

**WEST VIRGINIA DIVISION OF HIGHWAYS**  
**CONTROL STRIP CORE DENSITIES AND NUCLEAR GAUGE CORRECTION FACTOR**  
**CORE DENSITY TESTED USING THE PARAFFIN-COATED METHOD (AASHTO T275)**

Laboratory # \_\_\_\_\_ Proj./Auth. Number \_\_\_\_\_ Mix Type \_\_\_\_\_ Target Density (M) \_\_\_\_\_  
 Technician \_\_\_\_\_ Mix Design # \_\_\_\_\_ Date \_\_\_\_\_ Paraffin Specific Gravity (F) \_\_\_\_\_

Test Location Number	Offset	Dry Specimen Wt. (A)	Dry Specimen + Paraffin Wt. (D)	Specimen + Paraffin in Water (E)	Spec. Gravity (G) $\frac{A}{D - E - \left[ \frac{D - A}{F} \right]}$	Density (kg/m <sup>3</sup> ) = G x 1000 (H)	Nuclear Gauge Reading (kg/m <sup>3</sup> ) (J)	Difference = H - J (±) *
Average Density =						K	L	

Total Number of Cores Used for Correction Factor  Correction Factor = Average Difference (kg/m<sup>3</sup>) = K - L

Contractor Gauge  Division Gauge   
 Control Strip Density from cores =  (K X 100) / M =  % Pass/Fail

\* Note that this average may be based on values that are both positive and negative numbers.

Attach this form to T-426, Control Strip Density Gauge Readings. Both forms will use the same laboratory number and represent the control strip density.