

BRIDGE RAILING, TRUSS

****From Montpelier BPNT(17)**

- xx. DESCRIPTION. This work shall consist of furnishing and attaching bridge railing to an existing steel truss bridge as shown 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 Section 525 of the Standard Specifications.

- xx. MATERIALS. Materials for Bridge Railing, Truss shall meet the following requirements:

Structural Steel.....	714.03
Hardware.....	714.05
Structural Steel Tubing.....	732.03

- xx. CONSTRUCTION REQUIREMENTS. Bridge Railing, Truss shall be installed as detailed on the Plans and as directed by the Engineer.

The railing shall be primed in the shop and shall receive a top coat of paint in the field. Galvanizing of the railing components will not be required.

- (a) Shop Preparation for New Steel. Final surface appearance of new steel, prior to any application of primer, shall be at least equivalent to a "near white" surface preparation grade SSPC-SP10 (ASTM D2200 grade Sa 2-1/2). The surface roughness (profile) shall be within the range of 0.038 mm to 0.064 mm (1.5 to 2.5 mils).

- (b) Paint Systems for New Steel. For shop applied painting of new steel, a coating system shall be selected in accordance with the Contract Documents. All coatings shall be applied within the dry film thickness limits specified and in no case shall the zinc primer exceed the specified thickness within the areas of the faying contact surfaces (bolted joint connections). On bolted connections, zinc primers within their specified thicknesses shall meet a Class B slip resistance.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Bridge Railing, Truss) to be measured for payment will be the number of meters (linear feet) of railing placed in the complete and accepted work, measured within the pay limits designated in the Plans.

- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Bridge Railing, Truss) will be paid for at the Contract unit price per meter (linear foot). 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 Railing, Truss)	Meter (Linear Foot)