# Report of Concrete Compressive Strength

ASTM C-31 & C-39

**Project Name:** Portland ME - 1945 Congress Street - Construction Materials Testing Services

**Project Number:** 16-1446

**Client:** Northland Enterprises LLC

**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:**

## PLACEMENT INFORMATION

**Date Cast:** 5/17/2017 **Time Cast:** 1:37 **Date Received:** 5/18/2017

**Placement Location:** F 1 LINE - A 1 LINE DOWN 40' A 1 LINE

**Placement Method:** TAILGATE

**Placement Vol. (yd³):** 16

**Cylinders Made By:** AIDAN BOYCE

**Aggregate Size (in):** 3/4

## INITIAL CURING CONDITIONS

**Temperatures**

**Minimum (ºF)** 68 **Maximum (ºF)** 78

## DELIVERY INFORMATION

**Admixtures:** MASTER GLENIUM 7500 / MASTER AIR AE200

## TEST RESULTS

**Slump (in) (C-143):** 5

**Air Content (%) (C-231)** 5

**Air Temp (ºF):** 78

**Conc. Temp (ºF) (C-1064):** 73

**Load Number:** 1

**Mixer Number:** 108

**Ticket Number** 213540

**Cubic Yards:** 8

**Design (psi):** **4000**

**Batch** 12:41

**Arrive** 1:08

**Depart** 1:35

| 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)** |
|---|---|---|---|---|---|---|---|---|---|
| 923-1A | 8.40 | 4.00 | 12.57 | 5/24/2017 | Lab | **7** | 5 | 55.8 | **4440** |
| 923-1B | 8.40 | | | 6/14/2017 | Lab | **28** | | | |
| 923-1C | 8.40 | | | 6/14/2017 | Lab | **28** | | | |
| 923-1D | 8.40 | | | 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