

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 21, 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)
67472	7
67477	7
67482	7
67491	7

Remarks:

Copy To:

Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
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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:	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: OCT 21 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		

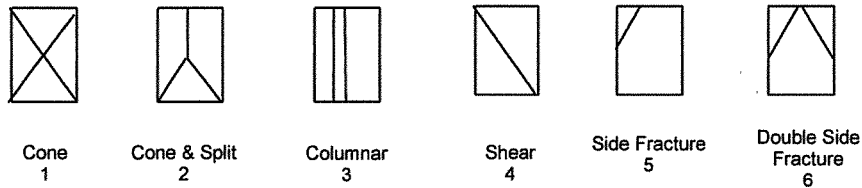
*Concrete sampled by ASTM C 172

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			28			
67493	10-Nov-10			28			
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, 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: OCT 21 2010

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	8	Batched @	7:47
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		

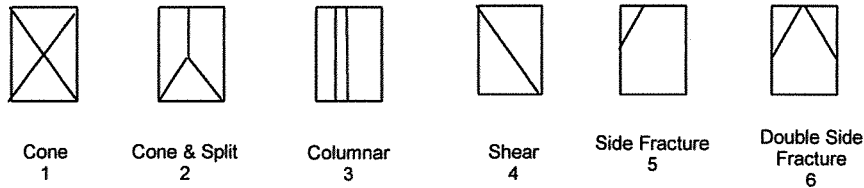
*Concrete sampled by ASTM C 172

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			28			
67474	10-Nov-10			28			
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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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: OCT 21 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		

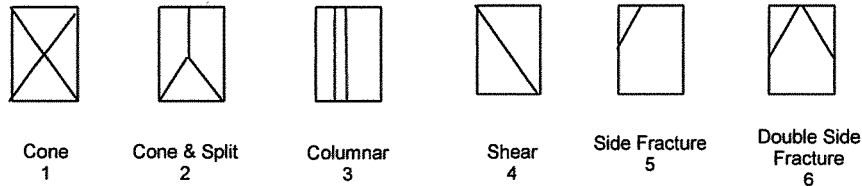
*Concrete sampled by ASTM C 172

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			28			
67479	10-Nov-10			28			
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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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:

OCT 21 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			28			
67484	10-Nov-10			28			
67485	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5

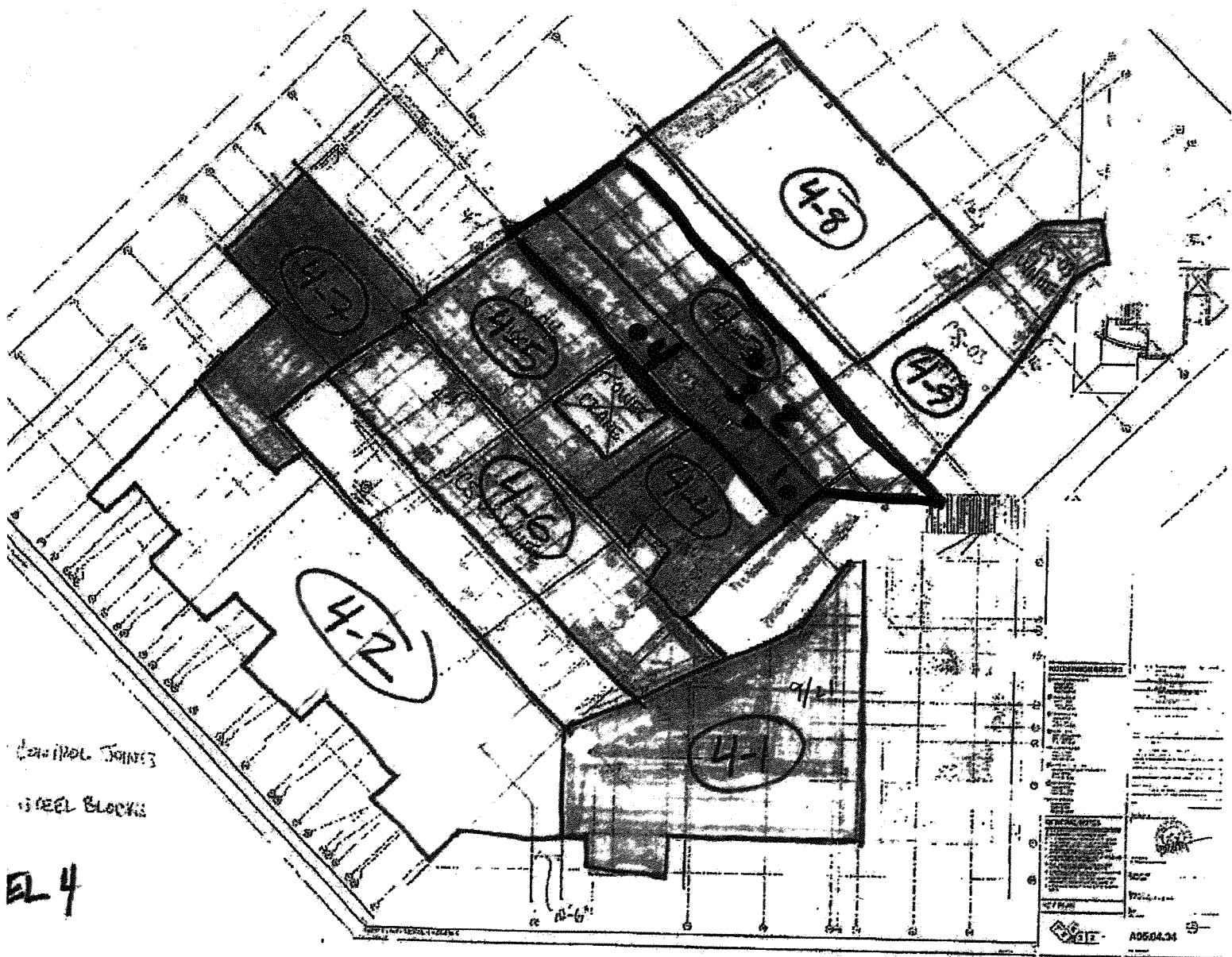


Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
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
 Matthew T. Grady, Manager of MTS



STEEL JOISTS
STEEL BLOCKS

EL 4

PROJECT INFORMATION
DATE: 10/1/04
DRAWN BY: [Signature]
CHECKED BY: [Signature]
SCALE: 1/8" = 1'-0"
SHEET NO. 1 OF 1
A0504.34