

Inspector Quantlist Report 20240415

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division III: Aggregate Subbases and Aggregate Bases

Title: Lean Concrete Base

Lot Number:	Lane:
Pass Number:	Offset:
Station:	

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.		The hydraulic cement used meets the requirements of Subsection 1006-2 (Certificates of Analysis are submitted or reviewed.)	2021 Standard Specifications 305-2.01 pg. 242
3.		The curing compound is a Type 2, Class A liquid membrane-forming compound conforming to the requirements of Subsection 1006-6.01(C).	2021 Standard Specifications 305-2.04 pg. 242
4.		The subgrade, subbase or base is free of loose, extraneous material, and kept uniformly moist prior to placement of lean concrete base and maintained in an acceptable condition throughout the placement operation.	2021 Standard Specifications 305-3.01 pg. 243
5.		Any soft or yielding area of the subgrade will be corrected prior to placement of lean concrete base.	2021 Standard Specifications 305-3.01 pg. 243
6.		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
7.		The Lean concrete base is constructed with either slip-form equipment or with forms that conform to the requirements of Subsections 401-3.03(A), 401-3.03(B), and 401-3.03(C).	2021 Standard Specifications 305-3.02 pg. 243
8.		The Contractor has submitted a mix design to the Engineer for review prior to incorporating the proposed mix into the work.	2021 Standard Specifications 305-3.03 A pg. 243
9.		The Lean concrete base is placed and finished in accordance with requirements of Subsection 401-3.04 (except that Subsection 401-3.04(F), Surface Texturing, is not applicable).	2021 Standard Specifications 305-3.08 pg. 245
10.		The Lean concrete base was placed full width in a single pass or in two or more passes (each pass is a minimum of 12 feet wide).	2021 Standard Specifications 305-3.08 pg. 245
11.		The lean concrete base is finished to a smooth floated surface and does not vary by more than 1/8 inch in any direction when measured with a 10-foot straightedge, nor vary by more than 1/4 inch across any construction joint.	2021 Standard Specifications 305-3.08 pg. 245

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12.		The Liquid membrane-forming compound is applied to the surface and sides at a rate of not less than one gallon per 100 square feet.	2021 Standard Specifications 305-3.09 pg. 245
13.		The compressive strength and thickness of lean concrete base is evaluated for each lot of production (a lot consists of 4,000 square yards, or fraction thereof, of continuously placed lean concrete base, (on a daily basis).	2021 Standard Specifications 305-3.10 pg. 245
14.		The minimum average compressive strength of lean concrete base will be 500 pounds per square inch for each lot at seven days. Each lot is represented by four random samples. A strength test consists of the average strength of two cylinders prepared with material taken from a single load of lean concrete base.	2021 Standard Specifications 305-3.11 pg. 246
15.		No traffic or equipment will be permitted on lean concrete base until the material has attained the specified seven-day compressive strength.	2021 Standard Specifications 305-3.12 pg. 246
16.		The paver and work bridges are not permitted on the lean concrete base until 72 hours after placement.	2021 Standard Specifications 305-3.12 pg. 246
17.		The Contractor drills four-inch (minimum) diameter cores for thickness, and the lean concrete base meets the plans thickness requirements.	2021 Standard Specifications 305-3.13 pg. 246
18.		Proper aggregate sampling procedures are being used.	Materials Testing Manual Ariz 105f Materials Quality Assurance, Sampling Guide Schedule, Appendix C
19.		At locations where cores have been drilled, the holes are filled with lean concrete base mix before the next course is placed on it.	2021 Standard Specifications 305-3.13 pg. 247
20.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01