KENTUCKY TRANSPORTATION CABINET

Kentucky TRNS*PORT Information Series

SiteManager Materials Module

Marshall Mix Design Window

Navigation

Main Panel \ Materials Management \ Mix Design \ Marshall Mix Design

Marshall Mix Design Window Description

Marshall Mix Design window allows for the addition, modification, and approval of
Marshall Mix Designs. A Marshall Mix Design may not be changed if it is approved.
The test results on this window can be used by SiteManager for comparison. A Marshall
Mix Design may also be downloaded for a specific contract.

Procedure

The Kentucky Transportation Cabinet will not use this window at this time.

DESCRIPTION FOLDER TAB

Description Folder Tab Description

Procedure

Field Table

Field Name	KYTC Population Policy & Procedure
Mix ID	The ID for the Marshall mix. - KYTC will not be using this field.
Material Code	The transportation agency-defined ID for a material. This is the material code for the Marshall mix. - KYTC will not be using this field.
Producer Supplier Code	The transportation agency-defined ID for a source/location of the material. Producer/Supplier Code must have an active status on the Producer Supplier table, when entered. - KYTC will not be using this field.
Designer Name	The name of the designer responsible for the Marshall mix. - KYTC will not be using this field.
Mix Type	This describes the type of mix design (e.g. A, D) - KYTC will not be using this field.
Effective Date	Effective date for the Marshall mix. Defaults to current date when a new Marshall mix is entered. - KYTC will not be using this field.

Field Name	KYTC Population Policy & Procedure
Termination Date	Date the Marshall mix is no longer available for use. Must be greater than Effective Date. - KYTC will not be using this field.
Approved Date	A system generated date to identify when the Marshall mix was approved. Defaults to current date when a Marshall mix is approved. - KYTC will not be using this field.
Approved By User ID	A system generated value containing the user ID of the person approving the Marshall mix. - KYTC will not be using this field.

PROPERTIES FOLDER TAB

Properties Folder Tab Description

Procedure

Field Table

Field Name	KYTC Population Policy & Procedure
Asphalt Content %	Percentage of asphalt content. - KYTC will not be using this field.
Stability	Stability of the Marshall mix design. - KYTC will not be using this field.
Stability Units Type	Unit of measure for stability value (e.g. newtons, pounds). Required when Stability entered. - KYTC will not be using this field.
Flow	Flow of the Marshall mix design. - KYTC will not be using this field.
Flow Units Type	Unit of measure for flow value (e.g. millimeters, inches). Required when Flow entered. - KYTC will not be using this field.
Air Void %	Percentage of air voids in the mix. - KYTC will not be using this field.
VMA %	Percent voids in the mineral aggregate. - KYTC will not be using this field.
Film Thickness	Thickness of asphalt film surrounding aggregates. - KYTC will not be using this field.
VFA %	Percent of VMA filled by the effective asphalt. - KYTC will not be using this field.

KENTUCKY TRANSPORTATION CABINET

Kentucky TRNS*PORT Information Series

SiteManager Materials Module

Field Name	KYTC Population Policy & Procedure
Filler/Bitumen Ratio	Ratio of filler/bitumen in the mix. - KYTC will not be using this field.
Brick Height	Height of the brick. - KYTC will not be using this field.
Brick Height Units Type	Unit of measure for brick height value (e.g. inches). Required when Brick Height entered. - KYTC will not be using this field.
Recycling Agent %	The percentage of recycling agent added into the mix. - KYTC will not be using this field.
Anti Strip Agent %	The percentage of anti-strip agent added into the mix. - KYTC will not be using this field.
Asphalt Abs %	Percent of asphalt absorbed. - KYTC will not be using this field.
Weighted Bulk Specific Gravity	Weighted bulk specific gravity of aggregates. - KYTC will not be using this field.
Max Spcfc Gravity	Maximum specific gravity of the Marshall mix design. - KYTC will not be using this field.
Bulk Specific Gravity	Bulk specific gravity of the Marshall mix design. - KYTC will not be using this field.
Virtual Spcfc Gravity	Virtual specific gravity of the Marshall mix design. - KYTC will not be using this field.
Effective Asphalt	Percent of asphalt after absorption by aggregate. - KYTC will not be using this field.
Density Unit Weight	Density/unit weight of the Marshall mix design. - KYTC will not be using this field.
Density Unit Weight Units Type	Unit of measure for density/unit weight value (e.g. grams/cm3, lb/ft3). Required when Density/Unit Weight entered. - KYTC will not be using this field.
No of Blows	The number of times struck. - KYTC will not be using this field.
Mixing Temperature	Design mixing temperature. - KYTC will not be using this field.
Mixing Temperature Units Type	Unit of measure for mixing temperature value (e.g. Centigrade, Fahrenheit). Required when Mixing Temperature entered. - KYTC will not be using this field.
Compaction Temp	Design compaction temperature. - KYTC will not be using this field.
Compaction Temperature Units Type	Unit of measure for compaction temperature value (e.g. Centigrade, Fahrenheit). Required when Compaction Temp entered. - KYTC will not be using this field.

MATERIALS FOLDER TAB

Materials Folder Tab Description

Procedure

Field Table

Field Name	KYTC Population Policy & Procedure
Material Code	The unique identifier of a component material associated with the bituminous mix material with which the mix design will be associated. The full description for the highlighted material will display to the right of the material code. - KYTC will not be using this field.
Producer Supplier Code	The unique identifier of the producer/ supplier approved to provide the component material for the bituminous mix material. The full name for the highlighted producer/supplier will display to the right of the code. - KYTC will not be using this field.
Brand Name	This is a freeform text field where the brand name of the component material may be entered. - KYTC will not be using this field.
Blend Percent	The percentage of the component material contained within the bituminous mix material. For the bituminous component material (asphalt cement), the blend percent will reflect the virgin asphalt cement only. - KYTC will not be using this field.
Sample ID	This field is populated with the unique identifier of a sample record created to capture test data during the evaluation process of the component material. - KYTC will not be using this field.
Specific Gravity (Apparent)	The apparent specific gravity of the component material contained within the bituminous mix material. - KYTC will not be using this field.
Specific Gravity (Bulk)	The bulk specific gravity of the component material contained within the bituminous mix material. - KYTC will not be using this field.

GRADATIONS FOLDER TAB

Gradations Folder Tab Description

Procedure

Field Table

Field Name	KYTC Population Policy & Procedure

KENTUCKY TRANSPORTATION CABINET

Kentucky TRNS*PORT Information Series

SiteManager Materials Module

Field Name	KYTC Population Policy & Procedure
Effective Date	The date the gradation specification becomes effective. Defaults to current date when a new set of material gradation specifications are created or copied. - KYTC will not be using this field.
Status	Identifies the current status of this sieve size record (e.g. active or inactive). Status defaults to active. - KYTC will not be using this field.
Sieve Size	AASHTO and ASTM standard sieve sizes (i.e.1/2, No. 4). Sieve size required when Minimum or Maximum entered. - KYTC will not be using this field.
Sieve Value	The percentage of bituminous mix material passing through the sieve screen. - KYTC will not be using this field.
Minimum Range	The beginning value for the gradation specification limit. - KYTC will not be using this field.
Maximum Range	The ending value for the gradation specification limit. - KYTC will not be using this field.
Min Production Tolerance	The minimum production tolerance value specification. This field is required when the Sieve Value field is populated. - KYTC will not be using this field.
Max Production Tolerance	The maximum production tolerance value specification. This field is required when the Sieve Value field is populated. - KYTC will not be using this field.