

WEST VIRGINIA DIVISION OF HIGHWAYS

WORKSHEET FOR CALCULATING MAXIMUM SPECIFIC GRAVITIES OF MIXTURES WITH DIFFERENT ASPHALT CONTENTS (G_{mm})

$$G_{mm} = \frac{P_{mm}}{\frac{P_s}{G_{se}} + \frac{P_b}{G_b}}$$

(P_{mm}) Total loose mixture, percent by total weight of
mixture = 100 percent

% Aggregate By Total Weight Of Mixture	Effective Specific Gravity of Aggregate	% Asphalt By Total Weight of Mixture	Specific Gravity of Asphalt	Maximum Specific Gravity of Paving Mixture $100 / [(P_s / G_{se}) + (P_b / G_b)]$
P_s	G_{se}	P_b	G_b	G_{mm}

*Note: Report the following values to the nearest thousandth (0.001):
 G_{se} , G_b , and G_{mm}*