

Tex-709-I, Sampling Reinforcing Steel

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Section 1

Overview

Effective dates: August 1999–February 2008.

This method outlines the procedure for sampling smooth and deformed reinforcing steel bars, cold drawn steel wire, and welded wire fabric.

Units of Measurement

The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

Section 2
Sampling Information

An authorized representative of TxDOT shall select samples from reinforcing steel furnished by producing mills that are approved by CSTM. Sampling shall be performed, at the discretion of the engineer, when the quality of material is questionable.

Section 3 Sampling Procedures

Reinforcing Steel Bars

Sample Reinforcing Steel Bars by lot. A lot consists of all material offered for delivery at the same time of the same nominal size, grade of steel, type of steel, and producing mill. Take one sample per lot per 9000 kg (10 tons), or fraction thereof, of material.

A sample consists of two 760 mm (30 in.) pieces taken from the same bar.

Cold Drawn Steel Wire

Sample Cold Drawn Steel Wire by lot. A lot consists of all material offered for delivery at the same time of the same nominal size, type of steel, and producing mill. Take one sample per lot per 9000 kg (10 tons), or fraction thereof, of material.

A sample consists of two 760 mm (30 in.) pieces taken from the same length or coil of wire.

Welded Wire Fabric

Sample Welded Wire Fabric by lot. A lot consists of all material of the same size from the same producing mill. Take one sample per lot per 7000 m² (75,000 ft²), or fraction thereof, of material. A sample consists of a piece 0.6 m (2 ft.) by the entire width of the sheet or roll. The sample may be cut into convenient sizes for shipment, but not less than 0.6 m x 0.6 m (2 ft. x 2 ft.) in size. The cut pieces shall be match-marked to indicate where the cuts were made.

Section 4

Documentation

A mill test report shall accompany each sample (reference the 'Buy America Documentation Program' section of the CST/M&P *'Material Inspection Guide'*).

Section 5

Tagging/Labeling, Documenting, and Shipping

Follow the 'General Requirements' as detailed in "Tagging/Labeling, Documenting, and Shipping General Requirements." In addition:

- ◆ tag or label each sample to indicate the producing mill, specification, size, and grade
- ◆ securely bundle the samples
- ◆ wrap the bundle to prevent damage during transit.