

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: September 15, 2020		Location: Tilcon, CT	
Weather: Sunny	Date Rec'd #: 9/15/2020	Random Sample: No	
Project: Durham Meadows Waterline - Durham, CT	Lab Login #: -	Lot #: -	
Report #: 19-75-012-100	Material ID: SP 1.0"	Sublot #: -	
Contractor: Ludlow Construction Co., Inc.	Material #: -	Sample Location: First & Second Lift	
Pay Item #: -	Sample #: -	Station: See Below	
Source: Tilcon, CT	Sample Type: QC	Offset: See Below	
Plant Type: -	Sampled By/Cert. #: David Briggs/ #4498		

Density Gauge Information			
Make:	Trans Tech	Date of Calibration:	On File
Model #:	PQI 301	Source of Calibration:	Manufacturer
Serial #:	3052	Standard Count:	N/A
Gauge #:	3052	Duration of Test:	3 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)
	102+00	6	-	-	167.9	157.6	93.9
	102+25	3	-	-	167.9	157.2	93.6
	102+50	5	-	-	167.9	157	93.5
	102+75	7	-	-	167.9	156.6	93.3
	103+00	5	-	-	167.9	157.1	93.6
	103+25	3	-	-	167.9	156.4	93.2
	103+50	1	-	-	167.9	159.5	95.0
	103+75	3	-	-	167.9	158.8	94.6
	104+00	5	-	-	167.9	160.2	95.4
	102+00	7	-	-	167.9	157.2	93.6
	102+25	5	-	-	167.9	155.4	92.6
	102+50	3	-	-	167.9	157.4	93.7
	102+75	1	-	-	167.9	155.9	92.9
	103+00	3	-	-	167.9	157.5	93.8
	103+25	5	-	-	167.9	157.2	93.6
	103+50	3	-	-	167.9	158	94.1
	103+75	1	-	-	167.9	156	92.9
	104+00	3	-	-	167.9	157.7	93.9

Comments: Arrived on site at 9:30 AM
 Three lifts were placed in the trench, in 3.5" 3.5" and 2"
 Both 3.5" lifts were with 1" mix from Tilcon North Branford with a GMM of 2.690
 The 2" lift was done with .5" mix from Tilcon Wallingford with a GMM of 2.640
 Asphalt was put into the paver with an excavator
 Paver sat twice waiting for trucks for up to 30 min
 Ends were placed by hand

Tested by: David Briggs	Reviewed by: Nicholas Lisowski
Certification #: 4498	Certification #: 3139
Date: 9/15/2020	Date: 9/23/2020
Test Results Within Engineering Limits:	YES <input type="checkbox"/> NO <input type="checkbox"/>

