

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:	July 9, 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)
65804	28
65805	28

Remarks:

Copy To:  
 Roy Williams: rsw@portlandmaine.gov  
 Jim Stanislaski: jim\_stanislaski@gensler.com  
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Signed: Bertha Dawn

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## CONCRETE TEST/PLACEMENT REPORT

<b>Project Name:</b>	Terminal Enhancement, Portland Int. Jetport	<b>Date Cylinders Cast:</b>	11-Jun-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Sun	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	4,000
<b>Admixtures:</b>	Mid Range Water Reducer	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	Pier: B.3/1Y.8; Walls: XG/ZA; Footing: C.4/1ZA - 1ZB, XH/10' North of C.4		
<b>Test Cylinder Location:</b>	Footing: C.4/1ZA - 1ZB, XH/10' North of C.4		

**Date Report Issued:** JUL 09 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich		
Load No.	2	Slump (in) ASTM C 143	6.0	Time	Batched @ 12:43 Arrived @ 1:15 Total Time 60
Ticket No.	172965	Air (°F)	70		
Truck No.	96	Concrete (°F) ASTM C 1064	76		
Cubic Yds.	10	Air Content (%) ASTM C 231	5.8		

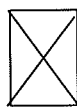
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 12-Jun-10  
 Condition of Cylinders: Good

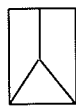
Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65803	18-Jun-10	4.016	12.67	7	46,800	3690	2
65804	09-Jul-10	4.010	12.63	28	68,200	5400	2
65805	09-Jul-10	4.010	12.63	28	65,120	5160	5
65806	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



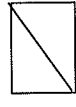
Cone  
1



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	172964	102	10	--	--	--	*5.8	55
3	172967	101	10	--	--	--	--	40

Remarks: Curing Temperatures: Max = 77°, Min = 57°  
 \*Initial air.

Checked by:   
 Matthew T. Grady, Manager of MTS