Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland ME - 1945 Congress Street - Construction Materials Testing Services

Project Number: 16-1446

Client: Northland Enterprises LLC

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 7/10/2017 **Time Cast:** 5:40 **Date Received:** 7/11/2017

Placement Location: UNIT 3, I-STORY BUILDING; ENTIRE INTERIOR SLAB

Placement Method: PUMP

Cylinders Made By: AIDAN BOYCE

Placement Vol. (yd³): 320

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (ºF) NT **Maximum (ºF)** NT

DELIVERY INFORMATION

Admixtures: POLYMESH / MASTER GLENIUM

TEST RESULTS

Slump (in) (C-143): 5 1/2

Air Content (%) (C-231) **Air WR:** 3.4

Air Temp (ºF): 62

Conc. Temp (ºF) (C-1064): 76

Load Number: 4

Mixer Number 143

Ticket Number 403148

Cubic Yards: 10

Design (psi): **3500**

Batch 4:46

Arrive 5:10

Depart 5:35

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In)²	Date Of Test	Cure Type	**Age (days)**	Fracture Type	Load (kips)	**Strength (psi)**
923-11A	8.35	4.20	13.88	7/17/2017	Lab	**7**	5	40.8	**2940**
923-11B	8.35	4.01	12.65	8/7/2017	Lab	**28**	4	44.8	**3540**
923-11C	8.35	4.01	12.65	8/7/2017	Lab	**28**	4	49.0	**3870**
923-11D	8.35	4.00	12.59	9/4/2017	Lab	**56**	4	51.0	**4050**

Fracture Types

1 Cone both ends; 2 Cone one end w/ split; 3 Columnar; 4 Diagonal; 5 Side at top or bottom; 6 Pointed End

Remarks:

286 Portland Road, Gray, ME 04039-9586 • Tel (207) 657-2866 • Fax (207) 657-2840 • www.swcole.com