

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 24, 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)
66462	28
66463	28
66466	28
66467	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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Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sun
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Area C, Zone 5: Footings from XL to 10' Northeast of XM at Lines Y2, Y3, & Y4, Footings from Y4.5 - Y5.5/XM, XM.5/Y4.8 - Y5.8, Y4.8/XM - XM.5

Date Cylinders Cast: 27-Jul-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Test Cylinder Location: Footing at Y2/XL - 10' Northeast of XM
Date Report Issued: **AUG 25 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	5.0	Batched @	12:35
Ticket No.	167601	Air (°F)	82	Arrived @	12:55
Truck No.	118	Concrete (°F) ASTM C 1064	82	Total Time	30
Cubic Yds.	10.5	Air Content (%) ASTM C 231	6.4		

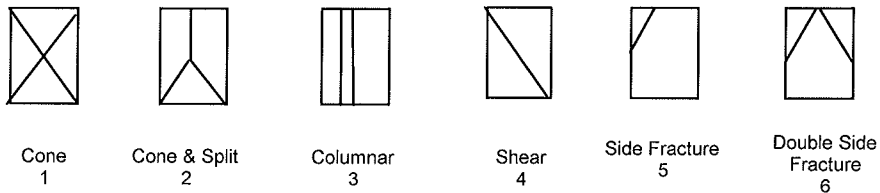
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 28-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
66461	03-Aug-10	4.010	12.63	7	47,520	3760	5
66462	24-Aug-10	4.013	12.65	28	61,580	4870	3
66463	24-Aug-10	4.013	12.65	28	60,540	4790	5
66464	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.)
2	167602	81	10.5	--	--	--	--	35
3	177984	84	10.5	--	--	--	--	40
4	177986	86	10.5	--	--	--	--	40
5	177989	82	10.5	--	--	--	--	35

Remarks: Curing Temperatures: Max = 85°, Min = 60°

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-Jul-10
Project No:	557-114	Concrete Supplier:	Auburn
Weather Conditions:	Sun	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, Zone 5: Footings from XL to 10' Northeast of XM at Lines Y2, Y3, & Y4, Footings from Y4.5 - Y5.5/XM, XM.5/Y4.8 - Y5.8, Y4.8/XM - XM.5		
Test Cylinder Location:	Footings from Y4.8 - Y5.8/XM.5	Date Report Issued:	AUG 25 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	6	Slump (in) ASTM C 143	6.0	Batched @
Ticket No.	177992	Air (°F)	82	Arrived @
Truck No.	118	Concrete (°F) ASTM C 1064	82	Total Time
Cubic Yds.	10.5	Air Content (%) ASTM C 231	4.8	35

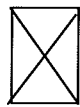
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 28-Jul-10
Condition of Cylinders: Good

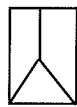
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66465	03-Aug-10	4.020	12.69	7	47,600	3750	5
66466	24-Aug-10	4.013	12.65	28	61,940	4900	3
66467	24-Aug-10	4.013	12.65	28	62,260	4920	3
66468	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

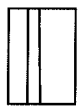
Types of Breaks



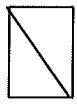
Cone
1



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: Curing Temperatures: Max = 85°, Min = 60°

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