

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:	August 13, 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)
47068	28
47069	28

Remarks:

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

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>	16-Jul-04
<b>Project No:</b>	438-05	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Overcast	<b>General Contractor:</b>	Ledgewood
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	3,000
<b>Admixtures:</b>	Superplasticizer	<b>Max Agg. Size:</b>	3/4"
<b>Placement Location:</b>	Footing: X.2/L49.8 to L51.9, L51.9/X.2 to W, & W/L51.9 to L48.5		
<b>Test Cylinder Location:</b>	W.5/L51.9		

**Date Report Issued:** AUG 16 2004

6x12 Cylinders	4	Cast by	Marco C. Stone	Time	
Load No.	1	Slump (in) ASTM C 143	6.25	Batched @	8:46
Ticket No.	065829	Air (°F)	77	Arrived @	--
Truck No.	85	Concrete (°F) ASTM C 1064	76	Total Time	50
Cubic Yds.	10	Air Content (%) ASTM C 231	6.1		

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received: 17-Jul-04  
 Condition of Cylinders: Good

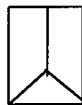
Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
47067	23-Jul-04	6.007	28.34	7	85,720	3025	4
47068	13-Aug-04	6.008	28.35	28	104,700	3690	4
47069	13-Aug-04	6.008	28.35	28	100,060	3530	4
47070	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

**Types of Breaks**



Cone  
1



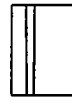
Cone & Split  
2



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.)
2	65831	82	10.00	--	--	--	--	42
3	65832	83	10.00	--	--	--	--	56
4	65834	85	10.00	--	--	--	--	61
5	65835	98	10.00	--	--	--	--	39
*6	65837	82	10.00	--	--	--	--	--

Remarks: \*Load #6 was not used.

Checked by:   
 George S. Morrell, Supervisor

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17920	2.00
AGGREGATE	Sand	14240	14040	5.25
CEMENT	Type II	5170	5210	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	179	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DEL-S	0	0	

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17920	2.00
AGGREGATE	Sand	14240	14140	5.25
CEMENT	Type II	5170	5168	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	179	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DEL-S	0	0	

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17840	2.00
AGGREGATE	Sand	14240	14160	5.25
CEMENT	Type II	5170	5190	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	179	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DEL-S	0	0	

FORWARDED TO YOU

PLACEMENT ON July 16, 2004

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17860	2.00
AGGREGATE	Sand	14380	14380	5.50
CEMENT	Type II	5170	5195	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA 140 @ 3oz/cwt	155	155	
WATER	COLD WATER	173	175	
ADMIX	ADVA 140	210	210	
<del>HAND'S ADD</del>	<del>DEI-S</del>	<del>0</del>	<del>0</del>	

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17780	2.00
AGGREGATE	Sand	14380	14300	5.25
CEMENT	Type II	5170	5180	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	173	173	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DEI-S	0	0	

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17840	2.00
AGGREGATE	Sand	14380	14290	5.25
CEMENT	Type II	5170	5195	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	173	173	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DEI-S	0	0	

PORTLAND J&T PORT

PLACEMENT ON July 16, 2004