



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: 8/22/2006 **Time Cast:** 1:20 **Date Received:** 8/23/2006

Placement Location: ELEVATOR PIT

Placement Method: TAILGATE

Placement Vol. (yd³): 9

Cylinders Made By: DMR

Aggregate Size (in): 3/4

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: POLYHEED 1020 &
POZZOLITH 100
RHEOCRETE CNI

TEST RESULTS

Slump (in) (C-143):		Slump WR:	6	Load Number:	1
Air Content (%) (C-231):	5.4	Air WR:	5.8	Mixer Number:	95
Air Temp (°F):	75			Ticket Number:	94523
Conc. Temp (°F) (C-1064):	84			Cubic Yards:	9
				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)
561-21A		6.00	28.27	8/29/2006	Lab	7	4	181.5	6420
561-21B		6.00	28.27	9/19/2006	Lab	28	4	247.5	8750
561-21C		6.00	28.27	9/19/2006	Lab	28	4	243.5	8610
561-21D				Hold	Lab				

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: