

WEST VIRGINIA DIVISION OF HIGHWAYS

WORKSHEET FOR CALCULATING EFFECTIVE ASPHALT CONTENT OF MIX (P_{be})

Absorbed Asphalt, Percent by Mass of Aggregate (P_{ba})

$$P_{ba} = 100 \times \left(\frac{G_{se} - G_{sb}}{G_{sb} \times G_{se}} \right) \times G_b$$

(G_{se})	Effective Specific Gravity of Aggregate	=	_____
(G_{sb})	Bulk Specific Gravity of Aggregate	=	_____
(G_b)	Specific Gravity of Asphalt	=	_____
	P_{ba}	=	_____

Effective Asphalt Content of Mix (P_{be})

$$P_{be} = P_b - \left(\frac{P_{ba}}{100} \times P_s \right)$$

(P_b)	Asphalt Content, Percent by Total Mass of Mix	=	_____
(P_{ba})	Absorbed Asphalt, Percent by Mass of Aggregate	=	_____
(P_s)	Aggregate Content, Percent by Total Mass of Mix	=	_____
	P_{be}	=	_____

Note: Report the following values to the nearest thousandth (0.001):
 G_{se} , G_{sb} , and G_b
Report the following values to the nearest tenth (0.1):
 P_b , P_{ba} , P_s , and P_{be}