

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:	July 28, 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)
66063	28
66064	28
66067	28
66068	28

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
 Jim Stanislaski: jim_stanislaski@gensler.com
 Cliff Takara: clifford_takara@gensler.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: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: See attached sketch
Test Cylinder Location: Footing: 1ZA - E3

Date Cylinders Cast: 30-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 30 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	2	Slump (in) ASTM C 143	4.5	Batched @	1:28
Ticket No.	167053	Air (°F)	71	Arrived @	1:50
Truck No.	86	Concrete (°F) ASTM C 1064	77	Total Time	32
Cubic Yds.	10	Air Content (%) ASTM C 231	5.1		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 01-Jul-10
 Condition of Cylinders: Good

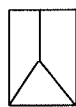
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66062	07-Jul-10	4.015	12.66	7	44,720	3530	2
66063	28-Jul-10	4.019	12.69	28	69,980	5510	5
66064	28-Jul-10	4.019	12.69	28	62,660	4940	2
66065	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

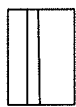
Types of Breaks



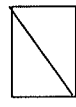
Cone
1



Cone & Split
2



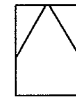
Columnar
3



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	167052	78	10	--	--	--	--	35
3	167055	94	10	--	--	--	--	37
4	167056	78	10	--	--	--	--	60

Remarks: 8 Total Loads
 Curing Temperatures: Max = 84°, Min = 55°

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

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Admixtures: Mid Range Water Reducer
Placement Location: See attached sketch
Test Cylinder Location: Footing: Y2.5 - XJ

Date Cylinders Cast: 30-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 30 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour			
Load No.	6	Slump (in) ASTM C 143	5.5	Time	Batched @	3:20
Ticket No.	167060	Air (°F)	71		Arrived @	3:50
Truck No.	94	Concrete (°F) ASTM C 1064	77		Total Time	40
Cubic Yds.	10	Air Content (%) ASTM C 231	6.2			

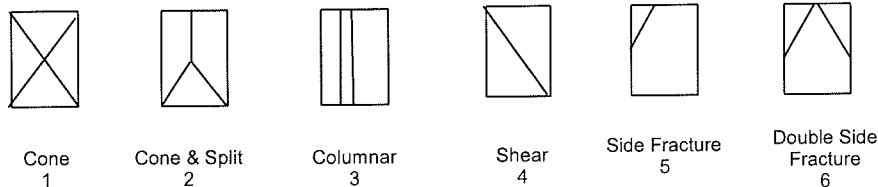
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 01-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
66066	07-Jul-10	4.015	12.66	7	37,040	2930	2
66067	28-Jul-10	4.019	12.69	28	69,740	5500	2
66068	28-Jul-10	4.019	12.69	28	69,280	5460	2
66069	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.)
5	167058	86	10	--	--	--	--	33
7	167061	98	10	--	--	--	--	40
8	167062	76	4	--	--	--	--	41

Remarks: 8 Total Loads
 Curing Temperatures: Max = 84°, Min = 55°

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

