

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

Doughty & Associates, Inc.

362 U.S. Route One

Falmouth, ME 04105

Date:	November 24, 2004	Project No.:	438-05
Attention:	Mr. Phillip Doughty (pdarch@maine.rr.com)		
Re:	Concrete Testing New Jetways & Addition to Baggage Claim Portland Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
49483	7

Remarks:

Copy To: Roy Williams (rsw@portlandmaine.gov)  
Todd Neal, Becker Structural Engineering (Todd@beckerstructural.com)

Signed: Bertha Dawn

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

Material Type	Material	Target Wgt	Actual Wgt	Moisture %,
AGGREGATE	67 Stone	19180	19240	1.00
AGGREGATE	Sand	15780	15740	4.50
CEMENT	Cement	5500	5460	
ADMIX	Polar Set	550	550	
ADMIX	Darex II	21	21	
WATER	COLD WATER	215	193	
ADMIX	ADVA 140	170	170	
HAND'S ADD	DCI-S	0	0	

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**CONCRETE TEST/PLACEMENT REPORT**

**Project Name:** New Jetways & Addition to Baggage Claim  
**Project No:** 438-05  
**Weather Conditions:** Cloudy  
**Method of Placement:** Pump  
**Admixtures:** Adva, Darex  
**Placement Location:** Roof Curbing  
**Test Cylinder Location:** Line 44, Line Y

**Date Cylinders Cast:** 17-Nov-04  
**Concrete Supplier:** Auburn  
**General Contractor:** Ledgewood  
**Design Strength:** 3,000  
**Max Agg. Size:** 3/4

**Date Report Issued:** NOV 24 2004

6x12 Cylinders	4	Cast by	Chad N. Gryskwicz	Time	
Load No.	1	Slump (in) ASTM C 143	8.25	Batched @	6:31
Ticket No.	68453	Air (°F)	27	Arrived @	6:58
Truck No.	95	Concrete (°F) ASTM C 1064	68	Total Time	72
Cubic Yds.	11	Air Content (%) ASTM C 231	7.4		

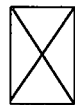
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received: 18-Nov-04  
 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
49483	24-Nov-04	5.991	28.19	7	87,820	3120	4
49484	15-Dec-04			28			
49485	15-Dec-04			28			
49486	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

**Types of Breaks**



Cone  
1



Cone & Split  
2



Cone & Shear  
3



Shear  
4



Columnar  
5

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)

Remarks:

Checked by: Matthew J. Gray  
 George S. Morrell, Supervisor  
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