

Count of	Flow no.	Sheet no.

Information v8.11.1.00	SECRET NAME	2024 10/10/2024 DATE PRINTED: September 9, 2023	FILE NAME: C:\Program\TES\SourceCode\J2023\J20-880 ITEM NOTES - J2A.GCM
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Junction box shall include furnishing and installing specified junction box in accordance with the specifications. This item includes concrete (if required), #5 aggregate, and backfilling and restoration of disturbed areas to the satisfaction of the resident engineer.

Wire or cable shall include furnishing and installing specified wire or cable within conduit, saw slot, or overhead as indicated on the detail sheets. Incidental to this item shall be the furnishing and installing of splice boots.

Wood pole shall include furnishing and installing specified wood pole. This item also includes excavation, backfilling, and restoring disturbed areas.

Most arm pole shall include furnishing and installing pole, arm(s), required stand mounting brackets and all necessary hardware as specified on the detail.

concrete, reinforcing steel, ground rods(s) and ground wire(s), backfilling and restoring disturbed areas to the satisfaction of the Engineer. Incidental to this item shall be installing anchor bolts and spare conduits furnished under other bid items and as specified on the detail sheets.

Install signal pedestal shall include installing specified signal pedestal and all necessary hardware for installation. This item also includes excavation, furnishing and installing concrete, reinforcing steel, conduit, fittings, ground rod, ground wire, backfilling, and restoring disturbed areas to the

Pedestal post shall include furnishing and installing specified signal pedestal and all necessary hardware for installation. This item also includes excavation, furnishing and installing concrete, reinforcing steel, conduit, fittings, ground rod, ground wire, backfilling, and restoring disturbed areas

Anchor shall include furnishing and installing specified anchor, down-guy, messenger, clamps, guy guard, and insulators (if required).

Loop saw slot and fill shall include sawing, cleaning and filling induction loop saw slot with loop sealant material.

Pedestrian detector shall include furnishing, installing, and connecting

Blankout sign shall include furnishing and installing specified sign with indications and connection to signal conductors. Incidental to the sign shall be the span wire hanger assembly (Pelco SE-3019 or approved equal).

**Install Pedestrian Head LED shall include installing specified signal LED indications, mounting brackets, and proper connection to signal conductors.**

Install signal control type 170 shall include installing a 170 controller and cabinet as specified on the detail sheets. This item includes the construction of the concrete base (if required), mounting the cabinet to the base or pole, and the connection of signals and detectors. All materials necessary to build

Beacon control shall include furnishing and installing controller housing and controller with mounting equipment, 55-1 school zone sign and time clock (if required), nema fischer and the connection of signals as specified. This item shall include furnishing and installing ground rods, ground wires and all

sign with channel posts and a 12x48 inch span mounted sign, as specified. This item shall include conduit from junction box to signal heads, conduit fittings and straps, and all associated sign mounting hardware.

Install span mounted sign shall include installing specified sign and hanger.

Span mounted sign shall include furnishing and installing specified sign and hanger. Sign R10-12 shall conform to MUTCD, 2003 Edition, requirements. Hanger and 12" chain shall be Traffic Parts, Inc. #2762 and #6175 or approved equals.

Coordinating unit for this project shall include furnishing and installing

Install coordinating unit shall include installing spread spectrum radio modem, cable, antenna, repeater, and any other necessary hardware required for 1200 baud radio data communication between the master and controller.

Temporary signal shall include furnishing, installing and maintaining necessary signal equipment (to include poles, cables, wires, signal heads, controller cabinet, loops, etc.) as indicated on the plans until no longer needed. These materials are not included in the list of quantities.

Standard Specifications for Road and Bridge Construction, current edition.

controller and cabinet for re-use as shown on plans. Any additional mounting straps, hardware, etc. necessary for reinstallation of this cabinet shall be incidental to this item. This item shall include providing electrical service conductors, electrical service conduit, fused cutout, ground rod and electrical

Remove signal equipment shall include the removal of all signal equipment not to be reused. Control equipment and signal heads shall be returned to the Department of Highways as directed by the engineer. All other equipment and materials shall be disposed of by the contractor off the project.

At each signal controller, the contractor shall be responsible for having the existing telephone service drop moved to the new controller cabinet or having new telephone service drop installed if one does not exist. A minimum of eight feet of telephone cable with an RJ-11 modular plug attached shall be left at

Video camera shall include furnishing and installing specified video camera as shown on detail sheet. This item shall include furnishing and installing video modules, mounting bracket, truss type arm (if necessary), power cable, coaxial cable, and all hardware necessary for proper installation. Contractor shall

Include furnishing and installing truss type arm (if necessary), power cable, coaxial cable, and all hardware necessary for proper installation. Contractor shall notify the resident engineer when installation is complete for placement of loops.

proper installation. The contractor shall notify the resident engineer when video loops are to be installed. Incidental to this item shall be two relocations of the video camera to a traffic pole and any camera modification due to lane shifts or closures. Also incidental to this item is the removal of

The Contractor shall be responsible for picking up install items from the Frankfurt pole yard and delivering these items to the site. The Contractor shall contact Frankfurt pole yard personnel (502-564-3820) and arrange to pick

temporary relocation of signal heads shall include the moving of all affected traffic signals to a new location. This item also includes all necessary cable and splicing hardware (if required) needed to attach the traffic signals at the new location.

Contractor shall be responsible for payment of electric service for all signals. The Kentucky Transportation Cabinet will assume responsibility for payment of electric service when the project is called complete and all testing has been completed. Payment for this item shall be incidental to the cost of the project.

**Specifications.** This item does not include furnishing and installing conduit. Install mast arm pole shall include installing specified pole, arm(s), required slant mounting brackets and all necessary hardware for installation as specified on the detailsheet. This item includes furnishing anchor bolts to

be installed under the bid item 1/2 Traffic Signal Pole Base 1/2.