

Inspector Quantlist Report 20170720

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division III: Aggregate Subbases and Aggregate Bases Title: Cement Treated Subgrade

Lot Number:
Station:
Lane:
Offset:
Lift:

No	Compliance	Narrative	Reference
0.		All stakeholders have participated in the pre-activity meeting (can be combined with other pre-activity).	Recommended
1.		The Contractor is protecting property, fences, poles, signs and facilities that are to remain as noted in the plans or special provisions.	Standard Specifications 107.11
2.		The area is Blue Staked (Arizona 811) prior to beginning work.	Standard Specifications 107.15
3.		The Hydraulic cement used meets the requirements of Subsection 1006-2 (Certificates of Analysis were submitted or reviewed).	Standard Specifications 302-2.02
4.		Curing seal is Emulsified Asphalt Grade SS-1 (conforming to the requirements of Section 1005).	Standard Specifications 302-2.03
5.		The water used is free from injurious amounts of oil, acid, alkali, clay, vegetable matter, silt or other harmful matter.	Standard Specifications 1006-2
6.		The roadbed material to be treated is scarified to the depth and full roadway width shown on the project plans.	Standard Specifications 302-3.01
7.		The material to be treated contains no rocks larger than 2½ inches in any dimension.	Standard Specifications 302-3.01
8.		If a mixing machine is used, the material is windrowed so that it can pass through the mixer.	Standard Specifications 302-3.01
9.		The cement is placed at the required rate and does not vary more than plus or minus 10 percent as specified in the Special Provisions.	Standard Specifications 302-3.01
10.		The equipment used to distribute the cement is approved by the Engineer.	Standard Specifications 302-3.02
11.		The cement treatment 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.	Standard Specifications 302-3.02

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12.		The cement treated base is not placed on frozen subgrade or mixed when the aggregate is frozen.	Standard Specifications 302-3.02
13.		No traffic other than water trucks and mixing equipment were allowed to pass over the spread cement until after completion of the mixing.	Standard Specifications 302-3.02
14.		The mixing is accomplished by a traveling pugmill, or a single or multiple transverse shaft mixer.	Standard Specifications 302-3.03
15.		The equipment used is capable of introducing water or approve admixtures at a controlled rate and continues until the material is uniformly mixed.	Standard Specifications 302-3.03
16.		The in-place material and cement is mixed in a manner that does not create cement balls.	Standard Specifications 302-3.03
17.		The moisture content of the completed mixture is within two percent of the optimum moisture content of the material being treated.	Standard Specifications 302-3.03
18.		The thickness of the compacted layer does not exceed eight inches.	Standard Specifications 302-3.04
19.		The initial compaction is done with sheep foot or grid rollers.	Standard Specifications 302-3.04
20.		The final compaction is done with steel wheel or pneumatic tired rollers.	Standard Specifications 302-3.04
21.		The treated subgrade is finished to within 0.04 feet above or below the established lines, grades and dimensions on the project plans.	Standard Specifications 302-3.04
22.		No more than two hours elapses between the time water is added to the subgrade and cement, and completion of initial compaction prior to trimming.	Standard Specifications 302-3.05
23.		No more than 2 ½ hours elapses between the time water is added to the subgrade and cement, and completion of final compaction after the trimming.	Standard Specifications 302-3.05
24.		The treated surface is kept moist until a bituminous curing seal is applied.	Standard Specifications 302-3.06
25.		The bituminous curing seal was uniformly applied at an approximate rate of 0.15 gallons per square yard.	Standard Specifications 302-3.06
26.		No heavy equipment is permitted on the treated subgrade for three days after the curing seal has been applied.	Standard Specifications 302-3.06
27.		Proper sampling procedures are being used.	Materials Testing Manual Ariz 105f Materials Quality Assurance, Sampling Guide Schedule, Appendix C
28.		Quantlist Minimum Frequency is being followed, once a week.	Construction Bulletin 07-01