T427-B
04-08

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^3) = G x 1000 (H)	Nuclear Gauge Reading (kg/m^3) (J)	Difference = H - J (±) *
				Average Density =		K	L	

Total Number of Cores Used for Correction Factor [ ]

Correction Factor = Average Difference (kg/m^3) = 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.