

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:	September 3, 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)
66884	7
66888	7

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
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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: Electric room slab
Test Cylinder Location: south corner of slab

Date Cylinders Cast: 27-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/8

Date Report Issued: **SEP 07 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich		
Load No.	1	Slump (in) ASTM C 143	5.5	Time	Batched @
Ticket No.	174982	Air (°F)	63		Arrived @
Truck No.	97	Concrete (°F) ASTM C 1064	71		Total Time
Cubic Yds.	105	Air Content (%) ASTM C 231	2.4		7:42 8:00 40±

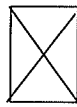
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 30-Aug-10
 Condition of Cylinders: Good

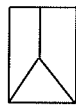
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66884	03-Sep-10	4.020	12.69	7	41,060	3240	5
66885	24-Sep-10			28			
66886	24-Sep-10			28			
66887	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



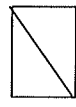
Cone
1



Cone & Split
2



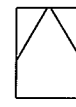
Columnar
3



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	174983	86	10.5	--	--	--	--	45
3	174984	102	4.0	--	--	--	--	40

Remarks:

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:	27-Aug-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Rear discharge	Design Strength:	4,500
Admixtures:	Mid range water reducer	Max Agg. Size:	3/4
Placement Location:	Fuel Tank pad		
Test Cylinder Location:	Fuel Tank pad		

Date Report Issued: SEP 07 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	
Load No.	1	Slump (in) ASTM C 143	6.25	Time Batched @ 9:15 Arrived @ 9:40 Total Time 45
Ticket No.	174985	Air (°F)	70	
Truck No.	86	Concrete (°F) ASTM C 1064	73	
Cubic Yds.	7	Air Content (%) ASTM C 231	5.3	

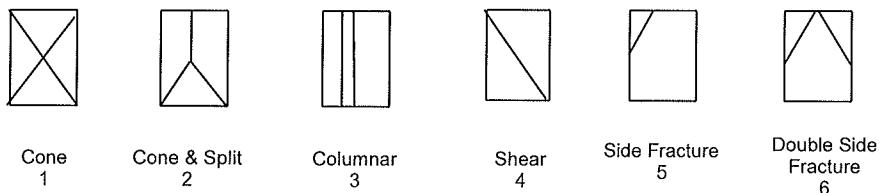
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 30-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
66888	03-Sep-10	4.020	12.69	7	60,340	4750	2
66889	24-Sep-10			28			
66890	24-Sep-10			28			
66891	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.)

Remarks:

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