

**North Carolina Department of Transportation
Division of Highways
Density Gauge Test Section**

M&T - 516 QC
Rev. 11/11

Contract/Project No. _____ Date _____ Division _____ Crew No. _____ Control Strip No. _____

Map/Route No. _____ Contractor _____ J.M.F. _____ - _____ - _____ Type Material _____

Layer _____ Gauge Serial No. _____ Standard Counts (nuclear gauge only) Sys1 _____ Sys2 _____

Core Sample Avg. _____ % Avg. of gauge readings _____ PCF Correlated Target Density _____ PCF

Interim Density Calculated Target: 62.4 PCF x _____ = _____ Gmm _____ Calculated Target PCF

Test Sect. No.		Begin Sta.		End Sta.		Length: /5 =			Increments	
Random No.		Increments		Random (calc.)		Test Site Location			Density Readings	
Length	Width	Length	Width	Length	Width	Station	Offset	Lane	PCF	%
A	B	C	D	A x C =	B x D =	-----	-----	-----	-----	-----
Comments:								Test Section Average		
									Pass	Fail

Test Sect. No.		Begin Sta.		End Sta.		Length: /5 =			Increments	
Random No.		Increments		Random (calc.)		Test Site Location			Density Readings	
Length	Width	Length	Width	Length	Width	Station	Offset	Lane	PCF	%
A	B	C	D	A x C =	B x D =	-----	-----	-----	-----	-----
Comments:								Test Section Average		
									Pass	Fail

Test Sect. No.		Begin Sta.		End Sta.		Length: /5 =			Increments	
Random No.		Increments		Random (calc.)		Test Site Location			Density Readings	
Length	Width	Length	Width	Length	Width	Station	Offset	Lane	PCF	%
A	B	C	D	A x C =	B x D =	-----	-----	-----	-----	-----
Comments:								Test Section Average		
									Pass	Fail

At end of production for the day, calculate lot average by averaging test section results: Daily Lot Average _____ % Pass / Fail

*Print Name Legibly w/HiCAMs No. _____

*QC Technician Signature: _____

Note: (1) All failing lots must be documented by Resident Engineer on the QA-2B form. Contractor must be notified by letter of any pay adjustment or pavement removal.

*By providing this data under my signature and/or HiCAMs certification number, I attest to the accuracy and validity of the data contained on this form and certify that no deliberate misrepresentation of test results, in any manner, has occurred.

cc: Resident Engineer [White]
QC Technician [Gold]