

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:	September 16, 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)
48376	7
47907	28
47908	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

Project Name:	New Jetways & Addition to Baggage Claim	Date Cylinders Cast:	08-Sep-04
Project No:	438-05	Concrete Supplier:	Auburn
Weather Conditions:	Cloudy	General Contractor:	Ledgewood
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Superplasticizer	Max Agg. Size:	3/4
Placement Location:	Footing Line W.1 from Line 47 to 38.1		
Test Cylinder Location:	Line W; Line 41 of Footing		
			Date Report Issued: SEP 17 2004

6x12 Cylinders	4	Cast by	Chad N. Gryskwicz	Time
Load No.	1	Slump (in) ASTM C 143	8.75	Batched @
Ticket No.	071205	Air (°F)	78	Arrived @
Truck No.	96	Concrete (°F) ASTM C 1064	80	Total Time
Cubic Yds.	8.5	Air Content (%) ASTM C 231	4.3	32

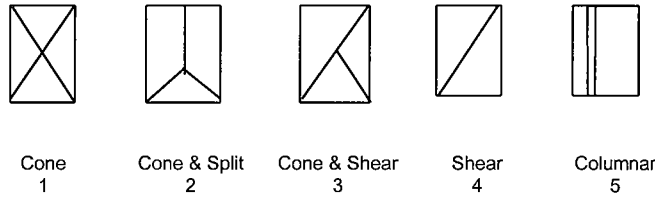
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 09-Sep-04
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
48376	15-Sep-04	6.005	28.32	7	104,620	3690	4
48377	06-Oct-04			28			
48378	06-Oct-04			28			
48379	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
2	71206	97	8.50	--	--	--	--	30
3	71210	96	8.00	--	--	--	--	21
4	71215	96	4.50	--	--	--	--	19

Remarks: Sampled at Ready Mix discharge.

Checked by: George S. Morrell
 George S. Morrell, Supervisor

Auburn Concrete - Auburn Plant

071215

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	7960	7980	1.00
AGGREGATE	Sand	6320	6260	4.00
CEMENT	Cement	2350	2345	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	7	7	
HAND'S ADD	ADVA	70	70	
WATER	COLD WATER	100	102	
ADMIX	ADVA 140	90	90	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

071210

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	14140	14180	1.00
AGGREGATE	Sand	11260	11140	4.00
CEMENT	Cement	4175	4175	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	13	13	
HAND'S ADD	ADVA	125	125	
WATER	COLD WATER	177	180	
ADMIX	ADVA 140	170	170	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

071206

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	15020	15020	1.00
AGGREGATE	Sand	11960	11880	4.00
CEMENT	Cement	4435	4415	33
ADMIX	Daraccel	0	0	
ADMIX	Darex II	13	13	
HAND'S ADD	ADVA	133	133	
WATER	COLD WATER	180	190	
ADMIX	ADVA 140	180	180	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

071205

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	15020	15060	1.00
AGGREGATE	Sand	11960	11960	4.00
CEMENT	Cement	4435	4410	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	13	13	
HAND'S ADD	ADVA	133	133	
WATER	COLD WATER	180	190	
ADMIX	ADVA 140	180	180	
HAND'S ADD	DCI-S	0	0	