

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)
67492	28
67493	28
67473	28
67474	28
67478	28
67479	28
67483	28
67484	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
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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: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab on Deck 4-3
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 13-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: **NOV 10 2010**

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	3	Slump (in) ASTM C 143	8	Batched @	7:17
Ticket No.	177600	Air (°F)	44	Arrived @	--
Truck No.	85	Concrete (°F) ASTM C 1064	63	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3.0		

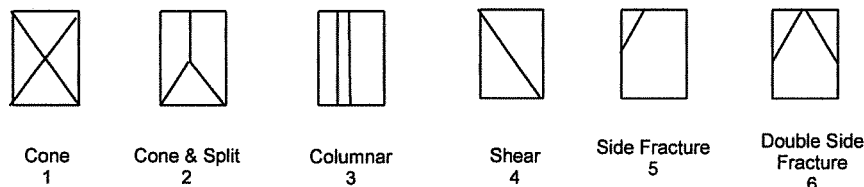
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 14-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
67490	18-Oct-10	4.015	12.66	5	56,080	4430	2
67491	20-Oct-10	4.016	12.67	7	63,420	5010	2
67492	10-Nov-10	4.009	12.62	28	74,760	5920	2
67493	10-Nov-10	4.009	12.62	28	72,220	5720	2
67470	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	177598	76	10	--	--	--	--	--
2	177599	115	10	--	--	--	--	--
4	177601	97	10	--	--	--	--	--
5	177602	116	10	--	--	--	--	--

Remarks: 22 Total Loads
 Unit weight 123.2 pcf
 Curing Temperatures: Max = 62°, Min = 54°

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	13-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/8
Placement Location:	Slab on Deck 4-3		
Test Cylinder Location:	See attached sketch		

Date Report Issued: **NOV 10 2010**

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time
Load No.	6	Slump (in) ASTM C 143	8	Batched @
Ticket No.	177603	Air (°F)	47	Arrived @
Truck No.	107	Concrete (°F) ASTM C 1064	65	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	3	

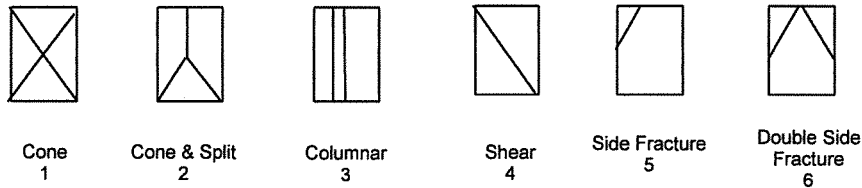
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 14-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
67471	18-Oct-10	4.015	12.66	5	51,060	4030	4
67472	20-Oct-10	4.016	12.67	7	51,680	4080	5
67473	10-Nov-10	4.009	12.62	28	63,240	5010	2
67474	10-Nov-10	4.009	12.62	28	62,860	4980	5
67475	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.)
7	177603	98	10	--	--	--	--	--
8	177606	76	10	--	--	--	--	--
9	177608	97	10	--	--	--	--	--
10	177610	107	10	--	--	--	--	--
11	177611	82	10	--	--	--	--	--

Remarks: 22 Total Loads
Unit weight 122.0 pcf
Curing Temperatures: Max = 62°, Min = 54°

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Matthew T. Grady, Manager of MTS

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	13-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/8
Placement Location:	Slab on Deck 4-3		
Test Cylinder Location:	See attached sketch		

Date Report Issued: **NOV 10 2010**

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	12	Slump (in) ASTM C 143	7	Batched @	9:44
Ticket No.	177614	Air (°F)	55	Arrived @	--
Truck No.	76	Concrete (°F) ASTM C 1064	61	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	3		

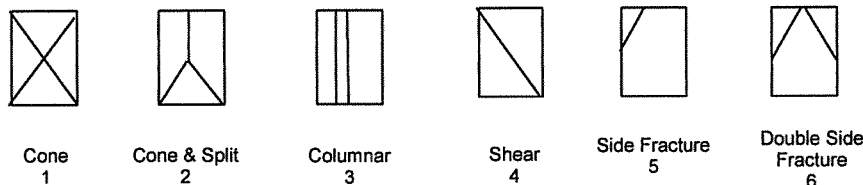
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 14-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
67476	18-Oct-10	4.015	12.66	5	49,080	3880	5
67477	20-Oct-10	4.016	12.67	7	53,300	4210	5
67478	10-Nov-10	4.009	12.62	28	70,520	5590	2
67479	10-Nov-10	4.009	12.62	28	68,080	5390	2
67480	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.)
13	177616	97	10	--	--	--	--	--
14	177617	107	10	--	--	--	--	--
15	177618	82	10	--	--	--	--	--
16	177619	99	10	--	--	--	--	--

Remarks: 22 Total Loads
 Unit weight 122.0 pcf
 Curing Temperatures: Max = 62°, Min = 54°

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 Matthew T. Grady, Manager of MTS

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Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	13-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/8
Placement Location:	Slab on Deck 4-3		
Test Cylinder Location:	See attached sketch		

Date Report Issued: **NOV 10 2010**

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	17	Slump (in) ASTM C 143	7.5	Batched @	10:51
Ticket No.	177620	Air (°F)	60	Arrived @	--
Truck No.	76	Concrete (°F) ASTM C 1064	61	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	4		

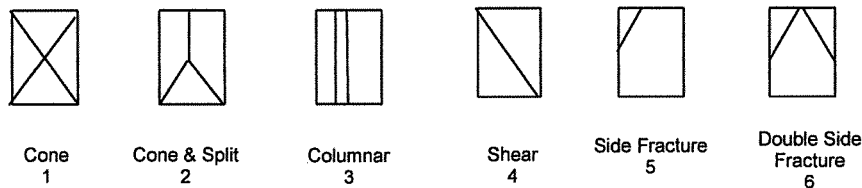
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 14-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
67481	18-Oct-10	4.015	12.66	5	47,260	3730	5
67482	20-Oct-10	4.016	12.67	7	53,660	4240	2
67483	10-Nov-10	4.009	12.62	28	61,460	4870	2
67484	10-Nov-10	4.009	12.62	28	65,000	5150	2
67485	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

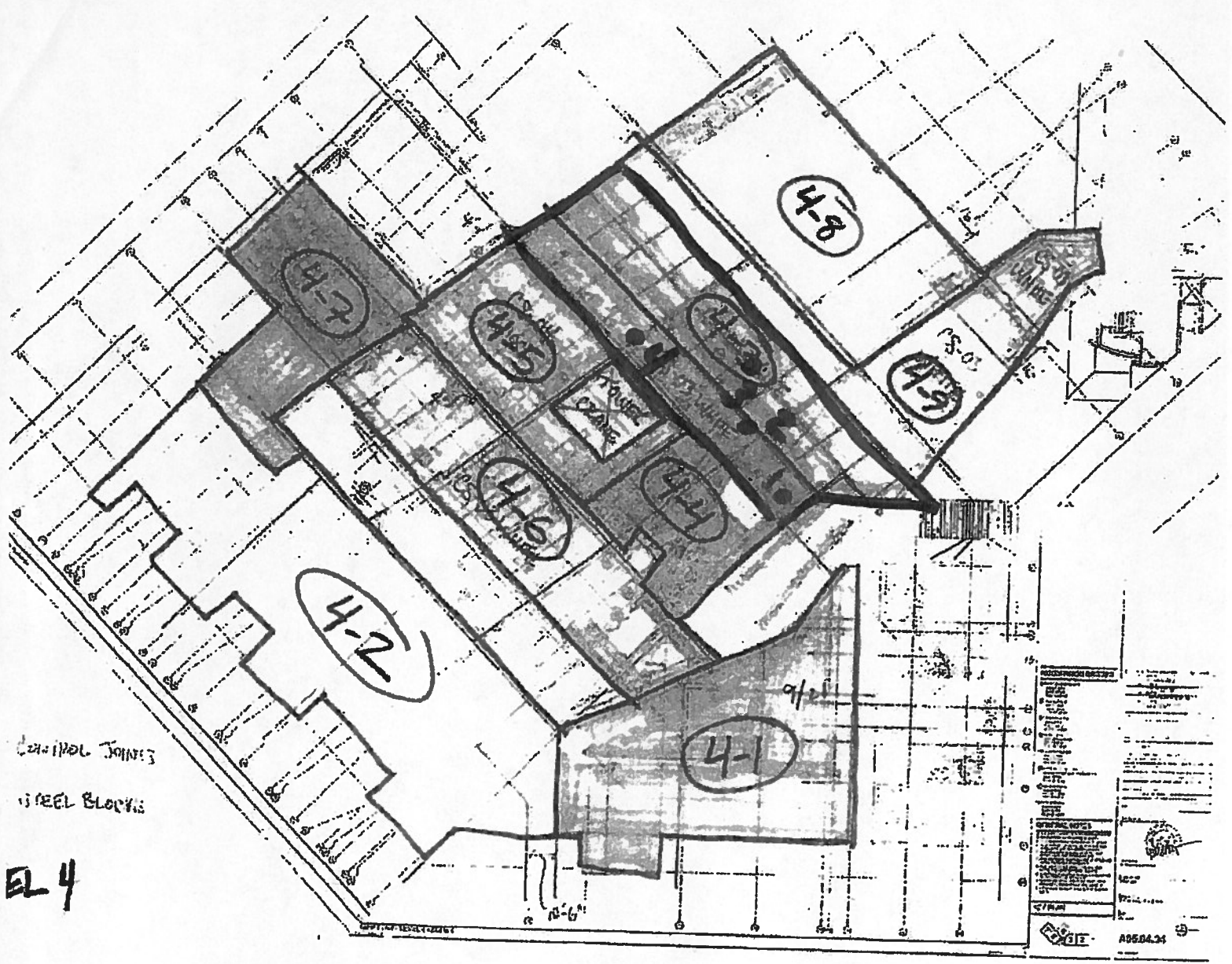
Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
18	177621	97	10	--	--	--	--	--
19	177622	116	10	--	--	--	--	--
20	177623	107	10	--	--	--	--	--
21	177624	85	10	--	--	--	--	--
22	177626	99	5	--	--	--	--	--

Remarks: 22 Total Loads
Unit weight 122.0 pcf
Curing Temperatures: Max = 62°, Min = 54°

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



CHIMNEY JOINTS
 STEEL BLOCKS

EL 4

GENERAL NOTES	
1.	SEE ARCHITECT'S DRAWINGS FOR DETAILS.
2.	ALL WORK TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.
3.	VERIFY ALL DIMENSIONS AND LOCATIONS BEFORE BEGINNING WORK.
4.	PROTECT ALL EXISTING WORK AND UTILITIES.
5.	MAINTAIN CLEAR ACCESS TO ALL EXITS AND STAIRS.
6.	USE PROPER SAFETY PROCEDURES AT ALL TIMES.
7.	KEEP WORK AREA CLEAN AND FREE OF OBSTRUCTIONS.
8.	REPORT ANY PROBLEMS OR CONCERNS TO THE SUPERVISOR IMMEDIATELY.
9.	USE ONLY APPROVED MATERIALS AND METHODS.
10.	VERIFY ALL WORK IS DONE TO THE SATISFACTION OF THE SUPERVISOR.

DATE: 9/21
 SCALE: AS SHOWN
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]