

SECTION 304 LIME TREATMENT

MATERIAL	REF.	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS		
	TESTED BY		METHOD		CONTAINER	DISTR.					
CURING MEMBRANE	SEE SECTION 506 OF THIS MANUAL APPLIES TO TYPE B ONLY.										
LIME (Hydrated and Quicklime)	304.02 1018.03 Mat. Lab	Prelim. Source Approval	Mfr. S 102	1/month	----	----	----	----	----		
	304.02 1018.03 Mat. Lab	Accept.	----	1/shipment	----	CD 1 & 7	----	----	(QPL 34)		
	304.02 1018.03 Mat. Lab	Verif.	Proj. Engr. S 102	1/300 tons/ source*	1 gal Friction top can	----	----	21 days	(QPL 34) *Not required if sampled under another item.		
MIXTURE ON ROADWAY	Density- (Type B)	304.08 Contractor	Quality Control	Contractor TR 401	*	----	----	----	*Shall check sufficient to ensure specifications are met.		
		304.07 Proj. Engr.	Accept.	Proj. Engr. TR 401	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	----	----	----	30 min.		
	304.07 Dist. Lab	I A	Dist. Lab TR 401	SEE INDEPENDENT ASSURANCE PROGRAM S 701.							
	Density- (Type C & D)	304.07 Proj. Engr.	Accept.	Proj. Engr.	----	----	----	----	----	Compact to the satisfaction of the Engineer.	
	Density- (Type E)	304.07 Proj. Engr.	Accept.	Proj. Engr.	SEE SECTION 203 OF THIS MANUAL						
	Lime Spread Rate	304.08 Contractor	Quality Control	Contractor* TR 436	Each transport	**	----	----	30 min.	*The contractor shall determine the length of spread. **Use an approved sampling device.	
		304.05 Proj. Engr.	Accept.	Proj. Engr.* TR 436	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	**	----	----	30 min.	*The Proj. Engr. shall verify the length of spread. **Use an approved sampling device.	

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SECTION 304 LIME TREATMENT (Cont'd)

MATERIAL	REF.	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
			METHOD		CONTAINER	DISTR.				
MIXTURE ON ROADWAY (Cont'd)	Pulverization (Type B & C)	304.08 Contractor	Quality Control	Contractor S 101	*	----	----	----	*Shall check sufficient to ensure specifications are met.	
		304.06 Proj. Engr.	Accept.	Proj. Engr. S 101	1/1000 lin ft/ 2-lane rdwy or 1/2000 lin ft/ shoulder	1 gal Friction top can	----	½ hr.	----	
	Pulverization (Type D & E)	304.06 Proj. Engr.	Accept.	Proj. Engr	----	*	----	----	*Satisfaction of Engineer	
	Thickness & Width (Type B)	304.08 Contractor	Quality Control	Contractor	*	----	----	----	*Shall be check sufficient to ensure specifications are met.	
		304.11 Proj. Engr.	Verif.	Proj. Engr. TR 602	1/half day	----	----	1/4 hr	Proj. Engr. to notify Dist. Lab when section is complete.	
		304.11 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.	
	Thickness & Width (Type C & D)	304.11 Proj. Engr.	Accept.	Proj. Engr. TR 602*	*	----	----	----	*Satisfaction of the Project Engr. Documents in field book.	
	Thickness & Width (Type E)	304.11 Proj. Engr.	Accept.	FOR LIFT THICKNESS REQUIREMENTS SEE SECTION 203 OF THIS MANUAL.						
	SOIL OR SOIL-AGGREGATE	% Lime*	304.04 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	----	10 days	*Not required when percent lime is specified in plans or project specifications.
WATER		304.02 1018.01 Mat. Lab	Accept.	Proj. Engr. S 303	1/source	1 qt Plastic bottle	-----	21 days	Drinkable water need not be sampled.	

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