



INDIANA DEPARTMENT OF TRANSPORTATION

Driving Indiana's Economic Growth

Design Memorandum No. 13-15 Technical Advisory

August 14, 2013

TO: All Design, Operations, and District Personnel, and Consultants

FROM: /s/ David Holtz
David Holtz
Director, Pavement Division

SUBJECT: HMA Pavement Pay Items for *2014 Standard Specifications* Section 402

EFFECTIVE: As noted below

The *2014 Standard Specifications* do not include pay items for HMA Surface, Intermediate, and Base in Section 402.20 to ensure that these mixtures are not used as mainline or shoulder pavements. Mainline and shoulder pavement sections previously designed as HMA Type A, B, C, or D will now be designed as QC/QA Category 1, 2, 3, 4, and 5 mixtures for Surface, Intermediate, or Base courses in accordance with Section 401.

Projects that have an approved pavement design with an HMA Type A, B, C, or D mixture specified for mainline or shoulder pavement must be converted to the appropriate QC/QA mixture by using the attached conversion chart. Send a copy of the original approved pavement design indicating the changes to Matt Thomas (mthomas@indot.in.gov) in the Office of Pavement Engineering. Be sure to include the contract number and project designation number. The converted pavement design should be combined with the conversion chart and submitted as the approved pavement design with the Final Tracings package.

For projects letting on or after January 1, 2014, the plans, quantities, and estimate must be revised to reflect the appropriate QC/QA mixture.



For projects letting prior to January 1, 2014, the Pavement Engineering Office has sent out revised pavement designs for documentation purposes and will continue to do so as needed. If you have not received a revised pavement design and your project has quantities less than 300 tons, it is acceptable to include a Hot Mix Asphalt (HMA) Pavement unique provision that will use the *2012 Standard Specifications* for HMA Surface, Intermediate, and Base pay items in Section 402. This provision may be obtained from the Department's Specifications Engineer, Scott Trammell (strammell@indot.in.gov) and is attached for reference to this memo.

Section 402 pay items for HMA Rumble Strips, HMA for Temporary Pavement, Type *, and HMA Wedge and Level, Type * remain valid. Pay items for HMA for Approaches, Type *, HMA Patching, (type), and Widening with HMA, (type) are not part of Section 402 and also remain valid.

DH:mlt:ewp

August 2, 2013

The following table is to convert a Section 402 HMA mixture to a Section 401 QC/QA HMA mixture. If lay rates are outside the ranges given for the type of course or there are additional questions, contact the Office of Pavement Engineering.

Mixture Type 	402 Type A or B	402 Type C	402 Type D
Lay Rate (lb/syd) 			
Surface			
165	QC/QA-HMA, 2, 64, Surface, 9.5mm	QC/QA-HMA, 3, 70, Surface, 9.5mm	QC/QA-HMA, 4, 70, Surface, 9.5mm
220 or 275	QC/QA-HMA, 2, 64, Surface, 12.5mm	QC/QA-HMA, 3, 70, Surface, 12.5mm	QC/QA-HMA, 3, 70, Surface, 12.5mm
Intermediate			
220	QC/QA-HMA, 2, 64, Intermediate, 12.5mm	QC/QA-HMA, 3, 64, Intermediate, 12.5mm	QC/QA-HMA, 4, 70, Intermediate, 12.5mm
275, 330 or 385	QC/QA-HMA, 2, 64, Intermediate, 19mm	QC/QA-HMA, 3, 64, Intermediate, 19mm	QC/QA-HMA, 4, 70, Intermediate, 19mm
Base			
275, 330 or 385	QC/QA-HMA, 2, 64, Base, 19 mm	QC/QA-HMA, 3, 64, Base, 19mm	QC/QA-HMA, 4, 64, Base, 19mm
440, 495, 550 or 605	QC/QA-HMA, 2, 64, Base, 25 mm	QC/QA-HMA, 3, 64, Base, 25 mm	QC/QA-HMA, 4, 64, Base, 25 mm

HOT MIX ASPHALT, HMA, FOR MISCELLANEOUS PAVEMENT

The Standard Specifications are revised as follows:

SECTION 402, BEGIN LINE 3, DELETE AND INSERT AS FOLLOWS:

402.01 Description

This work shall consist of ~~one~~ or more courses of *HMA base, intermediate, or surface mixtures, and miscellaneous courses for rumble strips, and wedge and leveling mixtures* constructed on prepared foundations in accordance with 105.03.

SECTION 402, BEGIN LINE 416, INSERT AS FOLLOWS:

Pay Item

Pay Unit Symbol

<i>HMA Surface, Type</i> ____*	<i>TON</i>
<i>HMA Intermediate, Type</i> ____*	<i>TON</i>
<i>HMA Base, Type</i> ____*	<i>TON</i>
HMA Rumble Strips	LFT
HMA for Temporary Pavement, Type ____*	TON
HMA Wedge and Level, Type ____*	TON

* Mixture type

