S.W.COLE ENGINEERING, INC.

Report of Concrete Compressive Strength

ASTM C-31 & C-39

Project Name: Portland Me - The Park Danforth - Construction Materials Testing Services

Project Number: 14-0065.2

Client: The Park-Danforth

Client Contract Number:

General Contractor:

Concrete Supplier: AUBURN CONCRETE

PLACEMENT INFORMATION

Date Cast: 1/11/2016 **Time Cast:** 2:08 **Date Received:** 1/12/2016

Placement Location: INTERIOR SPREAD FOOTING: C/1.7

Placement Method: CRANE BUCKET

Placement Vol. (yd³): 8

Cylinders Made By: VAN TERRELL, JR.

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) 42 **Maximum (°F)** 68

DELIVERY INFORMATION

Admixtures: MASGLENIUM MASTER AIR

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 4

Air Content (%) (C-231) **Air WR:** 5.1

Air Temp (°F): 30

Conc. Temp (°F) (C-1064): 65

Load Number: 1

Mixer Number: 150

Ticket Number 285344

Cubic Yards: 8.5

Design (psi): **3500**

Batch 1:02

Arrive 1:32

Depart 2:30

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)**
730-21A	8.45	4.02	12.72	1/18/2016	Lab	**7**	4	48.4	**3810**
730-21B	8.40	4.02	12.71	2/8/2016	Lab	**28**	4	58.6	**4610**
730-21C	8.40	4.03	12.73	2/8/2016	Lab	**28**	4	59.2	**4650**
730-21D	8.45			Hold	Lab				

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