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

Date:	Project No.:
September 3, 2010	557-14
Attention: Mr. Cuyler Feagles (cmf@portlandmaine.gov)	
Re: Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine	

City of Portland, Portand Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
66622	28
66623	28
66626	28
66627	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

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: XH/YZ.2, Z3, Z4, Z5; XH.5/Y2.5, Y3, Y3.5, Y4
Test Cylinder Location: XH.5/Y3

Date Cylinders Cast: 06-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: SEP 07 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	2	Slump (in) ASTM C 143	6.25	Batched @	12:16
Ticket No.	178184	Air (°F)	85	Arrived @	--
Truck No.	101	Concrete (°F) ASTM C 1064	82	Total Time	--
Cubic Yds.	10.5	Air Content (%) ASTM C 231	7.2		

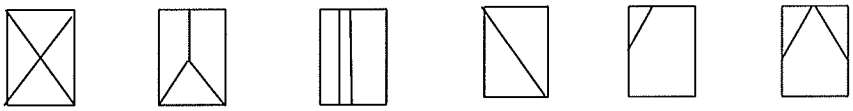
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
Date received 09-Aug-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66621	13-Aug-10	4.016	12.67	7	49,020	3870	3
66622	03-Sep-10	4.020	12.69	28	68,840	5420	2
66623	03-Sep-10	4.020	12.69	28	65,440	5160	2
66624	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	178183	106	10.5	--	--	--	--	--
3	178185	98	10.5	--	--	--	--	--
4	178186	94	10.5	--	--	--	--	38
5	--	--	10.0	--	--	--	--	37

Remarks: Curing Temperatures: Max = 96°, Min = 57°
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: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Footings: XH/YZ.2, Z3, Z4, Z5; XH.5/Y2.5, Y3, Y3.5, Y4
Test Cylinder Location: XH.5/Z5

Date Cylinders Cast: 06-Aug-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: SEP 0 7 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	7	Slump (in) ASTM C 143	5.25	Batched @	1:005
Ticket No.	178189	Air (°F)	85	Arrived @	1:28
Truck No.	86	Concrete (°F) ASTM C 1064	86	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	6.2		

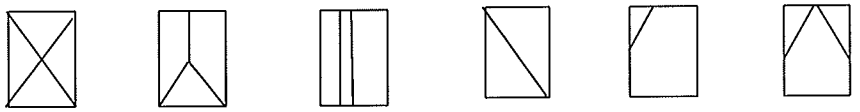
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
Date received 09-Aug-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66625	13-Aug-10	4.016	12.67	7	50,660	4000	5
66626	03-Sep-10	4.020	12.69	28	64,500	5080	2
66627	03-Sep-10	4.020	12.69	28	67,020	5280	2
66628	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.)
6	178188	96	10.0	--	--	--	--	--
8	178190	82	10.0	--	--	--	--	--
9	178191	101	10.0	--	--	--	--	--
10	178193	94	10.0	--	--	--	--	--

Remarks: Curing Temperatures: Max = 96°, Min = 57°
Total loads = 10

Checked by: Matthew T. Grady, Manager of MTS