**WEST VIRGINIA DIVISION OF HIGHWAYS**

**WORKSHEET FOR CALCULATING BULK SPECIFIC GRAVITY AND ABSORPTION OF FINE AGGREGATE**

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**FINE AGGREGATE**

(RECORD WEIGHTS TO THE NEAREST 0.1 GRAMS)

- **A** = Weight of oven-dry sample in air
- **B** = Weight of flask filled to calibration mark with distilled water
- **C** = Weight of flask, sample, and water to calibration mark
- **D** = Weight of saturated-surface-dry sample in air

**Bulk Specific Gravity (Oven-dry Basis)** = \( \frac{A}{B + D - C} \)

**Apparent Specific Gravity** = \( \frac{A}{B + A - C} \)

**Absorption, percent** = \( \frac{D - A}{A} \times 100 \)

**Note:** Report the following values to the nearest thousandth (0.001):
- Bulk and Apparent Specific Gravities
- Report % Absorption to the nearest hundredth (0.01)