

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: 10/5/2006 **Time Cast:** 12:00 **Date Received:** 10/6/2006

Placement Location: TERMINAL BUILDING CURBING

Placement Method: PUMP

Placement Vol. (yd³): 8

Cylinders Made By: PJO

Aggregate Size (in): 57 STONE

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POZZOLITH
100XR/POZZUTEC,
POLYHEED 1020,
RHEOCRETE -- CNI

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 6

Load Number: 1

Air Content (%) (C-231): **Air WR:** 7.0

Mixer Number: 97

Air Temp (°F): 57

Ticket Number: 115870

Conc. Temp (°F) (C-1064): 69

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)
561-33A		6.00	28.27	10/12/2006	Lab	7	4	153.0	5410
561-33B		6.00	28.27	11/2/2006	Lab	28	4	197.0	6970
561-33C		6.00	28.27	11/2/2006	Lab	28	4	202.5	7160
561-33D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: DESIGN STRENGTH = LP3