

WORKSHEET FOR A HVEEM MIX DESIGN AASHTO T 246

Project:	Date:
Contractor:	Class & Grading of mixture:
Asphalt supplier:	Grade of asphalt:
Sources for: Aggregates:	Mineral filler:
Testing laboratory name:	Phone:
Testing performed by:	
Testing reported by:	

English Metric

SUMMARY OF THE PROPOSED JOB-MIX-FORMULA

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| <ol style="list-style-type: none"> 1. Percent asphalt by mass of total mix¹, (P_b) 2. Air voids (V_a) 3. Voids in mineral aggregate (VMA) 4. Maximum specific gravity (G_{mm}) 5. Recommended plant mixing temperature,
(Attach Temperature Viscosity Curve) 6. Effective specific gravity of aggregate (G_{se}) 7. Stabilometer value | <ol style="list-style-type: none"> 8. Specific gravity of binder (G_b) 9. Specific gravity of mineral filler 10. Dust-to-Binder ratio (DP) 11. Moisture susceptibility test results: ² <ol style="list-style-type: none"> a. Dry strength, b. Wet strength, c. Index of retained strength, % |
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Gradation Designation:

GRADATION TARGET VALUES AND ALLOWABLE DEVIATIONS				SPECIFIC GRAVITY AND ABSORPTION		
Sieve Sizes	Job Mix Formula Target Value ³	Target Value Specification Range %	Allowable Deviation ⁴ %	Fine Aggregate (AASHTO T 84)	Coarse Aggregate (AASHTO T 85)	Combined Aggregate
				Bulk SG (G_{sb})		
				Bulk SSD SG		
				Apparent SG (G_{sa})		
				Absorption	%	%

¹ Establish asphalt cement content (percent by mass of mix) to the nearest 0.01 percent.
² See contract for moisture susceptibility test method: AASTHO T 165/T 167 or AASTHO T 283.
³ Establish target values to the nearest 0.1 percent as a part of the job mix formula.
⁴ Allowable deviations plus or minus from established target values.

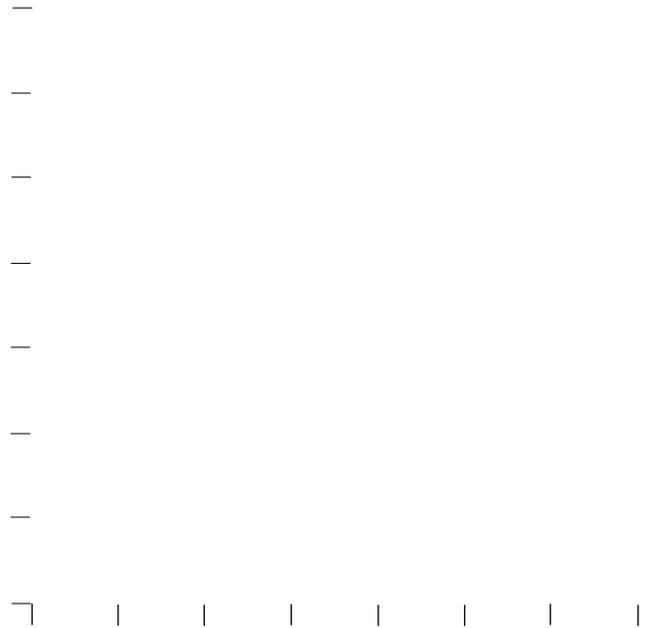
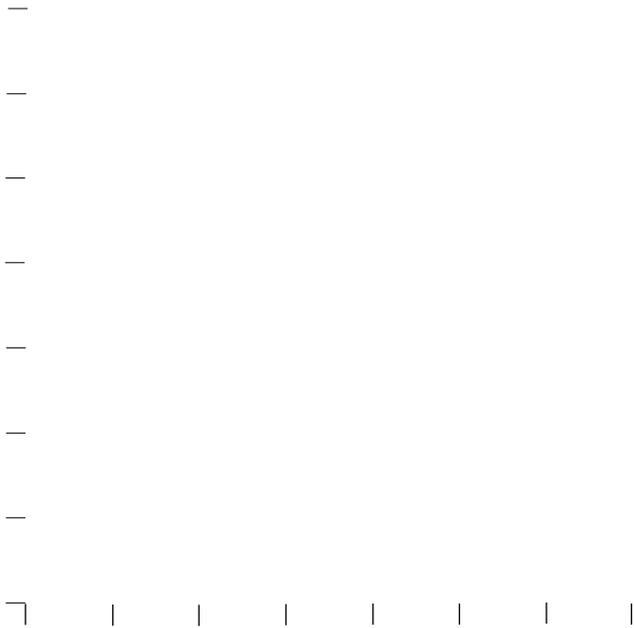
WORKSHEET FOR A HVEEM MIX DESIGN (Continued)

Design Curves for Proposed Job Mix Formula (JMF)

AIR VOIDS (V_a)

UNIT MASS

% Air voids (V_a)



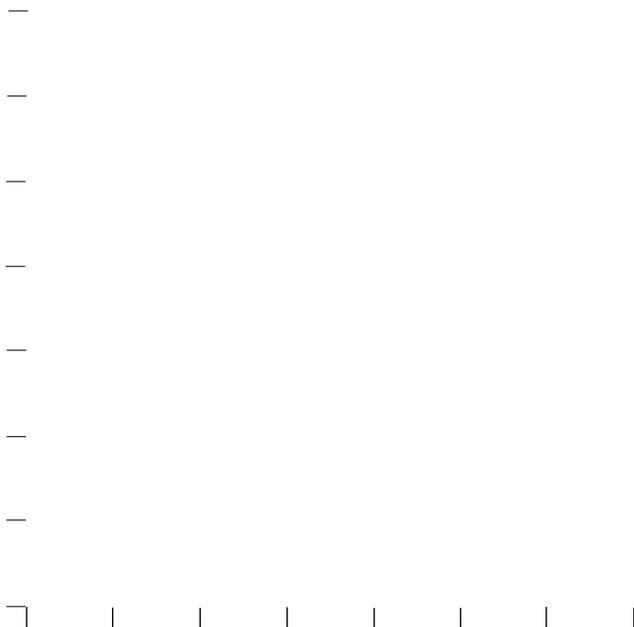
% Asphalt binder (P_b)

% Asphalt binder (P_b)

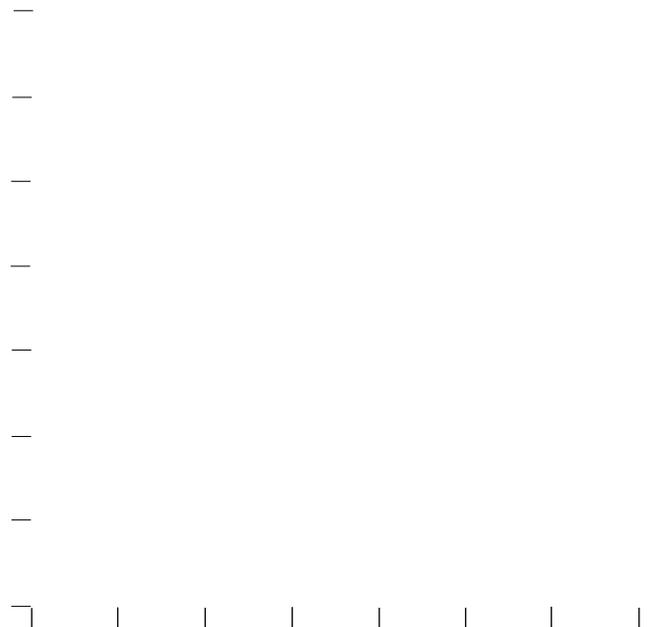
S-VALUE

VMA

Stabilometer values



Voids in mineral aggregate



% Asphalt binder (P_b)

% Asphalt binder (P_b)