

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 12, 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)
65808	28
65809	28
65812	28
65813	28

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
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 Elizabeth O'Toole: eotoole@tcco.com
 TMM@portlandmaine.gov
 ldobson@portlandmaine.gov
 rdixon@tcco.com
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Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Rear Discharge
Admixtures: Mid Range Water Remover
Placement Location: Piers: XD.7/Y5.5, Y6.5, Y7.5, & Y8.5
Test Cylinder Location: XD.7/Y5.5

Date Cylinders Cast: 14-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

JUL 12 2010

Date Report Issued:

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	9.25	Batched @	11:59
Ticket No.	172978	Air (°F)	64	Arrived @	12:30
Truck No.	116	Concrete (°F) ASTM C 1064	76	Total Time	60
Cubic Yds.	*2 of 7.5	Air Content (%) ASTM C 231	--		

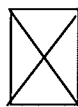
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 15-Jun-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65807	21-Jun-10	4.020	12.69	7	60,320	4750	2
65808	12-Jul-10	4.015	12.66	28	81,880	6470	2
65809	12-Jul-10	4.015	12.66	28	80,160	6330	4
65810	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

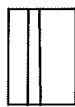
Types of Breaks



Cone
1



Cone & Split
2



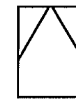
Columnar
3



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.)

Remarks: Total loads = 2
 Curing Temperatures: Max = 72°, Min = 52°
 *Load #1 rejected due to high slump.

Checked by:
 Matthew T. Grady, Manager of MTS

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General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 12 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	5.25	Batched @	1:10
Ticket No.	172979	Air (°F)	64	Arrived @	1:25
Truck No.	78	Concrete (°F) ASTM C 1064	76	Total Time	50
Cubic Yds.	7.5	Air Content (%) ASTM C 231	7.0		

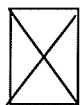
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 15-Jun-10
 Condition of Cylinders: Good

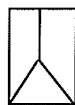
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65811	21-Jun-10	4.020	12.69	7	57,500	4530	6
65812	12-Jul-10	4.015	12.66	28	77,880	6150	2
65813	12-Jul-10	4.015	12.66	28	82,840	6540	5
65814	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



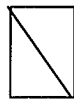
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