

# SUPERPAVE 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	APPROVED FOR EXPRESS MIX DESIGN SUBMITTAL

  

<b><u>PAPERWORK REVIEW</u></b>	<b>YES</b>	<b>NO</b>		<b>YES</b>	<b>NO</b>
Resubmittal	<input type="checkbox"/>	<input type="checkbox"/>	Individual Aggregate Wear Index (AWI) samples for each aggregate which requires an AWI value.	<input type="checkbox"/>	<input type="checkbox"/>
Blend % adds up to 100%	<input type="checkbox"/>	<input type="checkbox"/>	<b>NOTE:</b> These should be submitted even if a nomograph exists for that aggregate or if previously submitted for another design.	<input type="checkbox"/>	<input type="checkbox"/>
Pit numbers filled in	<input type="checkbox"/>	<input type="checkbox"/>			
Pit numbers on the communication sheet correlate with the pit numbers on the sample identification sheet	<input type="checkbox"/>	<input type="checkbox"/>	1 – 2000 gram sample of blended aggregate, retained 4.75mm sieve (Washed and Dried) for Gsb	<input type="checkbox"/>	<input type="checkbox"/>
Aggregate types filled in	<input type="checkbox"/>	<input type="checkbox"/>	1 – 1400 gram sample of blended aggregate, passing 2.36mm sieve (Washed and Dried) for Gsb	<input type="checkbox"/>	<input type="checkbox"/>
Aggregate types on the communication sheet correlate with the aggregate types on the sample identification sheet.	<input type="checkbox"/>	<input type="checkbox"/>	1 – 2000 gram sample of aggregate retained 2.36mm sieve for Gsb	<input type="checkbox"/>	<input type="checkbox"/>
Master gradation range filled in	<input type="checkbox"/>	<input type="checkbox"/>	<b>NOTE:</b> Only if 25% or greater is retained on the 2.36mm sieve. (Washed and Dried)		
Combined gradation filled in	<input type="checkbox"/>	<input type="checkbox"/>	1 – 1400 gram sample of aggregate, passing 4.75mm sieve (Not Washed) for sand equivalent.	<input type="checkbox"/>	<input type="checkbox"/>
1 & 2 sided crush counts filled in & blend meets specification	<input type="checkbox"/>	<input type="checkbox"/>			
Combined gradation meets specification	<input type="checkbox"/>	<input type="checkbox"/>	<b>DOCUMENTATION</b>	<b>YES</b>	<b>NO</b>
Angularity index filled in & meets specification	<input type="checkbox"/>	<input type="checkbox"/>	Form 1855 – Superpave Bituminous Mix Design Communication	<input type="checkbox"/>	<input type="checkbox"/>
Current L.A. Abrasion number and year filled in For each aggregate source	<input type="checkbox"/>	<input type="checkbox"/>	Form 1923 – Sample Identification	<input type="checkbox"/>	<input type="checkbox"/>
Does the mix pass fines/effective asphalt ratio?	<input type="checkbox"/>	<input type="checkbox"/>	<b>NOTE:</b> Must be included in each sample package		
Does the combined AWI value meet specification?	<input type="checkbox"/>	<input type="checkbox"/>	Form 1858 – Superpave Mix Design Summary Sheet	<input type="checkbox"/>	<input type="checkbox"/>
Is each sample accompanied by a Sample Identification form (form 1923)?	<input type="checkbox"/>	<input type="checkbox"/>	Form 1806 – Theoretical Maximum Specific Gravity Worksheet	<input type="checkbox"/>	<input type="checkbox"/>
			Form 1851 – Gyrotory Compacted Bulk Specific Gravity Worksheet	<input type="checkbox"/>	<input type="checkbox"/>
			Provide documentation of Quality Control Testing of RAP Stockpiles. This includes a minimum of 3 Theoretical Maximum Specific Gravities performed on stockpile.	<input type="checkbox"/>	<input type="checkbox"/>
			<b>NOTE:</b> Only if RAP is included in the mixture.		
			Combined gradation plotted on 0.45 power gradation chart	<input type="checkbox"/>	<input type="checkbox"/>
			Form 1859 = Coarse Aggregate Bulk Gravity	<input type="checkbox"/>	<input type="checkbox"/>
			Form 1860 – Fine Aggregate Bulk Gravity	<input type="checkbox"/>	<input type="checkbox"/>
			Full set of height data	<input type="checkbox"/>	<input type="checkbox"/>
			Asphalt TEMP-VISC Curve	<input type="checkbox"/>	<input type="checkbox"/>
			Regression sheet	<input type="checkbox"/>	<input type="checkbox"/>
			Tensile Strength Ratio (TSR) Worksheet	<input type="checkbox"/>	<input type="checkbox"/>
			Provide a copy of the cover page and schedule of items page showing the required mix and bituminous application table.	<input type="checkbox"/>	<input type="checkbox"/>

  

<b><u>MATERIALS REQUIRED</u></b>	<b>YES</b>	<b>NO</b>			
<b>NOTE:</b> All MIXTURE samples are submitted at Optimum asphalt content.					
3 – (*) gram samples of mixture for Gmb and Gmm	<input type="checkbox"/>	<input type="checkbox"/>			
<b>NOTE:</b> At least one full test point (0.5% asphalt) above or below optimum asphalt content is required.					
1 – 2500 gram representative RAP sample (RAP Mix Design Only)	<input type="checkbox"/>	<input type="checkbox"/>			
1 – 190 gram sample blended angularity index (N.A.A. Method A)(Washed and Dried)	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>			
	<input type="checkbox"/>	<input type="checkbox"/>			

  

Project office notification	<input type="checkbox"/>	<input type="checkbox"/>			
Asphalt cement grade used in the mixture	_____				
Asphalt cement grade required for the project	_____				

\* The weight of the mix to compact to 115mm height.