

308-R-708 ASPHALT EMULSION STABILIZED FULL DEPTH RECLAMATION, FDR

(Adopted 12-19-19)

The Standard Specifications are revised as follows:

SECTION 308, BEGIN LINE 24, DELETE AND INSERT AS FOLLOWS:

308.03 Quality Control

A quality control plan, QCP, shall be submitted to the Engineer a minimum of five calendar days prior to the JITT. The QCP shall include the proposed FDR mix design; a start to finish process description including discussion on corrective action measures; a list of proposed equipment; a list of proposed QC tests and testing frequencies; the curing methods applied to the asphalt emulsion stabilized RBC and the stabilization process applied to the RBC and subgrade after a failed proofroll. All QC test results *and responses to test results* shall be maintained during the duration of the contract and made available to the Engineer upon request.

The following table provides the type and minimum frequency for tests.

QC Testing	
Test	Frequency ^{1,2}
Depth of Pulverization	1 per 500 ft
Pulverized Material Gradation	1 per 0.5 day of production
In-place Moisture of Pulverized Material	1 per 0.5 day of production
Asphalt Emulsion Content	1 per 500 ft
Maximum Density and Moisture Content of Injected Material	1 per 0.5 day of production
Compacted In-Place Field Density ³	1 per 1,000 ft
Field Moisture Content for Curing	1 per each day of production
<i>Proofrolling</i>	<i>proofroll the entire RBC</i>

Notes:

1. The Contractor shall perform all QC tests within the first 500 ft after startup and after any change in the mix design.
2. Testing frequency is based upon linear feet of FDR laydown.
3. The density probe shall be no more than 2.0 in. above the bottom of the FDR treatment.

SECTION 308, BEGIN LINE 319, DELETE AND INSERT AS FOLLOWS:

308.15 Proofrolling

The asphalt emulsion stabilized RBC shall be proofrolled in accordance with 203.26 using a tandem or tri-axle dump truck loaded to the legal limit ~~and operated between 2 to 4 mph over the RBC~~. The Engineer will determine the *corrective remediation* limits for any area that has deflection or rutting greater than 1/2 in.

SECTION 308, BEGIN LINE 329, DELETE AND INSERT AS FOLLOWS:

In locations of failing subgrade the RBC shall be removed and subgrade treatment Type IC shall be placed in accordance with 207. HMA patching, type B shall be placed in accordance with 304 *in place of the RBC*.

308.16 Milling

The entire surface of the asphalt emulsion stabilized RBC shall be scarified in accordance with 306.04 ~~to the specified cross slope~~ in preparation for the overlay, *except liquidated damages will not apply*. Construction engineering in accordance with 105.08(b) shall be provided.
