

Illinois Department of Transportation
Bureau of Materials

Qualified Product List
CORRUGATED SHEET STEEL BEAMS FOR HIGHWAY GUARDRAIL

[May 26, 2023](#)

The list supersedes the [October 07, 2022](#) list.

Standard Specifications for Road and Bridge Construction Section 1006 (current year issued)

The field must check the zinc coating per the requirements of Section 1006.25 by means of a magnetic thickness page

Section 1006: Metals

1006.25 Steel Plate Beam Guardrail

795-01 Gregory Highway Products Inc., 4100 13th Street SW, Canton, OH 44706			
IDOT Material Code	Product Description	Article #	NTPEP Compliant
55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	
55104	End Sections, Terminal Steel Beam, Galv.	1006.25	
55105	Flared End Sections, Steel Plate Beam, Galv.	1006.25	Yes
55106	Accessories, Steel Plate Beam Guardrail, Galv.	1006.25	
5628-01 Highway Safety Corporation, P.O. Box 358, Glastonbury, CT 06033			
IDOT Material Code	Product Description	Article #	NTPEP Compliant
55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	
55106	Accessories, Steel Plate Beam Guardrail, Galv.	1006.25	Yes
7301-01 Valtir, LLC., 2548 N.E. 28th Street, Fort Worth, TX 76111			
IDOT Material Code	Product Description	Article #	NTPEP Compliant
55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	
55105	Flared End Sections, Steel Plate Beam, Galv.	1006.25	
55106	Accessories, Steel Plate Beam Guardrail, Galv.	1006.25	Yes
55107	End Sections, Return, Steel Plate Beam Galv.	1006.25	
7301-02 Valtir, LLC., 426 E. O'Connor Avenue, Lima, OH 45801			
IDOT Material Code	Product Description	Article #	NTPEP Compliant
55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	
55104	End Sections, Terminal Steel Beam, Galv.	1006.25	
55105	Flared End Sections, Steel Plate Beam, Galv.	1006.25	
55106	Accessories, Steel Plate Beam Guardrail, Galv.	1006.25	Yes
55107	End Sections, Return, Steel Plate Beam Galv.	1006.25	
55100	Guardrail, Steel Plate Beam, Rust Resistant, Type IV	1006.25	
7301-07 Valtir, LLC., 600 Prosperity Road, Orangeburg, SC 29115			
IDOT Material Code	Product Description	Article #	NTPEP Compliant

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Section 1006: Metals

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55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	Yes
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5334-01 [R. G. Steel Corporation](#), P.O. Box 356, Pulaski, PA 16143

IDOT Material Code	Product Description	Article #	NTPEP Compliant
55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	
55106	Accessories, Steel Plate Beam Guardrail, Galv.	1006.25	Yes

6620-01 [SPIG Industry, LLC.](#), 14675 Industrial Park Road, Bristol, VA 24202

IDOT Material Code	Product Description	Article #	NTPEP Compliant
55102	Guardrail, Steel Plate Beam, Galv. Type II	1006.25	
55106	Accessories, Steel Plate Beam Guardrail, Galv.	1006.25	Yes
55104	End Sections, Terminal Steel Beam, Galv.	1006.25	

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Submittal for Testing and Approval

A. Scope

Before guardrail can be used in an Illinois Department of Transportation (IDOT) or local agency contract, the guardrail producer shall be compliant with the AASHTO Product Evaluation & Audit Solutions for Guardrail/Guiderail and be on IDOT's Qualified Product List for Corrugated Sheet Steel Beams for Highway Guardrail. The following guidelines are provided to clarify the requirements and expedite the acceptance process.

B. Procedure

A guardrail producer will be placed on the IDOT Qualified Product List (QPL) after they achieve AASHTO Product Evaluation & Audit Solutions compliant status.

Brand Registration and Guarantee:

To gain AASHTO Product Evaluation & Audit Solutions compliance, it requires the guardrail producer to submit a Brand Registration and Guarantee. IDOT recognizes and accepts the Brand Registration and Guarantee on file with AASHTO. The guardrail producer is not required to submit a copy to IDOT. With the Brand Registration and Guarantee, IDOT waives the requirement for material certification on the guardrail beams. However, the producer must provide documentation to the Resident Engineer showing the guardrail beams are from a source on the Qualified Product List. Note, this waiver of material certification only applies to the guardrail beams. The waiver does not apply to the other components of the guardrail system.

Material Certification

The guardrail producer/supplier shall provide manufacturer's material certification for all other components of the guardrail system. This includes posts, blockouts, fasteners, cable, etc.

The Method of Acceptance for guardrail is the IDOT Qualified Product List and material certification for the component materials of the guardrail system. Guardrail products shall meet the domestic steel requirements of Article 106.01 of the *Standard Specifications for Road and Bridge Construction*.

C. Recertification

To maintain IDOT Qualified Product status, the guardrail producer shall comply with the re-qualification requirements of AASHTO.

D. Removal from the Qualified Product List

A guardrail producer may be removed from the Qualified Product List for the following reasons:

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Section 1006: Metals

1006.25 Steel Plate Beam Guardrail

1. [The guardrail producer loses AASHTO Product Evaluation & Audit Solutions compliant status](#)
2. [Evidence is found that the guardrail beams do not meet the requirements of AASHTO M 180](#)
3. [Evidence is found that the guardrail beams or supplied component\(s\) do not meet the domestic steel requirements of Article 106.01 or Section 630 of the *Standard Specifications for Road and Bridge Construction*](#)
4. [Evidence is found that the guardrail producer willfully misrepresented their guardrail beams or supplied component\(s\)](#)

E. Return to the Qualified Product List after Removal

[A guardrail producer may be returned to the Qualified Product List:](#)

1. [When the guardrail producer regains AASHTO Product Evaluation & Audit Solutions compliant status](#)
2. [At IDOT's discretion](#)