

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:	31 May 2011	Project No.:	0557-014
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)
68417	8

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  
gemitchell@tcco.com  
Remi Delcourt (remi@auburnconcrete.com)  
Jeff Evans, Amec (jeff.evans@amec.com)

Signed: Bertha Dawn

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

# R.W. GILLESPIE & ASSOCIATES

86 Industrial Park Road, Suite 4, Saco, ME 04072 (207) 286-8008  
 200 International Drive, Suite 170, Portsmouth, NH 03801 (603) 427-0244

## CONCRETE TEST/PLACEMENT REPORT

<b>Project Name:</b>	Terminal Enhancement at the Portland Jetport	<b>Date Cylinders Cast:</b>	23-May-11
<b>Project No:</b>	0557-014	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Weather Conditions:</b>	Overcast	<b>General Contractor:</b>	Turner Construction Company
<b>Method of Placement:</b>	Rear Discharge	<b>Design Strength:</b>	4000 PSI
<b>Admixtures:</b>	Mid Range Water Reducer	<b>Max. Aggregate Size:</b>	3/4 In.
<b>Placement Location:</b>	Southwest Footing for Landing Dock		
<b>Test Cylinder Location:</b>	Y8 to Y8 + 15' NW		

MAY 31 2011

Date Report Issued:

4x8 Cylinders	4	Cast By	Matt A O'Connor		Time
Load No.	1	Slump (in)	ASTM C 143	3.75	
Ticket No.	127235	Air (°F)		47	Batched @ 2:07 PM
Truck No.	106	Concrete (°F)		59.5	Arrived @ 2:25 PM
Cubic Yds.	8	Air Content (%)	ASTM C 231	6.8	Total Time 48 ±

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field Cure Days: 1

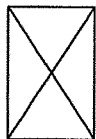
Date Received: 24-May-11

Condition of Cylinders: Good

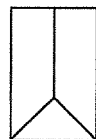
Lab No.	Test Date	Ave Dia (in)	Ave Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68417	31-May-11	4.010	12.63	8	75615	5990	2
68418	20-Jun-11			28			
68419	20-Jun-11			28			
68420	HOLD			H			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



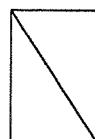
Cone  
1



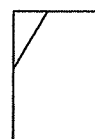
Cone & Split  
2



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	127236	116	8	--	--	--	--	30

Remarks: Curing Temps: High 75°, Low 51°

Checked by:   
 FOR Mathew T. Grady, Manager of MTS

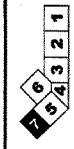
SHEET NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
5. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
6. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
7. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
8. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
9. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
10. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.

GENERAL NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
5. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
6. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
7. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
8. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
9. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
10. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.

KEY PLAN



S02.01.07

terminal expansion  
0557-014  
5/23/11  
MAO

placement  
location  
16EY Ftyg

