

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 24, 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)
65634	28
65635	28
65638	28
65639	28
65642	28
65643	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  
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 ldobson@portlandmaine.gov  
 rdixon@tcco.com  
 gemitchell@tcco.com

Signed: Bertha Dawn

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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: XC/Z1 through Z4  
**Test Cylinder Location:** XC/Z2

**Date Cylinders Cast:** 27-May-10  
**Concrete Supplier:** Auburn  
**General Contractor:** Turner  
**Design Strength:** 4,000  
**Max Agg. Size:** 3/4

**Date Report Issued:** **JUN 24 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	
Load No.	2	Slump (in) ASTM C 143	4.75	Time Batched @ 12:09 Arrived @ 12:38 Total Time 45
Ticket No.	170375	Air (°F)	75	
Truck No.	101	Concrete (°F) ASTM C 1064	78	
Cubic Yds.	10	Air Content (%) ASTM C 231	5.8	

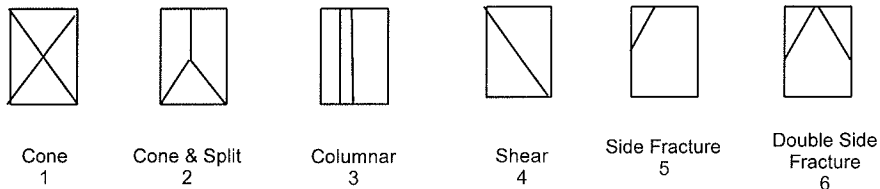
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 28-May-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
65632	03-Jun-10	4.021	12.70	7	44,900	3540	6
65633	03-Jun-10	4.021	12.70	7	44,160	3480	2
65634	24-Jun-10	4.020	12.69	28	67,080	5290	5
65635	24-Jun-10	4.020	12.69	28	66,220	5220	3

\*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.)
1	170374	94	10	--	--	--	--	40
3	170676	97	10	--	--	--	--	40
4	170677	106	10	--	--	--	--	35
5	170678	94	10	--	--	--	--	40

Remarks: Total loads = 13

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

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4x8 Cylinders	4	Cast by	Michael J. Kramlich		
Load No.	6	Slump (in) ASTM C 143	5.0	Time	Batched @
Ticket No.	170379	Air (°F)	76		Arrived @
Truck No.	98	Concrete (°F) ASTM C 1064	75		Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	4.6		

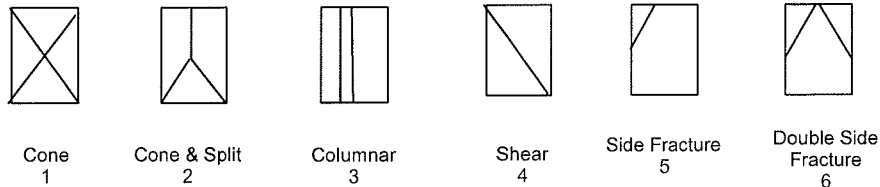
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 28-May-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
65636	03-Jun-10	4.021	12.70	7	48,240	3800	2
65637	03-Jun-10	4.021	12.70	7	48,640	3830	3
65638	24-Jun-10	4.020	12.69	28	73,540	5800	5
65639	24-Jun-10	4.020	12.69	28	72,140	5680	2


\*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.)
7	170380	96	10	--	--	--	--	55
8	170682	84	10	--	--	--	--	50
9	170684	94	10	--	--	--	--	40
10	170685	116	10	--	--	--	--	55

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4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	11	Slump (in) ASTM C 143	5.0	Batched @	1:25
Ticket No.	170386	Air (°F)	75	Arrived @	1:51
Truck No.	97	Concrete (°F) ASTM C 1064	76	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	4.8		

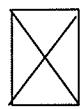
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 28-May-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
65640	03-Jun-10	4.021	12.70	7	47,400	3730	5
65641	03-Jun-10	4.021	12.70	7	48,060	3780	2
65642	24-Jun-10	4.020	12.69	28	71,960	5670	5
65643	24-Jun-10	4.020	12.69	28	69,300	5460	6

\*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.)
12	170387	106	10	--	--	--	--	50
13	170689	84	10	--	--	--	--	40

Remarks: Total loads = 13

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