

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: September 30, 2020		Location: Tilcon - North Branford, CT	
Weather: Clear	Date Rec'd #: 9/30/2020	Random Sample: No <input type="checkbox"/>	
Project: Durham Meadows Waterline - Durham, CT		Lab Login #: -	Lot #: -
Report #: 19-75-012-108C	Material ID: S 1.0"		Sublot #: -
Contractor: Ludlow Construction Co., Inc.		Material #: -	Sample Location: See Below
Pay Item #: -	Sample #: -		Station: See Below
Source: Tilcon - North Branford, CT		Sample Type: QC <input type="checkbox"/>	Offset: See Below
Plant Type: Drum		Sampled By/Cert. #: David Briggs/ #4498	

Density Gauge Information			
Make:	Trans Tech	Date of Calibration:	On File
Model #:	PQI 301	Source of Calibration:	Trans Tech
Serial #:	3052	Standard Count:	-
Gauge #:	3052	Duration of Test:	3.0 seconds
Other:	-	Thickness of Lift Tested:	3.5"

Density of HMA in Place by Nuclear Method (D 2950)							
Sublot #	Station	Offset	Time	Random (Y/N)	(B) Max Theor. Density (From T 209)	(A) In-Place Density, kg / m ³	% Compaction (A/B * 100)
-	140+50	1	-	-	167.8	156.3	94.4
-	140+75	3	-	-	167.8	162.1	95.4
-	141+00	6	-	-	167.8	160.6	96.3
-	141+25	3	-	-	167.8	158.8	94.6
-	141+50	1	-	-	167.8	160.3	95.5
-	141+75	3	-	-	167.8	156.7	93.4
-	142+00	6	-	-	167.8	158.7	94.6
-	142+25	3	-	-	167.8	157.0	93.6
-	142+50	1	-	-	167.8	156.9	93.5
-	142+75	3	-	-	167.8	156.0	93.0
-	140+50	6	-	-	167.8	157.7	94.0
-	140+75	3	-	-	167.8	156.7	93.4
-	141+00	1	-	-	167.8	157.9	94.1
-	141+25	3	-	-	167.8	158.2	94.3
-	141+50	6	-	-	167.8	156.0	93.0
-	141+75	3	-	-	167.8	156.5	93.3
-	142+00	1	-	-	167.8	159.5	95.1
-	142+25	3	-	-	167.8	157.3	93.7
-	142+50	1	-	-	167.8	155.7	92.8
-	142+75	5	-	-	167.8	156.4	93.2

Comments: Arrived on site at 9:30 am, both 3.5" lifts were with 1.0" mix from Tilcon North Branford, CT with a GMM of 2.690
 Max is historical from Tilcon
 Asphalt was put into the paver with an excavator. Light rain around noon

Tested by: David Briggs		Reviewed by: Nicholas Lisowski	
Certification #: 4498		Certification #: 3139	
Date: 9/30/2020		Date: 10/6/2020	
Test Results Within Engineering Limits:		YES <input type="checkbox"/>	NO <input type="checkbox"/>