

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 27, 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)
47294	28
47295	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:	27-Jul-04
Project No:	438-05	Concrete Supplier:	Auburn
Weather Conditions:	Showers	General Contractor:	Ledgewood
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Superplasticizer ADVA 140 (added at site)	Max Agg. Size:	3/4"
Placement Location:	Footing Walls Line W & 47 to 51.9, Line 51.9 & W to X.2, Line X.2 & 51.9 to 51; Elevator Pit W		
Test Cylinder Location:	Walls Line W, 49.8		

Date Report Issued: AUG 30 2004

6x12 Cylinders	4	Cast by	Matthew T. Grady	
Load No.	2	Slump (in) ASTM C 143	*7.0	Time Batched @ 1:08 Arrived @ 1:15 Total Time 2:10
Ticket No.	066137	Air (°F)	75	
Truck No.	101	Concrete (°F) ASTM C 1064	80	
Cubic Yds.	10	Air Content (%) ASTM C 231	5.2	

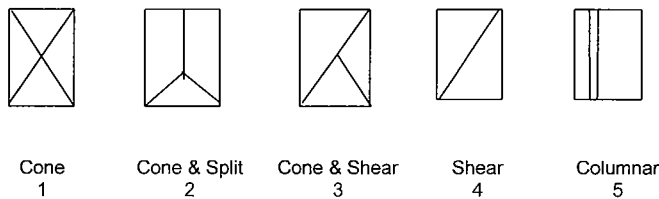
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 28-Jul-04
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
47293	03-Aug-04	6.002	28.29	7	88,620	3130	4
47294	24-Aug-04	6.007	28.34	28	119,400	4210	4
47295	24-Aug-04	6.007	28.34	28	122,400	4320	4
47296	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.)
1	66136	84	10.00	**4.25	75	79	--	32
3	66146	83	10.00	--	75.00	--	--	38.00
4	66143	84	8.00	--	76.00	--	--	--

Remarks: Reinforcing steel was checked for size, grade, and spacing, and was found to be in general conformance with project plan.

*Slump after adding superplasticizer.

**Slump before adding superplasticizer.

Checked by: 
 George S. Morrell, Supervisor

066136

Auburn Concrete - Auburn Plant

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17720	17700	1.25
AGGREGATE	Sand	14140	14100	4.50
CEMENT	Type II	5170	5190	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	207	209	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

066140

Auburn Concrete - Auburn Plant

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17720	17560	1.25
AGGREGATE	Sand	14140	14300	4.50
CEMENT	Type II	5170	5180	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	207	210	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

066137

Auburn Concrete - Auburn Plant

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17720	17640	1.25
AGGREGATE	Sand	14140	14160	4.50
CEMENT	Type II	5170	5190	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	207	209	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

066143

Auburn Concrete - Auburn Plant

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	14180	14200	1.25
AGGREGATE	Sand	11300	11280	4.50
CEMENT	Type II	4135	4150	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	12	12	
HAND'S ADD	ADVA	124	124	
WATER	COLD WATER	166	168	
ADMIX	ADVA 140	170	170	
HAND'S ADD	DCI-S	0	0	