

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 12, 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)
66595	7
66599	7

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
 Mike Fusco: mfusco@tcco.com
 Shaun Winner: swinner@tcco.com
 Phil Coleman: pcoleman@tcco.com
 Elizabeth O'Toole: eotoole@tcco.com
 TMM@portlandmaine.gov
 ldobson@portlandmaine.gov
 rdixon@tcco.com
 gemitchell@tcco.com

Signed: Bertha Dawn

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

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Footings at XF/Z1 - Z3
Test Cylinder Location: Footing at XF/Z3

Date Cylinders Cast: 05-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: **AUG 13 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich			
Load No.	2	Slump (in) ASTM C 143	5.75	Time	Batched @	11:20
Ticket No.	178171	Air (°F)	76		Arrived @	11:40
Truck No.	84	Concrete (°F) ASTM C 1064	86		Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	5.6			

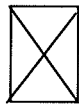
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 06-Aug-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66595	12-Aug-10	4.014	12.65	7	52,780	4170	2
66596	02-Sep-10			28			
66597	02-Sep-10			28			
66598	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

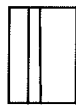
Types of Breaks



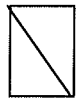
Cone
1



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	178170	116	10	--	--	--	--	40
3	178172	94	10	--	--	--	--	35
4	178173	101	10	--	--	--	--	30
5	178174	86	10	--	--	--	--	40

Remarks: Total loads = 10

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

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

CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Footings at XF/Z1 - Z3
Test Cylinder Location: Footing at XF/Z3

Date Cylinders Cast: 05-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: **AUG 13 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	6	Slump (in) ASTM C 143	5.75	
Ticket No.	178175	Air (°F)	76	
Truck No.	97	Concrete (°F) ASTM C 1064	86	
Cubic Yds.	10	Air Content (%) ASTM C 231	5.5	
				Arrived @ 12:25
				Total Time 30

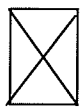
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 06-Aug-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66599	12-Aug-10	4.014	12.65	7	54,460	4310	2
66600	02-Sep-10			28			
66601	02-Sep-10			28			
66602	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



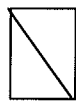
Cone
1



Cone & Split
2



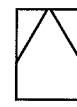
Columnar
3



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.)
7	178176	116	10	--	--	--	--	35
8	178178	94	10	--	--	--	--	35
9	178179	101	10	--	--	--	--	35
10	--	--	10	--	--	--	--	--

Remarks: Total loads = 10

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