

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:	June 14, 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)
65729	7
65730	7
65733	7
65734	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

Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

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## CONCRETE TEST/PLACEMENT REPORT

**Project Name:** Terminal Enhancement, Portland Int. Jetport  
**Project No:** 557-14  
**Weather Conditions:** Sunny  
**Method of Placement:** Pump  
**Admixtures:** Mid Range Water Reducer  
**Placement Location:** Footings: Zone 4 from F/1ZC to F/1ZA  
**Test Cylinder Location:** F/1ZC

**Date Cylinders Cast:** 07-Jun-10  
**Concrete Supplier:** Auburn  
**General Contractor:** Turner  
**Design Strength:** 4,000  
**Max Agg. Size:** 3/4

**Date Report Issued:** JUN 15 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	2	Slump (in) ASTM C 143	6.5	
Ticket No.	172880	Air (°F)	69	
Truck No.	98	Concrete (°F) ASTM C 1064	75	
Cubic Yds.	10	Air Content (%) ASTM C 231	4.6	
				Arrived @ 1:25
				Total Time 40

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 08-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
65729	14-Jun-10	4.038	12.81	7	55,500	4330	3
65730	14-Jun-10	4.038	12.81	7	55,260	4310	2
65731	06-Jul-10			29			
65732	06-Jul-10			29			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



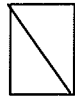
Cone  
1



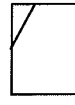
Cone & Split  
2



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.)
*1	172879	78	--	9.00	--	--	--	--
3	172881	86	10	--	--	--	--	45
4	172882	102	10	--	--	--	--	40
5	172885	97	10	--	--	--	--	45
6	172887	99	10	--	--	--	--	30

Remarks: Total loads = 8

\*Load #1 was sent away after placing 2+ yards.

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

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4x8 Cylinders	4	Cast by	Michael J. Kramlich		Time
Load No.	7	Slump (in) ASTM C 143	5.5		Batched @ 2:55
Ticket No.	172889	Air (°F)	70		Arrived @ 3:17
Truck No.	102	Concrete (°F) ASTM C 1064	79		Total Time 30
Cubic Yds.	10	Air Content (%) ASTM C 231	5.0		

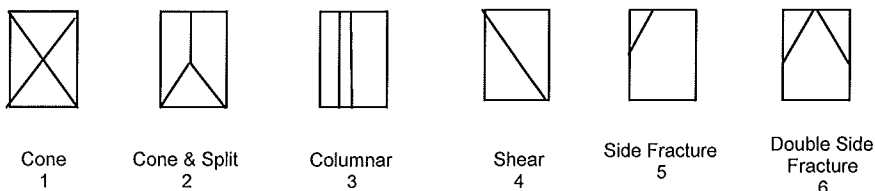
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 08-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
65733	14-Jun-10	4.038	12.81	7	58,420	4560	2
65734	14-Jun-10	4.038	12.81	7	56,780	4430	3
65735	06-Jul-10			29			
65736	06-Jul-10			29			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
8	172892	119	10	--	--	--	--	45

Remarks: Total loads = 8

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