

# NorthEast Transportation Training & Certification Program

## HMA Pavement Nuclear Density Test Report (D 2950)

<b>Date/Time:</b> October 9, 2020		<b>Location:</b> Tilcon - North Branford, CT	
<b>Weather:</b> Clear	<b>Date Rec'd #:</b> 10/7/2020	<b>Random Sample:</b> No <span style="float: right;">▼</span>	
<b>Project:</b> Durham Meadows Waterline - Durham, CT	<b>Lab Login #:</b> -	<b>Lot #:</b> -	
<b>Report #:</b> 19-75-012-115	<b>Material ID:</b> SP 0.5", LVL 2	<b>Sublot #:</b> -	
<b>Contractor:</b> Ludlow Construction Co., Inc.	<b>Material #:</b> -	<b>Sample Location:</b> First Lift	
<b>Pay Item #:</b> -	<b>Sample #:</b> -	<b>Station:</b> See Below	
<b>Source:</b> Tilcon - North Branford, CT	<b>Sample Type:</b> QC <span style="float: right;">▼</span>	<b>Offset:</b> See Below	
<b>Plant Type:</b> -	<b>Sampled By/Cert. #:</b> 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 <sup>3</sup>	% Compaction (A/B * 100)
-	160+75	-	-	N	167.9	160.8	94.6
-	161+00	-	-	N	167.9	156.5	95.3
-	161+25	-	-	N	167.9	156.8	95.1
-	161+50	-	-	N	167.9	158.0	94.1
-	161+75	-	-	N	167.9	158.0	94.1
-	162+00	-	-	N	167.9	158.3	94.3
-	162+25	-	-	N	167.9	157.8	94.0
-	162+50	-	-	N	167.9	160.3	95.5
-	162+75	-	-	N	167.9	158.8	94.6
-	163+00	-	-	N	167.9	158.0	94.1
-	163+25	-	-	N	167.9	158.7	94.5
-	163+50	-	-	N	167.9	158.0	94.1
-	163+75	-	-	N	167.9	158.5	94.4

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.

<b>Tested by:</b> Nicholas Gaucher	<b>Reviewed by:</b> -
<b>Certification #:</b> 4495	<b>Certification #:</b> -
<b>Date:</b> 10/9/2020	<b>Date:</b> -
<b>Test Results Within Engineering Limits:</b>	<b>YES</b> <input type="checkbox"/> <b>NO</b> <input type="checkbox"/>

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## HMA Pavement Nuclear Density Test Report (D 2950)

<b>Date/Time:</b> October 9, 2020		<b>Location:</b> Tilcon - North Branford, CT	
<b>Weather:</b> Clear	<b>Date Rec'd #:</b> 10/7/2020	<b>Random Sample:</b> No <input type="checkbox"/>	
<b>Project:</b> Durham Meadows Waterline - Durham, CT		<b>Lab Login #:</b> -	<b>Lot #:</b> -
<b>Report #:</b> 19-75-012-115		<b>Material ID:</b> SP 0.5", LVL 2	<b>Sublot #:</b> -
<b>Contractor:</b> Ludlow Construction Co., Inc.		<b>Material #:</b> -	<b>Sample Location:</b> Second Lift
<b>Pay Item #:</b> -		<b>Sample #:</b> -	<b>Station:</b> See Below
<b>Source:</b> Tilcon - North Branford, CT		<b>Sample Type:</b> QC <input type="checkbox"/>	<b>Offset:</b> See Below
<b>Plant Type:</b> -		<b>Sampled By/Cert. #:</b> 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 <sup>3</sup>	% Compaction (A/B * 100)
-	160+75	-	-	N	167.9	162.5	94.4
-	161+00	-	-	N	167.9	157.7	95.4
-	161+25	-	-	N	167.9	157.8	96.3
-	161+50	-	-	N	167.9	161.0	95.9
-	161+75	-	-	N	167.9	158.7	94.5
-	162+00	-	-	N	167.9	156.5	93.2
-	162+25	-	-	N	167.9	156.8	93.4
-	162+50	-	-	N	167.9	156.7	93.3
-	162+75	-	-	N	167.9	156.3	93.1
-	163+00	-	-	N	167.9	158.7	94.5
-	163+25	-	-	N	167.9	158.8	94.6
-	163+50	-	-	N	167.9	159.7	95.1
-	163+75	-	-	N	167.9	158.2	94.2

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.

<b>Tested by:</b> Nicholas Gaucher		<b>Reviewed by:</b> -	
<b>Certification #:</b> 4495		<b>Certification #:</b> -	
<b>Date:</b> 10/9/2020		<b>Date:</b> -	
<b>Test Results Within Engineering Limits:</b>		YES <input type="checkbox"/> NO <input type="checkbox"/>	