

BRIDGE RAILING REPAIR

****From Springfield BHF 016-2(14)**

- xx. DESCRIPTION. This work shall consist of repairing and resetting existing bridge railing components, and furnishing and installing new bridge railing components as shown in the Plans and as directed by the Engineer.

The work under this Section shall be performed in accordance with these provisions and Section 525 of the Standard Specifications, with the exception that the provisions of Subsection 525.03 do not apply.

- xx. MATERIALS.

(a) Railing Components and Hardware. Existing railing components and hardware shall be re-used, as deemed re-usable by the Engineer. Any missing or damaged railing components or hardware shall be replaced in-kind in accordance with the Plans.

(c) Concrete. Concrete shall meet the requirements of Section 501 for Concrete, High Performance Class A.

(d) Reinforcing Steel. Reinforcing steel shall meet the requirements of Section 507 for Epoxy Coated Reinforcing Steel.

- xx. CONSTRUCTION REQUIREMENTS. Prior to the removal of the existing bridge railing, the Contractor shall take all field measurements necessary to ensure that railing elements to be replaced in-kind can be reconstructed to the identical dimensions, appearance, and configuration as the existing railing.

The Contractor shall remove all metal elements of the existing bridge railing. The Contractor shall remove these materials in such a manner that salvageable components are not damaged. These elements shall be either stockpiled for repair and re-use or disposed of by the Contractor, as determined through a joint inspection by the Contractor and the Engineer. Existing concrete posts and reinforcing steel shall be removed and disposed of in their entirety.

Damaged or missing rail and hardware elements shall be replaced in-kind. Rail and hardware elements to be re-used shall be cleaned and painted in accordance with Section 513.

The final coat of paint for all repaired and replacement elements shall be green in conformance with Subsection 708.03.

New concrete posts and repaired and replacement pipe and spindle railing components shall be constructed and installed in accordance with the configuration shown on the Plans.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Bridge Railing Repair, Pipe and Spindle) to be measured for payment will

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be the number of meters (linear feet) of railing repaired in the complete and accepted work, measured along the face of railing.

- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Bridge Railing Repair, Pipe and Spindle) will be paid for at the Contract unit price per meter (linear foot). Payment will be full compensation for taking any necessary field measurements of existing railing elements; identifying railing elements to be repaired or replaced; furnishing new railing components and hardware, including painting; cleaning, painting, and repairing existing railing components and hardware designated for re-use; transporting materials to and from a fabrication shop; new concrete and reinforcing steel in curbs and railing posts above top of sidewalk; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

Removal and disposal, or removal and stockpiling for re-use, of existing railing components will be paid for under Contract item 529.20.

Furnishing and placing conduit, wiring, and anchoring hardware for street lighting will be paid for separately under the appropriate Contract items.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.640 Special Provision (Bridge Railing Repair, Meter Pipe and Spindle)	(Linear Foot)