

MARSHALL MIX DESIGN CHECKLIST

ALL ITEMS MUST BE CHECKED OR FILLED IN AND VALID, OR THE REVIEW PROCESS WILL STOP

COMPANY NAME	SUBMITTED BY	DATE	TIME
CONTROL SECTION	JOB NO.	MIX TYPE	

PAPERWORK REVIEW

YES NO SAMPLE SUBMITTAL

YES NO

<p>Resubmittal</p> <p>Blend % adds up to 100%</p> <p>Pit numbers filled in</p> <p>Pit numbers on the communication sheet correlate with the pit numbers on the sample identification sheets</p> <p>Aggregate types filled in</p>	<p>1 - 5000 (7000 for 2C) gram mixture samples at point closest to/or at optimum asphalt content.</p> <p>1 - 2500 gram representative RAP sample</p> <p>Individual Aggregate Wear Index (AWI) samples for each aggregate requiring AWI value. (This must be in accordance with MTM-112)</p>
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Aggregate types on the communication sheet correlate with the aggregate types on the sample identification sheets

PAPERWORK

YES NO

Master gradation range filled in

Contractor's Bituminous Mix Design Communication (form [1820](#))

Combined gradation filled in

Contractor's submitted Mix Design Summary sheet (form [1813](#))

Crush count filled in

Marshall Mix Design Worksheet (form [1822](#))

Angularity index filled in

Theoretical Maximum Specific Gravity of Bituminous Paving Mixture (form [1806](#))

Combined gradation meets specification

Sample Identification (form [1923](#))

Crush count meets specification

Documentation of Quality Control Testing of RAP Stockpiles (form [1879](#))

Angularity index meets specification

Current L.A. Abrasion number and year filled in for each aggregate source

Asphalt Temp-visc Curve

If this is a 13A - 36A mixture, does the sand ratio pass?

Project office notification

Does the mix pass fines/asphalt ratio?

Provide a copy of the cover page, schedule of items page, showing the required mix and bituminous application table.

For top course mixtures, are the AWI values from the nomographs?

Coarse Aggregate Gravity (form [1859](#))

Does the combined AWI value meet specification?

Fine Aggregate Gravity (form [1860](#))

Is each sample submitted accompanied by a Sample Identification (form [1923](#))?

Regression sheet

Asphalt cement grade used in the mixture _____

Asphalt cement grade required for the project _____