

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:	June 3, 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)
65632	7
65633	7
65636	7
65637	7
65640	7
65641	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

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: Mid Range Water Reducer
Placement Location: Footings: XC/Z1 through Z4
Test Cylinder Location: XC/Z2

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

Date Report Issued: JUN 04 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	4.75	Batched @	12:09
Ticket No.	170375	Air (°F)	75	Arrived @	12:38
Truck No.	101	Concrete (°F) ASTM C 1064	78	Total Time	45
Cubic Yds.	10	Air Content (%) ASTM C 231	5.8		

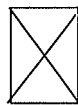
*Concrete sampled by ASTM C 172

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

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65632	03-Jun-10	4.021	12.70	7	44,900	3540	6
65633	03-Jun-10	4.021	12.70	7	44,160	3480	2
65634	24-Jun-10			28			
65635	24-Jun-10			28			

*Concrete compressive strength by ASTM C 39

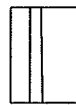
Types of Breaks



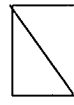
Cone
1



Cone & Split
2



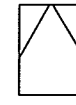
Columnar
3



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	170374	94	10	--	--	--	--	40
3	170676	97	10	--	--	--	--	40
4	170677	106	10	--	--	--	--	35
5	170678	94	10	--	--	--	--	40

Remarks: Total loads = 13

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: Mid Range Water Reducer
Placement Location: Footings: XC/Z1 through Z4
Test Cylinder Location: XC/Z4

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

Date Report Issued: JUN 04 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich		
Load No.	6	Slump (in) ASTM C 143	5.0	Time	Batched @ 12:37 Arrived @ 1:06 Total Time 35
Ticket No.	170379	Air (°F)	76		
Truck No.	98	Concrete (°F) ASTM C 1064	75		
Cubic Yds.	10	Air Content (%) ASTM C 231	4.6		

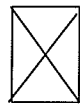
*Concrete sampled by ASTM C 172

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

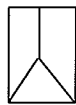
Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65636	03-Jun-10	4.021	12.70	7	48,240	3800	2
65637	03-Jun-10	4.021	12.70	7	48,640	3830	3
65638	24-Jun-10			28			
65639	24-Jun-10			28			

*Concrete compressive strength by ASTM C 39

Types of Breaks



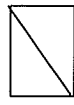
Cone
1



Cone & Split
2



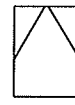
Columnar
3



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	170380	96	10	--	--	--	--	55
8	170682	84	10	--	--	--	--	50
9	170684	94	10	--	--	--	--	40
10	170685	116	10	--	--	--	--	55

Remarks: Total loads = 13

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: Mid Range Water Reducer
Placement Location: Footings: XC/Z1 through Z4
Test Cylinder Location: XC/Z2

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

Date Report Issued: JUN 04 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	11	Slump (in) ASTM C 143	5.0	Batched @	1:25
Ticket No.	170386	Air (°F)	75	Arrived @	1:51
Truck No.	97	Concrete (°F) ASTM C 1064	76	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	4.8		

*Concrete sampled by ASTM C 172

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

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
65640	03-Jun-10	4.021	12.70	7	47,400	3730	5
65641	03-Jun-10	4.021	12.70	7	48,060	3780	2
65642	24-Jun-10			28			
65643	24-Jun-10			28			

*Concrete compressive strength by ASTM C 39

Types of Breaks



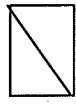
Cone
1



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.)
12	170387	106	10	--	--	--	--	50
13	170689	84	10	--	--	--	--	40

Remarks: Total loads = 13

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