

NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time: September 29, 2020		Location: Tilcon - North Branford, CT	
Weather: Clear	Date Rec'd #: 9/29/2020	Random Sample: No ▼	
Project: Durham Meadows Waterline - Durham, CT	Lab Login #: -	Lot #: -	
Report #: 19-75-012-108B	Material ID: SP 0.5", LVL 2	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. #: Nicholas Gaucher/ #4495		

Density Gauge Information			
Make:	Trans Tech	Date of Calibration:	On File
Model #:	PQI 301	Source of Calibration:	Trans Tech
Serial #:	-	Standard Count:	-
Gauge #:	-	Duration of Test:	3 seconds
Other:	-	Thickness of Lift Tested:	-

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)
-	137+00	-	-	N	167.2	158.5	94.6
-	137+25	-	-	N	167.2	157.8	95.3
-	137+50	-	-	N	167.2	159.5	95.1
-	137+75	-	-	N	167.2	158.7	94.9
-	138+00	-	-	N	167.2	158.8	95.0
-	138+25	-	-	N	167.2	155.3	92.9
-	138+50	-	-	N	167.2	155.8	93.2
-	138+75	-	-	N	167.2	156.3	93.5
-	139+00	-	-	N	167.2	156.5	93.6
-	139+25	-	-	N	167.2	155.5	93.0
-	139+50	-	-	N	167.2	155.8	93.2
-	139+75	-	-	N	167.2	157.0	93.9
-	140+00	-	-	N	167.2	157.2	94.0
-	140+25	-	-	N	167.2	157.0	93.9

Comments: Repair of a utility cut, the first two lifts were checked. This is the first 3.0" lift.
 Temperatures were monitored at the truck during the time of placement and were within the specified range.

Tested by: Nicholas Gaucher	Reviewed by: -
Certification #: 4495	Certification #: -
Date: 9/29/2020	Date: -
Test Results Within Engineering Limits:	YES <input type="checkbox"/> NO <input type="checkbox"/>

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Date/Time: September 29, 2020		Location: Tilcon - North Branford, CT	
Weather: Clear	Date Rec'd #: 9/29/2020	Random Sample: No ▼	
Project: Durham Meadows Waterline - Durham, CT	Lab Login #: -	Lot #: -	
Report #: 19-75-012-108B	Material ID: SP 0.5", LVL 2	Sublot #: -	
Contractor: Ludlow Construction Co., Inc.	Material #: -	Sample Location: Second Lift	
Pay Item #: -	Sample #: -	Station: See Below	
Source: Tilcon - North Branford, CT	Sample Type: QC ▼	Offset: See Below	
Plant Type: -	Sampled By/Cert. #: Nicholas Gaucher/ #4495		

Density Gauge Information			
Make:	Trans Tech	Date of Calibration:	On File
Model #:	PQI 301	Source of Calibration:	Trans Tech
Serial #:	-	Standard Count:	-
Gauge #:	-	Duration of Test:	3 seconds
Other:	-	Thickness of Lift Tested:	-

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)
-	137+00	-	-	N	167.2	156.8	94.4
-	137+25	-	-	N	167.2	156.2	95.4
-	137+50	-	-	N	167.2	157.8	96.3
-	137+75	-	-	N	167.2	157.0	93.9
-	138+00	-	-	N	167.2	156.3	93.5
-	138+25	-	-	N	167.2	157.0	93.9
-	138+50	-	-	N	167.2	157.8	94.4
-	138+75	-	-	N	167.2	157.2	94.0
-	139+00	-	-	N	167.2	157.3	94.1
-	139+25	-	-	N	167.2	157.3	94.1
-	139+50	-	-	N	167.2	157.5	94.2
-	139+75	-	-	N	167.2	158.7	94.9
-	140+00	-	-	N	167.2	158.8	95.0
-	140+25	-	-	N	167.2	158.7	94.9

Comments: Repair of a utility cut, the first two lifts were checked. This is the second 3.0" lift.
 Temperatures were monitored at the truck during the time of placement and were within the specified range.

Tested by: Nicholas Gaucher	Reviewed by: -
Certification #: 4495	Certification #: -
Date: 9/29/2020	Date: -
Test Results Within Engineering Limits:	YES <input type="checkbox"/> NO <input type="checkbox"/>