NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
CONTROL STRIP DENSITY

Date: _____

Contract/Project No. _____ County _____ Control Strip No._____

From Sta. _____ to Sta. _____ Lane _____

Layer _____ Depth _____ Width _____ Route _____ Job Mix Formula _____

Gauge Serial No. _____ Material _____ Crew No. _____

STANDARD COUNTS	**ASPHALT CORE SAMPLES**
Density	**Core No.** **Sta.** **%Compaction**
_____ System 1	_____ _____ _____%
_____System 2	_____ _____ _____%
Allowable Standard Count Range	_____ _____ _____%
_____ +1.0% System 1 - 1.0% _____	_____ _____ _____%
_____ +1.2% System 2 - 1.2% _____	_____ _____ _____%
	Avg. % Compaction _____% (A)

Test	**Station**	**ASPHALT (Wet Density)**
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
7	_____	_____
8	_____	_____
9	_____	_____
10	_____	_____

AVG. (PCF) _____ (B)

ASPHALT TARGET DENSITY

Average of Control Strip (PCF) ÷ Average of Cores (B÷A) 100 = _____ (C) Target Density (PCF)
A = Core Sample Average B = Average PCF of Control Strip C = Correlated Target Density

cc: *Resident Engineer [White] *QA Copy Only
QA/QC Technician [Gold]

Print Name Legibly w/ HiCAMS #:_____

QA/QC Technician Signature:_____

NOTE: 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.

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 ______________ = ______________________Calculated Target PCF
Gmm

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]

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

M&T – 515 QA
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 _____ = _____Calculated Target PCF
Gmm

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
QC Test Average (%)		Within Limits of Precision	
		Yes	No

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
QC Test Average (%)		Within Limits of Precision	
		Yes	No

*Print Name Legibly w/HiCAMs No. _____

*QA Technician Signature: _____

*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]
QA Technician [Gold]