



Project Special Provisions (Version 12.0) Signals and Intelligent Transportation Systems

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1. EXTRA LARGE OVERSIZED HEAVY-DUTY JUNCTION BOX

1.1. DESCRIPTION

Furnish and install Extra Large Oversized Heavy-Duty Junction Boxes (pull boxes) with all necessary hardware in accordance with the Plans and these Project Special Provisions.

Furnish junction boxes with covers, graded stone, grounding systems, and all necessary hardware.

1.2. MATERIALS

A. Junction Boxes:

Comply with Article 1098-5 and 1091-5 of the NCDOT Standard Specifications.

B. Graded Stone:

Comply with Articles 545 of the NCDOT Standard Specifications.

C. Extra Large Oversized Heavy-Duty Junction Boxes:

Append the following section to Article 1098-5 of the NCDOT Standard Specifications:

Provide Extra Large Oversized Heavy-Duty Junction Boxes with a minimum inside dimension of 36"(l) x 24"(w) x 30"(d) inches.

1.3. CONSTRUCTION METHODS

A. General:

Comply with Article 1716-3 of the NCDOT Standard Specifications except as noted herein:

Install the junction boxes flush with finished grade. Do not install sealant compound between junction boxes and covers.

Provide real world coordinates for all junction boxes installed or used under this project as specified in Article 1716-3 of the NCDOT Standard Specifications. Provide the coordinates in feet units using the North Carolina State Plane coordinate system (1983 North America Datum also known as NAD '83). Furnish coordinates that do not deviate more than 1.7 ft. in the horizontal plane and 3.3 ft. in the vertical plane. Global positioning system (GPS) equipment able to obtain the coordinate data within these tolerances may be used.

1.4. MEASUREMENT AND PAYMENT

The actual number of "Junction Box (Extra Large Over-sized, Heavy-Duty)" of each size and type furnished, installed and accepted.

No measurement will be made of covers, graded stone, or obtaining real world coordinates as these items will be considered incidental to furnishing and installing Extra Large Oversized Heavy-Duty Junction Boxes.

Payment will be made under:

Junction Box (Extra Large Over-Sized, Heavy Duty).....Each