

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: October 1, 2020		Location: Tilcon - North Branford/ Wallingford, CT	
Weather: Clear	Date Rec'd #: 10/1/2020	Random Sample: No <input type="checkbox"/>	
Project: Durham Meadows Waterline - Durham, CT		Lab Login #: -	Lot #: -
Contract #: 19-75-012-109		Material ID: S1.0"	Sublot #: -
Contractor: Ludlow Construction Co., Inc.		Material #: -	Sample Location: See Below
Pay Item #: -		Sample #: -	Station: See Below
Source: Tilcon - North Branford/ Wallingford, 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)
-	143+00	1.0'	-	-	167.8	160.1	94.4
-	143+25	3.0'	-	-	167.8	156.1	95.4
-	143+50	6.0'	-	-	167.8	156.9	96.3
-	143+75	3.0'	-	-	167.8	157.1	93.6
-	144+00	1.0'	-	-	167.8	157.5	93.9
-	144+25	3.0'	-	-	167.8	156.9	93.5
-	144+50	6.0'	-	-	167.8	157.2	93.7
-	144+75	3.0'	-	-	167.8	157.5	93.9
-	145+00	1.0'	-	-	167.8	156.5	93.3
-	145+25	3.0'	-	-	167.8	156.4	93.2
-	145+50	6.0'	-	-	167.8	156.8	93.4
-	145+75	3.0'	-	-	167.8	156.5	93.3
-	156+00	1.0'	-	-	167.8	157.3	93.7
-	143+00	3.0'	-	-	167.8	161.9	96.5
-	143+25	6.0'	-	-	167.8	159.5	95.1
-	143+50	3.0'	-	-	167.8	157.5	93.9
-	143+75	1.0'	-	-	167.8	161.6	96.3

Comments: Arrived on site at 9:30 am
 Both 3.5" lifts were with 1" mix from Tilcon - North Branford, CT with a GMM of 2.690
 Asphalt was put into the paver with an excavator
 Max is historical from Tilcon

Tested by: David Briggs		Reviewed by: Nicholas Lisowski	
Certification #: 4498		Certification #: 3139	
Date: 10/1/2020		Date: 10/6/2020	

Test Results Within Engineering Limits: YES NO

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-	145+75	6.0'	-	-	167.8	158.3	94.3
-	146+00	3.0'	-	-	167.8	156.3	93.1

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