

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:	August 17, 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)
66669	7
66673	7

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
 Jim Stanislaski: jim_stanislaski@gensler.com
 Cliff Takara: clifford_takara@gensler.com
 Lacey Fogg: Lacey.Fogg@amec.com
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 gemitchell@tcco.com

Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Mid range water reducer
Placement Location: Walls: XF/ZA-Z3 Footings: XJ/Y3, Y4+Y5, 5' south of XJ/Y2.5-Y7
Test Cylinder Location: Wall XF/Z1-Z2

Date Cylinders Cast: 09-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: AUG 17 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	6	Batched @	12:18
Ticket No.	178200	Air (°F)	85	Arrived @	12:45
Truck No.	96	Concrete (°F) ASTM C 1064	84	Total Time	40
Cubic Yds.	9	Air Content (%) ASTM C 231	5.7		

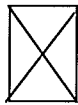
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
 Date received 11-Aug-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66669	16-Aug-10	4.015	12.66	7	54,160	4280	2
66670	07-Sep-10			29			
66671	07-Sep-10			29			
66672	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

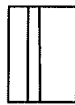
Types of Breaks



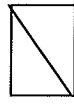
Cone
1



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.)
1	178199	97	9.5	--	--	--	--	45
3	178201	108	9.5	--	--	--	--	40
4	178202	116	9.5	--	--	--	--	40
5	178203	97	9.5	--	--	--	--	35
6	178204	108	9.5	--	--	--	--	30

Remarks: Curing Temperatures: Max = 86°, Min = 73°
 9 Total Loads

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	09-Aug-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	4,000
Admixtures:	Mid range water reducer	Max Agg. Size:	3/4
Placement Location:	Walls: XF/ZA-Z3 Footings: XJ/Y3, Y4+Y5, 5' south of XJ/Y2.5-Y7		
Test Cylinder Location:	Footings: XJ/Y3		

Date Report Issued: **AUG 17 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	7	Slump (in) ASTM C 143	6	Batched @	2:08
Ticket No.	178205	Air (°F)	85	Arrived @	2:30
Truck No.	116	Concrete (°F) ASTM C 1064	84	Total Time	40
Cubic Yds.	9.5	Air Content (%) ASTM C 231	7.2		

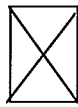
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
Date received 11-Aug-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66673	16-Aug-10	4.015	12.66	7	48,620	3840	2
66674	07-Sep-10			29			
66675	07-Sep-10			29			
66676	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



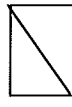
Cone
1



Cone & Split
2



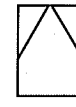
Columnar
3



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
8	178206	97	9.5	--	--	--	--	35
9	178207	108	8	--	--	--	--	30

Remarks: Curing Temperatures: Max = 86°, Min = 73°
9 Total Loads

Checked by:
Matthew T. Grady, Manager of MTS