

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: September 16, 2020		Location: Tilton, CT	
Weather: Sunny	Date Rec'd #: 9/16/2020	Random Sample: No	
Project: Durham Meadows Waterline - Durham, CT		Lab Login #: -	Lot #: -
Contract #: 19-75-012-101	Material ID: SP 1.0"	Sublot #: -	
Contractor: Ludlow Construction Co., Inc.		Material #: -	Sample Location: First & Second Lift
Pay Item #: -	Sample #: -	Station: See Below	
Source: Tilton, 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)
	104+75	1	-	-	167.9	157.2	93.6
	105+00	3	-	-	167.9	158.7	94.5
	105+25	6	-	-	167.9	152.9	91.1
	105+50	3	-	-	167.9	155.4	92.6
	105+75	6	-	-	167.9	157.4	93.7
	106+00	1	-	-	167.9	156.9	93.4
	106+25	3	-	-	167.9	156.2	93.0
	106+50	6	-	-	167.9	157.5	93.8
	106+75	3	-	-	167.9	157.7	93.9
	107+00	1	-	-	167.9	157	93.5
	107+25	3	-	-	167.9	155.7	92.7
	107+50	6	-	-	167.9	156.2	93.0
	107+75	3	-	-	167.9	157.3	93.7
	108+00	1	-	-	167.9	156.2	93.0
	104+75	3	-	-	167.9	156.2	93.0
	105	1	-	-	167.9	157.3	93.7
	105+25	3	-	-	167.9	158	94.1
	105+50	6	-	-	167.9	157.4	93.7

Comments: Arrived on site at 9:30 AM
 Three lifts were put in the trench, in 3.5" 3.5" and 2"
 Both 3.5" lifts were with 1" mix from Tilton North Branford with a GMM of 2.690
 The 2" lift was done with .5" mix from Tilton 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 hand worked

Tested by: David Briggs		Reviewed by: Nicholas Lisowski	
Certification #: 4498		Certification #: 3139	
Date: 9/16/2020		Date: 9/23/2020	
Test Results Within Engineering Limits:		YES <input type="checkbox"/>	NO <input type="checkbox"/>

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HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: September 16, 2020		Location: Tilcon, CT	
Weather: Sunny	Date Rec'd #: 9/16/2020	Random Sample: No	
Project: Durham Meadows Waterline - Durham, CT		Lab Login #: -	Lot #: -
Contract #: 19-75-012-101	Material ID: SP 0.5"	Sublot #: -	
Contractor: Ludlow Construction Co., Inc.		Material #: -	Sample Location: Third 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:	2.0"

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)
-	107+25	3	-	-	167.9	157	93.5
-	107+50	6	-	-	167.9	158	94.1
-	107+75	3	-	-	167.9	157.1	93.6
-	108+00	1	-	-	167.9	155.7	92.7
-	104+75	6	-	-	164.7	153.1	93.0
-	105+00	3	-	-	164.7	152.8	92.8
-	105+25	1	-	-	164.7	152.4	92.5
-	105+50	3	-	-	164.7	152.5	92.6
-	105+75	6	-	-	164.7	153.5	93.2
-	106+00	3	-	-	164.7	152.4	92.5
-	106+25	1	-	-	164.7	153.9	93.4
-	106+50	3	-	-	164.7	155	94.1
-	106+75	6	-	-	164.7	155.9	94.7
-	107+00	3	-	-	164.7	155.2	94.2
-	107+25	1	-	-	164.7	154.9	94.0
-	107+50	3	-	-	164.7	153.1	93.0
-	107+75	6	-	-	164.7	155	94.1
-	108+00	3	-	-	164.7	153.5	93.2

Comments: Arrived on site at 9:30 AM
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