

SECTION 303 IN-PLACE CEMENT STABILIZED BASE COURSE

MATERIAL	REF.	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
	TESTED BY		METHOD		CONTAINER	DISTR.				
FOR DETAILS ON HYDRAULIC CEMENT AND WATER, REFER TO SECTION 301 OF THIS MANUAL. FOR DETAILS ON ASPHALTIC CURING MEMBRANE, REFER TO SECTION 506 OF THIS MANUAL. FOR DETAILS ON ASPHALTIC CONCRETE OR PORTLAND CEMENT CONCRETE, REFER TO SECTIONS 501 AND 901 OF THIS MANUAL, AS APPLICABLE.										
MATERIAL FOR BASE PRIOR TO SPREADING CEMENT (Existing or Furnished Soils/Soil-Aggregate)	Contractor Furnished Soil	303.07 Contractor	Quality Control	Contractor S 101 or S 401	----	----	----	----	Must test sufficient to ensure material will mets specification requirements before placing on roadway. Check M.C. % on all materials before spreading cement.	
		303.04 Dist. Lab	Accept.	Proj. Engr. S 101 or S 401	1/1000 yd³	1 full sample sack	-----	----	4 days	Contractor furnished material will be approved before incorporation into existing material. Furnished material not meeting the requirement of specification Subsection 301.02 (a) will not be incorporated in the base.
	Density (93%)	303.04 303.07 Contractor	Quality Control	Contractor TR 401	*	----	----	----	----	*Shall be tested frequently enough to ensure specifications are met. Minimum density is required on roadway prior to mixture with cement. All blending of soils materials will be accomplished before testing.
		303.04 Proj. Engr.	Accept.	Proj. Engr. TR 401	1/half day	----	----	----	30 min.	----
	In-Place Material on Roadway	303.04 303.05 Dist. Lab	Design*	Proj. Engr. S 101 or S 401	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/shoulder	6 full sample sacks	----	----	14 days	*For moisture-density relationships
		303.04 303.05 Dist. Lab	Accept.	Proj. Engr. S 101 or S 401	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	1 full sample sack	----	200 lin ft	5 days	-----
	Pulverization	303.04 303.07 Contractor	Quality Control	Contractor TR 401	*	----	----	----	----	*Shall be tested frequently enough to ensure specifications are met.
		303.04 Proj. Engr.	Accept.	Proj. Engr. TR 431	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	----	----	----	½ hr.	Shall be obtained after blending of any contractor furnished material. Pulverization shall be approved prior to spreading cement.

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		TESTED BY		METHOD		CONTAINER	DISTR.			
MIXTURE WITH CEMENT ON ROADWAY	Cement Spread Rate	303.07 Contractor	Quality Control	Contractor* TR 436	Each transport	**	----	----	----	*The contractor shall determine the length of spread prior to mixing. **Use an approved sampling device.
		303.11 Proj. Engr.	Accept.	Proj. Engr.* TR 436	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/shoulder	**	----	----	½ hr.	*The Proj. Engr. will verify the length of spread prior to mixing. **Use an approved sampling device.
	Cross Slope & Grade	303.06 Contractor	Quality Control	Contractor	*	----	----	----	----	*Shall test sufficient to ensure specifications are met. Use an approved 10-ft metal static straightedge.
		303.07 Contractor	Verif.	Proj. Engr.	*	----	----	-----	1/4 hr.	
	Density	303.07 Contractor	Quality Control	Contractor TR 401	*	----	----	----	----	*Shall test sufficient to ensure specifications are met.
		303.11 Proj. Engr.	Accept.	Proj. Engr. TR 401	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	----	----	----	½ hr.	----
		303.11 Dist. Lab	I A	Dist. Lab TR 401	SEE INDEPENDENT ASSURANCE PROGRAM S 701.					
	Moisture Content	303.05 Contractor	Quality Control	Contractor S 101 or S 401	*	----	----	----	----	*Shall test sufficient to ensure specifications are met. (DOTD TR 403)
		303.07 Contractor	Accept.	Proj. Engr. S 101 or S 401	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	1 gal Friction top can*	----	----	1 hr.	* TR 403 (May be obtained by M.C. % determine during application of TR 415 B, if available from in-place moisture at the time of compaction.)

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		TESTED BY		METHOD		CONTAINER	DISTR.			
MIXTURE WITH CEMENT ON ROADWAY	Thickness & Width	303.06 303.07 Contractor	Quality Control	Contractor	*	----	----	----	----	*Shall be measured sufficiently to ensure specifications are met.
		303.11(b) 303.11(c) TR 602 Proj. Engr.	Verif.	Proj. Engr. TR 602	1/half day	----	----	----	1/4 hr.	Proj. Engr. shall notify Dist. Lab when section is complete.
		303.11(c) Dist. Lab	Accept.	Dist. Lab TR 602	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder*	----	----	300 lin ft per location	3 days	*See DOTD TR 602. For small quantity, Proj. Engr. documents in field book.