

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 16, 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)
67831	28
67832	28
67835	28
67836	28
67839	28
67840	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
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	Date Cylinders Cast:	18-Nov-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Clear	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Mid Range Water Reducer, 1% Pozzutec	Max Agg. Size:	3/4
Placement Location:	Slab On Grade -Section 2-1		
Test Cylinder Location:	See sketch		

Date Report Issued: **DEC 1 6 2010**

4x8 Cylinders	4	Cast by	Erik E. Cohenour			
Load No.	3	Slump (in) ASTM C 143	5.25	Time	Batched @	7:16
Ticket No.	179183	Air (°F)	47		Arrived @	--
Truck No.	85	Concrete (°F) ASTM C 1064	68		Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.6			

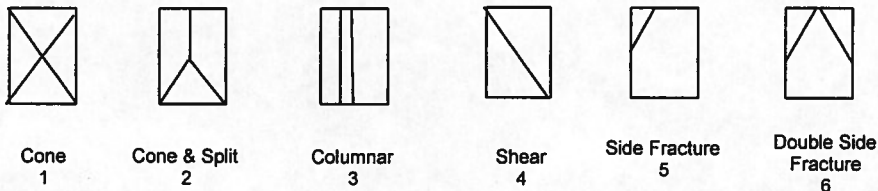
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 19-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67830	29-Nov-10	4.007	12.61	11	61,840	4900	2
67831	16-Dec-10	4.009	12.62	28	76,640	6070	2
67832	16-Dec-10	4.009	12.62	28	77,980	6180	2
67833	HOLD			HOLD			

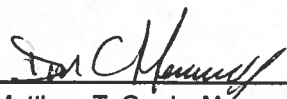
*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	179181	101	10	--	--	--	--	--
2	179182	76	10	--	--	--	--	--
4	179184	86	10	--	--	--	--	--
5	179185	101	10	--	--	--	--	--

Remarks: Curing Temps: High 73°, Low 53°
 Total Loads: 16

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 1% Pozzutec
Placement Location: Slab On Grade -Section 2-1
Test Cylinder Location: See sketch

Date Cylinders Cast: 18-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: DEC 1 6 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	7	Slump (in) ASTM C 143	6	Batched @	8:46
Ticket No.	179187	Air (°F)	47	Arrived @	--
Truck No.	86	Concrete (°F) ASTM C 1064	67	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.5		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 19-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67834	29-Nov-10	4.007	12.61	11	61,820	4900	2
67835	16-Dec-10	4.009	12.62	28	76,180	6040	2
67836	16-Dec-10	4.009	12.62	28	74,380	5890	2
67837	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

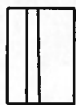
Types of Breaks



Cone
1



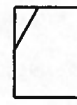
Cone & Split
2



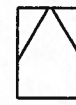
Columnar
3



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	179186	76	10	--	--	--	--	--
8	179188	101	10	--	--	--	--	--
9	179189	84	10	--	--	--	--	--
10	179190	76	10	--	--	--	--	--

Remarks: Curing Temps: High 73°, Low 53°
 Total Loads: 16

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	18-Nov-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Clear	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Mid Range Water Reducer, 1% Pozzutec	Max Agg. Size:	3/4
Placement Location:	Slab On Grade -Section 2-1		
Test Cylinder Location:	See sketch		

Date Report Issued: DEC 16 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time		
Load No.	12	Slump (in) ASTM C 143	6		Batched @	10:02
Ticket No.	179192	Air (°F)	50		Arrived @	--
Truck No.	101	Concrete (°F) ASTM C 1064	69		Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.8			

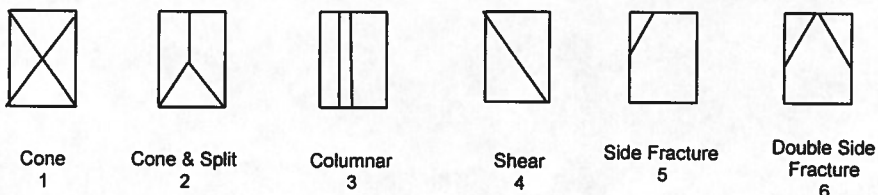
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 19-Nov-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67838	29-Nov-10	4.007	12.61	11	60,440	4790	5
67839	16-Dec-10	4.009	12.62	28	77,340	6130	2
67840	16-Dec-10	4.009	12.62	28	77,840	6170	2
67841	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.)
11	179191	86	10	--	--	--	--	--
13	179193	84	10	--	--	--	--	--
14	179194	76	10	--	--	--	--	--
15	179195	86	10	--	--	--	--	--
16	179196	101	10	--	--	--	--	--

Remarks: Curing Temps: High 73°, Low 53°
 Total Loads: 16

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

Portland International
Jetport
1801 Westwood Street
Portland, Maine 04112

Gensler
ARCHITECTS
ASSOCIATES, INC.
1000 Massachusetts Avenue
Boston, MA 02118

NO.	DATE	DESCRIPTION
1	11/18/10	ISSUED FOR PERMITTING
2	11/18/10	ISSUED FOR PERMITTING
3	11/18/10	ISSUED FOR PERMITTING
4	11/18/10	ISSUED FOR PERMITTING
5	11/18/10	ISSUED FOR PERMITTING
6	11/18/10	ISSUED FOR PERMITTING
7	11/18/10	ISSUED FOR PERMITTING
8	11/18/10	ISSUED FOR PERMITTING
9	11/18/10	ISSUED FOR PERMITTING
10	11/18/10	ISSUED FOR PERMITTING

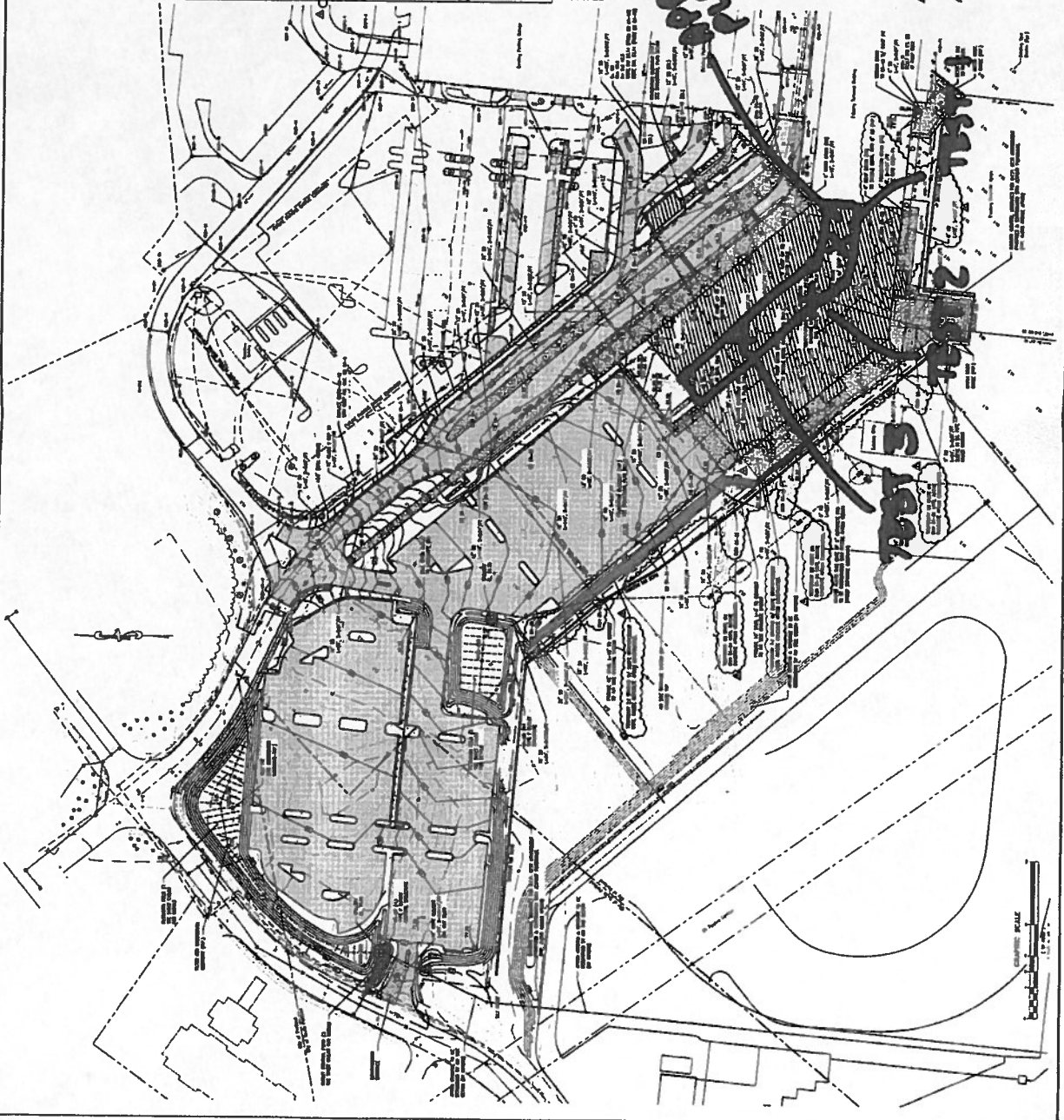


C02.02
Scale: 1/8" = 1'-0"

SHEET NOTES
1. SEE SHEET C02.01 FOR THE REST OF THE WORK

NO.	DESCRIPTION	DATE
1	REVISION	
2	REVISION	
3	REVISION	
4	REVISION	
5	REVISION	
6	REVISION	
7	REVISION	
8	REVISION	
9	REVISION	
10	REVISION	
11	REVISION	
12	REVISION	
13	REVISION	
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20	REVISION	
21	REVISION	
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23	REVISION	
24	REVISION	
25	REVISION	
26	REVISION	
27	REVISION	
28	REVISION	
29	REVISION	
30	REVISION	

GENERAL NOTES
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
2. ALL MATERIALS SHALL BE APPROVED BY THE ARCHITECT AND THE ENGINEER.
3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
4. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
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PORTLAND JETPORT TERMINAL EXPANSION - APPROXIMATE TEST LOCATIONS

557-14
EEC
11/18/10