District Check List for Marshall Asphalt Mix Designs

Producer:		
Mix Type: Traffic Type:		
Binder Type:		
General Information	Yes	No
Are the Producer, Plant Location and Plant Code listed correctly?		
Is the HMA type and HMA code correct?		
Is the Design Laboratory on the Division Approved Laboratory Listing?		
Is the Design Technician certified as a design technician?		
Is the Plant type, make, and code listed correctly?		
Is the proposed traffic type listed correctly?		
Mix Composition	Yes	No
Are the coarse and fine aggregate sources, locations and codes listed correctly?		
Are the coarse and fine aggregate types and codes listed correctly?		
Are the coarse and fine aggregate sources and types listed on the "Approved List for		
Commercial Sources and Potential Skid Resistant Sources?		
Does the percent total aggregate and percent RAP when used, add up to 100 percent?		
Does the binder source and binder location match the binder source code?		
Is the binder type and binder code listed correctly?		
Is the binder source and type listed on the "Approved List for Bituminous Suppliers"?		
Are the proposed Target Sieve Fractions computed correctly?		
Do the Allowable Sieve Targets meet the requirements of Table 3 found in MP 401.02.22 for the type of mix presented?		
Do the Fines to Asphalt Ratio represent the value in the mix design data?		
Does the proposed desirable mean temperature and temperature range fall within specification limits?		
Job Mix Formula Values	Yes	No
Was the proposed Optimum Asphalt Content (OAC) chosen at 4 percent air voids?	T	
Were the proposed values for Stability, Flow and percent VFA chosen at the OAC and do	+	
they meet the requirements of Table 1 of MP 401.02.22?		
Was the proposed percent VMA chosen at the OAC and does it meet the requirements of Table 2 of MP 401.02.22?		

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Is the proposed value for Specific gravity stone bulk (G_{sb}) listed and does it represent the

Was the proposed Maximum Density (kg/m³) chosen at the OAC?

value found in the mix design data?

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Design Criteria	Yes	No
Was the proper number of compaction blows applied to the specimens as per Table 1 of MP 401.02.22?		
Does the design criterion for percent Stability, Flow, and percent VFA match the requirements of Table 1 of MP 401.02.22?		
Does the design criterion for Fines-to- asphalt ratio match the requirements of Table 1 of MP 401.02.22?		
Does the design criteria listed for percent VMA match the requirements of Table 2 of MP 401.02.22?		
General Requirements (MP 401.02.22) Yes	s No	N/A
Were the requirements in section 5.5 met when a mix design is presented and all aggregate material components are the same and a different neat binder grade is used?		
Are all documents included as per the requirements of sections 6.1 thru 6.1.12?		
I confirm this asphalt mix design submitted to Materials Control Soils and Testing (MCS&T) been reviewed and checked for accuracy and completeness.	Divisio	n has
Signature of District Materials Asphalt Mix Design Reviewer Date District Nu	— mber	
The asphalt mix design check list must be completed, signed, and then attached to every As Design package the District submits to MCS&T Division for acceptance.	phalt I	∕lix

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