

WEST VIRGINIA DIVISION OF HIGHWAYS

WORKSHEET FOR CALCULATING EFFECTIVE SPECIFIC GRAVITY OF AGGREGATE (G_{se})

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

(P_{mm}) Total Loose Mixture, Percent by Total Weight of Mixture = 100 Percent

(P_b) Asphalt, Percent by Total Weight of Mixture = _____

(G_{mm}) Maximum Specific Gravity of Paving Mixture (No Air Voids) AASHTO T-209 = _____

(G_b) Specific Gravity of Asphalt = _____

(G_{se}) Effective Specific Gravity of Aggregate Using $P_{mm} = 100$ Becomes:

$$G_{se} = \frac{100 - P_b}{\frac{100}{G_{mm}} - \frac{P_b}{G_b}} = \underline{\hspace{2cm}}$$

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