

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:	2 Nov 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)
67561	9
67565	9
67569	9

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)
Jeff Evans, Amec (jeff.evans@amec.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	Date Cylinders Cast:	23-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer, Glenium 7500, Pozzolith	Max Agg. Size:	3/8
Placement Location:	Slab On Deck 4-6		
Test Cylinder Location:	See attached sketch		

Date Report Issued: NOV 02 2010

4x8 Cylinders	4	Cast by	Rodney R. Collard	Time
Load No.	1	Slump (in) ASTM C 143	5	Batched @
Ticket No.	179907	Air (°F)	40	Arrived @
Truck No.	99	Concrete (°F) ASTM C 1064	54	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	4	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
 Date received 25-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67561	01-Nov-10	4.015	12.66	9	68,200	5390	2
67562	22-Nov-10			30			
67563	22-Nov-10			30			
67564	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



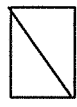
Cone
1



Cone & Split
2



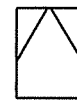
Columnar
3



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	179908	76	10	--	--	--	--	65
3	179909	85	10	--	--	--	--	45
4	179910	84	10	--	--	--	--	65
5	179911	98	10	--	--	--	-	75

Remarks: Curing Temperatures: Max =62°, Min = 46°
 12 Total Loads
 Unit Weight = 124.2 pcf

Checked by: Matthew T. Grady
 For 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	Date Cylinders Cast:	23-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer, Glenium 7500, Pozzolith	Max Agg. Size:	3/8
Placement Location:	Slab On Deck 4-6		
Test Cylinder Location:	See attached sketch		

Date Report Issued: NOV 02 2010

4x8 Cylinders	4	Cast by	Rodney R. Collard	
Load No.	6	Slump (in) ASTM C 143	5.5	Time Batched @ 8:32 Arrived @ -- Total Time 85
Ticket No.	179913	Air (°F)	41	
Truck No.	86	Concrete (°F) ASTM C 1064	53	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.25	

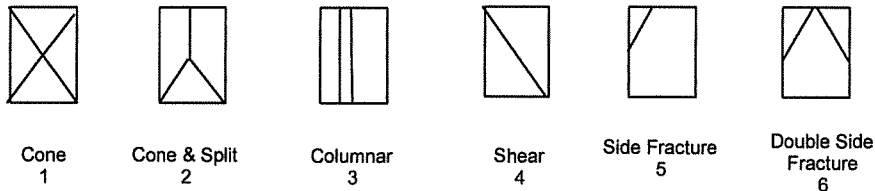
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
 Date received 25-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67565	01-Nov-10	4.015	12.66	9	72,200	5700	2
67566	22-Nov-10			30			
67567	22-Nov-10			30			
67568	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.)
7	179914	99	10	--	--	--	--	80
8	179915	76	10	--	--	--	--	75
9	179916	85	10	--	--	--	--	80
10	179917	84	10	--	--	--	-	85

Remarks: Curing Temperatures: Max =62°, Min = 46°
 12 Total Loads
 Unit Weight = 123.60 pcf

Checked by: Matthew T. Grady
 For 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	Date Cylinders Cast:	23-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer, Glenium 7500, Pozzolith	Max Agg. Size:	3/8
Placement Location:	Slab On Deck 4-6		
Test Cylinder Location:	See attached sketch		

NOV 02 2010

Date Report Issued:

4x8 Cylinders	4	Cast by	Rodney R. Collard	
Load No.	11	Slump (in) ASTM C 143	4.75	Time Batched @ 9:27 Arrived @ -- Total Time 85
Ticket No.	179918	Air (°F)	47	
Truck No.	98	Concrete (°F) ASTM C 1064	60	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.5	

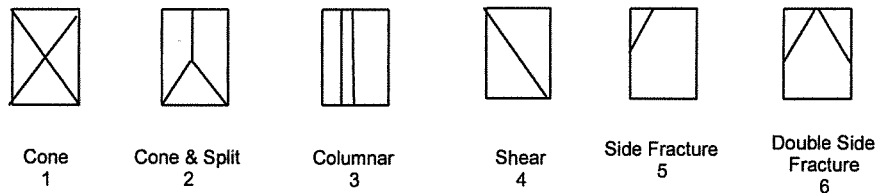
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
Date received 25-Oct-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67569	01-Nov-10	4.015	12.66	9	63,180	4990	2
67570	22-Nov-10			30			
67571	22-Nov-10			30			
67572	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.)
12	179919	86	10	--	--	--	--	90

Remarks: Curing Temperatures: Max =62°, Min = 46°
12 Total Loads
Unit Weight = 123.80 pcf

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