

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:	September 10, 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)
66738	28
66739	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>	13-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>	Walls: Y7/XM - XM.5, XM.5/Y6.8 - Y7, Y6.8/XM - XM.5, XM/Y5.8 - Y7.5, XM.5 - XL/Y7; Radius Footing: Between 23 & 24/XF; Esc. 3 & 4; Footings (8)		
<b>Test Cylinder Location:</b>	Wall: Y7/XL - XM	<b>Date Report Issued:</b>	<b>SEP 10 2010</b>

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	5.5	Batched @	1:46
Ticket No.	178295	Air (°F)	77	Arrived @	2:05
Truck No.	96	Concrete (°F) ASTM C 1064	82	Total Time	45
Cubic Yds.	10.5	Air Content (%) ASTM C 231	5.9		

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3  
Date received 16-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
66737	20-Aug-10	4.013	12.65	7	46,920	3710	5
66738	10-Sep-10	4.016	12.67	28	69,720	5500	2
66739	10-Sep-10	4.016	12.67	28	67,680	5340	2
66740	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



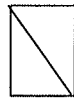
Cone  
1



Cone & Split  
2



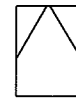
Columnar  
3



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	178296	116	10.5	--	--	--	--	40
3	178300	78	10.5	--	--	--	--	50
4	178303	94	10.5	--	--	--	--	75

Remarks: Curing Temperatures: Max = 77°, Min = 65°

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