

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: 11/2/2005 **Time Cast:** 13:20 **Date Received:** 11/3/2005

Placement Location: CRANE WAY FILL-INS WEST 5+87-6+13 / EAST 5+00-6+05

Placement Method: TAILGATE

Placement Vol. (yd³): 4.5

Cylinders Made By: MJH

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: CN1

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.5

Load Number: 1

Air Content (%) (C-231): 9.5 **Air WR:** 7.8

Mixer Number: 101

Air Temp (°F): 55

Ticket Number:

Conc. Temp (°F) (C-1064): 70

Cubic Yards: 4.5

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)
561-2A		6.00	28.27	11/9/2005	Lab	7	4	125.5	4440
561-2B		6.00	28.27	11/30/2005	Lab	28	5	179.0	6330
561-2C		6.00	28.27	11/30/2005	Lab	28	5	178.5	6310
561-2D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: