

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:	19 November 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)
67771	7
67775	7
67779	7
67783	7
67787	7
67791	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
Mike Fusco: mfusco@tcco.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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 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: Clear, Cool
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, Pozzutec
Placement Location: Slab on Grade
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 12-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/8

Date Report Issued: **NOV 19 2010**

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	2	Slump (in) ASTM C 143	3.0	Batched @	6:55
Ticket No.	180430	Air (°F)	42	Arrived @	--
Truck No.	98	Concrete (°F) ASTM C 1064	65	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	4.2		

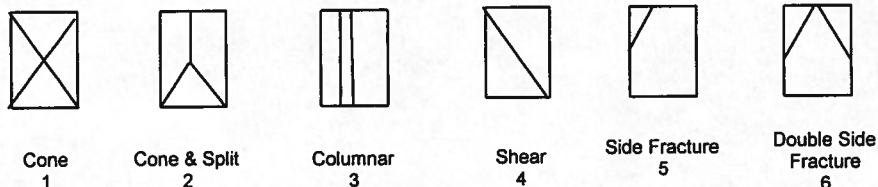
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
Date received 15-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
67771	19-Nov-10	4.008	12.62	7	58,440	4630	2
67772	10-Dec-10			28			
67773	10-Dec-10			28			
67774	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	180429	76	10	--	--	--	--	--
3	180432	118	10	--	--	--	--	--
4	180436	84	10	--	--	--	--	--

Remarks: Total loads = 8
 Curing Temperatures: Max = 75°, Min = 48°

Checked by: *Don Ch...*
 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, Cool
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, Pozzutec
Placement Location: Slab on Grade
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 12-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/8

Date Report Issued: **NOV 19 2010**

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	6	Slump (in) ASTM C 143	4.0	Batched @	--
Ticket No.	180441	Air (°F)	45	Arrived @	--
Truck No.	118	Concrete (°F) ASTM C 1064	67	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.9		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 15-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
67775	19-Nov-10	4.008	12.62	7	60,880	4820	2
67776	10-Dec-10			28			
67777	10-Dec-10			28			
67778	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



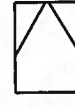
Columnar
3



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.)
5	--	--	10	--	--	--	--	--
7	--	--	10	--	--	--	--	--
8	--	--	10	--	--	--	--	--

Remarks: Total loads = 8
 Curing Temperatures: Max = 75°, Min = 48°

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

Portland International
Jetport
3001 Westbrook Street
Portland, Maine 04102

Genster
MESEA ASSOCIATES, INC.
1000 Congress Street
Portland, Maine 04102

NO. OF SHEETS	12
NO. OF SHEETS USED	12
DATE	11/12/10
BY	EEC
FOR	PORTLAND INTERNATIONAL JETPORT



PROJECT NO. C02.02
SHEET NO. 12 OF 12

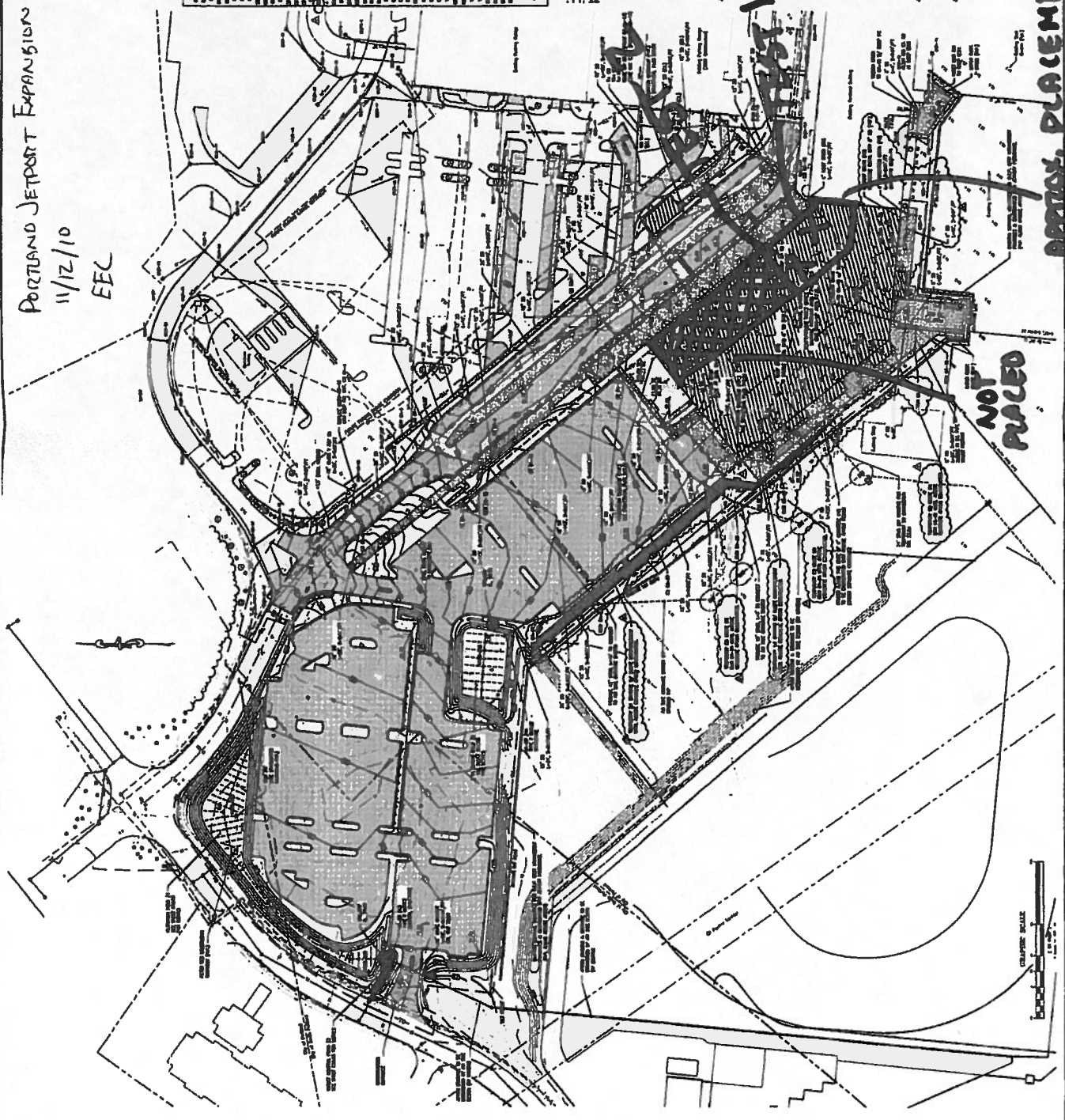
SHEET NOTES

NO.	DESCRIPTION
1	SEE SHEET C02.01 FOR GENERAL NOTES AND SPECIFICATIONS.
2	ALL DIMENSIONS ARE UNLESS OTHERWISE NOTED.
3	ALL MATERIALS SHALL BE AS SHOWN ON THE DRAWINGS.
4	ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE BUILDING CODES AND SPECIFICATIONS.
5	ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE PORTLAND INTERNATIONAL JETPORT AUTHORITY.
6	ALL WORK SHALL BE COMPLETED BY THE DATE SHOWN ON THE DRAWINGS.
7	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S SCHEDULE OF WORK.
8	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S SAFETY REGULATIONS.
9	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S ENVIRONMENTAL REGULATIONS.
10	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S HISTORIC PRESERVATION REGULATIONS.
11	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S AIR QUALITY REGULATIONS.
12	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S NOISE REGULATIONS.
13	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S SECURITY REGULATIONS.
14	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S ACCESSIBILITY REGULATIONS.
15	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S ENERGY EFFICIENCY REGULATIONS.
16	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S SUSTAINABILITY REGULATIONS.
17	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S COMMUNITY ENGAGEMENT REGULATIONS.
18	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S TRANSPORTATION REGULATIONS.
19	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S PASSENGER EXPERIENCE REGULATIONS.
20	ALL WORK SHALL BE SUBJECT TO THE PORTLAND INTERNATIONAL JETPORT AUTHORITY'S CUSTOMER SERVICE REGULATIONS.

GENERAL NOTES

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PORTLAND JETPORT EXPANSION
11/12/10
EEC



NOT PLACED

APPROX. PLACEMENT



R. W. GILLESPIE & ASSOCIATES, INC.

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 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: Rear Discharge
Admixtures: 1% Pozzutec 20, Mid Range Water Reducer
Placement Location: Lower Lot Sidewalks
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 12-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,500
Max Agg. Size: 3/4

Date Report Issued: **NOV 19 2010**

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	2	Slump (in) ASTM C 143	6.0		Batched @ 11:21
Ticket No.	179233	Air (°F)	47		Arrived @ 11:46
Truck No.	86	Concrete (°F) ASTM C 1064	58		Total Time --
Cubic Yds.	10	Air Content (%) ASTM C 231	7.8		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 15-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
67779	19-Nov-10	4.008	12.62	7	48,160	3820	2
67780	10-Dec-10			28			
67781	10-Dec-10			28			
67782	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



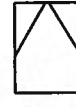
Columnar
3



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	179232	86	10	--	47	--	--	105±
3	--	--	--	--	--	--	--	--

Remarks:

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

Portland International
Jetport

1001 Westwood Street
Portland, Maine 04102

Genstler



1	REVISION	DATE
2	ISSUED FOR PERMIT	11/12/10
3	ISSUED FOR PERMIT	11/12/10
4	ISSUED FOR PERMIT	11/12/10
5	ISSUED FOR PERMIT	11/12/10
6	ISSUED FOR PERMIT	11/12/10
7	ISSUED FOR PERMIT	11/12/10
8	ISSUED FOR PERMIT	11/12/10
9	ISSUED FOR PERMIT	11/12/10
10	ISSUED FOR PERMIT	11/12/10



PROJECT: PORTLAND INTERNATIONAL AIRPORT
 SHEET: C02.02
 DATE: 11/12/10

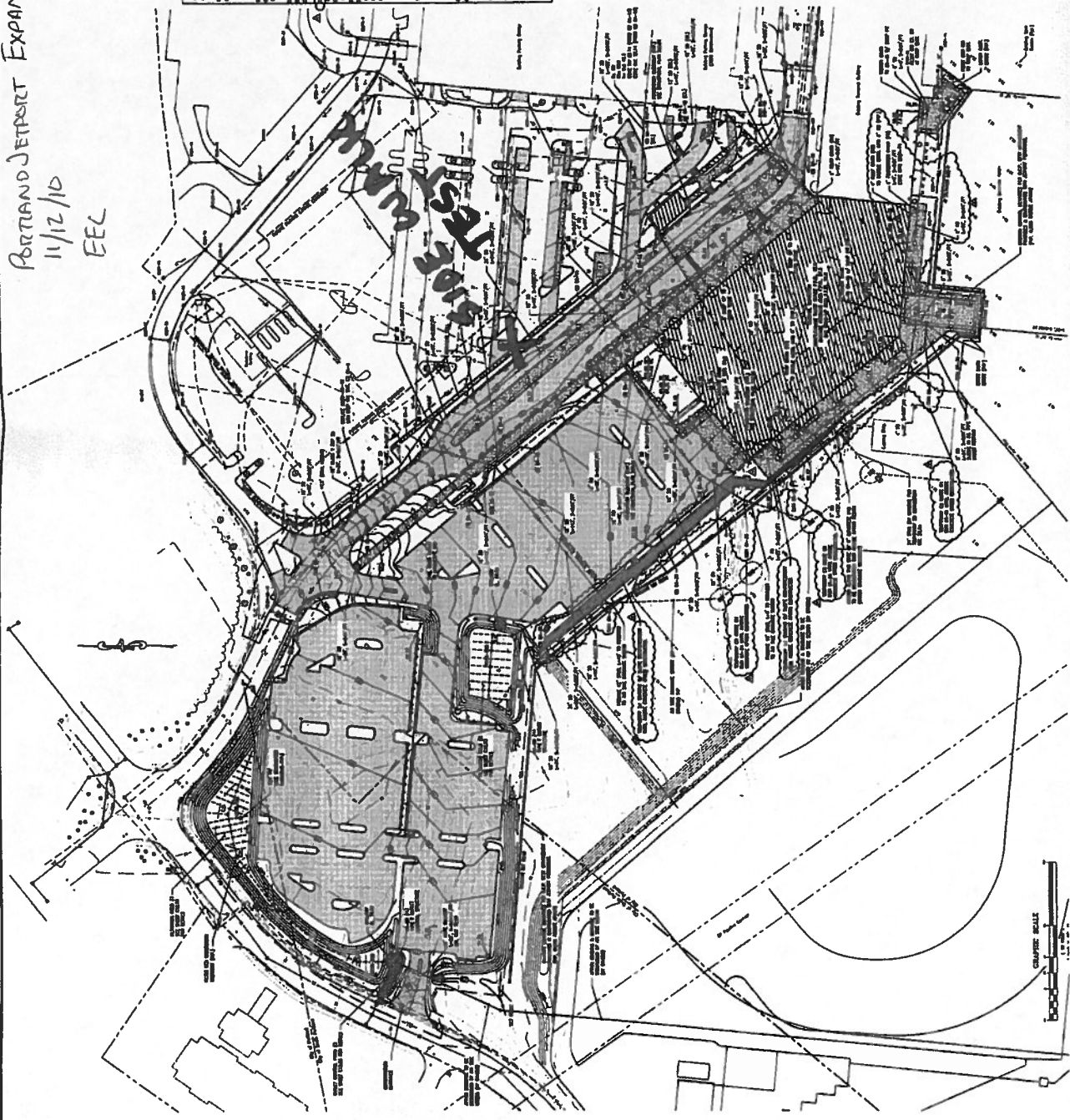
REVISIONS

PORTLAND JETPORT EXPANSION
 11/12/10
 EEC

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	11/12/10
2	ISSUED FOR PERMIT	11/12/10
3	ISSUED FOR PERMIT	11/12/10
4	ISSUED FOR PERMIT	11/12/10
5	ISSUED FOR PERMIT	11/12/10
6	ISSUED FOR PERMIT	11/12/10
7	ISSUED FOR PERMIT	11/12/10
8	ISSUED FOR PERMIT	11/12/10
9	ISSUED FOR PERMIT	11/12/10
10	ISSUED FOR PERMIT	11/12/10

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MICHIGAN ELECTRICAL CODE, THE MICHIGAN MECHANICAL CODE, AND THE MICHIGAN STRUCTURAL CODE.
2. ALL MATERIALS SHALL BE OF THE QUALITY AND TYPE SPECIFIED IN THE SPECIFICATIONS.
3. ALL WORK SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE LOCAL BUILDING DEPARTMENT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
6. ALL UTILITIES SHALL BE LOCATED AND DEPTH MARKED PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.
8. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
9. THE CONTRACTOR SHALL MAINTAIN A NEAT AND SAFE WORK SITE AT ALL TIMES.
10. ALL MATERIALS SHALL BE STORED PROPERLY ON SITE.



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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, 1% Pozzutec 20+
Placement Location: Slab 5-2
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 12-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: **NOV 19 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	2	Slump (in) ASTM C 143	5.75	Batched @
Ticket No.	--	Air (°F)	58	Arrived @
Truck No.	--	Concrete (°F) ASTM C 1064	63	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	3.5	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
Date received 15-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
67783	19-Nov-10	4.008	12.62	7	36,680	2910	5
67784	10-Dec-10			28			
67785	10-Dec-10			28			
67786	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



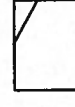
Cone & Split
2



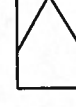
Columnar
3



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	--	--	10	--	--	--	--	--
3	--	--	10	--	--	--	--	--
4	--	--	10	--	--	--	--	--
5	--	--	10	--	--	--	--	--

Remarks: Total loads = 13
 Lightweight concrete.
 Curing Temperatures: Max = 75°, Min = 48°
 Unit Weight: 121.6 pcf.

Checked by: Don O'Hannigan
 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: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer, 1% Pozzutec 20+
Placement Location: Slab 5-2
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 12-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: NOV 19 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	8.0	Batched @	--
Ticket No.	--	Air (°F)	58	Arrived @	--
Truck No.	--	Concrete (°F) ASTM C 1064	62	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.75		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 15-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
67787	19-Nov-10	4.008	12.62	7	46,480	3680	5
67788	10-Dec-10			28			
67789	10-Dec-10			28			
67790	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



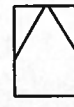
Columnar
3



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.)
7	--	--	10	--	--	--	--	--
8	--	--	10	--	--	--	--	--
9	--	--	10	--	--	--	--	--
10	--	--	10	--	--	--	--	--

Remarks: Total loads = 13
 Lightweight concrete.
 Curing Temperatures: Max = 75°, Min = 48°
 Unit Weight: 122.2 pcf.

Checked by: DM C
 Matthew T. Grady, Manager of MTS

R. W. GILLESPIE & ASSOCIATES, INC.
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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
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Admixtures: Mid Range Water Reducer, 1% Pozzotec 20+
Placement Location: Slab 5-2
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 12-Nov-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: **NOV 19 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	11	Slump (in) ASTM C 143	4.25	Batched @	--
Ticket No.	--	Air (°F)	54	Arrived @	2:50
Truck No.	--	Concrete (°F) ASTM C 1064	63	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.75		

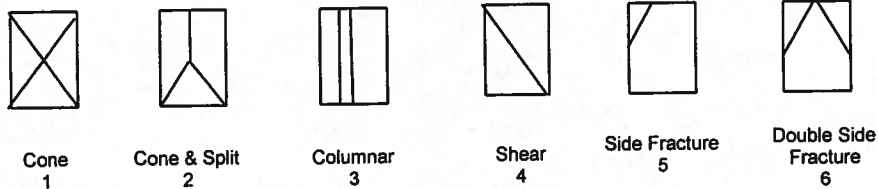
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 3
 Date received 15-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
67791	19-Nov-10	4.008	12.62	7	47,680	3780	5
67792	10-Dec-10			28			
67793	10-Dec-10			28			
67794	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.)
12	--	--	10	--	--	--	--	--
13	--	--	10	--	--	--	--	--

Remarks: Total loads = 13
 Lightweight concrete.
 Curing Temperatures: Max = 75°, Min = 48°
 Unit Weight: 121.8 pcf.

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

CONC.

SLAB-ON-DECK
130 CY LIGHTWEIGHT

Level 5

PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
557-14
1/2/2010
15K

