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: 2/24/2016 **Time Cast:** **Date Received:**

Placement Location: SLAB ON GRADE ALONG LINE 11 FROM G TO H "TEST SLAB"

Placement Method: BUGGY

Cylinders Made By: JUSTIN ROUILLARD

Placement Vol. (yd³): 3.5

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures:

TEST RESULTS

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

Air Content (%) (C-231) **Air WR:** 5.2

Air Temp (°F): 28

Conc. Temp (°F) (C-1064): 65

Load Number: 1

Mixer Number: 150

Ticket Number 259892

Cubic Yards: 3.5

Design (psi): **5000**

Batch 7:30

Arrive 8:10

Depart

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)**
730-31A	8.55	4.04	12.80	3/2/2016	Lab	**7**	3	48.2	**3770**
730-31B	8.55	4.03	12.73	3/23/2016	Lab	**28**	4	63.2	**4960**
730-31C	8.50	4.02	12.69	3/23/2016	Lab	**28**	4	62.0	**4890**
730-31D	8.55			4/20/2016	Lab	**56**			

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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