

FIELD DRILLING HOLES IN STRUCTURAL STEEL

**\*\*From Hartford-Sharon FITS(503)**

- xx. DESCRIPTION. This work shall consist of drilling holes in existing painted steel bridge stiffener plates at the locations indicated in the Plans.
- xx. MATERIALS. An approved paint system shall be applied to the bridge steel wherever the existing paint has been damaged during field drilling of holes. The paint system used for the repair shall be the same system utilized on the existing steel or another system on the Qualified Products List and approved for use by the Engineer and in accordance with Section 513.
- xx. CONSTRUCTION REQUIREMENTS.
- (a) Field drilling shall be at the locations specified on the Plans. Drilled holes shall meet the dimensions specified on the Plans. Mislocated holes shall be weld repaired and located correctly at full cost to the Contractor, unless approved by the Engineer.
  - (b) Torch cutting of holes is strictly forbidden. Welding to existing bridge steel is not allowed.
  - (c) Damage to existing bridge structures including girders, cross frames, bracing, and the bridge deck shall be avoided. At the direction of the Engineer, damage to the existing structure shall be repaired solely at the Contractor's expense.
  - (d) Damage to the existing bridge steel protective coating shall be avoided. At the direction of the Engineer, local damage to existing protective coatings or paint system shall be repaired solely at the Contractor's expense. Surfaces to be repaired shall be prepared in conformance with Section 513. Field application shall be in conformance with Section 513.
- It is anticipated that repair of protective coatings shall be in an open field environment and shall be limited to brush or roller.
- (e) Drilling shall be on painted surfaces. The Contractor shall take necessary precautions specified in Section 513 to fully protect the environment, the workers, traffic, parked vehicles, adjacent property, and other portions of the structure on which operations are being performed, from damage caused by drilling debris. All waste material shall be collected and shall become the property of the Contractor and shall be removed from the site at the Contractor's sole cost.
  - (f) The Contractor shall submit a report to the Engineer for approval that outlines the intended process, methods, materials and machinery intended for use.
- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Field Drilling Holes in Structural Steel) to be measured for payment will be the total number of holes drilled in the complete and accepted work.

1/26/2011

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Field Drilling Holes in Structural Steel) will be paid for at the Contract unit price per each. Payment will be full compensation for performing the work specified and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work accepted.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.620 Special Provision (Field Drilling Holes in Structural Steel)	Each