

pavements, and wedge and level courses. The mixture type specified for temporary pavements and wedge and level courses shall be in accordance with 402.04 of the SS.

13.6 DESIGN MIX FORMULA (DMF) (Rev. 03-01-22)

The DMF is the process by which the Contractor conveys their design for each HMA mixture to DMT. ITM 583, Certified Hot Mix Asphalt Producer Program, is the primary document that includes requirements for the development of a DMF. DMT personnel are a resource to answer questions regarding DMFs.

The DMF includes the following information related to the mixture design:

- Producer (Contractor)
- Plant Location
- Material Identification/Sources-PG binder, coarse and fine aggregates
- DMF number
- Applicable ESAL Categories
- Mixture Course and Nominal Aggregate Designation
- Gradation Information
- Specific Gravity
- Lab and Plant Mixture Temperatures
- RAP/RAS Content
- Volumetric Properties
- Mixture Adjustment Factor, MAF
- Other Miscellaneous Design Information.

A DMF must be accepted by the DMTE and assigned to an appropriate CLN by the Contractor prior to paving. All DMFs for QC/QA HMA are available and stored in the DMF Entry application. This can be accessed through the [INDOT Technical Application Pathway](#) (ITAP).

At the preconstruction conference, the PEMS must ask the Contractor which DMF are planned to be utilized on the contract. Additional questions include which alternate plants are intended to be used on the contract and whether the required DMF has been obtained for mixtures produced at those plants. Establish lines of communication between the Contractor and the DMT representative at the meeting to reduce the likelihood of misunderstandings between the parties regarding material sources and material sampling requirements for 401 mixtures. Make arrangements with the DMT representative regarding transporting QA samples.

The PEMS must become familiar with each DMF number as well as the PG binder content, MAF, and pay item related information. Each mixture weigh ticket brought to the contract site must include information in accordance with 109.01(b). The DMF number is included in that list of required information. Omission of any of the required information is sufficient cause for the load to be rejected. Discuss this at the Preconstruction Conference. When asphalt mixtures arrive at the site, it will be necessary to verify that the DMF number listed on the ticket is appropriate for the mixture associated with the current paving operation.