

BRIDGE-MOUNTED DUCT BANK

****From Bennington BRF 1000(16)**

- xx. DESCRIPTION. This work shall consist of furnishing and installing bridge-mounted utility duct bank(s) and associated joint assemblies, structural steel supports, utility support hanger assemblies, and abutment penetrations at the location indicated on the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions, the Plans, and Sections 506 and 625 of the Standard Specifications.

The terms "Duct" and "Conduit" are used interchangeably in these provisions.

- xx. MATERIALS. Conduit shall be PVC schedule 40 Rigid Wall Conduit conforming to NEMA Standard TC-2. Conduit at abutment penetrations and bends (sweeps) shall be galvanized steel with a minimum bend radius of 36 inches.

Materials for structural steel supports and utility support assemblies shall meet the requirements specified in the Plans.

- xx. FABRICATION DRAWINGS. The Contractor shall submit Fabrications Drawings of the utility support hanger assemblies and structural steel supports for review and approval in accordance with Subsection 105.03.

- xx. INSTALLATION. The conduits, joint assemblies, utility support assemblies, and structural steel supports shall be installed as shown in the Plans and as directed by the Engineer.

Conduit bends shall match bends as noted in the Plans. Conduits shall be installed with minimum bends. No sharp bends will be allowed.

If at the time the cable is being installed in the conduit by the utility, the cable cannot be pulled through the conduit, then the Contractor shall replace/repair (at the Contractor's expense) the conduit.

The Contractor shall furnish and install a minimum 300 lb nylon pull-in cord in each duct. The pull-in cords shall be installed in the completed ducts.

Duct joints shall be made watertight by the use of brush-applied cement as recommended by the manufacturer.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Bridge-Mounted Duct Bank) to be measured for payment will be on a lump sum basis in the complete and accepted work.

- xx. BASIS OF PAVEMENT. The accepted quantity of Special Provision (Bridge-Mounted Duck Bank) will be paid for at the Contract lump sum price. Payment will be full compensation for detailing,

furnishing, handling, and placing the materials specified, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.640 Special Provision (Bridge-Mounted Duct Bank)	Lump Sum