



# ENGINEERING MATERIALS LAB

Arterial / Gyrotory Mix Design Information Input Sheet

### ASPHALT MIX:

Supplier

Type 1/2"

3/4"

Design Binder Content (%)   
Product Code   
Plant Location   
Plant Number   
Supplier Lab Number   
Name of Design Lab   
Design Date

### BINDER PROPERTIES:

Binder Grade   
Mixing Temperature (°F)   
Compaction Temperature (°F)   
Specific Gravity

### ADMIX:

Admix Content (%)   
Admix Type

### TENSILE STRENGTH RATIO:

Dry Tensile Strength (psi)   
Tensile Strength Ratio (%)

### AGGREGATE PROPERTIES:

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

### MIX PROPERTIES:

Voids in Mineral Aggregate (%)   
Effective Voids (%)   
Absorbed Asphalt (%)   
Dust to Effective Asphalt Ratio   
Gyrations @ N Initial   
Gyrations @ N Design   
Gyrations @ N Maximum   
Max Theoretical Specific Gravity @ N Design   
Bulk Specific Gravity @ N Design

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### CITY OF MESA USE ONLY:

Date Submitted   
Review Date   
Reviewed by   
Is Gradation Within Limits?

### Documentation Received?

NVLAP or AASHTO Accreditation   
ARPA Certification   
Asphalt Binder Certification   
Liquid Asphalt Test Results   
Admix Certification   
Design P.E. Stamp and Resume