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: 3/4/2016 **Time Cast:** 8:20 **Date Received:**

Placement Location: BASEMENT INTERIOR SLAB SOUTH QUADRANT

Placement Method: BUGGY

Cylinders Made By: THOMAS MITCHELL

Placement Vol. (yd³): 40

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLY GLENIUM

TEST RESULTS

Slump (in) (C-143): 5.5

Air Content (%) (C-231) 5.8

Air Temp (°F): 28

Conc. Temp (°F) (C-1064): 74

Load Number: 2

Mixer Number: 119

Ticket Number 260053

Cubic Yards: 10

Design (psi): **5000**

Batch 7:14

Arrive 8:05

Depart 8:25

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)**
730-33A	8.25	4.01	12.65	3/11/2016	Lab	**7**	4	42.8	**3390**
730-33B	8.25	4.02	12.70	4/1/2016	Lab	**28**	4	55.8	**4390**
730-33C	8.25	4.02	12.69	4/1/2016	Lab	**28**	5	53.4	**4210**
730-33D	8.25	4.01	12.61	4/29/2016	Lab	**56**	4	60.0	**4760**

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

Scott Timmons

From: Dan Burne <dan@beckerstructural.com>
Sent: Monday, May 02, 2016 12:36 PM
To: Scott Timmons; Alex Wheelock
Subject: RE: 14-0065.2 The Park Danforth Client: The Park Danforth/Construction Management Consulting Services

Hi Scott,
Alex and I were recently discussing this. For this location, I would consider the break to be close enough to not have an issue. The 5000 psi strength of the garage slab is not as critical now that the garage is tempered. This would have been more of an issue in an unheated garage subject to freeze thaw cycles. Not worth any corrective action.
Dan

Daniel S. Burne, P.E.
Associate
Becker Structural Engineers, Inc.

From: Scott Timmons [mailto:scott.timmons@lbpa.com]
Sent: Monday, May 02, 2016 10:38 AM
To: Dan Burne; Alex Wheelock
Subject: FW: 14-0065.2 The Park Danforth Client: The Park Danforth/Construction Management Consulting Services

Dan,

I've been on vacation for the past week and a half and just got to look at this. Looks like this one is still coming up a bit short in the testing. What's the next step?

Thanks,
Scott

Scott Timmons, RA
Project Architect

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From: Gray Materials [mailto:Gray.Materials@swcole.com]
Sent: Friday, April 29, 2016 11:36 AM
To: Alex Wheelock <awheelock@beckerstructural.com>; apires@pcconstruction.com; Carmine DeBlasi <carmine.deblasi@lbpa.com>; dan@beckerstructural.com; Danielle Santos <Danielle.Santos@lbpa.com>; Joan Eagleson <joan.eagleson@lbpa.com>; kcarey@pcconstruction.com; Lorri Sommer <sommerl@parkdanforth.com>; mdonovan@pcconstruction.com; rmetcalf@mitchellassociates.biz; Ron Norton <ron@cmcsme.com>; Scott Timmons

<scott.timmons@lbpa.com>; vachond@parkdanforth.com
Subject: 14-0065.2 The Park Danforth Client: The Park Danforth/Construction Management Consulting Services

Please find the attached report(s) for the above referenced project.

Should you have any further questions, please contact our Construction Services Manager, Roger Domingo.

Thank you,
Jennifer Morrell \ Admin Asst.

S. W. Cole Engineering, Inc. | Construction Services

Roger E. Domingo, Construction Services Manager
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