



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: 9/25/2007 **Time Cast:** 8:20 **Date Received:** 9/26/2007

Placement Location: FLUSH CONCRETE ISLAND

Placement Method: TAILGATE

Placement Vol. (yd³): 18

Cylinders Made By: VLT

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020

TEST RESULTS

Slump (in) (C-143):	Slump WR: 7	Load Number: 2
Air Content (%) (C-231):	Air WR: 7.8	Mixer Number: 84
Air Temp (°F): 55		Ticket Number: 136978
Conc. Temp (°F) (C-1064): 70		Cubic Yards: 9
		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)
561-62A		6.00	28.27	10/2/2007	Lab	7	4	133.5	4720
561-62B		6.00	28.27	10/23/2007	Lab	28	4	142.0	5020
561-62C		6.00	28.27	10/23/2007	Lab	28	4	143.5	5080
561-62D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: