

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:	10 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)
67673	7
67677	7
67681	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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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.

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## CONCRETE TEST/PLACEMENT REPORT

**Project Name:** Terminal Enhancement, Portland Int. Jetport  
**Project No:** 557-14  
**Weather Conditions:** Cloudy  
**Method of Placement:** Pump  
**Admixtures:** Mid Range Water Reducer, 2% Pozzutec 20+  
**Placement Location:** Slab-On-Deck 4-8  
**Test Cylinder Location:** See attached sketch

**Date Cylinders Cast:** 02-Nov-10  
**Concrete Supplier:** Auburn  
**General Contractor:** Turner  
**Design Strength:** 3,500  
**Max Agg. Size:** 3/8

**Date Report Issued:** **NOV 10 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	4	Batched @	8:55
Ticket No.	180250	Air (°F)	38	Arrived @	9:10
Truck No.	115	Concrete (°F) ASTM C 1064	57	Total Time	25
Cubic Yds.	10	Air Content (%) ASTM C 231	4		

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 03-Nov-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
67673	09-Nov-10	4.009	12.62	7	52,760	4180	5
67674	30-Nov-10			28			
67675	30-Nov-10			28			
67676	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	180249	95	--	--	--	--	--	40
3	180251	95	10	--	--	--	--	30
4	180252	99	10	--	--	--	--	40
5	180253	84	10	--	--	--	--	50

**Remarks:** Total Loads: 15  
 Unit Weight: 124.8  
 Curing Temps: Max 66°, Min 52°

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

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**General Contractor:** Turner  
**Design Strength:** 3,500  
**Max Agg. Size:** 3/8

**Date Report Issued:** **NOV 10 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time		
Load No.	6	Slump (in) ASTM C 143	6		Batched @	9:41
Ticket No.	180254	Air (°F)	43		Arrived @	10:05
Truck No.	96	Concrete (°F) ASTM C 1064	56		Total Time	40
Cubic Yds.	10	Air Content (%) ASTM C 231	3.25			

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 03-Nov-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
67677	09-Nov-10	4.009	12.62	7	52,760	4180	5
67678	30-Nov-10			28			
67679	30-Nov-10			28			
67680	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

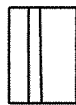
### Types of Breaks



Cone  
1



Cone & Split  
2



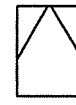
Columnar  
3



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.)
8	180257	95	10	--	--	--	--	80
9	180258	99	10	--	--	--	--	75
10	180259	115	10	--	--	--	--	35
11	180260	95	10	--	--	--	--	35

**Remarks:** Total Loads: 15  
 Unit Weight: 122.2 PCF  
 Curing Temps: Max 66°, Min 52°

Checked by: *Sam O'Hanrahan*  
 FOR Matthew T. Grady, Manager of MTS

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**General Contractor:** Turner  
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**Max Agg. Size:** 3/8

**Date Report Issued:** **NOV 10 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	12	Slump (in) ASTM C 143	6	Batched @	11:45
Ticket No.	180261	Air (°F)	43	Arrived @	12:00
Truck No.	99	Concrete (°F) ASTM C 1064	57	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	3.75		

\*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1  
 Date received 03-Nov-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
67681	09-Nov-10	4.009	12.62	7	50,420	4000	5
67682	30-Nov-10			28			
67683	30-Nov-10			28			
67684	HOLD			HOLD			

\*Concrete compressive strength by ASTM C 39

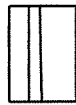
### Types of Breaks



Cone  
1



Cone & Split  
2



Columnar  
3



Shear  
4



Side Fracture  
5

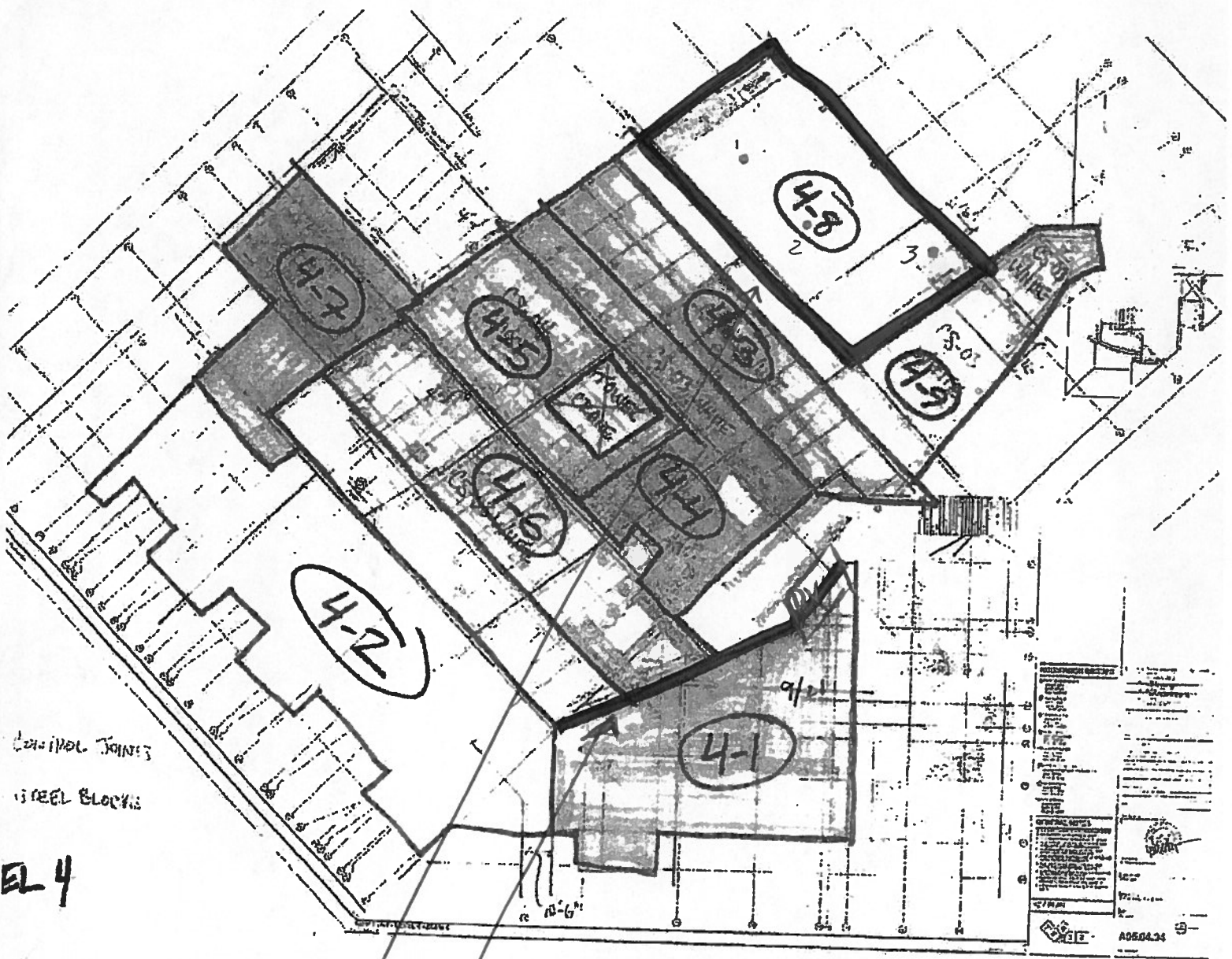


Double Side Fracture  
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
13	180262	98	10	--	--	--	--	40
14	180264	115	6	--	--	--	--	40
15	180265	95	5	--	--	--	--	50

**Remarks:** Total Loads: 15  
 Unit Weight: 124.0 PCF  
 Curing Temps: Max 66°, Min 52°

Checked by: *Matthew T. Grady*  
 5012 Matthew T. Grady, Manager of MTS



CONCRETE JOINTS  
 GIRDER BLOCKS

EL 4

140 yds LIGHTWEIGHT  
 SLAB 4-8  
 35 yds NORMAL WEIGHT  
 PARAPET WALLS

PORTLAND INT'L JETPORT  
 TERMINAL EXPANSION  
 557-14  
 11/21/2010  
 MSK

MATERIALS	
CONCRETE	140 yds
STEEL	35 yds
BRICK	0 yds
GLASS	0 yds
WOOD	0 yds
PAINT	0 yds
MECHANICAL	0 yds
ELECTRICAL	0 yds
PLUMBING	0 yds
INSULATION	0 yds
ROOFING	0 yds
LANDSCAPE	0 yds
OTHER	0 yds