

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-286-8008  
200 International Drive, Suite 170, Portsmouth, NH 03801 603-427-0244

LETTER OF TRANSMITTAL

City of Portland, Portland Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

Date:	June 17, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
65783	7
65784	7

Remarks:

Copy To:  
Roy Williams: rsw@portlandmaine.gov  
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Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

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## CONCRETE TEST/PLACEMENT REPORT

**Project Name:** Terminal Enhancement, Portland Int. Jetport  
**Project No:** 557-14  
**Weather Conditions:** Overcast/Drizzle  
**Method of Placement:** Pump  
**Admixtures:** Mid Range Water Reducer  
**Placement Location:** Footings: B.3/1Y.8, C.4/1Y.8, C.4/1ZB - 1ZC  
**Test Cylinder Location:** C.4/1Y.8, C.4/1ZB

**Date Cylinders Cast:** 10-Jun-10  
**Concrete Supplier:** Auburn  
**General Contractor:** Turner  
**Design Strength:** 4,000  
**Max Agg. Size:** 3/4

**Date Report Issued:** JUN 18 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	2	Slump (in) ASTM C 143	4.0	
Ticket No.	172939	Air (°F)	61	
Truck No.	86	Concrete (°F) ASTM C 1064	72	
Cubic Yds.	10	Air Content (%) ASTM C 231	4.0	
				Arrived @ 12:45
				Total Time 45

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1

Date received 11-Jun-10

Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65783	17-Jun-10	4.016	12.67	7	45,840	3620	5
65784	17-Jun-10	4.016	12.67	7	43,540	3440	6
65785	08-Jul-10			28			
65786	08-Jul-10			28			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5



Double Side Fracture  
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	172938	78	10	--	--	--	--	40
3	172940	101	10	--	--	--	*7.5	40
4	172944	96	10	--	--	--	--	45
5	172945	78	10	--	--	--	--	50

Remarks: \*Initial air.

Curing Temperatures: Max = 75°, Min = 57°

Checked by:   
 Matthew T. Grady, Manager of MTS