

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 19, 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)
66442	28
66443	28
66446	28
66447	28

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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 TMM@portlandmaine.gov
 ldobson@portlandmaine.gov
 rdixon@tcco.com
 gemitchell@tcco.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:	22-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:	Area B: Footing: Z6/XH; Piers: XG/Y.8, XH/Y6.5, Y7, Y7.5, Y8, XJ/Y8; Elevator Pit		
Test Cylinder Location:	Footing: XH/Z6		

Date Report Issued: **AUG 19 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	5.25	Batched @	11:03
Ticket No.	167573	Air (°F)	76	Arrived @	11:20
Truck No.	79	Concrete (°F) ASTM C 1064	85	Total Time	75
Cubic Yds.	10	Air Content (%) ASTM C 231	5.5		

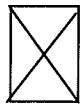
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 5
Date received 27-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
66441	29-Jul-10	4.022	12.70	7	44,460	3500	5
66442	19-Aug-10	4.016	12.67	28	60,280	4760	3
66443	19-Aug-10	4.016	12.67	28	52,960	4180	5
66444	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



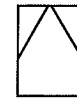
Columnar
3



Shear
4



Side Fracture
5

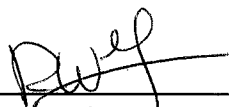


Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	167571	96	10	--	--	--	--	75
3	167574	84	10	--	--	--	--	75
4	167577	101	10	--	--	--	--	65
5	167578	84	10	--	--	--	--	--

Remarks: Total loads = 9

Curing Temperatures: Max = 83°, Min = 62°

Checked by: 
Matthew T. Grady, Manager of MTS

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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:	Area C: Walls: XJ/10' Southeast of Z2 - 2' Southeast of Z2, Halfway between Y1.5 & Y2/XJ - 10' Southwest of XJ, 10' Southwest of XJ/Halfway between Y1.5 & Y2 - Y2.5; Footings: XK/Y2 & Y3		
Test Cylinder Location:	Footing: XK/Y2 & Y3	Date Report Issued:	AUG 19 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	5.5		Batched @ 1:08
Ticket No.	167579	Air (°F)	76		Arrived @ 1:29
Truck No.	97	Concrete (°F) ASTM C 1064	83		Total Time 30
Cubic Yds.	10	Air Content (%) ASTM C 231	5.2		

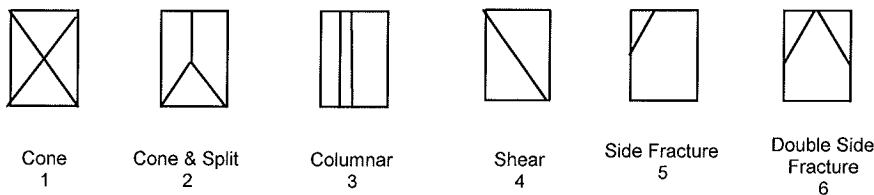
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 5
 Date received 27-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
66445	29-Jul-10	4.022	12.70	7	47,740	3760	5
66446	19-Aug-10	4.016	12.67	28	60,260	4760	2
66447	19-Aug-10	4.016	12.67	28	57,640	4550	2
66448	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.)
7	167580	101	10	--	--	--	--	30
8	167581	84	10	--	--	--	--	40
9	167582	97	6	--	--	--	--	35

Remarks: Total loads = 9
 Curing Temperatures: Max = 83°, Min = 62°

Checked by: 
 Matthew T. Grady, Manager of MTS