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: 3/1/2016 **Time Cast:** 8:10 **Date Received:**

Placement Location: NORTH SIDE OF WEST WING GARAGE SLAB ON GRADE

Placement Method: BUGGY

Cylinders Made By: CHARLES CROMWELL

Placement Vol. (yd³): 50

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MASTER AIR
MASTER GLENIUM
FIBER

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.5

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

Air Temp (°F): 30

Conc. Temp (°F) (C-1064): 63

Load Number: 2

Mixer Number: 95

Ticket Number 259478

Cubic Yards: 10

Design (psi): **5000**

Batch 7:09

Arrive 7:41

Depart 8:12

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)**
730-32A	8.45	4.03	12.73	3/8/2016	Lab	**7**	5	55.6	**4370**
730-32B	8.50	4.02	12.71	3/29/2016	Lab	**28**	5	64.0	**5030**
730-32C	8.45	4.03	12.77	3/29/2016	Lab	**28**	5	66.6	**5210**
730-32D	8.45			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