

Tex-706-I, Sampling Reinforced Concrete Pipe Materials

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Section 1

Overview

Effective Dates: August 1999–June 2012.

This method outlines the procedure for sampling reinforced concrete pipe materials.

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.

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Section 2
Sampling Information

An authorized representative of TxDOT shall select samples.

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Section 3 Procedures

Sample cement according to Test Method "Tex-300-D, Sampling Hydraulic Cement." Sample cement at any time during production when the quality of the material becomes questionable, or when the source is not a TxDOT certified cement mill or terminal.

Sample fly ash according to Test Method "Tex-733-I, Sampling Fly Ash," when the quality of the material becomes questionable.

Sample aggregates according to Test Method "Tex-400-A, Sampling Stone, Gravel, Sand and Mineral Aggregates," when the quality of the material becomes questionable, or when the source is not on the TxDOT aggregate quality monitoring program for use in concrete structures.

Sample reinforcing steel according to Test Method "Tex-709-I, Sampling Reinforcing Steel," when the quality or identity of material becomes questionable, or when the source is not a TxDOT approved reinforcing steel mill. Sample welded splices at any time by taking a minimum of three pieces having a length of at least 150 mm (6 in.) on each end of the weld area. For lap welded and butt welded splice samples in welded wire fabric, the longitudinal wires may be cut off about 13 mm (0.5 in.) from the spliced circumference wire.

Take absorption samples that are a minimum of 100 g (3.5 oz.) in weight from the wall of each size and class pipe normally produced for TxDOT projects, at least once every 12 months.

- ◆ The sample is normally taken from a section which has been tested to D-load ultimate strength, but may be taken from another section of pipe if circumstances warrant.
- ◆ The sample may be of any shape but must be of the pipe's full wall thickness and shall not be less than 180 mm^2 (7 in^2) nor more than 1000 mm^2 (40 in^2) in size.