

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 1, 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)
65966	7
65970	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  
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 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>	24-Jun-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Overcast / Rain	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	4,000
<b>Admixtures:</b>	Micro Air - Pozzolith 100 x R	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	See attached sketch - Walls and footings		
<b>Test Cylinder Location:</b>	See attached sketch		

**Date Report Issued:** JUL 01 2010

4x8 Cylinders	4	Cast by	Rodney R. Collard	Time
Load No.	1	Slump (in) ASTM C 143	5	Batched @
Ticket No.	167007	Air (°F)	84	Arrived @
Truck No.	84	Concrete (°F) ASTM C 1064	74	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	5.9	

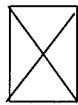
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 25-Jun-10  
 Condition of Cylinders: Good

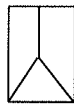
Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65966	01-Jul-10	4.023	12.71	7	52,720	4150	2
65967	22-Jul-10			28			
65968	22-Jul-10			28			
65969	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

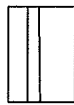
### Types of Breaks



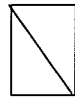
Cone  
1



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	167008	115	10	--	--	--	--	30
3	167009	83	10	--	--	--	--	46
4	167011	84	10	--	--	--	--	39
5	167012	115	10	--	--	--	--	30

Remarks: Curing Temperatures: Max = 86°, Min = 63°  
 7 Total loads

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

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**CONCRETE TEST/PLACEMENT REPORT**

**Project Name:** Terminal Enhancement, Portland Int. Jetport  
**Project No:** 557-14  
**Weather Conditions:** Overcast / Rain  
**Method of Placement:** Pump  
**Admixtures:** Micro Air - Pozzolih 100 x R  
**Placement Location:** See attached sketch - Walls and footings  
**Test Cylinder Location:** See attached sketch

**Date Cylinders Cast:** 24-Jun-10  
**Concrete Supplier:** Auburn  
**General Contractor:** Turner  
**Design Strength:** 4,000  
**Max Agg. Size:** 3/4

**JUL 01 2010**

**Date Report Issued:**

4x8 Cylinders	4	Cast by	Rodney R. Collard		
Load No.	6	Slump (in) ASTM C 143	5.5	Batched @	2;25
Ticket No.	167013	Air (°F)	84	Arrived @	--
Truck No.	96	Concrete (°F) ASTM C 1064	76	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	6.4		

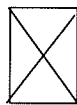
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 25-Jun-10  
 Condition of Cylinders: Good

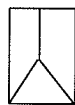
Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65970	01-Jul-10	4.023	12.71	7	48,740	3830	2
65971	22-Jul-10			28			
65972	22-Jul-10			28			
65973	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

**Types of Breaks**



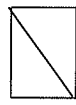
Cone  
1



Cone & Split  
2



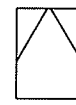
Columnar  
3



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.)
7	167014	84	9	--	--	--	--	35

Remarks: Curing Temperatures: Max = 86°, Min = 63°  
 7 Total loads

Checked by:   
 Matthew T. Grady, Manager of MTS