

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
QUALIFIED PRODUCT POLICY FOR
QUALIFIED PRODUCT LIST 49 – SEMI-RIGID GUARDRAIL**

This policy covers Semi-Rigid Guardrail used within SCDOT rights of way. Semi-Rigid Guardrail includes standard W Beam and Thrie Beam, their Components, and End Treatments for those systems. Guardrail components and end treatments must meet the criteria of NCHRP 350 Test Level 3, minimum and be fabricated in the United States.

Prior to being placed on **Qualified Product List 49 (QPL 49)**, the Guardrail or Component manufacturer shall supply certification that supplied components conform to SCDOT Standard Drawings.

Distributors will not be listed on QPL 49, but may re-sell any of the components listed thereon provided proper documentation of the fabrication of the item is provided to the Resident Engineer.

SCDOT Standard/FHWA/Task Force 13: Manufacturers producing non-proprietary components must supply systems that conform to the SCDOT Standard Drawings.

805-105-00	W Beam Guardrail
805-305-00	Thrie Beam Guardrail
805-330-00	<i>Thrie Beam Terminal Connector *</i>
805-330-00	<i>Thrie Beam to W Beam Transition Section *</i>
805-750-02	<i>W Beam Terminal Connector *</i>
805-750-XX	<i>W Beam Type B End Treatment *</i>
805-775-XX	<i>Thrie Beam Type B End Treatment *</i>

Proprietary to Manufacturer: Manufacturers owning patents to or producing proprietary components must supply systems that conform to the FHWA Tested and Approved configuration and applicable to the SCDOT Standard Drawings and this Qualified Product List. For each guardrail configuration, SCDOT will maintain only one proprietary system for each manufacturer. When manufacturers wish to supply updated proprietary systems, they must submit all required information on the updated system for review. If qualified, the updated system will replace the previous version of the system for all future projects.

805-110-00	W Beam Composite Offset Blocks
805-210-00	Adjustable W Beam Composite Offset Blocks
805-310-00	Thrie Beam Composite Offset Blocks
805-710-00	Type T End Treatments
805-720-00	<i>Impact Attenuators (Type IA-1) *</i>
805-720-00	<i>Impact Attenuators (Type Bullnose) *</i>

* Will be listed on QPL 49 when product information is submitted.

Submittals:

For each project, Manufacturer must submit the following items with the guardrail component shipment for review by the Office of Materials and Research:

1. Brand Registration and Guarantee, described in AASHTO M 180
2. Material Safety Data Sheets
3. Certified Mill Test Results for each steel lot used in the fabrication of standard rail, posts, and steel components of proprietary systems.

Submit the above items to the Resident Engineer with the guardrail shipment.

Contractors shall use only manufacturers listed on QPL 49.

Distributors may only supply components from the manufacturers/patent owners listed on QPL 49 and are responsible for supplying all required documentation for each system.

SEMI-RIGID GUARDRAIL PRODUCT INFORMATION FORM

When requesting to be listed on QPL 49, manufacturer must submit the following for each product:

1. Product Literature (Required only for Proprietary Items)
2. All FHWA Test Results / Letters pertaining to item (Required only for Proprietary Items)
3. A letter certifying compliance with SCDOT Standard Drawings
4. Semi-Rigid Guardrail Product Information Form (Signed & Dated)

Manufacturer Name: _____

Street Address _____

City _____

State, Postal Code _____

Company Website _____

Contact Name: _____

Contact Email: _____

Phone Number _____

Fax Number _____

The company above wishes to be included on Qualified Product List 49 for the items checked below. We understand that by requesting to be placed on QPL 49, we are agreeing to comply with all of the details noted on the corresponding SCDOT standard drawings. It is the company's responsibility to make sure that the information listed on QPL 49 is current and accurate. Please complete an updated Product Information Form if any of the information listed on QPL 49 changes.

For Standard Items:

- | | | |
|------------|--------------------------|--|
| 805-105-XX | <input type="checkbox"/> | W Beam Guardrail (Rail) |
| 805-305-XX | <input type="checkbox"/> | Thrie Beam Guardrail (Rail) |
| 805-325-XX | <input type="checkbox"/> | Thrie Beam Guardrail Terminal Connector |
| 805-325-XX | <input type="checkbox"/> | Thrie Beam to W Beam Transition Section |
| 805-750-XX | <input type="checkbox"/> | W Beam Guardrail Type B Trailing End Treatment |
| 805-750-XX | <input type="checkbox"/> | W Beam Guardrail Terminal Connector |
| 805-775-XX | <input type="checkbox"/> | Thrie Beam Guardrail Type B Trailing End Treatment |

Contact Signature: _____

Date: _____

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For Proprietary Items:

805-110-XX W Beam Guardrail Composite Offset Block :

Trademark Name: _____

FHWA Letter #s: _____

805-210-XX Adjustable W Beam Guardrail Composite Offset Block :

Trademark Name: _____

FHWA Letter #s: _____

805-310-XX Thrie Beam Guardrail Composite Offset Block :

Trademark Name: _____

FHWA Letter #s: _____

805-710-XX Guardrail End Treatment Leading Type T (Standard 805-710-00):

Trademark Name: _____

FHWA Letter #s: _____

805-720-XX Guardrail End Treatment Leading Impact Attenuator (IA-1 Standard 805-720-00):

Trademark Name: _____

FHWA Letter #s: _____

805-710-XX Guardrail End Treatment Leading Bullnose:

Trademark Name: _____

FHWA Letter #s: _____

Contact Signature: _____

Date: _____

Please send the requested information to: Henry Cross
Design Standard Engineer
955 Park Street, Room 409
Columbia, SC 29201
(803) 737-1850 Ph, (803) 737-0608 Fax