

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:	September 30, 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)
66929	28
66930	28
66933	28
66934	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
 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
 Remi Delcourt (remi@auburnconcrete.com)

Signed: Bertha Dawn

If enclosures are not as noted, kindly notify us at once.

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: Sunny
Method of Placement: Pump
Admixtures: Glenium 7500, Micro Air, Pozzolith 100XR
Placement Location: Tower Crane Footing
Test Cylinder Location: Tower Crane Footing Northeast Corner

Date Cylinders Cast: 02-Sep-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 5,000
Max Agg. Size: 3/4

OCT 01 2010

Date Report Issued:

4x8 Cylinders	4	Cast by	Rodney R. Collard	Time	
Load No.	1	Slump (in) ASTM C 143	8.0	Batched @	12:15
Ticket No.	175209	Air (°F)	93	Arrived @	--
Truck No.	97	Concrete (°F) ASTM C 1064	82	Total Time	30
Cubic Yds.	10	Air Content (%) ASTM C 231	4.6		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1

Date received 03-Sep-10

Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66928	09-Sep-10	4.013	12.65	7	59,480	4700	5
66929	30-Sep-10	4.014	12.65	28	75,120	5940	2
66930	30-Sep-10	4.014	12.65	28	77,200	6100	2
66931	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



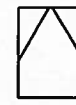
Columnar
3



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.)
2	175210	--	10	--	--	--	--	35
3	175211	--	10	--	--	--	--	40
4	175212	--	10	--	--	83	--	45
5	175214	107	10	--	--	82	--	30

Remarks: Total loads = 8
 Curing Temperatures: Max = 98°, Min = 76°

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: Sunny
Method of Placement: Pump
Admixtures: Glenium 7500, Micro Air, Pozzolith 100XR
Placement Location: Tower Crane Footing
Test Cylinder Location: Tower Crane Footing Southwest Corner

Date Cylinders Cast: 02-Sep-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 5,000
Max Agg. Size: 3/4

Date Report Issued: **OCT 01 2010**

4x8 Cylinders	4	Cast by	Rodney R. Collard	Time	
Load No.	6	Slump (in) ASTM C 143	6.75	Batched @	1:44
Ticket No.	175215	Air (°F)	94	Arrived @	--
Truck No.	94	Concrete (°F) ASTM C 1064	84	Total Time	40
Cubic Yds.	10	Air Content (%) ASTM C 231	4.7		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 03-Sep-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66932	09-Sep-10	4.013	12.65	7	68,580	5420	2
66933	30-Sep-10	4.014	12.65	28	81,940	6480	2
66934	30-Sep-10	4.014	12.65	28	79,980	6320	2
66935	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	175216	83	10	--	--	--	--	35
8	175218	84	10	--	--	83	--	40

Remarks: Total loads = 8
 Curing Temperatures: Max = 98°, Min = 76°

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