Design Package
Attachment #13
01-07

**WEST VIRGINIA DIVISION OF HIGHWAYS**

**FINE AGGREGATE ANGULARITY**

**AASHTO T-304 (Method A)**

Type of Mix: _____

Design ESAL's: _____

Testing Laboratory: _____

Technician: _____

Date: _____

## CALIBRATION OF FINE AGGREGATE ANGULARITY MEASURE

| | | | |
|---|---|---|---|
| A. | Mass of Measure, Glass, Grease, and Distilled Water (18 - 24°C) | (nearest 0.1 g) | |
| B. | Mass of Measure, Glass, and Grease | (nearest 0.1 g) | |
| C. | Mass of Water in Measure (A - B) | (nearest 0.1 g) | |
| D. | Temperature of Water | (nearest 0.2°C) | |
| E. | Density of Water at Temperature D (from AASHTO T19 Tables) | $Kg/m^3$ | |
| F. | Volume of Measure 1000 x (C ÷ E) | (nearest 0.1 mL) | |

## FINE AGGREGATE ANGULARITY TEST

| | | | 1st Trial | 2nd Trial |
|---|---|---|---|---|
| G. | Mass of Measure and Aggregate | (nearest 0.1 g) | | |
| H. | Mass of Measure | (nearest 0.1 g) | | |
| J. | Mass of Aggregate (G - H) | (nearest 0.1 g) | | |
| K. | Oven Dry Specific Gravity | | | |
| L. | Volume of Measure (F) | (nearest 0.1 mL) | | |
| M. | Uncompacted Voids | (nearest 0.1%) | | |
| N. | Average Uncompacted Voids | (nearest 1%) | | |

$M = ((L - (J \div K)) \div L) \times 100$

$N = (M_{1st} + M_{2nd}) \div 2$

Fine Aggregate Angularity Requirement: _____

Meets Specification Requirement (Y/N): _____