

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: October 5, 2020		Location: Tilcon - North Branford, CT	
Weather: Partly Cloudy	Date Rec'd #: 10/5/2020	Random Sample: No ▼	
Project: Durham Meadows Waterline - Durham, CT	Lab Login #: -	Lot #: -	
Report #: 19-75-012-111	Material ID: SP 1.0"	Sublot #: -	
Contractor: Ludlow Construction Co., Inc.	Material #: -	Sample Location: First Lift	
Pay Item #: -	Sample #: -	Station: See Below	
Source: Tilcon - North Branford, CT	Sample Type: QC ▼	Offset: See Below	
Plant Type: -	Sampled By/Cert. #: Hunter Davis		

Density Gauge Information			
Make:	Troxler	Date of Calibration:	7/1/2020
Model #:	3430	Source of Calibration:	Q/C Resource
Serial #:	29806	Standard Count:	-
Gauge #:	29806	Duration of Test:	15 Seconds
Other:	-	Thickness of Lift Tested:	3.0"

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)
-	148+75	-	12:21 PM	N	167.2	156.6	94.4
-	149+00	-	12:22 PM	N	167.2	158.0	95.4
-	149+25	-	12:22 PM	N	167.2	158.5	96.3
-	149+50	-	12:25 PM	N	167.2	156.6	93.7
-	149+75	-	12:26 PM	N	167.2	166.9	99.8
-	150+00	-	12:27 PM	N	167.2	161.6	96.7
-	150+25	-	12:32 PM	N	167.2	154.5	92.4
-	150+50	-	12:35 PM	N	167.2	156.5	93.6
-	150+75	-	12:35 PM	N	167.2	168.5	100.8
-	151+00	-	12:36 PM	N	167.2	158.8	95.0
-	151+25	-	12:37 PM	N	167.2	166.9	99.8
-	148+75	-	1:15 PM	N	167.2	168.3	100.7
-	149+00	-	1:15 PM	N	167.2	168.6	100.8
-	149+25	-	1:15 PM	N	167.2	159.5	95.4
-	149+50	-	1:15 PM	N	167.2	158.4	94.7
-	149+75	-	1:27 PM	N	167.2	171.5	102.6
-	150+00	-	1:29 PM	N	167.2	170.5	102.0
-	150+25	-	1:30 PM	N	167.2	164.4	98.3

Comments:

Tested by: Hunter Davis	Reviewed by: -
Certification #: -	Certification #: -
Date: 10/5/2020	Date: -
Test Results Within Engineering Limits:	YES <input type="checkbox"/> NO <input type="checkbox"/>

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HMA Field Temperatures Test Report (Sub-Base, Air, Mix)

Date/Time: October 5, 2020		Location: Tilcon - North Branford, CT	
Weather: Partly Cloudy	Date Rec'd #: 10/5/2020	Random Sample: No	<input type="checkbox"/>
Project: Durham Meadows Waterline	Lab Login #: -	Lot #: -	
Report #: 19-75-012-111	Material ID: -	Sublot #: -	
Contractor: Ludlow Construction Co., Inc.	Material #: -	Sample Location: First Lift	
Pay Item #: -	Sample #: -	Station: See Below	
Source: Tilcon - North Branford, CT	Sample Type: QC	Offset: See Below	
Plant Type: -	Sampled By/Cert. #: Hunter Davis		

Temperature Reference Information			
Weather:	Partly Cloudy	Sub Base Temperature, °F (BT):	73°F
Thermometer Type:	Infrared Temp Gun	Air Temperature High, °F (ATH):	79°F
Calibration Source:	Manufacturer	Air Temperature Low, °F (ATL):	54°F
Calibration Date:			

HMA Field Temperature Measurements							
Sublot #	Station	Offset	Time	Mat Thickness (inches)	Random (Y/N)	Location	Mix Temp, °F (MT)
-	148+75	-	12:21	3.0	N	-	272°F
-	149+00	-	12:22	3.0	N	-	272°F
-	149+25	-	12:22	3.0	N	-	272°F
-	149+50	-	12:25	3.0	N	-	272°F
-	149+75	-	12:26	3.0	N	-	272°F
-	150+00	-	12:27	3.0	N	-	272°F
-	150+25	-	12:32	3.0	N	-	272°F
-	150+50	-	12:35	3.0	N	-	272°F
-	150+75	-	12:35	3.0	N	-	272°F
-	151+00	-	12:36	3.0	N	-	272°F
-	151+25	-	12:37	3.0	N	-	272°F
-	148+75	-	13:15	3.0	N	-	298°F
-	149+00	-	13:15	3.0	N	-	298°F
-	149+25	-	13:15	3.0	N	-	298°F
-	149+50	-	13:25	3.0	N	-	298°F
-	149+75	-	13:27	3.0	N	-	298°F
-	150+00	-	13:29	3.0	N	-	298°F
-	150+25	-	13:30	3.0	N	-	298°F

Comments:

Tested by: Hunter Davis	Reviewed by: -
Certification #: -	Certification #: -
Date: 10/5/2020	Date: -
Test Results Within Engineering Limits:	YES <input type="checkbox"/> NO <input type="checkbox"/>

