

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: September 28, 2020		Location: Tilcon - North Branford, CT	
Weather: Partly Cloudy	Date Rec'd #: 9/28/2020	Random Sample: No ▼	
Project: Durham Meadows Waterline - Durham, CT	Lab Login #: -	Lot #: -	
Report #: 19-75-012-108A	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:	4/1/2020
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)
-	136+75	-	11:45 AM	N	167.2	152.6	94.4
-	136+50	-	11:50 AM	N	167.2	156.1	95.4
-	136+25	-	12:00 PM	N	167.2	155.2	96.3
-	136+00	-	12:15 PM	N	167.2	156.4	93.5
-	135+75	-	12:20 PM	N	167.2	156.7	93.7
-	135+50	-	12:35 PM	N	167.2	161.0	96.3
-	135+25	-	12:40 PM	N	167.2	159.2	95.2
-	135+00	-	12:45 PM	N	167.2	155.9	93.2
-	134+75	-	12:50 PM	N	167.2	158.6	94.9
-	134+50	-	1:15 PM	N	167.2	157.9	94.4
-	134+25	-	1:20 PM	N	167.2	157.7	94.3
-	134+00	-	1:25 PM	N	167.2	159.2	95.2
-	133+75	-	1:30 PM	N	167.2	154.2	92.2
-	136+75	-	2:15 PM	N	167.2	156.6	93.7
-	136+50	-	2:20 PM	N	167.2	160.2	95.8
-	136+25	-	2:25 PM	N	167.2	159.8	95.6
-	136+00	-	2:35 PM	N	167.2	162.1	96.9
-	135+75	-	2:40 PM	N	167.2	156.2	93.4

Comments:

Tested by: Hunter Davis	Reviewed by: -
Certification #: -	Certification #: -
Date: 9/28/2020	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: September 28, 2020		Location: Tilcon - North Branford, CT	
Weather: Sunny	Date Rec'd #: 9/28/2020	Random Sample: No	▼
Project: Durham Meadows Waterline	Lab Login #: -	Lot #: -	
Report #: 19-75-012-108A	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	▼	
Plant Type: -		Offset: See Below	
Sampled By/Cert. #: Hunter Davis			

Temperature Reference Information			
Weather:	Sunny	Sub Base Temperature, °F (BT):	77°F
Thermometer Type:	Infrared Temp Gun	Air Temperature High, °F (ATH):	75°F
Calibration Source:	Manufacturer	Air Temperature Low, °F (ATL):	68°F
Calibration Date:			

HMA Field Temperature Measurements							
Sublot #	Station	Offset	Time	Mat Thickness (inches)	Random (Y/N)	Location	Mix Temp, °F (MT)
-	136+75	-	11:45 AM	3.0	N	-	282°F
-	136+50	-	11:50 AM	3.0	N	-	282°F
-	136+25	-	12:00 PM	3.0	N	-	282°F
-	136+00	-	12:15 PM	3.0	N	-	282°F
-	135+75	-	12:20 PM	3.0	N	-	282°F
-	135+50	-	12:35 PM	3.0	N	-	304°F
-	135+25	-	12:40 PM	3.0	N	-	304°F
-	135+00	-	12:45 PM	3.0	N	-	304°F
-	134+75	-	12:50 PM	3.0	N	-	304°F
-	134+50	-	1:15 PM	3.0	N	-	304°F
-	134+25	-	1:20 PM	3.0	N	-	304°F
-	134+00	-	1:25 PM	3.0	N	-	295°F
-	133+75	-	1:30 PM	3.0	N	-	295°F
-	136+75	-	2:15 PM	3.0	N	-	295°F
-	136+50	-	2:20 PM	3.0	N	-	295°F
-	136+25	-	2:25 PM	3.0	N	-	295°F
-	136+00	-	2:35 PM	3.0	N	-	295°F
-	135+75	-	2:40 PM	3.0	N	-	295°F

Comments:

Tested by: Hunter Davis	Reviewed by: -
Certification #: -	Certification #: -
Date: 9/28/2020	Date: -
Test Results Within Engineering Limits:	YES <input type="checkbox"/> NO <input type="checkbox"/>

