*INCLUDE SECTION 401 ON ALL PROJECTS WITH 401 ASPHALT PAY ITEMS AND AS NEEDED BASED ON CLAUSE INSTRUCTIONS AND WHEN RECOMMENDED BY THE PAVEMENTS REPORT/MEMO AND/OR BY THE MATERIALS ENGINEER*

*ON PROJECTS WITH 401 ASPHALT PAY ITEMS, PAY ITEM NAMES NEED TO INCLUDE ASPHALT BINDER PERFORMANCE GRADE (CONSULT WITH MATERIALS ENGINEER) AND PAVEMENT ROUGHNESS (CONSULT WITH PAVEMENTS ENGINEER) - SEE OTHER GUIDANCE ON HOW TO ADD REQUIRED INFO TO PAY ITEM NAMES AND HOW TO SHOW ON TYPICAL SECTIONS*

$$401.00A

Section 401. — ASPHALT CONCRETE PAVEMENT

BY GYRATORY MIX DESIGN METHOD

Revised 18 February 2016

*INCLUDE THE FOLLOWING ON PROJECTS IN STATES THAT HAVE CHANGED THE GYRATORY LEVELS SPECIFIED IN TABLE 401-1 (VERIFY WITH MATERIALS ENGINEER IF CLAUSE IS APPROPRIATE TO USE)*

$$401.03A

401.03. Add the following:

At the option of the Contractor, an alternate state department of transportation asphalt concrete pavement mixture that has the same nominal maximum size aggregate, traffic level (design ESAL), and asphalt binder grade as specified may be submitted for approval.

*INCLUDE CLAUSES $$401.03B, $$401.03C, $$401.03D, $$401.03E, AND $$401.03F ON ALL PROJECTS WITH 401 ASPHALT PAY ITEMS*

$$401.03B

401.03(a). Delete the Subsection and substitute the following:

**(a) RAP.** Limit the quantity of RAP by mass in the JMF for the top lift of surface course to 15 percent. Limit the quantity of RAP by mass in the JMF for intermediate and base courses to 30 percent. For intermediate and base courses containing 20 to 30 percent by mass RAP, reduce the asphalt binder performance grade by 6°C for both high temperature and low temperature performance grades.

$$401.03C

401.03(c). Add the following after the first sentence:

Submit all JMF materials and information to the EFLHD Central Laboratory in Sevierville, Tennessee, with a copy to the CO as directed.

$$401.03D

401.03(c). Add the following:

If a state department of transportation asphalt concrete pavement mixture is requested for approval, submit a state department of transportation JMF approved within the past 12 months. Include documentation from a state department of transportation official certifying that the JMF is an approved state department of transportation asphalt concrete pavement mixture.

$$401.03E

401.03(c)(4). Add the following:

For JMFs with percentages of RAP greater than 15 percent, submit a quality control plan that includes the methods used to control the RAP percentage.

$$401.03F

401.03(d). Add the following after the first sentence:

Allow a minimum of 21 days for verification of each JMF after receipt of all material and information at the EFLHD Central Laboratory.

*INCLUDE THE FOLLOWING WHEN AN MTV IS REQUIRED (TYPICALLY USED FOR PROJECTS WITH GREATER THAN 1.0 MILES OF MAINLINE PAVING AND PAVEMENT ROUGHNESS TYPE I, II, OR III) (VERIFY WITH CONSTRUCTION IF CLAUSE IS APPROPRIATE TO USE) (VERIFY WITH PAVEMENTS IF EXISTING PAVEMENT STRUCTURE CAN SUPPORT AN MTV) (DO NOT USE IF ONLY PAVING PARKING AREAS OR NARROW/CONFINED AREAS)*

$$401.05A

401.05(b). Add the following:

Use an MTV for paving operations.

*INCLUDE THE FOLLOWING ON ALL PROJECTS WITH 401 ASPHALT PAY ITEMS (TYPICALLY USED FOR PROJECTS WITH MAINLINE PAVING) (TYPICALLY NOT USED FOR PROJECTS WITH ONLY PARKING AREAS OR NARROW/CONFINED AREAS)*

$$401.13A

401.13. Add the following:

Begin paving operations at the furthest location from the asphalt plant and proceed towards the plant.

*DRAFT CLAUSE $$401.16A TO HAVE THE CO MEASURE THE PAVEMENT SURFACE ROUGHNESS INSTEAD OF THE CONTRACTOR IS UNDER DEVELOPMENT (VERIFY WITH MATERIALS ENGINEER IF DRAFT CLAUSE IS APPROPRIATE TO USE)*