

**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:** 7/10/2006 **Time Cast:** 8:45 **Date Received:** 7/11/2006

**Placement Location:** GRADE BEAM ON 16 LINE

**Placement Method:** CRANE & BUCKET

**Placement Vol. (yd<sup>3</sup>):** 22

**Cylinders Made By:** DAC

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

### INITIAL CURING CONDITIONS

#### Temperatures

**Minimum (°F)** **Maximum (°F)**

### DELIVERY INFORMATION

**Admixtures:** POLYHEED 1020 & MICROSILICA

### TEST RESULTS

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

**Load Number:** 2

**Air Content (%) (C-231):** **Air WR:** 6.8

**Mixer Number:** 116

**Air Temp (°F):** 75

**Ticket Number:** 105538

**Conc. Temp (°F) (C-1064):** 80

**Cubic Yards:** 7

**Design (psi):** 5075

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)
561-13A		6.00	28.27	7/17/2006	Lab	7	4	116.5	4120
561-13B		6.00	28.27	8/7/2006	Lab	28	4	153.5	5430
561-13C		6.00	28.27	8/7/2006	Lab	28	4	154.5	5470
561-13D				Hold	Lab				

#### Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: