

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:	October 11, 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)
67312	9
67316	9
67320	9
67324	9

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)

Signed: Bertha Dawn

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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:	02-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Cloudy	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3500 lightweight
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/8
Placement Location:	2nd level slab on deck 3-2		
Test Cylinder Location:	See attached sketch		

Date Report Issued: OCT 18 2010

4x8 Cylinders	4	Cast by	Marco C Stone	Time
Load No.	2	Slump (in) ASTM C 143	9.5	Batched @
Ticket No.	177413	Air (°F)	55	Arrived @
Truck No.	97	Concrete (°F) ASTM C 1064	73	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	3.0	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2

Date received 04-Oct-10

Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67312	11-Oct-10	4.009	12.62	9	41,920	3320	2
67313	01-Nov-10			30			
67314	01-Nov-10			30			
67315	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



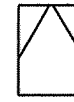
Columnar
3



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	177412	116	10	--	--	--	--	--
3	177414	76	10	--	--	--	--	--
4	177415	98	10	--	--	--	--	--
5	177416	82	10	--	--	--	--	--
6	177417	86	10	--	--	--	--	--
7	177418	116	10	--	--	--	--	--

Remarks: 19 Total Loads
Unit weight 125.80 pcf
Curing Temperatures: Max =74°, Min = 45°

Checked by: Matthew T. Grady
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: Cloudy
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: 2nd level slab on deck 3-2
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 02-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3500 lightweight
Max Agg. Size: 3/8

Date Report Issued: OCT 18 2010

4x8 Cylinders	4	Cast by	Marco C Stone			
Load No.	8	Slump (in) ASTM C 143	6	Time	Batched @	8:46
Ticket No.	177419	Air (°F)	64		Arrived @	--
Truck No.	97	Concrete (°F) ASTM C 1064	73		Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	4.0			

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
 Date received 04-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67316	11-Oct-10	4.009	12.62	9	48,780	3870	2
67317	01-Nov-10			30			
67318	01-Nov-10			30			
67319	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

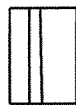
Types of Breaks



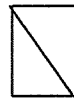
Cone
1



Cone & Split
2



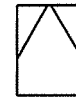
Columnar
3



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.)
9	177420	76	10	--	--	--	--	--
10	177422	98	10	--	--	--	--	--

Remarks: 19 Total Loads
 Unit weight 126.20 pcf
 Curing Temperatures: Max =74°, Min = 45°

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	02-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Cloudy	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3500 lightweight
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/8
Placement Location:	2nd level slab on deck 3-2		
Test Cylinder Location:	See attached sketch		

Date Report Issued: **OCT 1 8 2010**

4x8 Cylinders	4	Cast by	Marco C Stone	
Load No.	11	Slump (in) ASTM C 143	8	Time Batched @ 10:17 Arrived @ -- Total Time --
Ticket No.	177423	Air (°F)	70	
Truck No.	84	Concrete (°F) ASTM C 1064	73	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.75	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
Date received 04-Oct-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67320	11-Oct-10	4.009	12.62	9	46,220	3660	2
67321	01-Nov-10			30			
67322	01-Nov-10			30			
67323	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



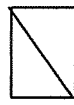
Cone
1



Cone & Split
2



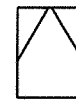
Columnar
3



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.)
12	177424	86	10	--	--	--	--	--
13	177425	99	10	--	--	--	--	--
14	177426	116	10	--	--	--	--	--
15	177427	97	10	--	--	--	--	--

Remarks: 19 Total Loads
Unit weight 125.20 pcf
Curing Temperatures: Max =74°, Min = 45°

Checked by:
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: Cloudy
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: 2nd level slab on deck 3-2
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 02-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3500 lightweight
Max Agg. Size: 3/8

Date Report Issued: OCT 10 2010

4x8 Cylinders	4	Cast by	Marco C Stone	Time		
Load No.	16	Slump (in) ASTM C 143	8		Batched @	10:54
Ticket No.	177428	Air (°F)	72		Arrived @	--
Truck No.	76	Concrete (°F) ASTM C 1064	73		Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.0			

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 2
 Date received 04-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67324	11-Oct-10	4.009	12.62	9	49,520	3920	2
67325	01-Nov-10			30			
67326	01-Nov-10			30			
67327	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



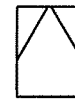
Columnar
3



Shear
4



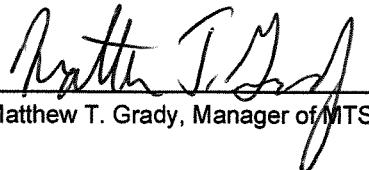
Side Fracture
5

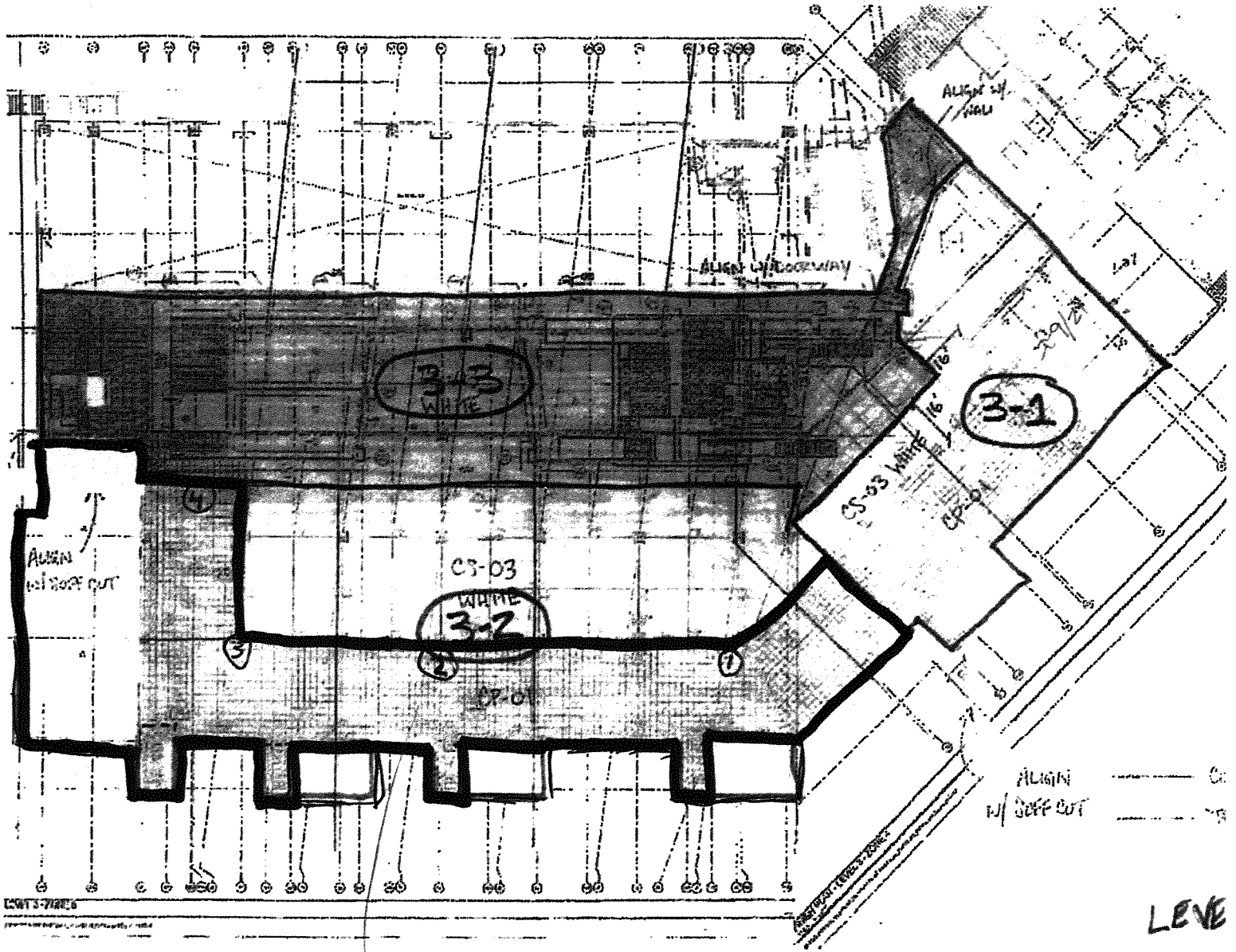


Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
17	177429	98	10	--	--	--	--	--
18	177430	84	10	--	--	--	--	--
19	177431	86	10	--	--	--	--	--

Remarks: 19 Total Loads
 Unit weight 126.80 pcf
 Curing Temperatures: Max = 74°, Min = 45°

Checked by: 
 Matthew T. Grady, Manager of MTS



CONCRETE PLACEMENT
- SLAB ON DECK

TERMINAL ENHANCEMENT AT
THE PORTLAND JETPORT
#557-14
MCS
OCTOBER 2, 2010

LEVEL
3