



STEEL PLATE BEAM GUARD

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2013 YEAR

Policy Change - May 27, 2013



"Buy America" certification statements are on file at the WisDOT Truax Laboratory-WisDOT Division of Transportation Development-Bureau of Technical Services- Materials Management Section.

Manufacturer Pre Qualification

Steel plate beam guard manufacturers must provide materials from department pre-qualified Manufacturers List. Pre-qualification is based on Brand Registration and Guarantee in accordance with AASHTO M-180. Submit Brand Registration and Guarantee annually (January to January) to the WisDOT Division of Transportation Development-Bureau of Technical Services- Materials Management Section for approval. Only materials supplied from a pre-qualified producer are to be used.

For acceptance, the fabricator shall furnish AASHTO NTPEP Highway Guardrail certification (No requirement for fy 2013) - Contact Info: Katheryn Malusky, Phone: 202-624-3695, Email: kmalusky@aaashto.org and a brand registration and guarantee showing the brand name or designation, the manner in which it will appear on the fabricated beams, the typical mechanical properties, chemical composition if specified, the class and type of guardrail, and other specified properties. The fabricator shall also guarantee that as long as material is furnished under that brand and designation, it will conform fully to the requirements of the specification and shall be replaced without cost to the engineer when found not in conformity with any of the specified requirements. The brand registration and guarantee shall be sworn to for the fabricator by a person having legal authority to bind the company. If, in subsequent actual field use, there is evidence of misbranding as determined by random sampling and detection of inadequate tensile strength, yield strength, elongation, improper coating, deficient thickness, or improper fabrication, the material will be rejected and approval for further use withdrawn until subsequently reapproved. Samples for test of any material offered for use may be taken at any time deemed desirable by the engineer.

Department Verification/Project Acceptance

A Certificate of Compliance shall be furnished (for each contract) by the guardrail manufacturer/supplier for each shipment. Information on the certificate shall include the state job number, bill of lading, consignee, destination, number of items and/or length, name or brand of manufacturer, product identification number (AASHTO M180 Class A Type II) and a signed "Buy America" certification statement. All Guardrail materials and associated guardrail components are to meet the materials requirements of WisDOT Standard Specification, Section 614 and AASHTO Specification M-180. Any Beam Guardrail material found not in conformance with specifications will be removed and replaced at no cost to the Wisconsin Department of Transportation.

Producer/suppliers conforming to this procedure are authorized to provide certified guardrail products. This acceptance process makes no changes or revisions to any WisDOT, AASHTO specifications for guardrail and/or associated components.

The engineer will verify that the Certification of Compliance Product Identification number is on the shipment of beam guard delivered to the project site.

Annually, each WisDOT Region Technical Services Section (TSS) shall visit projects where Beam Guard has been installed. Randomly select a rail and test using PosiTector® Model 6000 F coating thickness gauge or equivalent to verify the minimum mean (average) for the rail is at least 80 microns, (which has been shown in the Truax laboratory for these gauges to be equivalent to the 3.6 ounces per square foot required by WisDOT specification - Section 614 Coating Thickness requirement). If the mean (average) of the rail measurements is found to be deficient, randomly select two additional rails from that heat/lot number and take a batch of measurements at each end of each of those rails. The mean coating thickness for all four of these batches must meet or exceed the specification at least 80 microns or 3.6 ounces per square foot. If not, have the vendor cut three standard two-foot samples from the original failing rail for Truax laboratory testing. Also mark the two retest rails which were tested with the field gauge for future reference. If the tests at Truax laboratory confirm deficient coating thickness, all of the beam guard provided for the contract will be removed and replaced at no cost to the Wisconsin Department of Transportation.

Beam Guard product verification may be waived if less than 500 linear feet is placed on a contract.

Department Documentation:

All Beam Guard product verification testing, as described above, shall be reported on a Materials Tracking/Materials Information Tracking (MTS/MIT) prefix 155 Miscellaneous Materials report.

Certifications of Compliance shall be referenced on an MTS/MIT prefix 900 reference report.

Contact:

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PRE-QUALIFIED STEEL PLATE BEAM GUARD MANUFACTURERS

Date last edited: 5/15/2013

<u>Contact Name</u>	<u>Manufacturer</u>	<u>Date Approved</u>
Tom Close tclose@gregorycorp.com	Gregory Highway Products, INC. 4100-13th Street S.W. P.O. Box 80508 Canton, Ohio 44708 Phone: 330-477-4800, EXT. 165	5/6/2013
Clark Dorr cdorr@rgsteel.com	R.G. Steel Corporation P.O. Box 356, Rt 551 Pulaski, PA 16143 Phone: 742-565-1722	12/11/2012
Scott Myers Scott.myers@trin.net	Trinity Highway Products, LLC. 2525 Stemmons Freeway Dallas, TX 75207 Phone: 214-589-8814	5/14/2013

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