

## Report of Concrete Compressive Strength

ASTM C-31 &amp; C-39

**Project Name:** PORTLAND - OCEAN GATEWAY TERMINAL - MATERIALS TESTING **Project Number:** 05-0134

**Client:** REED & REED, INC.

**Client Contract Number:**

**General Contractor:**

**Concrete Supplier:** AUBURN CONCRETE

### PLACEMENT INFORMATION

**Date Cast:** 7/25/2007 **Time Cast:** 1:45 **Date Received:** 7/26/2007

**Placement Location:** VEHICLE INSPECTION CENTER

**Placement Method:** TAILGATE

**Placement Vol. (yd<sup>3</sup>):** 16.5

**Cylinders Made By:** CMT

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

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)**                      **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** SUPERPLASTIC 12RP

### TEST RESULTS

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

**Load Number:** 2

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

**Mixer Number:** 81

**Air Temp (°F):** 74

**Ticket Number:** 132336

**Conc. Temp (°F) (C-1064):** 80

**Cubic Yards:** 5.5

**Design (psi):** 4350

Cylinder Designation	Cylinder Weight (lbs)	Cylinder Diameter (in)	Cross Sectional Area(In) <sup>2</sup>	Date Of Test	Cure Type	Age (days)	Fracture Type	Load (kips)	Strength (psi)
561-51A		6.00	28.27	8/1/2007	Lab	7	4	114.5	4050
561-51B		6.00	28.27	8/22/2007	Lab	28	4	135.0	4780
561-51C		6.00	28.27	8/22/2007	Lab	28	4	135.0	4780
561-51D				Hold	Lab				

#### Fracture Types



1  
Cone



2  
Cone and Split



3  
Cone and Shear



4  
Shear



5  
Columnar

Remarks: