



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: 8/22/2007 **Time Cast:** 11:50 **Date Received:** 8/23/2007

Placement Location: BRIDGE OVER WATER FOR TRAFFIC

Placement Method: CRANE & BUCKET

Placement Vol. (yd³): 34

Cylinders Made By: CKT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020,
MICROSILICA,
RHEOCRETE CNI

TEST RESULTS

Slump (in) (C-143): 7.5

Load Number: 3

Air Content (%) (C-231): 5.7

Mixer Number: 101

Air Temp (°F): 68

Ticket Number: 134288

Conc. Temp (°F) (C-1064): 73

Cubic Yards: 8.5

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)
561-56A	28.35	6.00	28.27	8/29/2007	Lab	7	4	123.0	4350
561-56B	28.42	6.00	28.27	9/19/2007	Lab	28	4	158.5	5610
561-56C	28.44	6.00	28.27	9/19/2007	Lab	28	4	170.0	6010
561-56D	28.52			Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: