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: 1/15/2016 **Time Cast:** 12:36 **Date Received:** 1/18/2016

Placement Location: WALLS: C1.5 - AZ

Placement Method: PUMP

Placement Vol. (yd³): 58.5

Cylinders Made By: AIDAN BOYCE

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MASTER AIR
MASTER SET
GLENIUM

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.0

Air Content (%) (C-231) **Air WR:** 5.7

Air Temp (°F): 26

Conc. Temp (°F) (C-1064): 61

Load Number: 3

Mixer Number: 118

Ticket Number 285435

Cubic Yards: 10

Design (psi): **3500**

Batch 11:39

Arrive 12:11

Depart 12:34

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)**
730-22A	8.30	4.00	12.59	1/19/2016	Lab	**4**	4	29.2	**2320**
730-22B	8.45	4.02	12.69	1/22/2016	Lab	**7**	4	51.4	**4050**
730-22C	8.35	4.01	12.61	2/12/2016	Lab	**28**	4	58.0	**4600**
730-22D	8.30	4.00	12.57	2/12/2016	Lab	**28**	4	57.2	**4550**
730-22E	8.30			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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