

**State of Nevada  
Department of Transportation  
Materials Division**

**METHOD OF TEST TO DETERMINE THE DUST TO ASPHALT RATIO IN BITUMINOUS MIXTURES**

**SCOPE**

This method covers the calculations to determine the dust to asphalt ratio.

**CALCULATION**

The dust to asphalt ratio in a bituminous mix is the ratio of the material passing the No. 200 sieve to the bitumen ratio. The method of calculations is as follows:

$$\text{Dust to Asphalt Ratio} = \frac{F}{P_b}$$

where: F = Percentage of Aggregate passing the No. 200 sieve  
P<sub>b</sub> = Percentage of asphalt by dry weight of aggregate