

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)
67352	7
67356	7
67360	7
67364	7
67368	7
67372	7
67376	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)

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
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab on grade
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 04-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: OCT 13 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	6.5	Batched @	6:33
Ticket No.	177326	Air (°F)	50	Arrived @	--
Truck No.	85	Concrete (°F) ASTM C 1064	68	Total Time	90
Cubic Yds.	10	Air Content (%) ASTM C 231	2.4		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 05-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
67352	11-Oct-10	4.009	12.62	7	37,500	2970	6
67353	01-Nov-10			28			
67354	01-Nov-10			28			
67355	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

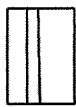
Types of Breaks



Cone
1



Cone & Split
2



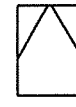
Columnar
3



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.)
2	177432	99	10	--	--	--	--	90+
3	177433	--	10	--	--	--	--	90+
4	177435	97	10	--	--	--	--	--

Remarks: 32 Total Loads
 Curing Temperatures: Max = 77°, Min = 62°

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: Overcast
Method of Placement: pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab on grade
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 04-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: **OCT 13 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	5	Slump (in) ASTM C 143	7.5	Batched @	7:17
Ticket No.	177436	Air (°F)	51	Arrived @	--
Truck No.	76	Concrete (°F) ASTM C 1064	64	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.7		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 05-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
67356	11-Oct-10	4.009	12.62	7	39,560	3130	3
67357	01-Nov-10			28			
67358	01-Nov-10			28			
67359	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



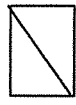
Cone
1



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	177332	82	10	--	--	--	--	90+
7	177337	118	10	--	--	--	--	90+
8	177338	83	10	--	--	--	--	--
9	177339	117	10	--	--	--	--	--
10	177340	85	10	--	--	--	--	--

Remarks: 32 Total Loads
 Curing Temperatures: Max = 77°, Min = 62°

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab on grade
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 04-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: OCT 13 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	11	Slump (in) ASTM C 143	7		
Ticket No.	--	Air (°F)	51		
Truck No.	--	Concrete (°F) ASTM C 1064	63		
Cubic Yds.	10	Air Content (%) ASTM C 231	2.5		
				Batched @	--
				Arrived @	--
				Total Time	--

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 05-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
67360	11-Oct-10	4.009	12.62	7	45,500	3610	2
67361	01-Nov-10			28			
67362	01-Nov-10			28			
67363	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



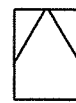
Columnar
3



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	177343	82	10	--	--	--	--	--
13	177344	118	10	--	--	--	--	--
14	177345	83	10	--	--	--	--	--
15	177346	117	10	--	--	--	--	--

Remarks: 32 Total Loads
 Curing Temperatures: Max = 77°, Min = 62°

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab on grade
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 04-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued: OCT 19 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	16	Slump (in) ASTM C 143	4	Batched @	--
Ticket No.	177347	Air (°F)	54	Arrived @	--
Truck No.	--	Concrete (°F) ASTM C 1064	64	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 05-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
67364	11-Oct-10	4.009	12.62	7	46,840	3710	2
67365	01-Nov-10			28			
67366	01-Nov-10			28			
67367	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



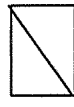
Cone
1



Cone & Split
2



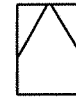
Columnar
3



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	177348	76	10	--	--	--	--	--
18	177349	82	10	--	--	--	--	--
19	177350	118	10	--	--	--	--	--
20	177351	83	10	--	--	--	--	--
21	177352	117	10	--	--	--	--	--
22	177353	76	10	--	--	--	--	--

Remarks: 32 Total Loads
 Curing Temperatures: Max = 77°, Min = 62°

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	04-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Overcast	General Contractor:	Turner
Method of Placement:	pump	Design Strength:	3,000
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/4
Placement Location:	Slab on grade		
Test Cylinder Location:	See attached sketch		

Date Report Issued: OCT 18 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	23	Slump (in) ASTM C 143	6	Batched @
Ticket No.	177354	Air (°F)	62	Arrived @
Truck No.	82	Concrete (°F) ASTM C 1064	64	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	2.9	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 05-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
67368	11-Oct-10	4.009	12.62	7	38,100	3020	6
67369	01-Nov-10			28			
67370	01-Nov-10			28			
67371	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



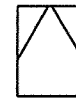
Columnar
3



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.)
24	177355	99	10	--	--	--	--	--
25	177356	83	10	--	--	--	--	--

Remarks: 32 Total Loads
 Curing Temperatures: Max = 77°, Min = 62°

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	04-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Overcast	General Contractor:	Turner
Method of Placement:	pump	Design Strength:	3,000
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/4
Placement Location:	Slab on grade		
Test Cylinder Location:	See attached sketch		

Date Report Issued: OCT 18 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	26	Slump (in) ASTM C 143	6.5	Batched @
Ticket No.	177357	Air (°F)	62	Arrived @
Truck No.	117	Concrete (°F) ASTM C 1064	68	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 05-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
67372	11-Oct-10	4.009	12.62	7	40,360	3200	2
67373	01-Nov-10			28			
67374	01-Nov-10			28			
67375	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.)
27	177358	76	10	--	--	--	--	--
28	177359	82	10	--	--	--	--	--
29	177361	96	10	--	--	--	--	--
30	177362	118	10	--	--	--	--	--

Remarks: 32 Total Loads
Curing Temperatures: Max = 77°, Min = 62°

Checked by:
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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Overcast
Method of Placement: pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab on grade
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 04-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,000
Max Agg. Size: 3/4

Date Report Issued:

OCT 13 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	31	Slump (in) ASTM C 143	6.25	Batched @	1:18
Ticket No.	177364	Air (°F)	62	Arrived @	--
Truck No.	119	Concrete (°F) ASTM C 1064	64	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.7		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 05-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
67376	11-Oct-10	4.009	12.62	7	37,580	2980	6
67377	01-Nov-10			28			
67378	01-Nov-10			28			
67379	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.)
32	177366	82	10	--	--	--	--	--

Remarks: 32 Total Loads
 Curing Temperatures: Max = 78°, Min = 56°

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

