

HIGH PERFORMANCE STEEL, CURVED PLATE GIRDER, GRADE HPS 70W

****From Bristol STP F 021-1(15)**

- xx. DESCRIPTION. This work shall consist of furnishing, erecting, and when specified, coating fabricated high performance structural steel components.

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

- xx. MATERIALS. Material shall be unpainted, high-strength low-alloy steel conforming to AASHTO M 270M/M 270 and ASTM A 709/A 709M. ASTM A 709/A 709M supplementary Requirement S83, "Non Fracture Critical Material Toughness Testing and Marking" will apply, and must be specified with the mill order.

- xx. WELDING. Only submerged arc welding and shielded metal arc welding will be permitted. Consumable handling requirements shall be in accordance with AWS D1.5.

(a) Filler Metals.

- (1) Unless otherwise noted on the Plans, filler metals for all fillet welds shall be in conformance with AWS D1.5, Table 4.1.
- (2) Filler metals for single pass fillet welds need not meet the requirements for exposed bare applications of Section 4.1.4 of AWS D1.5-95, as long as they comply with Section 4.1.5.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (High Performance Steel, Plate Girder, Grade HPS 70W) to be measured for payment will be the number of kilograms (pounds) used in the complete and accepted work, as computed in accordance with Subsection 506.24(a).

- xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (High Performance Steel, Plate Girder, Grade HPS 70W) will be paid for at the Contract unit price per kilogram (pound). Payment will be full compensation for furnishing, detailing, handling, transporting, and placing the materials specified, including nondestructive testing of welds; for preparing the surface of new steel to be galvanized, metalized, or to remain unpainted; for necessary field cleaning; for sealer coating of metalized surfaces; for metalizing or galvanizing of surfaces unless otherwise paid for; for furnishing and implementing the erection plan, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

The costs of surface preparation of new steel to remain unpainted or to be galvanized or metalized will not be paid for directly, but will be considered incidental to Special Provision (High Performance Steel, Plate Girder, Grade HPS 70W).

Surface preparation of rehabilitated or reconditioned steel, whether it is to receive protective coating(s) or it is to remain uncoated; surface preparation of galvanized steel that is to receive additional protective coating(s); and surface preparation of new steel that is to receive protective coating(s), except for the sealer coating of metalized surfaces are not included under Special Provision (High Performance Steel, Grade HPS 485W). The costs of this work will be paid under the appropriate Section 513 Contract items.

The Engineer may authorize progress payments in the following manner:

- (a) A maximum of 75 percent of the Contract quantity may be paid when the steel has been delivered to the site.
- (b) A maximum of 95 percent of the Contract quantity may be paid when the steel has been erected, falsework removed, extended weights have been received and checked, and painting of connections and "touch up" completed where required.
- (c) After completion and acceptance of all work under this Section, 100 percent of the Contract quantity will be paid.

All nondestructive testing and required quality control activities will be considered incidental to fabrication, and no separate payment will be made.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.635 Special Provision (Structural Steel, Curved Plate Girder, Grade HPS 70W)	Kilogram (Pound)