NorthEast Transportation Training & Certification Program

HMA Pavement Nuclear Density Test Report (D 2950)

Date/Time:	October 2, 2020	**Location:**	Tilcon - North Branford/ Wallingford, CT
Weather:	Clear	**Date Rec'd #:**	10/2/2020
Random Sample:	No		
Project:	Durham Meadows Waterline - Durham, CT	**Lab Login #:**	-
Lot #:	-		
Contract #:	19-75-012-110	**Material ID:**	S1.0"
Sublot #:	-		
Contractor:	Ludlow Construction Co., Inc.	**Material #:**	-
Sample Location:	See Below		
Pay Item #:	-	**Sample #:**	-
Station:	See Below		
Source:	Tilcon - North Branford/ Wallingford, CT	**Sample Type:**	QC
Offset:	See Below		
Plant Type:	Drum	**Sampled By/Cert. #:**	David Briggs/ #4498

Density Gauge Information

Make:	Trans Tech	Date of Calibration:	On File
Model #:	PQI 301	Source of Calibration:	Trans Tech
Serial #:	3052	Standard Count:	-
Gauge #:	3052	Duration of Test:	3.0 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)
-	146+50	1.0'	-	-	167.8	157.0	**94.4**
-	146+75	3.0'	-	-	167.8	159.5	**95.4**
-	147+00	6.0'	-	-	167.8	159.1	**96.3**
-	147+25	3.0'	-	-	167.8	157.2	**93.7**
-	147+50	1.0'	-	-	167.8	156.0	**93.0**
-	147+75	3.0'	-	-	167.8	158.5	**94.5**
-	148+00	6.0'	-	-	167.8	155.5	**92.7**
-	148+25	3.0'	-	-	167.8	158.5	**94.5**
-	148+50	1.0'	-	-	167.8	157.4	**93.8**
-	146+50	3.0'	-	-	167.8	157.0	**93.6**
-	146+75	6.0'	-	-	167.8	159.5	**95.1**
-	147+00	3.0'	-	-	167.8	157.0	**93.6**
-	147+25	1.0'	-	-	167.8	158.4	**94.4**
-	147+50	3.0'	-	-	167.8	157.9	**94.1**
-	147+75	6.0'	-	-	167.8	156.5	**93.3**
-	148+00	3.0'	-	-	167.8	157.2	**93.7**
-	148+25	1.0'	-	-	167.8	158.4	**94.4**
	148+50	3.0'	-	-	167.8	159.5	**95.1**

Comments: Arrived on site at 9:30 am
Both 3.5" lifts were with 1" mix from Tilcon - North Branford, CT with a GMM of 2.690
Asphalt was put into the paver with an excavator
Max is historical from Tilcon

Tested by:	David Briggs	Reviewed by:	Nicholas Lisowski
Certification #:	4498	Certification #:	3139
Date:	10/2/2020	Date:	10/6/2020

Test Results Within Engineering Limits: **YES** ☐ **NO** ☐