

Inspector Quantlist Report 20201002

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

Division IV: Surface Treatments and Pavements
 Title: Asphaltic Concrete (Asphalt Rubber) 413

Lot Number:
Route Name:
Lane Number:
Lift Number:

No	Compliance	Narrative	Reference
0.		A pre-paving meeting with all key stakeholders was held to review all aspects of the paving operation (can be combined with other pre-activity).	Construction Manual CHAPTER 4: SURFACE TREATMENTS AND PAVEMENTS AC-4
1.		The required inspection and testing standards are available to technicians.	Construction Manual 105.11
2.		Contractor has a nuclear asphalt gauge at the plant site to determine (a minimum of four times per full shift) the asphalt rubber content.	Standard Specifications 413-6.03 (B)
3.		The contractor's technicians performing the testing, including the calibration of the nuclear gauge, shall meet the technician requirements given in the Department's System for the Evaluation of Testing Laboratories.	Standard Specifications 413-6.03 (B)
4.		The temperature of asphaltic concrete or mineral aggregate upon discharge from the dryer shall not exceed 350 degrees F.	Standard Specifications 413-7.03
5.		Surface to be paved is cleaned of objectionable Material.	Standard Specifications 413-7.04 (A)
6.		Surface temperature is at least 65 degrees F before paving.	Standard Specifications 413-7.04 (A)
7.		Ambient temperature before paving is at least 65 degrees F and rising. Placement is stopped when ambient temperature is 70 degrees F or less and falling.	Standard Specifications 413-7.04 (A)
8.		The existing asphaltic concrete surface is milled to the proper trench depth of plus or minus 0.01 feet.	Standard Specifications 202-3.03 (C)
9.		There shall never be an unprotected edge drops of two or more inches.	AASHTO Roadside Design Guide 9.5.2
10.		Cold construction joints are trimmed to a vertical face to the full depth of the lift.	Standard Specifications 413-7.05

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11.		The control system shall be capable of working with the following devices which shall be furnished with the machine: Ski - type device at least 30 feet in length, supported throughout its entire length, Short ski, 500 feet of control line and stakes, Joint matcher shoe.	Standard Specifications 413-7.04 (D)
12.		Electronic controls on the paving machine are operating properly.	Standard Specifications 413-7.04 (D)
13.		Longitudinal joints are located within one foot of the centerline between two adjacent lanes and are staggered a minimum of one foot from the longitudinal joint of the underlying course.	Standard Specifications 413-7.05
14.		Joints are formed by a slope shoe or hot lapped and compacted while the mixture is still hot.	Standard Specifications 413-7.05
15.		The temperature of the asphaltic concrete just prior to compaction shall be at least 275 degrees F.	Standard Specifications 413-7.06 (A)
16.		There is no aggregate segregation.	Standard Specifications 413-7.04 (A)
17.		Asphalt concrete temperatures behind the laydown machine are documented in the daily diary.	Construction Manual 105.11
18.		For courses greater than one inch, a minimum of one static steel-wheel compactor and two vibratory steel-wheel compactors each weighing a minimum of 8.0 tons shall be provided.	Standard Specifications 413-7.06 (B)
19.		For courses of one inch or less, a minimum of three static steel-wheel compactors each weighing a minimum of 8.0 tons shall be provided.	Standard Specifications 413-7.06 (B)
20.		For courses greater than one inch, sufficient vibratory steel-wheel compactors shall be provided so that the drums of the compactors when staggered will cover the entire width of the paving machine.	Standard Specifications 413-7.06 (B)
21.		For courses of one inch or less, sufficient compactors must be provided so that the drums of the compactors when staggered will cover the entire width of the paving machine on the initial forward pass while a static compactor remains to complete final rolling. If the asphaltic concrete production rate exceeds 250 tons per hour, an additional static steel-wheel compactor shall be provided.	Standard Specifications 413-7.06 (B)
22.		Initial breakdown rollers shall be maintained no more than 300 feet behind the paving machine.	Standard Specifications 413-7.06 (C)
23.		For courses one inch or less, static steel wheel compactors, or vibratory compactors in the static mode, shall be used for initial breakdown. For courses greater than one inch, vibratory compactors shall be used for initial breakdown.	Standard Specifications 413-7.06 (C)
24.		The roller(s) used for final compaction shall follow as closely behind the initial breakdown rollers as possible.	Standard Specifications 413-7.06 (C)
25.		As many passes as possible are made with the rollers before the temperature of the rubberized asphaltic concrete falls below 220 degrees F.	Standard Specifications 413-7.06 (C)
26.		All edges are compacted by methods approved by the Engineer while the mixture is still hot.	Standard Specifications 413-7.06 (C)
27.		Rolling pattern and number of coverages are documented in the daily diary.	Construction Manual 105.11 Standard Specifications 413-7.06 (C)
28.		The wheels of compactors shall be wetted with water, or if necessary soapy water, or a product approved by the Engineer to prevent the asphaltic concrete from sticking to the steel wheels during rolling.	Standard Specifications 413-7.06 (A)
29.		For final rolling, vibratory rollers shall be used in the mode required by the Engineer. However for courses of one inch or less, vibratory compactors shall not be used in the vibratory mode.	Standard Specifications 413-7.06 (B)

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30.		The surface of the final lift is within 1/8 inch when tested with a 10' straightedge placed in the longitudinal direction (including across transverse joints), and when it is placed in the transverse direction across longitudinal joints.	Standard Specifications 413-7.08
31.		The surface of any lift other than the final lift, is within 1/4 inch when tested with a 10' straightedge placed in the longitudinal direction (including across transverse joints), and when it is placed in the transverse direction across longitudinal joints.	Standard Specifications 413-7.08
32.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01