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: 12/21/2015 **Time Cast:** 2:40 **Date Received:** 12/22/2015

Placement Location: FOOTING: D LINE FROM 2.5 LINE TO 1.7 LINE

Placement Method: TAILGATE

Cylinders Made By: CHARLES CROMWELL

Placement Vol. (yd³): 13

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MASTER AIR
MASTER GLENIUM

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 4.5

Air Content (%) (C-231) **Air WR:** 5.5

Air Temp (°F): 43

Conc. Temp (°F) (C-1064): 66

Load Number: 1

Mixer Number: 157

Ticket Number 282700

Cubic Yards: 6.5

Design (psi): **3500**

Batch 1:56

Arrive 2:23

Depart 2:53

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)**
730-15A	8.30	4.01	12.62	12/28/2015	Lab	**7**	4	48.8	**3870**
730-15B	8.30	4.01	12.66	1/18/2016	Lab	**28**	4	56.0	**4430**
730-15C	8.40	4.01	12.63	1/18/2016	Lab	**28**	3	55.2	**4370**
730-15D	8.35			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