

WORKSHEET FOR DETERMINING VOLUMETRIC PROPERTIES OF SUPERPAVE ASPHALT CONCRETE at N_{des} AASHTO T 209, AASHTO T 166, AASHTO T 269 AND AASHTO R 35

Project	Source
Sample of	Lot No. Sample No.
Where sampled	Time Sampled:
Sampled by Date	Tested by Date
GYRATORY COMPACTOR SAMPLE INFORMATION	
English Metric	OK SAIM BE IN OKIMITON
Sample height,	Number of gyrations @ N _{des}
Initial sample weight, g	Binder Content, % by mix (Pb)
MAXIMUM SPECIFIC GRAVITY (AASHTO T 209)	
A. MASS OF CALIBRATED PYCNOMETER AT	C. Mass of container filled with sample and water at
B. Mass of sample in air, g	and water at , g D. Maximum Specific Gravity,
b. Wass of sample in an, g	Gmm, [B/(A+B-C)]
BULK SPECIFIC GRAVITY OF COMPACTED ASPHALT MIX (AASHTO T 166)	
E. Mass of sample in air, g	H. Volume, cc [F-G]
F. Mass of SSD sample, g	J. Bulk Specific Gravity, Gmb, [E/H]
G. Mass of sample in water , g	K. Unit mass of sample,
PERCENT AIR VOIDS OF COMPACTED ASPHALT MIX (AASHTO T 269)	
L. Percent air voids, Va, % [100*(1-(J/D))]	
VOLUMETRIC ANALYSIS FOR COMPACTED ASPHALT MIX (AASHTO R 35)	
M. Bulk specific gravity of combined aggregate, (from mix design), Gsb	O. Voids in the mineral aggregate, VMA, % [100-((J*N)/M)]
N. Percent aggregate in sample, Ps (100-Pb) (1)	P. Voids filled with asphalt, VFA, % [100*((O-L)/O)]
(1) Pb as determined by AASHTO T 308.	
REMARKS:	