

R. W. Gillespie & Associates, Inc.

86 Industrial Park Road, Suite 4, Saco, ME 04072 207-285-8008  
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:	October 7, 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)

48747

Age (Days)

7

Remarks:

Copy To: Roy Williams (rsw@ci.portland.me.us)

Todd Neal, Becker Structural Engineering (Todd@beckerstructural.com)

Signed: Bertha Dawn

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

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**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	New Jetways & Addition to Baggage Claim	<b>Date Cylinders Cast:</b>	30-Sep-04
<b>Project No:</b>	438-05	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Sunny	<b>General Contractor:</b>	Ledgewood
<b>Method of Placement:</b>	Rear Discharge	<b>Design Strength:</b>	3,000
<b>Admixtures:</b>	--	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	48.5, Line W.1 to 48.5, Line W.5, 49.8 Line W.1, 51.9, Line W.1 to X		
<b>Test Cylinder Location:</b>	Line W.1 to Line X		

**Date Report Issued:** OCT 08 2004

6x12 Cylinders	4	Cast by	Peter E. Callahan	Time	
Load No.	1	Slump (in) ASTM C 143	4.0	Batched @	10:21
Ticket No.	074195	Air (°F)	68	Arrived @	11:15
Truck No.	95	Concrete (°F) ASTM C 1064	65	Total Time	30
Cubic Yds.	4.5	Air Content (%) ASTM C 231	5.4		

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received: 01-Oct-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
48747	07-Oct-04	6.001	28.28	7	75,060	2650	4
48748	28-Oct-04			28			
48749	28-Oct-04			28			
48750	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

**Types of Breaks**



Cone  
1



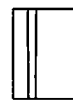
Cone & Split  
2



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:   
 George S. Morrell, Supervisor

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	7960	7980	1.00
AGGREGATE	Sand	6440	6400	5.75
CEMENT	Cement	2350	2330	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	7	7	
HAND'S ADD	ADVA	70	70	
WATER	COLD WATER	86	87	
ADMIX	ADVA 140	90	90	
HAND'S ADD	DCI-S	0	0	