

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 4, 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)
66144	28
66145	28

Remarks:

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Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	07-Jul-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:	Footings: XJ/Y6.5 and Y7, XH.5/Y7; Piers: XF/Y7.5, Y6.5, Y5.5, Y4.5; Walls: North side of XF/Y5 + Y7		
Test Cylinder Location:	All 4 Piers and Footing at XH.5/Y7	Date Report Issued:	AUG 06 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	6.0	Batched @	12:39
Ticket No.	167132	Air (°F)	82	Arrived @	1:05
Truck No.	94	Concrete (°F) ASTM C 1064	85	Total Time	75
Cubic Yds.	10	Air Content (%) ASTM C 231	4.0		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 08-Jul-10
 Condition of Cylinders: Good

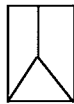
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66143	14-Jul-10	4.014	12.65	7	51,260	4050	3
66144	04-Aug-10	4.022	12.70	28	69,500	5470	3
66145	04-Aug-10	4.022	12.70	28	69,800	5500	2
66146	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



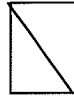
Cone
1



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	167131	84	10	--	--	88	--	75
3	167133	98	10	--	--	83	--	35
*4	167134	96	8	7.25/6	--	84/86	--	75

Remarks: Curing Temperatures: Max = 85°, Min = 74°

*Load 4 arrived with high slump. It was mixed for 20 minutes and the slump was lowered to within spec.

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