
Test Procedure for**SAMPLING STEEL FOR STRUCTURES**

TxDOT Designation: Tex-740-I

Effective Date: March 2008

1. SCOPE

- 1.1 This test method outlines the procedure for sampling structural steel plate over 0.5 in. in thickness requiring Charpy V-notch testing.
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2. DEFINITIONS

- 2.1 Define structural steel for structures as ASTM A 36, A 572, A 588, A 709, and A 992 material for main structures, or as A36M50.
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3. SAMPLING INFORMATION

- 3.1 An authorized Department representative must select samples from material designated for Department use. Perform sampling at the discretion of the Engineer when the quality of the material is questionable.
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4. PROCEDURES

- 4.1 Take samples at the fabrication shop from random heats selected from each producing mill for each ASTM designation, grade, and Charpy requirement for that material.
- 4.2 Samples should be the full thickness of material as rolled. Sample quantity should consist of two 3 × 18-in. specimens and one 3 × 5-in. specimen for each sample.
- 4.3 The direction of rolling will be along the length of samples, not across.
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5. TAGGING/LABELING, DOCUMENTING, AND SHIPPING

- 5.1 Follow the procedures detailed in Tex-701-I.
- 5.2 Tag or mark each sample in a non-destructive manner with the name of the fabrication shop.
- 5.3 Include the name of the producing mill, heat number(s), ASTM designation, size, thickness, and Charpy requirement on [Form 202](#).
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5.4 Wrap each individual sample carefully.

5.5 Wrap the bundle to prevent damage during transit.

6. DOCUMENTATION

6.1 Provide an original signed and notarized [Form 1818](#) (D-9-USA-1), “Material Statement,” and a mill test report and certifications with each sample. (Reference the Department’s [Material Inspection Guide](#), “Buy America Documentation Program” Section.)

7. ARCHIVED VERSIONS

7.1 Archived versions are available.