

Diary Number: \_\_\_\_\_ Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_ Date: \_\_\_\_\_

**Division III: Aggregate Subbases and Aggregate Bases**  
**Title: Lime Treated Bases**

Lot Number:	
Begin Station:	End Station:
Lane:	Offset:

Attribute Numbers	Yes, No, N/A	Narrative	Reference
0.		All stakeholders have participated in the pre-activity meeting.	Construction Bulletin 02-01
1.		The Contractor is protecting property, fences, poles, signs and facilities that are to remain as noted in the plans or special provisions.	2021 Standard Specifications 107.11 pg. 104-105
2.		Lime will be either a commercial dry hydrated lime or commercial granular or pelletized quicklime, conforming to the requirements of ASTM C977.	2021 Standard Specifications 301-2.01 pg. 224
3.		Curing seal is Emulsified Asphalt Grade SS-1 conforming to the requirements of Section 1005.	2021 Standard Specifications 301-2.03 pg. 224
4.		The roadbed material is scarified to the depth and full width as shown on the plans. The material will contain no rocks larger than 2 ½ inches in any dimension.	2021 Standard Specifications 301-3.01 pg. 225
5.		The scarified depth of the lime, water, and in-place material is mixed and compacted, the treated subgrade is in close conformity to the specified thickness.	2021 Standard Specifications 301-3.01 pg. 225
6.		If a mixing machine is used that requires windrows, the material is windrowed so that it can pass through the mixer.	2021 Standard Specifications 301-3.01 pg. 225
7.		The lime was placed at the required rate that does not vary more than 10 percent as specified in the Special Provisions.	2021 Standard Specifications 301-3.02 pg. 225
8.		The equipment used to distribute the lime is approved by the Engineer, and able to distribute the required amount of lime for the full width of the pass uniformly.	2021 Standard Specifications 301-3.02 pg. 225
9.		The lime for treated base is not placed on frozen subgrade or mixed when the aggregate is frozen.	2021 Standard Specifications 301-3.02 pg. 225
10.		The lime is not mixed or placed while the air temperature is below 40 degrees in the shade or when conditions indicate that the temperature may fall below 40 degrees within 24 hours.	2021 Standard Specifications 301-3.02 pg. 225
11.		No traffic is allowed to pass over the spread lime except for operation equipment (e.g. water truck, mixing equipment).	2021 Standard Specifications 301-3.02 pg. 225
12.		The mixing is accomplished by a traveling pug mill, single or multiple transverse shaft mixer.	2021 Standard Specifications 301-3.03 pg. 225
13.		The equipment used is capable of introducing water or	2021 Standard

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		approved admixtures at a controlled rate and continues until the material is uniformly mixed.	Specifications 301-3.03 pg. 225
14.		The moisture content of the completed mixture is within two percent of the optimum moisture content of the material being treated.	2021 Standard Specifications 301-3.03 pg. 225
15.		The thickness of the compacted layer does not exceed eight inches, the mixture is spread and compacted in two or more approximately equal lifts.	2021 Standard Specifications 301-3.04 pg. 226
16.		The lime treated material is compacted to a density of at least 100 percent of the maximum density.	2021 Standard Specifications 301-3.04 pg. 226
17.		The initial compaction is done with sheep foot or grid rollers.	2021 Standard Specifications 301-3.04 pg. 226
18.		The final compaction is done with steel wheel or pneumatic tired rollers.	2021 Standard Specifications 301-3.04 pg. 226
19.		The surface of the treated subgrade shall not vary by more than 0.04 feet above or below the grade established by the Engineer.	2021 Standard Specifications 301-3.04 pg. 226
20.		The surface of each compacted layer of lime treated material is to be kept moist until covered by a subsequent layer of lime treated material, or until a bituminous curing seal is applied.	2021 Standard Specifications 301-3.05 pg. 226
21.		The bituminous curing seal was uniformly applied at an approximate rate of 0.15 gallons per square yard. The exact rate, determined by the Engineer is specified in subsection 404-3.05 of the specifications.	2021 Standard Specifications 301-3.05 pg. 226
22.		No equipment or traffic is permitted on the treated subgrade for three days after the curing seal is applied.	2021 Standard Specifications 301-3.05 pg. 227
23.		Subsequent subbase, base or pavement course is placed within 10 days after the curing seal is applied.	2021 Standard Specifications 301-3.05 pg. 227
24.		The contractor provided the Engineer with a detailed safety program for the protection of the workers and public. Contractor Safety Plan includes protective equipment for eye, mouth, nose, skin protection and a first aid kit with eyeball wash capabilities.	2021 Standard Specifications 301-3.06 pg. 227
25.		The contractor actively enforces the Safety Plan for the protection of its work force and others in the construction zone.	2021 Standard Specifications 301-3.06 pg. 227
26.		Proper aggregate sampling procedures are being used.	Materials Testing Manual Ariz 105f Materials Quality Assurance, Sampling Guide Schedule, Appendix C
27.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01