Inspector Quantlist Report 20240717

Diary Number: _____ Inspector Name: _____

TRACS Number: _____ Date: _____

Division IV: Surface Treatments and Pavements
Title: Asphalt Rubber Blending and Hot Mix Plant (413)

Blending Plant Name:	Hot Mix Plant Name:
Plant Location:	Mix Type: 413

Attribute Numbers	Yes, No, N/A	Narrative	Reference
0.		Has a pre-paving meeting with all key stakeholders been held to rev iew all aspects of the paving operation?	Construction Manual Chapter 4: Asphaltic Concrete pg. AC-4
1.		Has the contractor provided a source of mineral aggregate and notified the Engineer at least 48 hrs prior to crushing?	2021 Standard Specifications 413-3.01 pg. 391 1001-1 pg. 1115
2.		Are Mineral aggregates separated into stockpiles by the contractor?	2021 Standard Specifications 413-3.01 pg. 391
3.		Do the Mineral aggregates conform to the requirements in Table 413-3?	2021 Standard Specifications 413-3.01 pg. 392
4.		Has the contractor sampled and provided at least 300 Lbs. of proportioned mineral aggregate, 3 Gal. of Crumb Rubber Asphalt (CRA), and 1 Gal. of mineral admixture for preparation of the mix design by the Central Materials Lab? (witnessed by the Engineer)	2021 Standard Specifications 413-4 pg. 394
5.		Has a Certificate of Analysis for the mineral admixture been submitted to the Engineer?	2021 Standard Specifications 413-3.02 pg. 393

6.		Has the asphalt rubber or CRA blend design been prepared by an approved laboratory and does the proposed blend conform to the specifications set in tables 1009-1 and 1009-2 (reviewed by the Regional Materials Engineer)?	2021 Standard Specifications 413-3.03 pg. 393 1009-2 pp. 1203-1206
7.		Has the mix design, including the percentage of asphalt rubber or CRA, been provided by the Central Materials Mix Design Lab within 10 working days of receipt of the material?	2021 Standard Specifications 413-3.03 pg. 393
8.		Has the asphalt-rubber been diluted with extender oil, kerosene, or other solvents? Any asphalt-rubber so contaminated has been rejected.	2021 Standard Specifications 413-3.03 pg. 393
9.		Has any kerosene or other solvents used in the cleaning of equipment been purged from the system prior to any subsequent use of that equipment?	2021 Standard Specifications 413-3.03 pg. 393
10.		Has the mix design been approved prior to the start of asphaltic concrete production?	2021 Standard Specifications 413-4 pg. 394
11.		Have any changes made to the approved mix design been approved by the Engineer?	2021 Standard Specifications 413-5 pg. 395
12.		Is the aggregate free of foreign materials, clay balls, and adhering films or other materials that prevent thorough coating of the aggregate with the bituminous material?	2021 Standard Specifications 413-6.02 pg. 396
13.		Is Mineral aggregate for Asphalt Concrete (AR-AC) being sampled and tested per the most current Appendix C Sampling Guide Schedule?	2023 Appendix C Sampling Guide Schedule pg.12
14.		Are mineral aggregate samples being taken prior to and during asphaltic concrete production, to determine the sand equivalent and fractured coarse aggregate particles?	2021 Standard Specifications 413-6.02 pg. 396
15.		Has a sample of the combined mineral aggregate been tested prior to the initial startup of asphaltic concrete production and prior to the startup after any subsequent mix design revisions affecting gradation?	2021 Standard Specifications 413-6.03 pg. 396
16.		Has the mineral aggregate met the gradation requirements for the three-consecutive test limits indicated in the Standard Specifications?	2021 Standard Specifications 413-6.03 pg. 396

17.		Is the contractor maintaining a nuclear asphalt content gauge, calibrated and operated in accordance with Arizona Test Method 421 during the production of asphaltic concrete?	2021 Standard Specifications 413-6.03 pg. 397
18.		Has the contractor determined the asphalt-rubber content by means of the nuclear asphalt content gauge a minimum of four times per full shift under the observation of the Engineer?	2021 Standard Specifications 413-6.03 pg. 397
19.		Are the contractor's technicians performing the testing and calibration of the nuclear gauge, and have met the requirements of the Department's System for the Evaluation of Testing Laboratories?	2021 Standard Specifications 413-6.03 pg. 397
20.		If any single asphalt content test result varies more than ± 0.60, or the average of three consecutive test results varies by an amount greater than ± 0.40, the production of asphaltic concrete has been stopped and the plant and/or the nuclear gauges re-calibrated.	2021 Standard Specifications 413-6.03 pg. 398
21.		Material produced, varying by a single test value greater than ± 0.75 is not being used on the project unless the material is found to be acceptable by retesting.	2021 Standard Specifications 413-6.03 pg. 398
22.		Does the asphaltic concrete hot plant conform to the requirements of Section 403 of the Standard Specifications?	2021 Standard Specifications 413-7.03 pg. 398
23.		Are fine materials collected in the dust collection system returned to the mixture uniformly and metered?	2021 Standard Specifications 413-7.03 pg. 399
24.		When determined by Arizona Test Method 406, the moisture content of the asphaltic concrete does not exceed 0.5 percent.	2021 Standard Specifications 413-7.03 pg. 399
25.		Is the discharged asphaltic concrete or mineral aggregate below 350 degrees F?	2021 Standard Specifications 413-7.03 pg. 399
26.		Quantlist Minimum Frequency is being followed, one per week.	Construction Bulletin 07-01