

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

City of Portland, Portland Int. Jetport
1001 Westbrook Street
Portland, Maine 04102

Date:	December 10, 2010	Project No.:	557-14
Attention:	Mr. Cuyler Feagles (cmf@portlandmaine.gov)		
Re:	Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine		

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
67914	7
67918	7
67922	7

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
 Jim Stanislaski: jim_stanislaski@gensler.com
 Cliff Takara: clifford_takara@gensler.com
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 gemitchell@tcco.com
 Remi Delcourt (remi@auburnconcrete.com)
 Jeff Evans, Amec (jeff.evans@amec.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:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	03-Dec-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Partly Cloudy	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer, 1% Pozzoloth 122HE	Max Agg. Size:	3/8
Placement Location:	Stairs		
Test Cylinder Location:	See Attached Sketch		

Date Report Issued: **DEC 10 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time		
Load No.	1	Slump (in) ASTM C 143	5.75		Batched @	9:30
Ticket No.	166359	Air (°F)	31		Arrived @	7:00
Truck No.	86	Concrete (°F) ASTM C 1064	64		Total Time	55±
Cubic Yds.	5	Air Content (%) ASTM C 231	2.8			

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 06-Dec-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67914	10-Dec-10	4.009	12.62	7	47,140	3740	2
67915	03-Jan-11			31			
67916	03-Jan-11			31			
67917	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



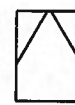
Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
2	166363	97	5	--	--	--	--	60±
3	166366	76	5	--	--	--	--	--

Remarks: Curing Temperatures: Max = 78°, Min = 37°

Checked by: *Matthew T. Grady*
 FOR Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Bucket & Crane
Admixtures: Mid Range Water Reducer, 1% Pozzutec 20+
Placement Location: Elevator Shaft Roof Slabs
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 03-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: DEC 10 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	1	Slump (in) ASTM C 143	5.25	
Ticket No.	166377	Air (°F)	38	
Truck No.	76	Concrete (°F) ASTM C 1064	66	
Cubic Yds.	10	Air Content (%) ASTM C 231	--	
				Arrived @ 10:40
				Total Time 110±

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
Date received 06-Dec-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67918	10-Dec-10	4.009	12.62	7	55,400	4390	5
67919	03-Jan-11			31			
67920	03-Jan-11			31			
67921	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



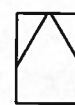
Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)

Remarks: Curing Temperatures: Max = 78°, Min = 37°
 Light weight concrete.

Checked by:
 Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 1% Pozzutec 20+
Placement Location: 5th Level Curbs
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 03-Dec-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: DEC 10 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	
Load No.	1	Slump (in) ASTM C 143	4.75	Time Batched @ 12:14 Arrived @ 12:35 Total Time *90
Ticket No.	166384	Air (°F)	40	
Truck No.	97	Concrete (°F) ASTM C 1064	66	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.8	

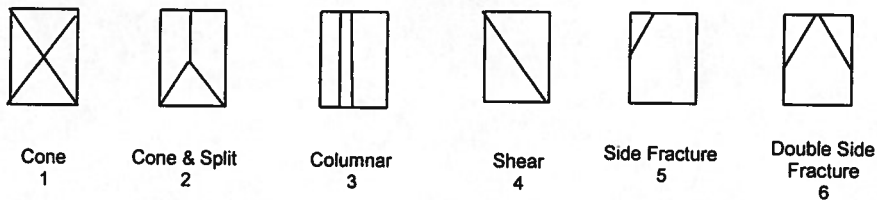
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
Date received 06-Dec-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67922	10-Dec-10	4.009	12.62	7	40,960	3250	2
67923	03-Jan-11			31			
67924	03-Jan-11			31			
67925	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	166390	99	5	--	--	--	--	--

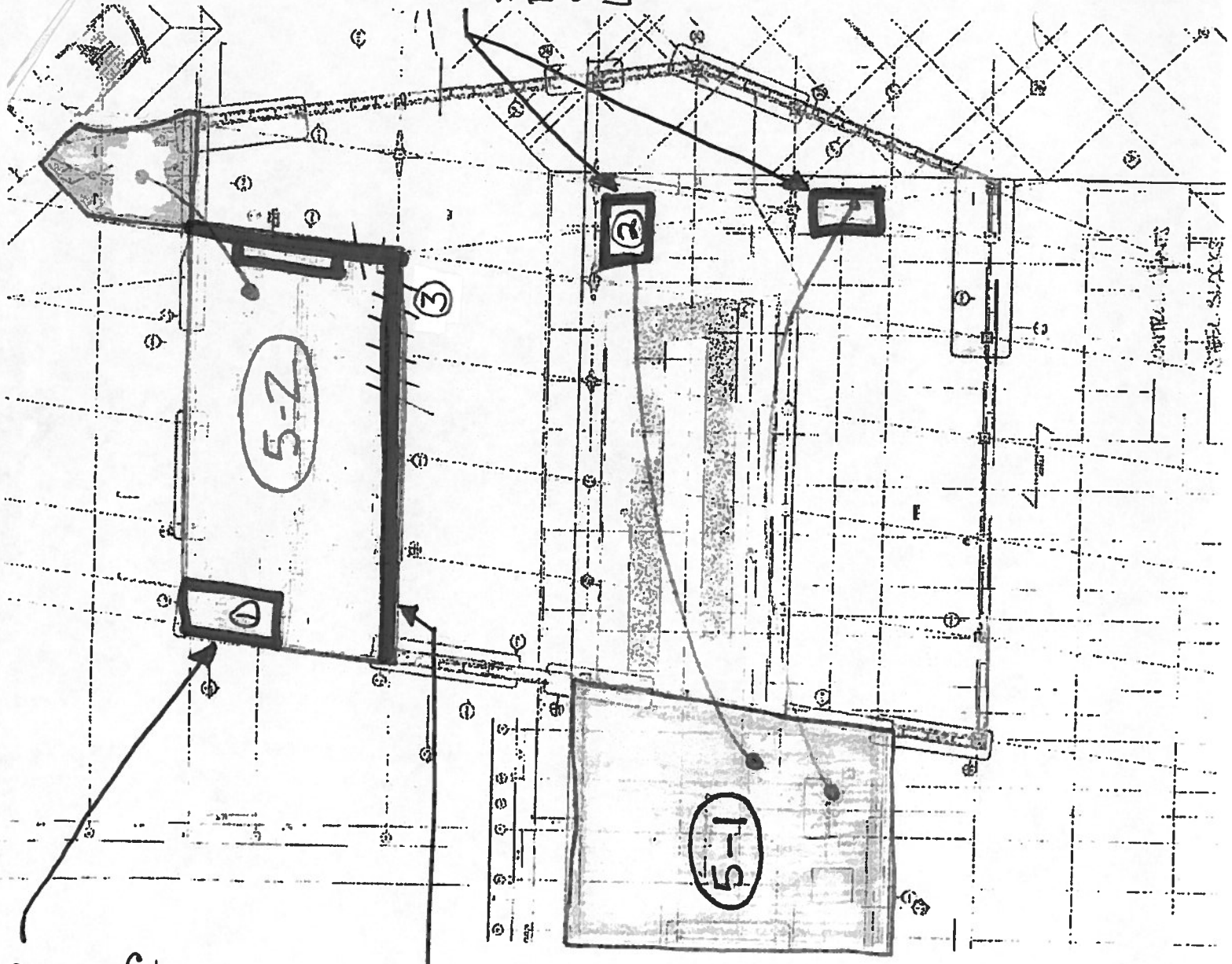
Remarks: Curing Temperatures: Max = 78°, Min = 37°
 *Load 1 was sent away half full.

Checked by: 
 for Matthew T. Grady, Manager of MTS

STAIRS - TOP
TO BOTTOM
SAMPLE 1
COLLECTED @
4TH LEVEL
LANDING

CURBING

ELEVATOR
SHAFTS
ROOF SLABS
ON DECK
LIGHT WEIGHT
CONCRETE



PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
557-14
2/3/2010
YJK