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: 12/18/2015 **Time Cast:** 2:00 **Date Received:**

Placement Location: FOOTING: BETWEEN 2.5 LINE & 1.1 LINE ON A LINE

Placement Method: TAILGATE

Cylinders Made By: CHARLES CROMWELL

Placement Vol. (yd³): 13

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) 35 **Maximum (°F)** 66

DELIVERY INFORMATION

Admixtures: MASTER AIR
MASTER GLENIUM

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.5

Air Content (%) (C-231) **Air WR:** 6.5

Air Temp (°F): 45

Conc. Temp (°F) (C-1064): 66

Load Number: 1

Mixer Number: 94

Ticket Number 282648

Cubic Yards: 6.5

Design (psi): **3500**

Batch 12:49

Arrive 1:20

Depart 1:41

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)**
730-14A	8.20	4.01	12.60	12/25/2015	Lab	**7**	4	43.0	**3410**
730-14B	8.20	4.02	12.66	1/15/2016	Lab	**28**	4	47.8	**3780**
730-14C	8.25	4.01	12.66	1/15/2016	Lab	**28**	4	46.4	**3670**
730-14D	8.20			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:

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