WEST VIRGINIA DIVISION OF HIGHWAYS

WORKSHEET FOR CALCULATING BULK SPECIFIC GRAVITIES OF AGGREGATE (G_{sb}), WHEN USING RECYCLED MATERIALS (RAP)

Note: This worksheet is applicable only for mixtures containing reclaimed material (RAP)

G_{sb} = bulk specific gravity for the total aggregate

 A_p = total aggregate = 100 percent

 P_1 , P_2 , P_n , P_{rap} = percentage of total aggregate

 G_1 , G_2 , G_n = bulk specific gravities of aggregates

G_{serap} = effective specific gravity of the recycled aggregate

Note: When using mineral filler use the apparent specific gravity

Component	Percent	Bulk			G _{sb} =
Aggregate	of Total	Specific	Percent		$100 / [P_1/G_1 + P_2/G_2 +$
Туре	Aggregate	Gravity	RAP	G_{serap}	+ $P_n/G_n + P_{rap}/G_{serap}$]
					*

^{*} Report this value when calculating VMA (Attachment #6)

Note: Report the following values to the nearest thousandth (0.001):

G_{sb}, G_{serap} and bulk specific gravity