

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 16, 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)
65931	28
65932	28

Remarks:

Copy To:  
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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>	18-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>	Wall at C.4/ZC - 1ZB; Piers at XJ/5' West of 1ZC, XH/ZB		
<b>Test Cylinder Location:</b>	Wall		

**Date Report Issued:**      **JUL 19 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	4.0		Batched @ 1:05
Ticket No.	173027	Air (°F)	85		Arrived @ 1:30
Truck No.	84	Concrete (°F) ASTM C 1064	82		Total Time 50
Cubic Yds.	8.5	Air Content (%) ASTM C 231	*6.2/5.8		

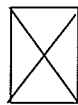
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 19-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
65930	25-Jun-10	4.020	12.69	7	60,860	4800	6
65931	16-Jul-10	4.017	12.67	28	73,140	5770	2
65932	16-Jul-10	4.017	12.67	28	73,720	5820	2
65933	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



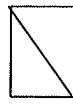
Cone  
1



Cone & Split  
2



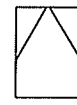
Columnar  
3



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.)
2	173028	106	8.5	--	--	--	--	--

Remarks: Curing Temperatures: Max = 84°, Min = 72°  
 \*Initial air.

Checked by: Matthew T. Grady  
 Matthew T. Grady, Manager of MTS