



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: 6/14/2006 **Time Cast:** 9:00 **Date Received:** 6/15/2006

Placement Location: A LINE 1-13

Placement Method:

Cylinders Made By: DMR

Placement Vol. (yd³):

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): 2 1/2 **Slump WR:** 6 1/2

Air Content (%) (C-231): **Air WR:** 8.1

Air Temp (°F):

Conc. Temp (°F) (C-1064): 80

Load Number: 4

Mixer Number: 83

Ticket Number: 102137

Cubic Yards: 34

Design (psi): 5075

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)
561-9A		6.00	28.27	6/21/2006	Lab	7	4	123.5	4370
561-9B		6.00	28.27	7/12/2006	Lab	28	4	151.5	5360
561-9C		6.00	28.27	7/12/2006	Lab	28	4	149.5	5290
561-9D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: