

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 27, 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)
66885	28
66886	28
66889	28
66890	28

Remarks:

Copy To:

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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 27 2010**

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

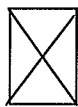
*Concrete sampled by ASTM C 172

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

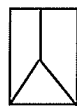
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66884	03-Sep-10	4.020	12.69	7	41,060	3240	5
66885	24-Sep-10	4.016	12.67	28	68,600	5410	5
66886	24-Sep-10	4.016	12.67	28	67,300	5310	5
66887	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



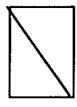
Cone
1



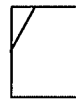
Cone & Split
2



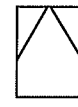
Columnar
3



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
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Rear discharge
Admixtures: Mid range water reducer
Placement Location: Fuel Tank pad
Test Cylinder Location: Fuel Tank pad

Date Cylinders Cast: 27-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,500
Max Agg. Size: 3/4

Date Report Issued: **SEP 27 2010**

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

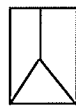
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66888	03-Sep-10	4.020	12.69	7	60,340	4750	2
66889	24-Sep-10	4.016	12.67	28	71,120	5610	2
66890	24-Sep-10	4.016	12.67	28	73,540	5800	2
66891	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



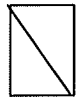
Cone
1



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:

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