

**VIRGINIA DEPARTMENT OF TRANSPORTATION
ASPHALT NUCLEAR DENSITY WORKSHEET
ROLLER PATTERN/SAWN PLUGS & CONTROL STRIP TARGET DENSITY**

Control Strip No _____

Schedule _____ Item No _____ Date _____

Route _____ From _____ To _____

Lane Direction _____ Lane _____
(NBL, SBL, etc.) (Inside, Center, etc.)

Mix Type _____ Application Rate _____ lbs/yd² _____ (kg/m²)

Lot No _____ Width of Application _____ Lot Length _____ ft (m)

Mix Producer _____ Plant Location _____

NUCLEAR CALIBRATION CHECK											
	A	B	C	D	E	F		G		H	
Sawed Spec. Number	Weight in Air (g)	Weight in Water (Total g)	Basket Tare Weight (g)	Weight in Water (g) B - C	SSD Weight In Air (g)	Volume E-D	SSD Bulk Specific Gravity $A \div F$	Average SSD Bulk Per Site	Sawed Specimen Thickness In. (mm)	Target Test Site Nuclear (from TL-58)	
1											1
2											2
											3
3											4
											5
4											6
											7
5											8
											9
6											10

Average

(Sum of G/3)

(Sum of H/10)

Max Specific Gravity (Gmm)

A Sawed Specimen Average % Density

%

(avg. SSD Bulk Sp. Gr. /GMM)

B Minimum Design Density (Table III – 3 of sec. 315)

%

*(A must equal or exceed B)

C Target Nuclear Density

lb/ft³

(Average from H)

Gauge Model _____ Serial Number _____ Calibration Date _____ Depth Setting _____ in (_____ mm)

Testing Performed by _____ Observed by _____