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: 1/22/2016 **Time Cast:** 12:20 **Date Received:**

Placement Location: WALLS: EXTERIOR WALL FROM 11 LINE TO 9 LINE

Placement Method: PUMP

Cylinders Made By: CHARLES CROMWELL

Placement Vol. (yd³): 40

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

TEST RESULTS

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

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

Air Temp (°F): 30

Conc. Temp (°F) (C-1064): 57

DELIVERY INFORMATION

Admixtures: MASTER SET, MASTER AIR, MASTER GLENIUM HRWR

Load Number: 1

Mixer Number: 144

Ticket Number 285551

Cubic Yards: 10

Design (psi): **3500**

Batch 11:29

Arrive 12:00

Depart 12:37

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)**
730-23A		4.02	12.70	1/29/2016	Lab	**7**	5	46.6	**3670**
730-23B		4.01	12.64	2/19/2016	Lab	**28**	5	58.2	**4610**
730-23C		4.02	12.70	2/19/2016	Lab	**28**	5	62.0	**4880**
730-23D				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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