



ENGINEERING MATERIALS LAB

Residential / Marshall Mix Design Information Input Sheet

ASPHALT MIX:

Supplier

Type 1/2"

3/4"

Traffic Volume:

Low Volume

High Volume

Design Binder Content (%)	<input type="text"/>
Product Code	<input type="text"/>
Plant Location	<input type="text"/>
Plant Number	<input type="text"/>
Supplier Lab Number	<input type="text"/>
Name of Design Lab	<input type="text"/>
Design Date	<input type="text"/>

BINDER PROPERTIES:

Binder Grade	<input type="text"/>
Mixing Temperature (°F)	<input type="text"/>
Compaction Temperature (°F)	<input type="text"/>
Specific Gravity	<input type="text"/>

ADMIX:

Admix Content (%)	<input type="text"/>
Admix Type	<input type="text"/>

TENSILE STRENGTH RATIO:

Dry Tensile Strength (psi)	<input type="text"/>
Tensile Strength Ratio (%)	<input type="text"/>

AGGREGATE PROPERTIES:

Fractured Face One Count (%)	<input type="text"/>
Fractured Face Two Count (%)	<input type="text"/>
Uncompacted Void Content (%)	<input type="text"/>
Flat and Elongated Particles (%)	<input type="text"/>
Sand Equivalent	<input type="text"/>
Plasticity Index	<input type="text"/>
L.A. Abrasion @ 100 Revolutions (%)	<input type="text"/>
L.A. Abrasion @ 500 Revolutions (%)	<input type="text"/>
Combined Bulk Specific Gravity	<input type="text"/>
Combined Water Absorption (%)	<input type="text"/>
Fine Aggregate Bulk Specific Gravity	<input type="text"/>
Film Thickness	<input type="text"/>

MIX PROPERTIES:

Voids in Mineral Aggregate (%)	<input type="text"/>
Effective Voids (%)	<input type="text"/>
Absorbed Asphalt (%)	<input type="text"/>
Dust to Effective Asphalt Ratio	<input type="text"/>
Stability (lbs)	<input type="text"/>
Flow (0.01 in)	<input type="text"/>
Maximum Theoretical Specific Gravity	<input type="text"/>
Bulk Specific Gravity	<input type="text"/>

CITY OF MESA USE ONLY:

Date Submitted	<input type="text"/>
Review Date	<input type="text"/>
Reviewed by	<input type="text"/>
Is Gradation Within Limits?	<input type="text"/>

Documentation Received?

NVLAP or AASHTO Accreditation	<input type="text"/>
ARPA Certification	<input type="text"/>
Asphalt Binder Certification	<input type="text"/>
Admix Certification	<input type="text"/>
Design P.E. Stamp and Resume	<input type="text"/>