

TESTING OF HMA (CALCULATION WORKSHEET)

CONTROL SECTION	JOB NUMBER	MIXTURE TYPE	MIX DESIGN NUMBER	REPORT NO.	DATE
CONTRACTOR		PLANT NUMBER	PLANT LOCATION		SHEET OF
TESTER (Please Print)			QUALIFICATION NUMBER	LOT NUMBER	SUBLOT NUMBER
ASPHALT CONTENT - CALCULATION % ASPHALT = $\frac{100 \times G_b \times (G_{se} - G_{mm})}{G_{mm} \times (G_{se} - G_b)}$			AGGREGATE ANALYSIS		
			SIEVE SIZE	WEIGHT RETAINED, GRAMS	FRACTION RETAINED, %
A. G _b , SPECIFIC GRAVITY OF ASPHALT			1-1/2" (37.5 mm)		
B. G _{se} , EFFECTIVE SPECIFIC GRAVITY OF AGGREGATE, SEE FORM 1911			1" (25.0 mm)		
C. G _{mm} , MAXIMUM THEORETICAL SPECIFIC GRAVITY OF MIX, SEE SUBLOT			3/4" (19.0 mm)		
D. B. - C.			1/2" (12.5 mm)		
E. D. x A. x 100			3/8" (9.5 mm)		
F. B. - A.			No. 4 (4.75 mm)		
G. F. x C.			No. 8 (2.36 mm)		
H. % ASPHALT (E. / G.)			No. 16 (1.18mm)		
I. WT. OF DRY EXTRACTED AGG.			No. 30 (600 μm)		
J. WT. OF DRY AGG. AFTER WASHING			No. 50 (300 μm)		
K. WT. LOSS BY WASHING (I - J)			No. 100 (150 μm)		
L. WT. PASSING No. 200 (75 μm) BY SHAKING			No. 200 (75 μm)		N
M. TOTAL PASSING P. No. 200 (75 μm) (K + L)			P. No. 200 (75 μm)	M	N
N. P No. 200 (75 μm) % IN AGG. (M / I) * 100			TOTAL		100.00
CRUSHED PARTICLE CONTENT			SOURCE OF AGGREGATE SAMPLE		
X. WT. OF AGG. RET. ON No. 4 (4.75mm) & ABOVE			REMARKS:		
Y. WT. OF 2 FACE OR MORE					
Z. WT. OF 1 FACE OR MORE					
% CRUSHED, 2 FACE OR MORE (Y / X) * 100					
% CRUSHED, 1 FACE OR MORE (Z / X) * 100					

C = CARE
A = ACCURACY
P = PRECISION