

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: DRAGON PRODUCTS

PLACEMENT INFORMATION

Date Cast: 9/19/2006 **Time Cast:** 1:35 **Date Received:** 9/20/2006

Placement Location: ANCHOR BOLT POCKETS ON TOP OF SLAB DECK

Placement Method: TAILGATE

Placement Vol. (yd³): 3

Cylinders Made By: PJO

Aggregate Size (in): 57 STONE

INITIAL CURING CONDITIONS

Temperatures

Minimum (°F) **Maximum (°F)**

DELIVERY INFORMATION

Admixtures: MICRO SILICA,
POLYHEED 1020,
POZZOLITH 100XR,
RHEOCRETE CNI

TEST RESULTS

Slump (in) (C-143): **Slump WR:** 5.75

Load Number: 1

Air Content (%) (C-231): 7.5 **Air WR:** 7.4

Mixer Number: 106

Air Temp (°F): 65

Ticket Number: 108163

Conc. Temp (°F) (C-1064): 82

Cubic Yards: 3

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)
561-30A		6.00	28.27	9/22/2006	Lab	3	4	116.5	4120
561-30B		6.00	28.27	9/26/2006	Lab	7	4	131.5	4650
561-30C		6.00	28.27	10/17/2006	Lab	28	4	188.5	6670
561-30D		6.00	28.27	10/17/2006	Lab	28	4	185.5	6560

Fracture Types



Cone



Cone and Split



Cone and Shear



Shear



Columnar

Remarks: DESIGN STRENGTH IS MDOT CLASS LP-3