

86300

863.00

Designer Note: Check with Programming (John Fentem) prior to including this special provision. Intended to be used with traffic counter installations District wide/various routes. Also include 873.00d and 886.00d. Include CADD Standard 836002-D4.

## **TERMINAL FACILITY**

Effective March 21, 1994

Revised January 1, 2007

This item shall consist of furnishing and installing a loop terminal facility at the location indicated on the plans, or as directed by the Engineer.

The terminal facility shall be provided and wired as shown on the plans. The metal moisture-proof mounting box shall have a keyed entry and shall be mounted on a 4" x 6" x 6' (102 mm x 152 mm x 1.83 m) or 4" x 4" x 6' (102 mm x 102 mm x 1.83 mm) treated wood post (as directed by the Engineer) meeting the requirements of Section 1007 of the Standard Specifications. The treated wood post shall be installed at the location indicated on the plans or as directed by the Engineer. The P.V.C. conduit will be of the same type used in P.V.C. Conduit in Trench.

The #18 multi-pair twisted shielded wire loop leads shall be placed in the box to provide slack as necessary to connect to the terminal strip. The two lead wires from each loop shall be connected to their respective terminals on the terminal strip.

The metal moisture-proof mounting box shall be fastened to the treated wood post through at least two lugs with 1-1/2" (38 mm) #8 round head wood screws. The metal moisture-proof mounting box shall be attached with a reducing adapter to the vertical section of P.V.C. conduit. The P.V.C. conduit shall be held in place against the treated wood post with a clamp located approximately 9" (229 mm) above the ground line.

Care should be taken during the backfilling of the trench to not put excessive pressure on the conduit and cause a separation of conduit and reducing adapter.

This work will be paid for at the contract unit price Each for TERMINAL FACILITY, which price shall be payment in full for all necessary labor, equipment, backfilling, disposal of surplus materials, and furnishing all materials for completion of the facility.