

Inspector Quantlist Report 20201002

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IV: Surface Treatments and Pavements
 Title: ACFC (407) ACFC-AR (414)

Lot Number:
Route Number:
Mix Type 407:
Mix Type 414:
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 cement content for 407 mix or the asphalt rubber content for 414 mix.	Standard Specifications 407-6.03 (B) Standard Specifications 414-6.03 (B)
3.		The contractor's technicians performing the testing, including the calibration of the nuclear gauge, shall meet the technician requirements given in ADOT Materials Practice and Procedure Directive No. 19, "ADOT System for the Evaluation of Testing Laboratories".	Special Provisions 407-6.03 (B) Special Provisions 414-6.03 (B)
4.		For 407, the temperature of asphaltic concrete or mineral aggregate upon discharge from the dryer shall not exceed 275 degrees F (325 degrees F when PG TR+ asphalt cement is used), unless otherwise approved by the Engineer. For 414, the temperature of asphaltic concrete or mineral aggregate upon discharge from the dryer shall not exceed 350 degrees F.	Special Provision 407-7.03 Standard Specifications 414-7.03

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5.		Surface to be paved is cleaned of objectionable Material.	Standard Specifications 407-7.04 (A) Standard Specifications 414-7.04 (A)
6.		Surface temperature is at least 85 degrees F before paving.	Standard Specifications 407-7.04 (A)(1) Standard Specifications 414-7.04 (A)(1)
7.		Ambient temperature before paving is at least 70 degrees F and rising. Placement is stopped when ambient temperature is 75 degrees F or less and falling. Night time placement may occur during falling temperature if the low temperature is 70 degrees F or higher.	Special Provisions 407-7.04 (A)(1) Special Provisions 414-7.04 (A)(1)
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.		Paving is within the dates specified in the Special Provisions.	Special Provisions 407-7.04 (A)(1) Special Provisions 414-7.04 (A)(1)
11.		The paving machine has a ski-type device at least 30 feet in length and supported throughout its entire length, or it has a short ski approved by the Engineer.	Standard Specifications 407-7.04 (D) Standard Specifications 414-7.04 (D)
12.		Electronic controls on the paving machine are operating properly.	Standard Specifications 407-7.04 (D) Standard Specifications 414-7.04 (D)
13.		If the asphaltic concrete is dumped upon the surface being paved and subsequently loaded into the paving machine, it shall not be dumped at a distance greater than 150 feet in front of the paving machine	Standard Specifications 407-7.04 (B) Standard Specifications 414-7.04 (B)
14.		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 407-7.05 Standard Specifications 414-7.05
15.		For 407, the temperature of the asphaltic concrete just prior to compaction shall be at least 200 degrees F (250 degrees F when PG TR+ asphalt cement is used). For 414, the temperature of asphaltic concrete just prior to compaction shall be at least 275 degrees F.	Special Provisions 407-7.06 (A) Standard Specifications 414-7.06 (A)
16.		There is no aggregate segregation.	Standard Specifications 407-7.04 (A) Standard Specifications 414-7.04 (A)
17.		Asphalt concrete temperatures behind the laydown machine are documented in the daily diary.	Construction Manual 105.11
18.		There are a minimum of 3 compactors each weighing a minimum of 8.0 tons.	Standard Specifications 407-7.06 (B) Standard Specifications 414-7.06 (B)
19.		A sufficient number of breakdown rollers wide enough to cover the entire width of the ribbon in one forward pass are used.	Standard Specifications 407-7.06 (B) Standard Specifications 414-7.06 (B)

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20.		The distance between the paving machine and the initial rolling shall not exceed 200 feet for 407 and 300 feet for 414 mix.	Standard Specifications 407-7.06 (C) Standard Specifications 414-7.06 (C)
21.		The roller(s) used for final compaction shall follow as closely behind the initial breakdown rollers as possible.	Standard Specifications 407-7.06 (C) Standard Specifications 414-7.06 (C)
22.		The rolling sequence and number of coverages are in compliance with the initial rolling sequence which is 1 coverage and the finish rolling sequence which is 1-2 coverages.	Standard Specifications 407-7.06 (C) Standard Specifications 414-7.06 (C)
23.		Rolling pattern and number of coverages are documented in the daily diary.	Construction Manual 105.11 Standard Specifications 407-7.06 (C) Standard Specifications 414-7.06 (C)
24.		All wheels and tires of compactors shall be wetted with water, or if necessary soapy water, or an approved release agent in order to prevent the sticking of asphaltic concrete. Only release agents evaluated through NTPEP are acceptable for use (AASHTO TP 102). Release agents which degrade, dissolve, or in any way damage the bituminous material shall not be used. Diesel fuel shall not be used as a release agent.	Special Provision 407- 7.04(A) Special Provision 414- 7.04(A)
25.		Compactors are operated in the static mode only, never in vibratory.	Standard Specifications 407-7.06 (B) Standard Specifications 414-7.06 (B)
26.		Surface is within 1/8 inch when tested with a 10' straightedge placed in the longitudinal direction (including across transverse joints), and when placed in the transverse direction across longitudinal joints.	Standard Specifications 407-7.08 Standard Specifications 414-7.08
27.		Spread lot forms (one half shift of production) shall be signed by the contractor and given to the Engineer at the end of each Shift. The quantity required in each spread lot is calculated using the target spread rate.	Special Provisions 407-6.04 Special Provisions 417-6.04
28.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01