

# DISTRICT 2 CONSTRUCTION QC/QA PLAN

## QUALITY ASSESSMENT GUIDE

EFFECTIVE DATE: April 17, 1998  
Revised as of 12/21/10

### ASPHALTIC CONCRETE PAVEMENT

#### (ADMINISTRATIVE/SPECIFICATIONS)

#### Number 13

#### CRITERIA USED

1. Are you aware and enforcing that a pre-paving conference is to be held before paving begins? CPAM 3.1.7 (27)
2. Are you aware and enforcing that the DOT technician is verifying all contractor personnel are roadway certified as CTQP Qualified? Spec. 105-8.6.2
3. Are you aware and enforcing that the paving operation is stopped when it is raining, or there is water on the surface after tacking? Spec. 330-9.1.3
4. Has the CEI inspector checked that the paving machine is equipped with automatic screed controls and is being used as necessary? Spec. 320-5.1.2
5. Has the CEI checked that a string line is being used for paver alignment in areas where there is no curb and gutter? Spec. 330-9.1.1
6. Has the CEI verified that a 15 ' manual straightedge and a 15 ' rolling straightedge is on the project at all times during paving operation? Spec. 330-12.4.1
7. Has the CEI verified the contractors cross slope measurements to be within +/- 0.2% for travel lanes and +/- 0.5% for shoulders per designed slope and documented on approved form? Spec. 330-12.3.1  
Spec. 330-12.3.2
8. Has CEI verified surface irregularities on courses prior to the friction course are being straightedged and corrected prior to placement of friction course? Spec. 330-12.4.5.2
9. Has the CEI observed that a minimum of five (5) six inch diameter roadway cores were taken for density within 24 hours of placement for each subplot as directed by the Engineer? Spec. 334-5.3.2  
Spec. 334-5.4.3
10. Has the CEI verified that all core holes are patched within three (3) days of coring? Spec. 334.5.4.3
11. Has the CEI verified the contractors rolling pattern and equipment that was submitted in the Quality Control Plan and approved by the Engineer for non-density areas? Spec. 334-5.1.2

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12. Has the CEI verified that no asphalt mix will be transported from the plant to the roadway unless all weather conditions are suitable for paving? Spec. 330-3.1
13. Has the CEI verified that any load or portion of a load of asphalt mix on the roadway with a temperature outside of the master range as defined in 330-6.3 shall be rejected for use on the roadway? Spec. 330-9.1.2
14. Has CEI verified that layer thickness of Type SP mixtures are being placed were in accordance with 334? Spec. 330-9.2.2
15. Has CEI verified that the Asphalt Roadway – Daily Report of Quality Control (Form 675-030-20) is correctly filled out in accordance with the instructions for the form? Form 675-030-20
16. Are you aware of and enforcing the Contractor ' s Process Control on the roadway, when the layer thickness is greater than or equal to 1 inch or the spread rate is greater than or equal to 105 lb/yd<sup>2</sup> and an approved rolling pattern is used in lieu of density testing, a six inch core at a minimum frequency of 3 cores will be cut and tested and approved by the Engineer? Spec. 330-2.2
17. Has the CEI verified that the rock base was constructed in accordance with an approved Quality Control Plan meeting the requirements of Spec 6-8? Spec. 200.1
18. Is the CEI staff aware of upon completion of the last structural and friction course layers, the contractor will provide a Level 1 or level 2 Qualified Technician (CTQP) to perform straightedging? CPAM 11.2.4
19. Is the CEI staff aware that the contractor will correct all deficiencies in excess of 3/16" in accordance with 330-12.5.1 and retest the corrected areas prior to the placement of the friction course? Spec. 330-12.4.5.4
20. Is the CEI staff aware of and enforcing the requirement that when an intermediate layer of asphalt is to be opened to traffic, the Engineer reserves the right to require the contractor to straightedge the layer with a rolling straightedge and correct all deficiencies in excess of 3/8" within 72 hours of placement on roadways with a design speed of 50 Spec. 330-12.4.5.3

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mph or greater?

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21. Is the CEI staff aware of the requirement to have the contractor notify the Department of the location and time of testing a minimum of 48 hours prior to straightedging? CPAM 11.2.4 Spec 330-12.4.5.1
22. ~~Is the CEI staff aware of the change in final straightedge reporting for the last layer of structural and friction courses?~~ ~~DCE Memo 03/10/00~~ DCE Memo 07/20/00 DELETED
23. Is the CEI staff aware that the contractor's employee will mark the location of the deficiency on the pavement with spray painting or other marking method? The DRC will reflect this inspection. CPAM 11.2.4.(1)(2) CPAM 11.2.4.1(A)(2)
24. Is the CEI staff aware of the normal frequency for taking asphalt mix temperatures each day, for each design mix on the first five loads and once every five loads thereafter, recording the temperature on the front of the asphalt delivery ticket? Spec. 330-6.3
25. Has the Engineer reviewed and approved the street sweeper or other equipment capable of removing excess milled materials and controlling dust in an urban area or other sensitive areas? Spec. 327-3
26. Has the Project Administrator verified that the Asphalt Roadway – Verification Report, Form 675-030-21, was filled out correctly in accordance with the instructions for the form? Form 675-030-21 Instructions
27. Has the Contractor placed RPMs as a supplement to all lane lines and the edge lines of gore areas during construction on all layers of asphalt placed? DS 600 Sht 12 of 13