

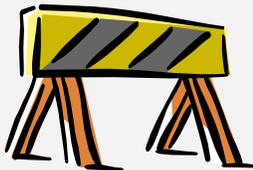
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Index: Hot Mix Asphalt

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BJO:CB

Hot Mix Asphalt (HMA) Paving

This construction advisory serves as a mid season reminder to new employees and seasoned veterans involved in HMA paving.

- Require modification to the contractor's QC Plan for any significant changes to the contractor's HMA operations. Examples include changes in subplot or lot size, plant location, testing facility, and mix changes. In addition, agreement should be made on how to handle material that has been placed. If there are less than three sublots placed and a change is approved, please contact the Construction and Technology Division for guidance on acceptance methods.
- The contractor and engineer should agree upon the pre-production minutes, which are to be retained in the project files.
- Verify bond coat application rates during production. In addition to visual inspection for a thorough and complete coverage on a clean and dry pavement, perform bond coat yield checks.
- MTM 324 requires the contractor to fill the void left from loose mix sampling with HMA obtained from the paver's auger system. Place the material in buckets from the auger system, and then in the sampling void.
- The *HMA Production Manual*, Section 3: HMA QC/QA Procedures for Field Testing, provides a quick reference guide for HMA sampling and testing. This section provides the procedure for proper core handling and transporting of the cores. Additionally, Frequently Used Special Provision 03SP504(C), sections f.5 and f.6, addresses core sampling and core testing, including outlier procedures
- BOH IM 2008-11, *Implementation of ProjectWise Document Storage System for Hot Mix Asphalt*, defines the proper naming convention for project PWL spreadsheets. Additionally, it is important for data assimilation that headings are properly filled out within the spreadsheet and no duplicate copies of job specific spreadsheets placed in ProjectWise. The most current version of the PWL spreadsheet is available at http://www.michigan.gov/mdot/0,1607,7-151-9622_11044_11367-124538--,00.html.
- Review CA 2006-07, *HMA Inspector's Daily Report Requirements and Pre-Production Meeting Agenda Item (Qualification of Sampling Technicians)*.
- Review CA 2006-09, *Asphalt Binder Witness Samples*.
- Review CA 2006-11, *Certifications and Qualifications for Testing/Sampling Personnel*.
- Pay attention to the proper construction and quality of the longitudinal joints to ensure performance. Maximum effort on the joint with the rollers on the first pass with a taper and leaving a 3/4 " notch to pave into. Limit overlap on the vertical joint with the adjoining mat. The joint should be left high enough for full compaction on all roller passes. Contact Marc Beyer in the Construction and Technology Division's HMA Operations Section for further assistance.
- Review BOH IM 2005-10, *Procedures for Job Mix Formula Adjustments*. A contractor can make changes to the process controls of the HMA plant without requesting an adjustment to target the current JMF. Make assurances that any changes for process control do not jeopardize Aggregate Wear Index requirements.

Please share this information with MDOT project staff and consultants performing construction engineering.