

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:	October 21, 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)
48646	28
48647	28

Remarks:

Cylinder(s) #48646, 48647 did not pass the design strength on the 28 day breaks. The hold cylinder will be broken at 56 days on 11/18/04.

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

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

Signed: Bertha Dawn

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## CONCRETE TEST/PLACEMENT REPORT

**Project Name:** New Jetways & Addition to Baggage Claim  
**Project No:** 438-05  
**Weather Conditions:** Sunny  
**Method of Placement:** Rear Discharge  
**Admixtures:** --  
**Placement Location:** X.6 Line 18  
**Test Cylinder Location:** X.6 Line 18

**Date Cylinders Cast:** 23-Sep-04  
**Concrete Supplier:** Auburn  
**General Contractor:** Ledgewood  
**Design Strength:** 3,000  
**Max Agg. Size:** 3/4

**Date Report Issued:** OCT 22 2004

6x12 Cylinders	4	Cast by	Peter E. Callahan	Time	
Load No.	1	Slump (in) ASTM C 143	1.5	Batched @	2:10
Ticket No.	071584	Air (°F)	75	Arrived @	2:35
Truck No.	83	Concrete (°F) ASTM C 1064	80	Total Time	30
Cubic Yds.	1.5	Air Content (%) ASTM C 231	5.5		

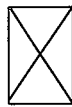
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
Date received: 24-Sep-04  
Condition of Cylinders: Good

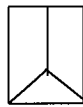
Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
48645	30-Sep-04	6.003	28.30	7	45,900	1620	4
48646	21-Oct-04	5.998	28.26	28	62,540	2210	4
48647	21-Oct-04	5.998	28.26	28	65,220	2310	4
48648	18-Nov-04			56			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



Cone  
1



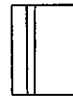
Cone & Split  
2



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