

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:	August 19, 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)
66719	7

Remarks:

Copy To:  
Roy Williams: rsw@portlandmaine.gov  
Jim Stanislaski: jim\_stanislaski@gensler.com  
Cliff Takara: clifford\_takara@gensler.com  
Lacey Fogg: Lacey.Fogg@amec.com  
Mike Fusco: mfusco@tcco.com  
Shaun Winner: swinner@tcco.com  
Phil Coleman: pcoleman@tcco.com  
Elizabeth O'Toole: eotoole@tcco.com  
TMM@portlandmaine.gov  
ldobson@portlandmaine.gov  
rdixon@tcco.com  
gemitchell@tcco.com

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>	12-Aug-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Sunny	<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: 10' South of XJ/Y4 - Y7; Pier: Z1.7/XB; Footings: XL/Y5 & Y6		
<b>Test Cylinder Location:</b>	Wall: 10' South of XJ/Y4 - 5' Northwest of Y5		

**Date Report Issued:** **AUG 19 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	1	Slump (in) ASTM C 143	5.75	Batched @ 1:03
Ticket No.	178272	Air (°F)	74	Arrived @ 1:35
Truck No.	98	Concrete (°F) ASTM C 1064	81	Total Time 45
Cubic Yds.	10	Air Content (%) ASTM C 231	5.2	

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
Date received 13-Aug-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
66719	19-Aug-10	4.016	12.67	7	53,760	4240	3
66720	09-Sep-10			28			
66721	09-Sep-10			28			
66722	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

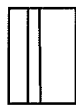
### Types of Breaks



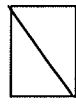
Cone  
1



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	178274	99	10	--	--	--	--	45
3	178275	86	10	--	--	--	--	40
4	178276	94	10	--	--	--	--	45

Remarks: Curing Temperatures: Max = 76°, Min = 66°

Checked by:   
Matthew T. Grady, Manager of MTS