

Illinois Department of Transportation  
Bureau of Materials and Physical Research  
**APPROVED LIST OF CORRUGATED SHEET STEEL BEAMS FOR HIGHWAY GUARD RAIL**  
**March 30, 2012**

**This list supersedes the October 21, 2011 list.**

Standard Specifications for Road and Bridge Construction, Section 1006.25 ([current year issued](#))

The field inspector must check the zinc coating per the requirements of AASHTO M 180 by means of a magnetic thickness gage.

Material Code: 55100, 55101, 55102, 55104, 55105, 55106, 55107 or 55110

**For information regarding new product submittal, click the “New Submittal” bookmark to the left.**

Central Fabricators, Inc. P.O. box 930 Kosciusko, MS 39090  Producer Number: 6016-01	FORMET, Inc. 5801 Riverside Laredo, TX 78041  Producer Number: 6637-01 <a href="http://www.formetinc.com/">http://www.formetinc.com/</a>	Gregory Highway Products Inc. 4100 13 <sup>th</sup> Street SW Canton, OH 44706  Producer Number: 795-01 <a href="http://www.gregorycorp.com/">http://www.gregorycorp.com/</a>
Highway Safety Corporation P.O. box 358 Glastonbury, CT 06033  Producer Number: 5628-01 <a href="http://www.highwaysafety.net/">http://www.highwaysafety.net/</a>	Highway Safety Corporation 473 West Fairground Street Marion, OH 43302  Producer Number: 5628-02 <a href="http://www.highwaysafety.net/">http://www.highwaysafety.net/</a>	Highway Safety Systems (HSS) 1266 South Orchard Road Montgomery, IL 60506  Producer Number: 6251-02
IMH Products, Inc 1121 East 46 <sup>th</sup> Street Indianapolis, IN 46205  Producer Number: 6670-01 <a href="http://www.imh.com/">http://www.imh.com/</a>	IMH Products, Inc 2073 Dr. Andrew J. Brown Ave Indianapolis, IN 46202  Producer Number: 6670-02 <a href="http://www.imh.com/">http://www.imh.com/</a>	Trinity Industries, Inc. P.O. Box 7596 Ft. Worth, TX 76111  Producer Number: 2214-02 <a href="http://www.trin.net/">http://www.trin.net/</a>
Trinity Industries, Inc. 425 E. O’Conner Lima, OH 45802  Producer Number: 2214-03 <a href="http://www.trin.net/">http://www.trin.net/</a>	Trinity Industries, Inc. 1170 N. State Street Girard, OH 44470  Producer Number: 2214-06 <a href="http://www.trin.net/">http://www.trin.net/</a>	Trinity Industries, Inc. 950 West 400 South Centerville, UT 84014  Producer Number: 2214-07 <a href="http://www.trin.net/">http://www.trin.net/</a>
R.G. Steel Corporation P.O. Box 356 Pulaski, PA 16143  Producer Number: 5334-01 <a href="http://www.rgsteel.com/">http://www.rgsteel.com/</a>	SPIG Industry, LLC 14675 Industrial Park Rd. Bristol, VA 24202  Producer Number: 6620-01	

**Domestic Steel Act Applies:**

All iron and steel products, which are to be incorporated into state projects shall be domestically manufactured or produced and fabricated. The Contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements. The application of all coatings, epoxy, galvanizing, painting, etc., to metal products shall be domestically applied.

**Highway Guard Rail**  
**Submittal for Testing and Approval**  
Effective: June 15, 2007

**A. Scope**

Before guard rail may be used for a Department project, the manufacturer shall provide documentation that his/her product meets the requirements of AASHTO M180. The following guidelines are provided to clarify the submittal requirements and expedite the process.

**B. Procedure**

Brand Registration and Guarantee:

By mutual agreement between the fabricator and engineer, acceptance may be based upon a Brand Registration and Guarantee filed with the engineer by the fabricator. For acceptance of a brand, the fabricator shall furnish a Brand Registration and Guarantee meeting the approval of the engineer and 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. Upon approval of a Brand Registration and Guarantee, that brand will be accepted without further certification. 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 re-approved. Samples for test of any material offered for use may be taken at any time deemed desirable by the engineer.

The Brand Registration and Guarantee shall be sent to:

Ed Hughes  
Illinois Department of Transportation  
Bureau of Materials & Physical Research  
126 East Ash Street  
Springfield, IL 62704-4766

The manufacturer will be notified when the documentation review is complete. For questions regarding the testing and approval process, contact Ed Hughes at 217-782-4689.

**C. Recertification**

Annual brand registration and guarantee is required. During the last quarter of the calendar year, a re-approval letter will be sent to the manufacturer. The re-approval paperwork is due by mid January of the following year. The re-approval process assures the manufacturer that his/her product will remain on the approved list for a period of one calendar year.

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**Instructions for Acknowledgement by Company:**

The owner, partner, or corporate officer shall complete the following and return a signed and dated copy with the product submittal or recertification.

\_\_\_\_\_ desires to obtain approval of materials to be  
(Insert name of company)  
supplied to Department of Transportation contractors as more fully described herein. I  
and \_\_\_\_\_ understand that the Department of Transportation  
(Insert name of company)  
reserves the right in its contracts to approve materials at the source of supply as  
provided in Article 106.01 of the Standard Specifications for Road and Bridge  
Construction. I and \_\_\_\_\_ further understand that approval of  
(Insert name of company)  
company supplied material pursuant to this request does not constitute a contract to  
supply material to the State of Illinois or any of its contractors, and that the Department  
of Transportation does not assure or guarantee that any materials approved hereunder  
will be supplied to the State or any of its contractors. In consideration of approval, I and  
\_\_\_\_\_ agree to the terms, conditions and performance  
(Insert name of company)  
standards of the Standard Specifications for Road and Bridge Construction.

Type of Company:    Individual     Partnership     Corporation

Company Name \_\_\_\_\_

Printed Name \_\_\_\_\_

Signature \_\_\_\_\_

Title \_\_\_\_\_

Business Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Date of Signature \_\_\_\_\_