

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 7, 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)
47574	28
47575	28
47578	28
47579	28
47582	28
47583	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:	04-Aug-04
Project No:	438-05	Concrete Supplier:	Auburn
Weather Conditions:	Partly Cloudy	General Contractor:	Ledgewood
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Superplasticizer	Max Agg. Size:	57 Stone
Placement Location:	Footings: Southeast Corner: 2' 8" South of X.6, 1' 6" East of 49.8; Northwest Corner: 5' West of 47, 2' North of F		
Test Cylinder Location:	Northwest Corner Level 1	Date Report Issued:	SEP 08 2004

6x12 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	3	Slump (in) ASTM C 143	4.25/7.5	Batched @	--
Ticket No.	070260	Air (°F)	--	Arrived @	--
Truck No.	101	Concrete (°F) ASTM C 1064	--	Total Time	30
Cubic Yds.	10	Air Content (%) ASTM C 231	4.2/4.5		

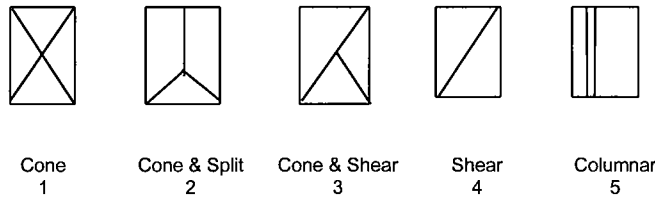
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 05-Aug-04
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
47573	11-Aug-04	6.009	28.36	7	71,820	2530	4
47574	01-Sep-04	6.007	28.34	28	100,220	3540	4
47575	01-Sep-04	6.007	28.34	28	98,720	3480	4
47576	HOLD			HOLD			

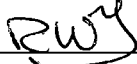
*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	70256	98	10.00	--	--	--	--	30
2	70259	95	10.00	--	--	--	--	30
4	70264	82	10.00	--	--	--	--	30
5	70265	95	10.00	--	--	--	--	30

Remarks: Slump & air content results are before superplasticizer/after superplasticizer.
 Cylinders were made before adding superplasticizer.
 Total loads = 12

Checked by: 
 George S. Morrell, Supervisor

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	New Jetways & Addition to Baggage Claim	Date Cylinders Cast:	04-Aug-04
Project No:	438-05	Concrete Supplier:	Auburn
Weather Conditions:	Partly Cloudy	General Contractor:	Ledgewood
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Superplasticizer	Max Agg. Size:	57 Stone
Placement Location:	Footings: Southeast Corner: 2' 8" South of X.6, 1' 6" East of 49.8; Northwest Corner: 5' West of 47, 2' North of F		
Test Cylinder Location:	Northwest Corner Level 2	Date Report Issued:	SEP 08 2004

6x12 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	7	Slump (in) ASTM C 143	5.0	Batched @
Ticket No.	070274	Air (°F)	77	Arrived @
Truck No.	82	Concrete (°F) ASTM C 1064	80	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	4.6	30

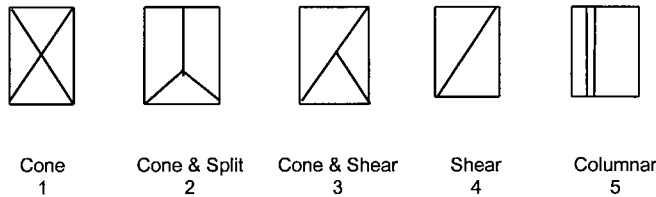
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 05-Aug-04
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
47577	11-Aug-04	6.009	28.36	7	72,120	2540	4
47578	01-Sep-04	6.007	28.34	28	102,740	3630	4
47579	01-Sep-04	6.007	28.34	28	102,960	3630	4
47580	HOLD			HOLD			

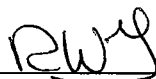
*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
6	70272	101	10.00	--	77	--	--	40
8	70275	84	10.00	--	--	--	--	30
9	70276	95	10.00	--	--	--	--	35
10	70279	101	10.00	--	--	--	--	35

Remarks: Total loads = 12

Checked by: 
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CONCRETE TEST/PLACEMENT REPORT

Project Name:	New Jetways & Addition to Baggage Claim	Date Cylinders Cast:	04-Aug-04
Project No:	438-05	Concrete Supplier:	Auburn
Weather Conditions:	Partly Cloudy	General Contractor:	Ledgewood
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Superplasticizer	Max Agg. Size:	57 Stone
Placement Location:	Footings: Southeast Corner: 2' 8" South of X.6, 1' 6" East of 49.8; Northwest Corner: 5' West of 47, 2' North of F		
Test Cylinder Location:	Northeast Corner of Footing	Date Report Issued:	SEP 08 2004

6x12 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	11	Slump (in) ASTM C 143	4.75	Batched @
Ticket No.	070280	Air (°F)	82	Arrived @
Truck No.	82	Concrete (°F) ASTM C 1064	81	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	4.6	30

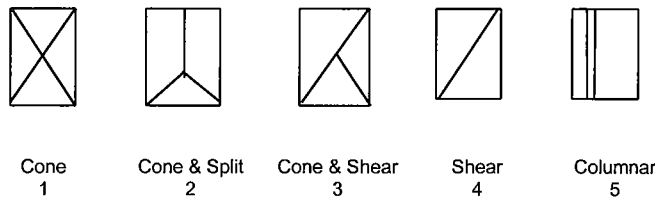
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received: 05-Aug-04
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
47581	11-Aug-04	6.009	28.36	7	65,960	2330	4
47582	01-Sep-04	6.007	28.34	28	93,740	3310	4
47583	01-Sep-04	6.007	28.34	28	91,380	3220	4
47584	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.)
12	70287	97	6.50	--	--	--	--	20

Remarks: Total loads = 12

Checked by: 
 George S. Morrell, Supervisor

Auburn Concrete - Auburn Plant

070272

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17860	2.00
AGGREGATE	Sand	14240	14360	5.25
CEMENT	TYPE II	5170	5170	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	181	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

070275

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17820	2.00
AGGREGATE	Sand	14240	14160	5.25
CEMENT	TYPE II	5170	5200	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	15	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	190	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

070276

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17840	2.00
AGGREGATE	Sand	14240	14140	5.25
CEMENT	TYPE II	5170	5190	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	15	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	180	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

070279

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17840	2.00
AGGREGATE	Sand	14240	14280	5.25
CEMENT	TYPE II	5170	5165	
ADMIX	Daraccol	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	180	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

Auburn Concrete - Auburn Plant

070256

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17820	2.00
AGGREGATE	Sand	14240	14180	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	180	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

070259

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17820	2.00
AGGREGATE	Sand	14180	14140	4.75
CEMENT	Type II	5170	5210	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	187	189	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

070260

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17820	2.00
AGGREGATE	Sand	44180	14120	4.75
CEMENT	Type II	5170	5210	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	187	188	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

070264

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17860	2.00
AGGREGATE	Sand	14240	14200	5.25
CEMENT	Type II	5170	5170	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	170	181	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

070265

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17340	2.00
AGGREGATE	Sand	14240	14280	5.25
CEMENT	Type II	5170	5185	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	180	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

070280

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	17860	17820	2.00
AGGREGATE	Sand	14240	14180	5.25
CEMENT	Type II	5170	5210	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	16	16	
HAND'S ADD	ADVA	155	155	
WATER	COLD WATER	178	190	
ADMIX	ADVA 140	210	210	
HAND'S ADD	DCI-S	0	0	

070287

Material Type	Material	Target Wgt	Actual Wgt	Moisture %
AGGREGATE	67 Stone	11600	11580	2.00
AGGREGATE	Sand	9260	9220	5.25
CEMENT	Type II	3360	3410	
ADMIX	Daraccel	0	0	
ADMIX	Darex II	10	10	
HAND'S ADD	ADVA	101	101	
WATER	COLD WATER	115	118	
ADMIX	ADVA 140	130	130	
HAND'S ADD	DCI-S	0	0	