



Report of Concrete Compressive Strength

ASTM C-31 & 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: 10/9/2007 **Time Cast:** 7:30 **Date Received:** 10/10/2007

Placement Location: SIDEWALKS

Placement Method: TAILGATE

Placement Vol. (yd³): 110

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: SUPERPLASTICIZER, POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6.5

Load Number: 2

Air Content (%) (C-231): **Air WR:** 7.5

Mixer Number: 83

Air Temp (°F): 55

Ticket Number: 118434

Conc. Temp (°F) (C-1064): 66

Cubic Yards: 10

Design (psi): 4350

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)
561-63A		6.00	28.27	10/16/2007	Lab	7	4	121.0	4280
561-63B		6.00	28.27	11/6/2007	Lab	28	4	170.5	6030
561-63C		6.00	28.27	11/6/2007	Lab	28	4	155.0	5480
561-63D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: