

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 22, 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)
66290	7
66294	7

Remarks:

Copy To:  
Roy Williams: rsw@portlandmaine.gov  
Jim Stanislaski: jim\_stanislaski@gensler.com  
Cliff Takara: clifford\_takara@gensler.com  
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gemitchell@tcco.com

Signed: Bertha Dawn

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**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	Terminal Enhancement, Portland Int. Jetport	<b>Date Cylinders Cast:</b>	15-Jul-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Sunny	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	4,000
<b>Admixtures:</b>	Mid Range Water Reducer	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	Area B, zone 5 Walls along Y8 from XF.5 to XJ, Along XJ from Y8 to Y7, along Y7 from XJ to XL Footings Along Line 8 from XK to XM		
<b>Test Cylinder Location:</b>	Footings XL, Y8	<b>Date Report Issued:</b>	<b>JUL 23 2010</b>

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	2	Slump (in) ASTM C 143	6	Batched @
Ticket No.	167511	Air (°F)	83	Arrived @
Truck No.	101	Concrete (°F) ASTM C 1064	88	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	5.4	

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 16-Jul-10  
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66290	22-Jul-10	4.016	12.67	7	56,700	4480	2
66291	12-Aug-10			28			
66292	12-Aug-10			28			
66293	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



Cone  
1



Cone & Split  
2



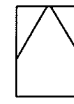
Columnar  
3



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	510	96	10	--	--	88	--	45
3	512	86	10	--	--	--	--	35
4	513	94	10	--	--	--	--	35
5	514	96	10	--	--	--	--	--

Remarks: 7 Total Loads

Checked by:   
 Matthew T. Grady, Manager of VITS

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**CONCRETE TEST/PLACEMENT REPORT**

<b>Project Name:</b>	Terminal Enhancement, Portland Int. Jetport	<b>Date Cylinders Cast:</b>	15-Jul-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Sunny	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	4,000
<b>Admixtures:</b>	Mid Range Water Reducer	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	Area B, zone 5 Walls along Y8 from XF.5 to XJ, Along XJ from Y8 to Y7, along Y7 from XJ to XL Footings Along Line 8 from XK to XM		
<b>Test Cylinder Location:</b>	Wall along line XJ, Y7 to Y8	<b>Date Report Issued:</b>	<b>JUL 23 2010</b>

4x8 Cylinders	4	Cast by	Michael J. Kramlich	
Load No.	6	Slump (in) ASTM C 143	6	Time Batched @ 2:17 Arrived @ 2:50 Total Time 50
Ticket No.	167517	Air (°F)	83	
Truck No.	101	Concrete (°F) ASTM C 1064	88	
Cubic Yds.	10	Air Content (%) ASTM C 231	5.9	

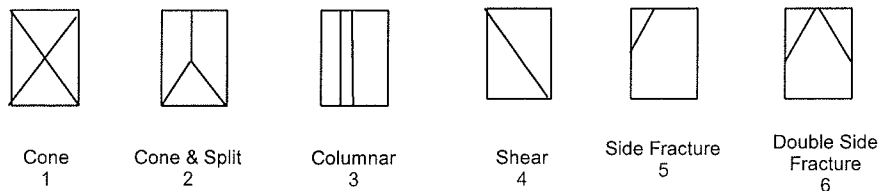
\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 16-Jul-10  
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66294	22-Jul-10	4.016	12.67	7	50,280	3970	3
66295	12-Aug-10			28			
66296	12-Aug-10			28			
66297	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.)
1	510	96	10	--	--	88	--	45
3	512	86	10	--	--	--	--	35
4	513	94	10	--	--	--	--	35
5	514	96	10	--	--	--	--	--

Remarks: 7 Total Loads

Checked by:   
 Matthew T. Grady, Manager of M/S