**REVISION OF SECTION 630**

**TRAFFIC SIGNAL (TEMPORARY)**

**Section 630 of the Standard Specifications is hereby revised for this project to include the following:**

**Section 630.01 is hereby revised to include the following:**

This work shall consist of furnishing, installing, maintaining, and removing a temporary traffic signal installation as shown on the traffic control plans.

**Section 630.04 is hereby revised to include the following:**

*(a) Installation:* The Contractor shall install the temporary signals as required to meet the construction schedule. The Contractor shall notify the Engineer at least 48 hours in advance when the temporary signal installation is ready to be turned on. Representatives of the CDOT will then inspect the installation. After the approval, the maintenance of the temporary signal installation, including all energy charges, shall become the responsibility of the Contractor until the Engineer directs removal. The Contractor shall be responsible for maintaining the signals in proper operating condition. Any damage to the temporary traffic signal installation from any cause whatsoever shall be repaired by the Contractor at his own expense. The Contractor may institute action to recover damages from a responsible third party. If, at any time, the Contractor fails to perform any work deemed necessary by the Engineer to keep the temporary traffic signals in proper operating condition, CDOT reserves the right to have other Contractors perform the needed work. The cost of such work will be deducted from the amount due to the Contractor. All materials and labor required to install the temporary traffic signal and adjust traffic signal heads during construction shall be the responsibility of the Contractor. All equipment installed shall remain the property of the Contractor.

*(b) Span Wire Installation:* This work shall consist of furnishing, installing, or resetting the traffic signal controller and cabinet, steel span wire poles, span wire with accessories, signal heads, electrical service and all cable and wiring as necessary.

*(c) Construction and Material Requirements:*

(1) **Poles:** Steel poles shall conform to CDOT standards for traffic signal span wire poles. All poles shall be 35 feet long, Class 5 minimum. The poles shall be erected with a 1-inch rake. Pole depth shall be in accordance with CDOT Standards for span wires. The backfill shall be tamped and compacted around the pole in 6-inch lifts.

(2) **Span Wire:** The span wire shall be of 3/8 inch nominal diameter, 7‑strand, zinc‑coated steel wire conforming to ASTM A475, utilities grade.

(3) **Span Wire Accessories:** The components of span wire accessories shall meet the following requirements and, with the exception of nylon cable hangers, shall be galvanized in accordance with AASHTO M 232.

The span wire accessories shall be assembled and installed in accordance with CDOT standard S‑614‑40 for span wire signals.

(4) **Thimble-Eye Bolts, Nuts, and Washers:** The thimble‑eye bolts and nuts shall be 5/8 inch in nominal diameter and conform to ASTM A307.

 (5) **3-Bolt Clamps:** The 3‑bolt clamps shall have a minimum breaking strength of 51.2 KN.

(6) **Dead-Ends:** Dead‑ends shall be made of the same materials as the span wire to which they are attached.

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**REVISION OF SECTION 630**

**TEMPORARY TRAFFIC SIGNAL**

(7) **Cable Hangers:** The cable hangers shall be made of nylon or steel.

(8) **Traffic Signal Heads:** Traffic signal heads will be furnished and installed by the Contractor. The Contractor will furnish and install all accessories and cables necessary to complete the installation.

*(d) Removal of Temporary Traffic Signal Installation.* The Contractor shall remove the temporary traffic signal installation when notified to do so by the Engineer. The Contractor shall be responsible for proper disposal of unusable material. Any holes resulting from removal of the poles shall be backfilled and compacted by the Contractor in accordance with the respective sections.

*(e) Wiring.* Type and size of wire and cable to be used and installation methods employed shall conform to the requirements of the National Electrical Code and to IMSA cable specifications.

*(f) Resetting Traffic Signal Heads.* The Contractor shall reset temporary traffic signal heads as required or as directed by the Engineer to accommodate traffic shifts as needed. This will primarily consist of resetting heads as requested by the Engineer. All resetting of temporary heads to accommodate construction traffic shifts shall be considered included in the unit price for Traffic Signal (Temporary) and will not be paid for separately.

**Section 630.15 is hereby revised to include the following:**

This work will be paid for at the contract unit price for TRAFFIC SIGNAL (TEMPORARY) which price shall be payment in full for all materials, equipment, and labor necessary to install the temporary traffic signal, maintain and operate the signal including energy charges, and to remove the temporary traffic signal installations.

**Section 630.16 is hereby revised to include the following:**

Payment will be made under:

Pay Item Pay Unit

Traffic Signal (Temporary) Lump Sum