

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: 6/23/2006 **Time Cast:** 9:10 **Date Received:** 6/24/2006

Placement Location: A LINE WALL PLACEMENT

Placement Method: CRANE & BUCKET

Placement Vol. (yd³): 22

Cylinders Made By: DMR

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): 2.5 **Slump WR:** 4.0

Load Number: 3

Air Content (%) (C-231): **Air WR:** 5.8

Mixer Number: 106

Air Temp (°F): 70

Ticket Number: 102498

Conc. Temp (°F) (C-1064): 80

Cubic Yards: 6

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)
561-11A		6.00	28.27	6/30/2006	Lab	7	4	153.5	5430
561-11B		6.00	28.27	7/21/2006	Lab	28	4	176.5	6240
561-11C		6.00	28.27	7/21/2006	Lab	28	4	190.0	6720
561-11D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: