Tex-710-I, Sampling Pre-tensioning and Post-tensioning Steel

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Section 1

Overview

Effective dates: August 1999–February 2008.

This method outlines the procedure for sampling pre-tensioning and post-tensioning steel.

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 perform sampling.

Section 3
Procedures

Uncoated Stress-Relieved Steel Wire

Take a representative sample 1.5 m (5 ft.) in length for each wire size and heat, with a sample being required for each 9000 kg (10 tons) or fraction thereof.

Prestressing Bars

Take a representative sample 1.5 m (5 ft.) in length for each bar size and heat.

Uncoated Stress-Relieved Steel Seven-Wire Strand

Take two representative samples 1.5 m (5 ft.) in length each from each reel.

Low-Relaxation Steel Seven-Wire Strand

Take two representative samples 1.5 m (5 ft.) in length from each reel.

Section 4

Documentation

Stress-Relieved Steel Wire and Prestressing Bar shipments shall be accompanied by the *original* signed and notarized Form D-9-USA-1, "Material Statement," with mill tests reports and certifications attached (reference 'Buy America Documentation Program' section of the CST/M&P '*Material Inspection Guide*').

Stress-Relieved and Low-Relaxation Seven-Wire Steel Strand shipments shall be accompanied by the *original* signed and notarized Form D-9-PS-1, "Domestic Certification" (reference '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 heat number, coil or reel number, and size
- mail to the Concrete Branch of CST/M&P
- securely bundle the samples
- wrap bundles to prevent damage during transit.