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: 2/4/2016 **Time Cast:** 9:20 **Date Received:** 2/5/2016

Placement Location: WALLS: EXTERIOR WALL FROM 9 LINE TO 7.5 LINE

Placement Method: TELEBELT

Cylinders Made By: CHARLES CROMWELL

Placement Vol. (yd³): 39

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) 44 **Maximum (°F)** 79

DELIVERY INFORMATION

Admixtures: MASTER AIR
MASTER GLENIUM

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6

Air Content (%) (C-231) **Air WR:** 5.0

Air Temp (°F): 40

Conc. Temp (°F) (C-1064): 71

Load Number: 2

Mixer Number: 83

Ticket Number 259548

Cubic Yards: 10

Design (psi): **3500**

Batch 8:02

Arrive 8:30

Depart 9:17

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)**
730-25A	8.45	4.01	12.64	2/11/2016	Lab	**7**	6	46.6	**3690**
730-25B	8.50	4.02	12.67	3/3/2016	Lab	**28**	4	62.0	**4900**
730-25C	8.55	4.02	12.72	3/3/2016	Lab	**28**	5	59.4	**4670**
730-25D	8.40			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