

Diary Number: _____

Inspector Name: _____

TRACS Number: _____

Date: _____

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

Lot Number:	Route Number:
Lane Number:	Lift Number:
Mix Type 407:	Mix Type 414:

Attribute Numbers	Compliance	Narrative	Reference
0.		A pre-paving meeting with all key stakeholders was held to review all aspects of the paving operation.	Construction Manual Chapter 4: Asphaltic Concrete pg. 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.	2021 Standard Specifications 407-6.03 (B) pg. 322 414-6.03 (B) pg. 412
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".	2021 Standard Specifications 407-6.03 (B) pg. 322 414-6.03 (B) pg. 412
4.		For 407, the temperature of asphaltic concrete or mineral aggregate upon discharge from the dryer will 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 will not exceed 350 degrees F.	2021 Standard Specifications 407-7.03 pg. 324 414-7.03 pg. 414
5.		Surface to be paved is cleaned of objectionable material and tacked with bituminous material in accordance with the requirements of Section 404 of the specifications.	2021 Standard Specifications 407-7.04 (A) pg. 324 414-7.04 (A) pg. 414

6.		All other equipment surfaces shall be treated when necessary with a release agent. 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.	2021 Standard Specifications 407-7.04 (A) pg. 325 414-7.04 (A) pg. 414
7.		Asphaltic concrete shall be placed when the temperature of the surface on which the asphaltic concrete is to be placed is at least 85 degrees F and ambient temperature before paving is at least 70 degrees F and rising.	2021 Standard Specifications 407-7.04 (A)(1) pg. 325 414-7.04 (A)(1) pg. 415
8.		Placement is stopped when the 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.	2021 Standard Specification 407-7.04 (A)(1) pg. 325 414-7.04 (A)(1) pg. 415
9.		When the existing asphaltic concrete is removed by grinding or chipping to a controlled line and grade, the equipment used will be capable of removing the existing asphaltic concrete within 0.01 feet of the specified removal depth.	2021 Standard Specifications 202-3.03 (C) pg.179
10.		There will never be an unprotected edge drop-off of two or more inches at the end of the day's production.	AASHTO Roadside Design Guide 9.5.2
11.		Paving is within the dates specified in the Special Provisions. Any placement deviating from the beginning and ending dates will be at the sole risk of the contractor.	2021 Standard Specifications 407-7.04 (A)(1) pg. 327 414-7.04 (A)(1) pg. 416
12.		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.	2021 Standard Specifications 407-7.04 (D) pg. 328 414-7.04 (D) pg. 418

13.		Electronic controls on the paving machine are operating properly.	2021 Standard Specifications 407-7.04 (D) pg. 328 414-7.04 (D) pg. 417
14.		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.	2021 Standard Specifications 407-7.04 (B) pg. 329 414-7.04 (B) pg. 416
15.		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.	2021 Standard Specifications 407-7.05 pg. 328 414-7.05 pg. 418
16.		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.	2021 Standard Specifications 414-7.06 (A) pg. 329 407-7.06 (A) pg. 418
17.		The handling of asphaltic concrete will, at all times be such as to minimize segregation. Any segregation will be removed and replaced.	2021 Standard Specifications 407-7.04 (A) pg. 325 414-7.04 (A) pg. 414
18.		Asphalt concrete temperatures are documented in the daily diary.	Construction Manual 105.11
19.		There are a minimum of 3 compactors each weighing a minimum of 8.0 tons.	2021 Standard Specifications 407-7.06 (B) pg. 329 414-7.06 (B) pg. 418
20.		A sufficient number of breakdown rollers wide enough to cover the entire width of the ribbon in one forward pass are used.	2021 Standard Specifications 407-7.06 (B) pg. 329 414-7.06 (B) pg. 419

21.		The distance between the paving machine and the initial rolling shall not exceed 200 feet for 407 and 300 feet for 414 mix.	2021 Standard Specifications 407-7.06 (C) pg. 329 414-7.06 (C) pg. 419
22.		The roller(s) used for final compaction are following as closely behind the initial breakdown rollers as possible.	2021 Standard Specifications 407-7.06 (C) pg. 329 414-7.06 (C) pg. 419
23.		The rolling sequence and number of coverages are in compliance with the table listed on pg 329 for 407 or pg 419 for 414. Initial rolling sequence which is 1 coverage and the finish rolling sequence which is 1-2 coverages.	2021 Standard Specifications 407-7.06 (C) pg. 329 414-7.06 (C) pg. 419
24.		Rolling pattern and number of coverages are documented in the daily diary.	Construction Manual 105.11 2021 Standard Specifications 407-7.06 (C) Pg. 329 414-7.06 (C) Pg. 419
25.		All wheels and tires of compactors are 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. 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.	2021 Standard Specifications 407-7.04 (A) pg. 325 414-7.04 (A) pg. 414
26.		Compacting and smoothing are to be accomplished by the use of static steel wheel compactors. Vibrator compactors may be used in the static mode only.	2021 Standard Specifications 407-7.06 (B) pg. 329 414-7.06 (B) pg. 418
27.		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.	2021 Standard Specifications 407-7.08 (A) pg. 330 414-7.08 (A) pg. 419
28.		Spread lot forms (one half shift of production) are 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.	2021 Standard Specifications 407-6.04 pg. 323 417-6.04 pg. 413

29.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01
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