

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: 7/28/2006 **Time Cast:** 11:45 **Date Received:** 7/29/2006

Placement Location: RADIUS WALL EXTRA WALL AT PILE CAP

Placement Method: TAILGATE

Placement Vol. (yd³): 7.25

Cylinders Made By: JLD

Aggregate Size (in): 57 STONE

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143):

Load Number: 1

Air Content (%) (C-231):

Air WR: 6.1

Mixer Number:

Air Temp (°F): 85

Ticket Number:

Conc. Temp (°F) (C-1064): 84

Cubic Yards:

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)
561-17A		6.00	28.27	8/4/2006	Lab	7	4	153.0	5410
561-17B		6.00	28.27	8/25/2006	Lab	28	4	207.0	7320
561-17C		6.00	28.27	8/25/2006	Lab	28	4	204.5	7230
561-17D				Hold	Lab				

Fracture Types



Cone



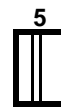
Cone and Split



Cone and Shear



Shear



Columnar

Remarks: