NorthEast Transportation Training & Certification Program

HMA Pavement Thickness and Compaction Test Report (D 3549, T 166, T 230, T 269)

Date/Time:		Lab/Location:			
Weather:		Date Rec'd #:		Random Sample:	Yes No
Project:		Lab Login #:		Lot #:	
Contract #:		Material ID:		Sublot #:	
Contractor:		Material #:		Sample Location:	
Pay Item #:		Sample #:		Station:	
Source:		Sample Type:	QC A-V IA DR Other	Offset:	
Plant Type:		Sampled By/Cert. #:			

Core Identification Information					
Sample #:					
Lot #:					
Sublot #:					
Station:					
Offset:					

Thickness Determination (D 3549)					
Measured Core	Thickness, in.:				
Target	Thickness, in.:				

Bulk Specific Gravity of Compacted HMA (T 166)					
Test Specimen Thickness, in.:					
Mass of Dry Specimen in Air (A):					
Mass of Specimen at SSD (B):					
Mass of Specimen in Water (C):	(@ 77 +/- 1.8 ºF)				
Specimen Volume (V):	(B-C)				
Core Bulk Specific Gravity (G_{mbc}):	(A / (B - C))				
Unit Weight, lb/ft³:	(G_{mbc} * 1000)				

Percent Compaction and Percent Air Voids in HMA (T 230, T 269)					
Theoretical Maximum Specific Gravity (G_{mm}):	(From T 209)				
% Compaction of G_{mm}:	(G_{mbc} / G_{mm}) * 10(				
Percent Voids in Place (P_a):	(100 * ((G_{mm} - G_{mbc}) / G_{mm}))				

Comments:			
Tested by:		Reviewed by:	
Certification #:		Certification #:	
Date:		Date:	

Results Within Specification Limits: ☐ Results Outside Specification Limits: ☐