MATERIALS MANAGEMENT
MIX DESIGN.HVEEM MIX DESIGN
AUTOMATION SECTION 3450

3450.1 SCOPE. To establish policy on Materials Management.Mix Designs.HVEEM Mix Design. To define field names and establish policy on the content of these fields.

3450.2 GENERAL. HVEEM Mix Design provides data consisting of Mix Description, Mix Properties, Mix Materials and Mix Gradations for each mix designed by the Direct Compression Method. The Direct Compression Mix Design is defined as applicable in the SiteManager environment when Test T167 is designated on the official Mix Design record as issued by the Field Office.

3450.3 Materials Management.Mix Designs.HVEEM Mix Design shall be maintained by the Materials Field Office or an individual assigned by the SiteManager Administrators. Update rights shall be given to those groups responsible as directed by the SiteManager Administrators. Inquiry rights only shall be given to all other users. The paper copy of the Mix Design, as issued by the Field Office is to be considered the official record of the mix design.

3450.4 DESCRIPTION TAB. This must be completed for each mix.

3450.4.1 Mix ID. Assigned by the Field Office. The Materials Field Office must be notified of all changes made to any asphalt mix by the District. It is important for mix changes and transfers to be submitted to General Headquarters in a timely manner for entry into SiteManager. If a source change occurs in an asphalt mixture, a letter, beginning with “A”, will be added to the end of the mix ID in SiteManager. District transfers of Hveem mixes are designated with a lower case letter, beginning with “a”.

3450.4.2 Material Code. Select the appropriate material.

3450.4.3 Producer/Supplier. Select the producer/supplier who will initially use the mix design.

3450.4.4 Designer Name. May be blank or may contain the Field Office person responsible for design.

3450.4.5 AC Type. Select from the list.

3450.4.6 Mix Type. Select from list. Generally, this will match the material code selected above.

3450.4.7 Effective Date. Date mix was approved by Field Office.

3450.4.8 Terminate Date. December 31 of the third year beyond the Effective Date, or the termination date designated by the Materials Field Office Director.

3450.5 PROPERTIES TAB. The following fields shall be populated with information taken from the Mix Design. Any fields not listed shall remain blank.

3450.5.1 Optimum AC % Tot Weight.

3450.5.2 Air Void.

3450.5.3 VFA %.

3450.5.4 VMA %.

3450.5.5 Bulk Specific Gravity.

3450.5.6 Maximum Specific Gravity.

3450.6 MATERIALS TAB. Each of the materials used in the mix design is selected and added to the list for the mix design.

3450.6.1 Material Code. Select the materials that are components of the mix.

3450.6.2 Producer Supplier Code. Select the producer of the material indicated above.

3450.6.3 Brand Name. This field is used when the component has a brand name.

3450.6.4 Blend Percent. This is the % of the mix contributed by the indicated material.

3450.6.5 Sample ID. The sample ID of the material submitted for job mix design. If the sample was originally submitted prior to the use of SiteManager, the field must remain blank.

3450.6.6 Spcfc Gravity (Apparent). This field is not used at this time.

3450.6.7 Spcfc Gravity (Bulk). This field is not used at this time.

3450.7 GRADATION TAB. To establish policy on gradation data for a specific material code.

3450.7.1 Gradation specification data for the material, if applicable, shall be entered from the Missouri Standard Specifications for Highway Construction or other applicable documents. Gradation data shall be that which is in effect on the Effective Date.

3450.7.2 Each sieve value shall be shown along with Minimum Production Tolerance and Maximum Production Tolerance as specified. The Minimum and Maximum Ranges are established in association with the creation of the material code.

3450.7.2.1 Minimum Production Tolerance. The minimum value allowed by application of the appropriate specification is entered, but never less than zero.

3450.7.2.2 Maximum Production Tolerance. The maximum value allowed by application of the appropriate specification is entered, but never more than 100.