

Inspector Quantlist Report 20240318

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division III: SUBGRADE, SUBBASES, AND BASES

Title: **Cement Treated Base**

Lot Number:	Offset:
Station:	Lane:
Lift:	

No	Compliance	Narrative	Reference
0.		All stakeholders have participated in the pre-activity meeting .	Construction Bulletin 02-01
1.		The contractor is protecting both public and private property, ie. 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.		The contractor has submitted a Safety Plan at the preconstruction conference. The Safety Plan will specify the procedures the contractor will implement to satisfy OSHA and any state occupational safety guidelines related to the worker, as well as the public.	2021 Standard Specifications 107.08 (B) pg.100
3.		The Hydraulic cement and water will conform to the requirements of Subsection 1006-2 (Certificates of Analysis were submitted and reviewed)	2021 Standard Specifications 304-2.02 pg. 237
4.		The water used is free from injurious amounts of oil, acid, alkali, clay, vegetable matter, silt or other harmful matter. Potable water obtained from public utility distribution lines will be acceptable.	2021 Standard Specifications 1006-2.02 pg.1152
5.		Aggregate subbases and bases meet the requirements of Subsection 303-2 for Class 2 aggregates unless otherwise specified in the Special Provisions.	2021 Standard Specifications 304-2.01 pg. 236
6.		After final compaction, the cement treated base is covered with a bituminous curing seal, applied uniformly to the surface at an approximate rate of 0.15 gallons per square yard. The curing seal will be applied on the same day that final compaction is performed and as soon after the compaction as is practicable.	2021 Standard Specifications 304-3.06 pg. 240
7.		When the project plans call for 4 or more inches of aggregate base over the cement treated base, the aggregate base may be used as the curing seal in lieu of a bituminous curing seal. The aggregate base is kept moist for 72 hours after placement.	2021 Standard Specifications 304-3.06 pg. 240
8.		The contractor is following an approved mix design specific to the project.	2021 Standard Specifications 304-2.04. pg.237
9.		A change in the source of materials and/or re-proportioning of the existing design, requires the submission of a new design.	2021 Standard Specifications 304-2.04. pg.237

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10.		The contractor actively enforces the approved Safety Plan for the protection of everyone in the construction area.	2021 Standard Specifications 107.08. pg.100
11.		The subgrade, subbase or base is free of loose, extraneous material, and is kept uniformly moist prior to placement of lean concrete base. Soft or "pumping" areas of subgrade will be addressed before placement of the concrete base.	2021 Standard Specifications 304-3.01. pg.237
12.		The mixer has a sufficient number of paddles of a type and arrangement which produces a uniformly mixed product.	2021 Standard Specifications 304-3.02B. pg.238
13.		The cement 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 304-3.02D. pg.239
14.		The material is spread full depth in one pass unless otherwise specified.	2021 Standard Specifications 304-3.02D. pg.239
15.		The cement treated base is not placed on frozen subgrade or mixed when the aggregate is frozen.	2021 Standard Specifications 304-3.02D. pg. 239
16.		The initial compaction begins immediately after spreading.	2021 Standard Specifications 304-3.03 pg. 239
17.		The compacting equipment overlaps the previous adjacent pass by at least 25 percent of its width.	2021 Standard Specifications 304-3.03 pg. 239
18.		Following initial compaction and before final compaction, the treated material is trimmed by a motor grader or planing machine to the lines, grades and cross sections established or shown on the project plans.	2021 Standard Specifications 304-3.03 pg. 239
19.		The compaction achieves at least 100 percent of maximum density. in accordance with the requirements of the applicable test methods of the ADOT Materials Testing Manual, as directed and approved by the Engineer.	2021 Standard Specifications 304-3.03 pg. 239
20.		The finished surface of the cement treated base is uniform and does not deviate at any point more than \pm 0.03 feet from the bottom of a 10-foot straightedge laid in any direction.	2021 Standard Specifications 304-3.03 pg. 240
21.		The surface of the finished cement treated base not varying by more than \pm 0.04 feet above or below the grade established by the Engineer.	2021 Standard Specifications 304-3.03 pg. 240
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.	2021 Standard Specifications 304-3.03 pg 240
23.		No more than 2 ½ hours elapses between the time water is added to the subgrade and cement, and final compaction after trimming.	2021 Standard Specifications 304-3.04 pg. 240
24.		A construction joint is made at the end of each day's work, or when cement treated base operations are delayed or stopped for more than two hours.	2021 Standard Specifications 304-3.05 pg. 240

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25.		The faces of transverse and longitudinal construction joints are moistened prior to placement of the adjacent base material.	2021 Standard Specifications 304-3.05 pg. 240
26.		The bituminous curing seal was uniformly applied at an approximate rate of 0.15 gallons per square yard or as specified.	2021 Standard Specifications 304-3.06 pg. 240
27.		No traffic is permitted on the treated subgrade for 72 hours. Only light construction traffic is allowed from the fourth through the seventh day after the curing seal has been placed.	2021 Standard Specifications 304-3.06 pg. 240
28.		Subsequent subbase, base, or pavement course will be placed within 10 days after the curing seal is applied.	2021 Standard Specifications 304-3.06 pg. 240
29.		Samples for strength tests will be taken at random locations for each lot of production. 5 samples per lot.	2021 Standard Specifications 304-3.07 pg. 241
30.		Proper sampling procedures are being used.	Materials Testing Manual Ariz 105f Materials Quality Assurance, Sampling Guide Schedule, Appendix C
31.		Quantlist Minimum Frequency is being followed, once a week .	Construction Bulletin 07-01