

**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: December 21, 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)
67970	7
67974	7

**Remarks:**

Copy To:  
Roy Williams: rsw@portlandmaine.gov  
Jim Stanislaski: jim\_stanislaski@gensler.com  
Cliff Takara: clifford\_takara@gensler.com  
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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.

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## CONCRETE TEST/PLACEMENT REPORT

<b>Project Name:</b>	Terminal Enhancement, Portland Int. Jetport	<b>Date Cylinders Cast:</b>	14-Dec-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Overcast	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	3,000
<b>Admixtures:</b>	Mid Range Water Reducer	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	5th Level: Curbs, Southeast Side, Northeast Side, Northwest Side 4th Level: Curbs, Northeast Side, Inside Stairway;		
<b>Test Cylinder Location:</b>	5th Level: Southeast Corner - See Attached Sketch	<b>Date Report Issued:</b>	DEC 21 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	1	Slump (in) ASTM C 143	8.0	Batched @
Ticket No.	166522	Air (°F)	30	Arrived @
Truck No.	93	Concrete (°F) ASTM C 1064	60	Total Time
Cubic Yds.	*10	Air Content (%) ASTM C 231	3.9	60±

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 15-Dec-10  
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67970	21-Dec-10	4.006	12.60	7	30,840	2450	2
67971	11-Jan-11			28			
67972	11-Jan-11			28			
67973	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

### Types of Breaks



Cone  
1



Cone & Split  
2



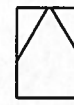
Columnar  
3



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.)

Remarks: Total loads = 2  
 \*Sent away after 5 cubic yards due to high slump.

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

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## CONCRETE TEST/PLACEMENT REPORT

<b>Project Name:</b>	Terminal Enhancement, Portland Int. Jetport	<b>Date Cylinders Cast:</b>	14-Dec-10
<b>Project No:</b>	557-14	<b>Concrete Supplier:</b>	Auburn
<b>Weather Conditions:</b>	Overcast	<b>General Contractor:</b>	Turner
<b>Method of Placement:</b>	Pump	<b>Design Strength:</b>	3,000
<b>Admixtures:</b>	Mid Range Water Reducer	<b>Max Agg. Size:</b>	3/4
<b>Placement Location:</b>	5th Level: Curbs, Southeast Side, Northeast Side, Northwest Side 4th Level: Curbs, Northeast Side, Inside Stairway;		

**Test Cylinder Location:** 4th Level: Northeast Corner & 5th Level: Northwest Side - See Attached Sketch  
**Date Report Issued:** DEC 21 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	2	Slump (in) ASTM C 143	5.5	Batched @ 10:47
Ticket No.	166530	Air (°F)	28	Arrived @ 11:05
Truck No.	116	Concrete (°F) ASTM C 1064	54	Total Time 85±
Cubic Yds.	10	Air Content (%) ASTM C 231	3.8	

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 15-Dec-10  
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in <sup>2</sup> )	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67974	21-Dec-10	4.006	12.60	7	38,240	3030	6
67975	11-Jan-11			28			
67976	11-Jan-11			28			
67977	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

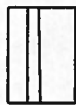
### Types of Breaks



Cone  
1



Cone & Split  
2



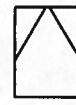
Columnar  
3



Shear  
4



Side Fracture  
5

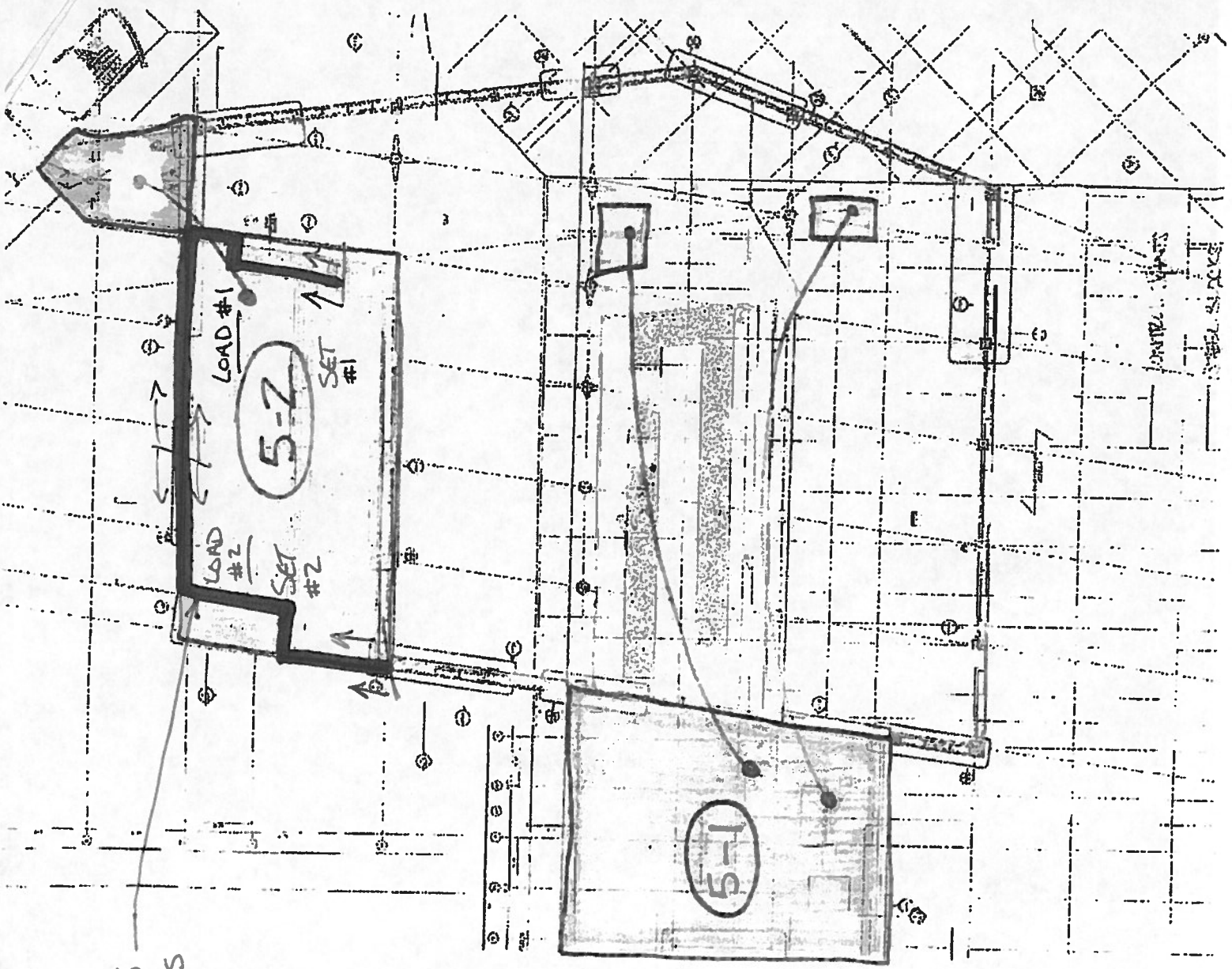


Double Side  
Fracture  
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)

Remarks: Total loads = 2

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



LVL 5  
CURBS

Level 5

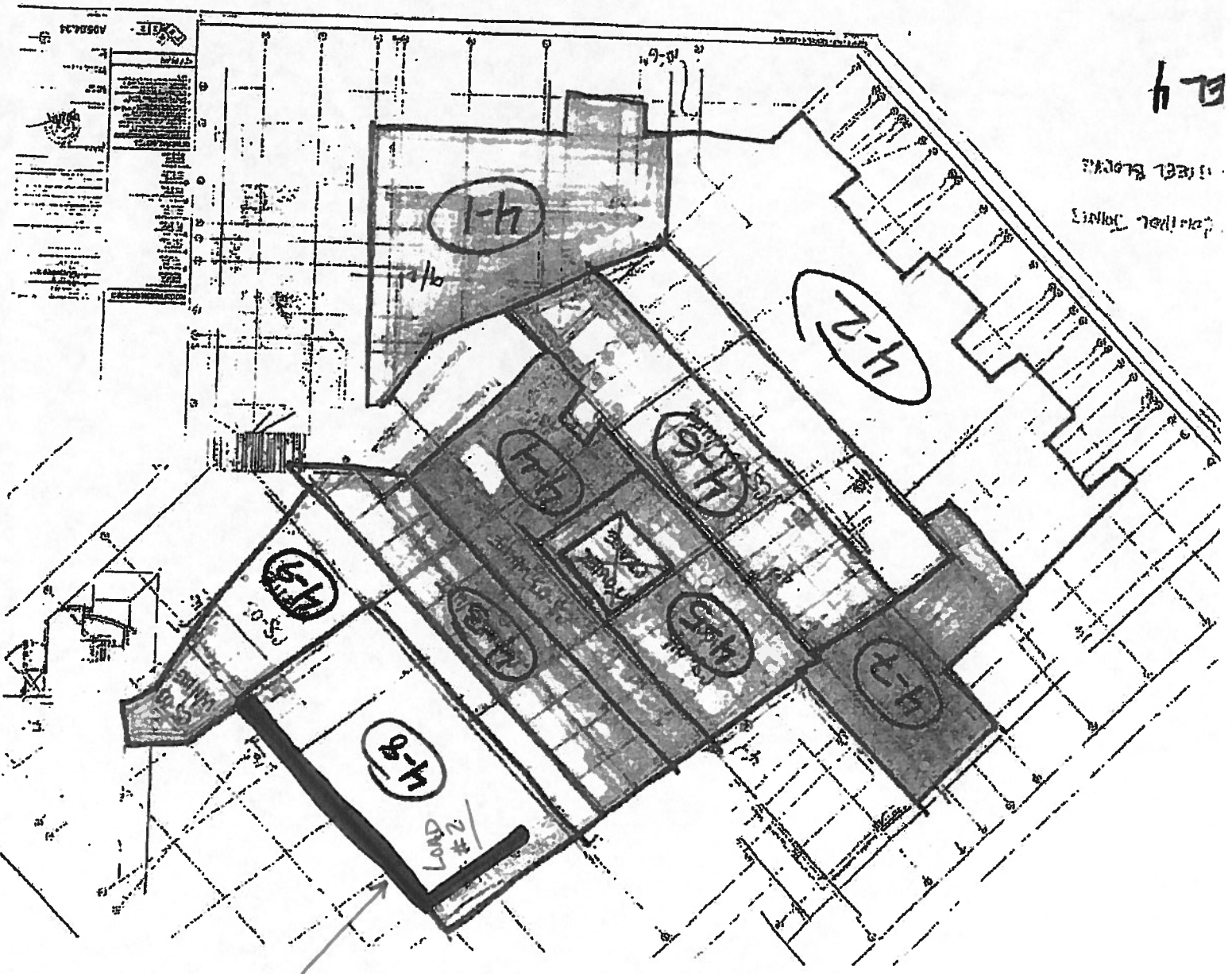
PORTLAND INT'L AIRPORT  
 TERMINAL EXPANSION  
 SS7-14  
 2/14/2010  
 JSK

PORTLAND INT'L AIRPORT  
TERMINAL EXPANSION

557-14

12/14/2010

MSK



4-4

Level Floor  
Control Tower

4TH LVL  
CURBS

