



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: 2/21/2006 **Time Cast:** 11:21 **Date Received:** 2/22/2006

Placement Location: ROLL ON / ROLL OFF ABUTMENT PLACEMENT # 1

Placement Method: CRANE & BUCKET

Placement Vol. (yd³): 30

Cylinders Made By: DAC

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: 1% POZZUTEC 20,
MICRO SILICA, CNI &
POLYHEED 1020

TEST RESULTS

Slump (in) (C-143): 5.75

Load Number: 2

Air Content (%) (C-231): 6.2

Mixer Number: 106

Air Temp (°F): 39

Ticket Number: 93394

Conc. Temp (°F) (C-1064): 72

Cubic Yards: 10

Design (psi):

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)
561-4A		6.00	28.27	2/28/2006	Lab	7	4	192.0	6790
561-4B		6.00	28.27	3/21/2006	Lab	28	4	237.5	8400
561-4C		6.00	28.27	3/21/2006	Lab	28	4	226.0	7990
561-4D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: