated poles.

The result of the relocation process shall be a continuous interconnect run, without splices, between the devices shown in the plans. It shall be the Contractor's responsibility to ensure that the cable is not damaged during the removal or relocation process. If the cable is damaged, as determined by the City of Columbus Division of Planning and Operations, the Contractor shall furnish and install new interconnect cable between devices. No additional compensation will be awarded for the new cable or its installation.

Payment for the work described above shall be at the lump sum bid amount.

**ITEM 625 PULL BOX, 725.08, 27", AS PER PLAN**



| SUB-SUMMARY OF TRAFFIC SIGNAL AND INTERCONNECT ITEMS |       |      |   |                |
|--|-------|------|---|----------------|
| ITEM NUMBER  | TOTAL | UNIT | ITEM DESCRIPTION  | REF. SHIT. NO. |
| 625  | 244   | LF   | Conduit, Encased, 2", 725.05, As Per Plan   | 172            |
| 625  | 53    | LF   | Conduit, Encased, 3", 725.05, As Per Plan   | 172            |
| 625  | 3     | LF   | Conduit, 2", 725.04   | -              |
| 625  | 377   | LF   | Conduit, 2", 725.05, As Per Plan  | 172            |
| 625  | 1     | EA   | Conduit Riser, 2"   | -              |
| 625  | 652   | LF   | Trench, As Per Plan   | 172            |
| 625  | 1     | EA   | Pull Box, 725.08, 27", GL, As Per Plan  | 175            |
| 625  | 11    | EA   | Pull Box, As Per Plan   | 172            |
| 625  | 6     | EA   | Ground Rod, As Per Plan   | 172            |
| 625  | 410   | LF   | No. 4 AWG, 600 Volt Distribution Cable, As Per Plan                                   | 172            |
| 630  | LUMP  | SUM  | Signs, As Per Plan  | 172            |
| 630  | 4     | EA   | Sign Support Assembly, Pole Mounted, As Per Plan                                      | 172            |
| 630  | 4     | EA   | Sign, Double-Faced Street Name (Installation Only)                                    | -              |
| 630  | 4     | EA   | Removal of Pole Mounted Sign and Storage  | -              |
| 632  | 5     | EA   | Vehicular Signal Head, L.E.D., 3-Section, 12-Inch Lens, 1-Way, As Per Plan            | 172            |
| 632  | 3     | EA   | Vehicular Signal Head, L.E.D., 5-Section, 12-Inch Lens, 1-Way, As Per Plan            | 172            |
| 632  | 8     | EA   | Pedestrian Signal Head, As Per Plan   | 172            |
| 632  | 4     | EA   | Pedestrian Pushbutton, As Per Plan  | 172            |
| 632  | 8     | EA   | Covering of Vehicular Signal Head, As Per Plan  | 173            |
| 632  | 8     | EA   | Covering of Pedestrian Signal Head, As Per Plan                                       | 173            |
| 632  | 4     | EA   | Covering of Pedestrian Pushbutton, As Per Plan  | 173            |
| 632  | 4     | EA   | Strain Pole Foundation, As Per Plan   | 173            |
| 632  | 4     | EA   | Strain Pole, Type TC-81.10, Anchor Base, Design 5, As Per Plan                        | 173            |
| 632  | 1     | EA   | Sleeve for Anchor Base Foundation, As Per Plan  | 173            |
| 632  | 345   | LF   | Messenger Wire, 7 Strand, 3/8 in. Diameter With Accessories                           | -              |
| 632  | 1     | EA   | Removal of Traffic Signal Installation, As Per Plan                                   | 173            |
| 632  | 316   | LF   | Signal Cable, 9-Conductor, No. 14 AWG   | -              |
| 632  | 991   | LF   | Signal Cable, 7-Conductor, No. 14 AWG   | -              |
| 632  | 1808  | LF   | Loop Detector Lead in Cable, IMSA 50-2  | -              |
| 632  | 14    | EA   | Detector Loop, As Per Plan  | 172            |
| 632  | 270   | LF   | Power Cable, 3-Conductor #6, AWG As Per Plan  | 173            |
| 633  | 1     | EA   | Cabinet Foundation, As Per Plan   | 173/178        |
| 633  | 1     | EA   | Controller Unit, Type TS-2/A2, With Cabinet (P44). Type TS-1, As Per Plan             | 173            |
| 633  | 1     | EA   | Controller Item Misc.: Transceiver Interface Unit, As Per Plan                        | 174            |
| 632  | 2011  | LF   | Messenger Wire, 7 Strand, 0.25 In. Diameter With Accessories, As Per Plan             | 175            |
| 632  | 1679  | LF   | Interconnect Cable, Coaxial Trunk, 0.750-In. Overhead, With Accessories, As Per Plan  | 175            |
| 632  | 99    | LF   | Interconnect Cable, Coaxial Feeder, 0.500-In. Overhead, With Accessories, As Per Plan | 175            |
| 632  | 500   | LF   | Interconnect Cable, Coaxial Feeder, 0.500-In. Overhead, As Per Plan                   | 175            |
| 632  | 44    | LF   | Interconnect Cable, Coaxial Drop, RG-6 Underground, As Per Plan                       | 175            |
| 632  | 1     | EA   | Signalization Misc.: Splitter, Two-Way, As Per Plan                                   | 175            |
| 632  | LUMP  | SUM  | Removal of Coaxial Interconnect Cable, As Per Plan                                    | 175            |
| SPEC.  | LUMP  | SUM  | Relocation of Aerial Interconnect Cable, As Per Plan                                  | 175            |

TOTALS CARRIED TO GENERAL SUMMARY

CALCULATED  
WJF  
CHECKED  
JDS

TRAFFIC SIGNAL GENERAL NOTES  
AND SUB-SUMMARY OF QUANTITIES

PROJECT NAME

X  
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