Louisiana Department of Transportation and Development

JMF SUPERPAVE ASPHALTIC CONCRETE MIXTURES

DOTD 03-22-3090
Draft 03/04

Metric / English ___ *(M or E)* **Spec Year** 2 0 0 0 *< Entry Fields located on MATT Menu*

Proj. No. ___ **Plant Code** H ___ **Mix Type** ___ Mix Use ___ **Des. Level** ___ **Seq No.** ___

10^6 ESAL ___ Plant Type ___ *1 = Batch Screenless 2 = Batch Hot Bin 3 = Drum Mixer 4 = Continuous* Prod. Rate ___ Mixing Time: Dry ___ Wet ___

Adj.Factor ___ ADT/Lane ___ Nom. Agg.Size ___ AC Corr.Factor ___ *Report Pos (+) or Neg (–) for AC Corr Fac* Perm.,fpd ___

F.A.P. No. ___ Project Contr. ___ Project Engr ___

AGGREGATES

Material	Source Code	Source Name	Aggr Type	Material Code	Aggr. Percent	Bulk Sp Gr, G_{sb}	Abs	FAA	Sand Eq.	Flat & Elong	CAA	FR (1-4)	% Ret No.8
Cr Aggr													
Cr Aggr													
Cr Aggr													
Cr Aggr													
Co Sand													
Fine Sand													
RAP Aggr			RAP Aggr			*						3	
Other													
Composite					100%								

ASPHALT CEMENT and ADDITIVES *(AC G_b assumed to be 1.03)*

* *Report Effective Specific Gravity of RAP Aggregate, G_{se}*

Material	Source Code	Product Name	Matl. Code	Source Name	% of Mix
Asphalt Cement					
Asphalt from RAP					
Anti Strip					
Other					
Mineral Filler					
Fibers					

TENSILE STRENGTH RATIO

Design: Control, PSI (MP_a) ___ % TSR ___

[1] Validation: Control, PSI (MP_a) ___ % TSR ___

DESIGN DATA		VALIDATION DATA			JMF Limits
Parameter	Submittal	Average	Std. Dev.	PWL	*(per validation avg)*
G_{mm}				[2]	
% G_{mm} @ NI				[2]	
% G_{mm} @ ND					
% G_{mm} @ NM				[2]	
VMA				[2]	
VFA		[3]			
% Voids				[2]	
% AC Design					
Slope					
Comp Temp					
G_{mb} (Max)					
% DF Crushed					
1 ½ in (37.5 mm)		[3]			
1 in (25.0 mm)		[3]			
3/4 in (19.0 mm)		[3]			
½ in (12.5 mm)		[3]			
3/8 in (9.5 mm)		[3]			
No. 4 (4.75 mm)		[3]			
No. 8 (2.36 mm)		[3]		[2]	
No. 16 (1.18 mm)		[3]			
No. 30 (600 µm)		[3]			
No. 50 (300 µm)		[3]			
No. 100 (150 µm)		[3]			
No. 200 (75 µm)		[3]		[2]	
% AC Extracted		[3]			
Dust/P_{eff}		[3]			0.6 - 1.6
G_{se}		[3]			
P_{ba}	±	± [3]			≥ 0.0
P_{be}					

Submitted for Contractor By: ___

Date Submitted ___

Technician

Proposal Approved: *Y=Yes N=No* ..... ___

By: ___

Date ___

Signature

Validation Approved: *Y=Yes N=No* ... ___

By: ___ *(lab engr sub code)*

Date ___

Number of Validation Attempts . . ___

(Y/ N)

[1] TSR ≥ 80 ..... ___

[2] Each PWL Parameter ≥ 90 .... ___

[3] Avg. within JMF spec. limits .... ___

Approved By

Date First Used: ___

[1] To validate, TSR must be ≥ 80

[2] To validate, PWL must be ≥ 90 for each parameter.

[3] To validate, validation average must be within JMF specification limits.

Remarks ___