

costs and expenses necessary to complete the work.

Payment will be made under:

Item No.	Pay Item	Pay Unit
7243100	Elastomeric Bearing	Each

SECTION 725

SHOP PLANS AND WORKING DRAWINGS FOR STRUCTURES

725.01 Description. The following policy shall be adhered to when submitting Shop Plans and Working Drawings for structures. Failure to follow this policy will delay processing of submittals. Any subsequent loss of construction time due to failure to follow this policy will not change the project's completion date.

725.02 Shop Plans. Shop plans are required for fabricated items that will remain a permanent part of structures. Shop plan submittals for projects designed in-house shall be forwarded to the following address:

South Carolina Department of Transportation
Bridge Design Engineer - Room 508
955 Park Street
Columbia, S.C. 29201

Shop plan submittals for projects designed for the Department by a Design Consultant shall be sent directly to the Consultant. The Contractor will be provided with the necessary mailing information at the Preconstruction Conference.

For submittals sent to the Bridge Design Engineer, a copy

of the transmittal letter shall be sent to the Bridge Construction Engineer, and to the Engineer. For submittals sent directly to a Design Consultant, a copy of the transmittal letter shall also be sent to the Bridge Design Engineer, Bridge Construction Engineer, and the Engineer.

Shop plan submittals shall be clearly marked as containing "**SHOP PLANS.**"

Shop plan submittals shall contain seven white print sets of drawings. Shop plans shall be on one of the following plan sizes:

Size A 22 inch x 36 inch (ISO A1 Metric size 841.0 mm x 594.0 mm is acceptable.), or

Size B 11 inch x 17 inch (ISO A3 Metric size 420.0 mm x 297.0 mm is acceptable).

The following items in the table below require shop plan submittals on the plan size A or B as indicated:

Item Requiring Submittal	Plan Size
Structural Steel Members	A
Structural Steel Parts of Expansion Joint	A
Structural Steel Parts of Bearings	A
Miscellaneous Steel Members except Piling and Sway Bracing	A
SIP Bridge Deck Forms	A
Prestressed Concrete Beam or Girder	A or B
Post-tensioned Concrete Beam or Girder	A
Prestressed Concrete Piling	B
Miscellaneous Prestressed and Post-tensioned Concrete Members	A or B
Other items as may be required as specified in the plans or in the special provisions	A or B

Shop plan shall bear the seal and signature of a South

Carolina Registered Professional Engineer with the exception of the following items that are fabricated in accordance with details shown in plans.

1. Armor plates.
2. Prestressed concrete piling.
3. Bearing or sole plates, shims and booster plates.
4. Anchor bolt assemblies and tie rod assemblies.

Temporary FAX submittals will only be accepted when approved in advance by the Bridge Design Engineer and **MUST** be followed by submittal of the proper number and size of shop plans.

Fabricators shall electronically submit "as fabricated" drawings to the Bridge Design Engineer for the Department's project records. The "as fabricated" drawings shall be submitted for all required items, except for SIP Bridge Deck Forms.

725.03 Working Drawings and Design Calculations.

Working drawings and design calculations for prestressed beams, construction falsework or temporary structures shall be submitted to the Bridge Construction Engineer at the following address:

South Carolina Department of Transportation
Bridge Construction Engineer-Room 504
955 Park Street
Columbia, S.C. 29201

The Contractor shall submit to the Bridge Construction Engineer seven sets of working drawings and design calculations for review, a minimum of three weeks before erection or installation. The allowable stresses used for design, working loads, the load capacity of all support elements and the design specifications shall be stated on the drawings. Drawings

shall be fully detailed, showing layout of elements, sizes, material specifications and manufacturer's recommendations for installation.

For submittals sent to the Bridge Construction Engineer, a copy of the transmittal letter shall be sent to the Engineer.

725.04 Measurement and Payment. This work will not be measured for payment. No separate payment will be made for compliance with this specification. All costs of the above work shall be considered incidental to the project and included in other items of work.

SECTION 726

BRIDGE DECK REHABILITATION

726.01 Description. This work shall consist of installing a low slump or latex modified portland cement concrete overlay over an existing portland cement concrete bridge deck. The work includes removing deteriorated concrete for the full or partial depth of the deck, preparing the area for the new concrete, placing, curing and finishing the overlay area.

MATERIALS

726.02 Overlay Materials. All overlay materials shall be approved prior to use. The moisture contents of the overlay aggregates, especially the fine aggregate, shall be controlled by the Contractor so that at the time of mixing, the moisture content of each aggregate is relatively uniform. The material shall feed uniformly when continuous type mixers are used; and the moisture contents of the aggregates are not so great that the water-cement ratio or slump requirement for the concrete mixture is violated. Any concrete produced that is not properly proportioned or is not in conformity with the specified