

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:	17 Aug 2011	Project No.:	0557-014
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)
68866	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  
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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

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 200 International Drive, Suite 170, Portsmouth, NH 03801 (603) 427-0244

## CONCRETE TEST/PLACEMENT REPORT

<b>Project Name:</b>	Terminal Enhancement at the Portland Jetport	<b>Date Cylinders Cast:</b>	9-Aug-11
<b>Project No:</b>	0557-014	<b>Concrete Supplier:</b>	Auburn Concrete
<b>Weather Conditions:</b>	Sunny	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	4500 PSI
<b>Admixtures:</b>	Micro Air, Glenium 7500, Pozzoth 100XR	<b>Max. Aggregate Size:</b>	3/4 In.
<b>Placement Location:</b>	Trash Compactor Pad		
<b>Test Cylinder Location:</b>	XK/Y8.5-Y9.5		

**AUG 17 2011**

**Date Report Issued:**

4x8 Cylinders	4	Cast By	Michael J Kramlich	Time	
Load No.	2	Slump (in)	ASTM C 143	4.25	Batched @ 12:25 PM
Ticket No.	186710	Air (°F)		75	Arrived @ 12:40 PM
Truck No.	84	Concrete (°F)		85	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

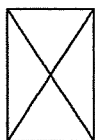
Date Received: 10-Aug-11

Condition of Cylinders: Good

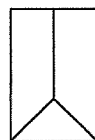
Lab No.	Test Date	Ave Dia (in)	Ave Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68866	16-Aug-11	4.009	12.62	7	75015	5940	3
68867	6-Sep-11			28			
68868	6-Sep-11			28			
68869	HOLD			H			

\*Concrete compressive strength by ASTM C 39

**Types of Breaks**



Cone  
1



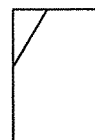
Cone & Split  
2



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	186709	78	10	--	--	--	--	50±
3	186712	96	10	--	--	--	--	40±
4	186714	94	10	--	--	--	--	45±
5	186716	78	10	--	--	--	--	45±
6	186719	96	10*	--	--	--	--	30±

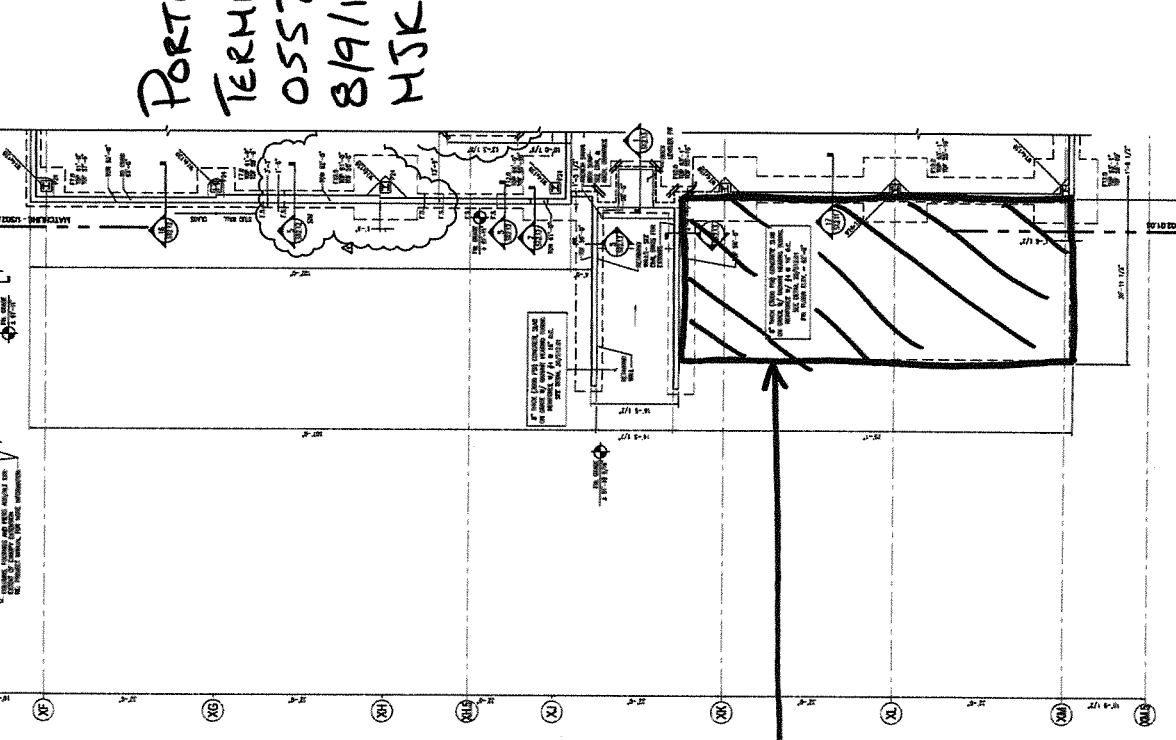
Remarks: Curing temperatures: High = 87°, Low = 72°

\*Load 6 used about 4 - 5 yards.

Checked by: Sean C. Hennings  
 For: Mathew T. Grady, Manager of MTS

PORTLAND INT'L JETPORT  
TERMINAL EXPANSION  
0557-014  
8/9/11  
MSK

- SHEET NOTES**
1. REFER TO SHEET 0557-013 FOR GENERAL NOTES AND SPECIFICATIONS.
  2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
  3. FINISH FLOOR ELEVATION IS 100.00.
  4. ALL CONCRETE SHALL BE 4000 PSI.
  5. ALL REINFORCING SHALL BE #4.
  6. ALL REINFORCING SHALL BE PLACED AS SHOWN ON THIS SHEET.
  7. ALL REINFORCING SHALL BE TIED TO EXISTING REINFORCING.
  8. ALL REINFORCING SHALL BE LAP SPICED AS SHOWN ON THIS SHEET.
  9. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM FORMS.
  10. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM OTHER REINFORCING.
  11. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM WALLS.
  12. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM CEILING.
  13. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM FLOOR.
  14. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM CURBS.
  15. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM OTHER STRUCTURES.
  16. ALL REINFORCING SHALL BE PLACED WITH 1" CLEARANCE FROM ALL OTHER OBSTRUCTIONS.
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55 yds ±  
4500 PSI  
CONCRETE  
PLACEMENT

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