

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:	November 17, 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)
48980	28
48981	28
49332	7
49336	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

Project Name: New Jetways & Addition to Baggage Claim
Project No: 438-05
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Polarset, ADVA, Darex
Placement Location: Baggage Slab, tug area
Test Cylinder Location: Line 41, Line V + 8'

Date Cylinders Cast: 10-Nov-04
Concrete Supplier: Auburn
General Contractor: Ledgewood
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: NOV 19 2004

6x12 Cylinders	4	Cast by	Chad N. Gryskwicz	Time	
Load No.	2	Slump (in) ASTM C 143	6.5	Batched @	6:06
Ticket No.	68267	Air (°F)	31	Arrived @	6:25
Truck No.	96	Concrete (°F) ASTM C 1064	67	Total Time	74
Cubic Yds.	10	Air Content (%) ASTM C 231	1.8		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 11-Nov-04
 Condition of Cylinders: Good

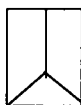
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
49332	17-Nov-04	5.991	28.19	7	100,540	3570	4
49333	08-Dec-04			28			
49334	08-Dec-04			28			
49335	HOLD			HOLD			

*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.)
1	68266	97	10	--	--	62	--	67
3	68269	101	10	--	--	65	--	61
4	68274	97	10	--	--	65	--	58

Remarks: Total loads = 6
 Cylinders moved at the request of Roland, the On Site Supervisor.

Checked by: 
 George S. Marrell, Supervisor

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	New Jetways & Addition to Baggage Claim	Date Cylinders Cast:	10-Nov-04
Project No:	438-05	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Ledgewood
Method of Placement:	Pump	Design Strength:	4,000
Admixtures:	Polarset, ADVA, Darex	Max Agg. Size:	3/4
Placement Location:	Baggage Slab, tug area		
Test Cylinder Location:	Line 47, Line V		

Date Report Issued: NOV 19 2004

6x12 Cylinders	4	Cast by	Chad N. Gryskwicz	Time	
Load No.	5	Slump (in) ASTM C 143	6.75	Batched @	7:53
Ticket No.	68276	Air (°F)	39	Arrived @	8:15
Truck No.	96	Concrete (°F) ASTM C 1064	68	Total Time	57
Cubic Yds.	10	Air Content (%) ASTM C 231	--		

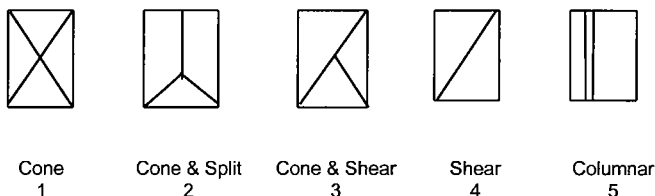
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 11-Nov-04
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
49336	17-Nov-04	5.991	28.19	7	104,200	3700	4
49337	08-Dec-04			28			
49338	08-Dec-04			28			
49339	HOLD			HOLD			

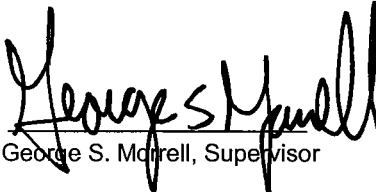
*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
6	68280	95	1	--	--	63	--	21

Remarks: Total loads = 6
 Cylinders moved at the request of Roland, the On Site Supervisor.

Checked by: 
 George S. Madrell, Supervisor

Auburn Concrete - Auburn Plant

068274

Material Type	Material	Target Wgt	Actual Wgt	Moisture %,
AGGREGATE	67 Stone	17180	17160	1.00
AGGREGATE	Sand	15000	15000	5.00
CEMENT	Cement	6200	6185	
ADMIX	Polar Set	1240	1240	
ADMIX	Darex II	0		
WATER	COLD WATER	209	210	
ADMIX	ADVA 140	250	250	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

068269

Material Type	Material	Target Wgt	Actual Wgt	Moisture %,
AGGREGATE	67 Stone	17180	17080	1.00
AGGREGATE	Sand	15000	15120	5.00
CEMENT	Cement	6200	6190	
ADMIX	Polar Set	1240	1240	
ADMIX	Darex II	0		
WATER	COLD WATER	209	210	
ADMIX	ADVA 140	250	250	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

068267

Material Type	Material	Target Wgt	Actual Wgt	Moisture %,
AGGREGATE	67 Stone	17180	17100	1.00
AGGREGATE	Sand	15000	14980	5.00
CEMENT	Cement	6200	6200	
ADMIX	Polar Set	1240	1240	
ADMIX	Darex II	0		
WATER	COLD WATER	209	210	
ADMIX	ADVA 140	250	250	
HAND'S ADD	DCI-S	0	0	

AGGREGATE	67 Stone	17680	17700	1.00
AGGREGATE	Sand	15680	15520	6.00
CEMENT	Cement	6200	6175	
ADMIX	Polar Set	1240	1240	
ADMIX	Darex II	0		
WATER	COLD WATER	186	187	
ADMIX	ADVA 140	250	250	
HAND'S ADD	DCI-S	0	0	

068266

Auburn Concrete - Auburn Plant

068276

Material Type	Material	Target Wgt	Actual Wgt	Moisture %,
AGGREGATE	67 Stone	17180	17200	1.00
AGGREGATE	Sand	15000	15000	5.00
CEMENT	Cement	6200	6190	
ADMIX	Polar Set	1240	1240	
ADMIX	Darex II	0		
WATER	COLD WATER	209	210	
ADMIX	ADVA 140	250	250	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

068280

Material Type	Material	Target Wgt	Actual Wgt	Moisture %,
AGGREGATE	67 Stone	1720	1720	1.00
AGGREGATE	Sand	1500	1540	5.00
CEMENT	Cement	620	605	
ADMIX	Polar Set	120	120	
ADMIX	Darex II	0		
WATER	COLD WATER	21	8	
ADMIX	ADVA 140	20	20	
HAND'S ADD	DCI-S	0	0	