

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)
67546	28
67547	28
67550	28
67551	28
67554	28
67555	28
67558	28
67559	28

Remarks:

Copy To:
Roy Williams: rsw@portlandmaine.gov
Jim Stanislaski: jim_stanislaski@gensler.com
Cliff Takara: clifford_takara@gensler.com
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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	Date Cylinders Cast:	22-Oct-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Clear	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,500
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/8
Placement Location:	Slab 3-3-1		
Test Cylinder Location:	See Attached Sketch		

NOV 19 2010

Date Report Issued:

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	1	Slump (in) ASTM C 143	6.0	Batched @	--
Ticket No.	179867	Air (°F)	37	Arrived @	--
Truck No.	84	Concrete (°F) ASTM C 1064	55	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	4.25		

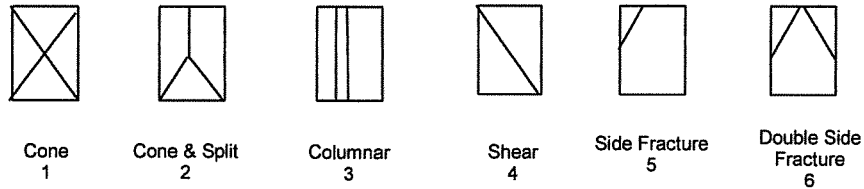
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 23-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
67544	27-Oct-10	4.014	12.65	5	67,780	5360	3
67545	29-Oct-10	4.015	12.66	7	75,500	5960	2
67546	19-Nov-10	4.008	12.62	28	89,080	7060	2
67547	19-Nov-10	4.008	12.62	28	83,700	6630	2
67548	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.)
2	179869	85	10	--	--	--	--	--
3	179871	98	10	4.25	--	--	--	--
4	179874	84	10	--	--	--	--	--
5	179876	76	10	--	--	--	--	--

Remarks: Total loads = 18
Unit weight 124.4 PCF

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
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 3-3-1
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 22-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

NOV 19 2010

Date Report Issued:

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	6	Slump (in) ASTM C 143	7.5	
Ticket No.	179877	Air (°F)	39	
Truck No.	98	Concrete (°F) ASTM C 1064	54	
Cubic Yds.	10	Air Content (%) ASTM C 231	3.25	
				Arrived @ --
				Total Time --

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 23-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
67549	29-Oct-10	4.015	12.66	7	68,100	5380	2
67550	19-Nov-10	4.008	12.62	28	76,580	6070	5
67551	19-Nov-10	4.008	12.62	28	78,700	6240	2
67552	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

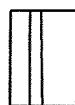
Types of Breaks



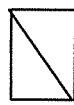
Cone
1



Cone & Split
2



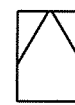
Columnar
3



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	179878	84	10	--	--	--	--	--
8	179879	76	10	--	--	--	--	--
9	179882	98	10	--	--	--	--	--
10	179884	84	10	--	--	--	--	--

Remarks: Total loads = 18
 Unit weight 124.2 PCF

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: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 3-3-1
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 22-Oct-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	3		Batched @
Ticket No.	179886	Air (°F)	40		Arrived @
Truck No.	76	Concrete (°F) ASTM C 1064	57		Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	4.25		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 23-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
67553	29-Oct-10	4.015	12.66	7	68,080	5380	5
67554	19-Nov-10	4.008	12.62	28	77,880	6170	2
67555	19-Nov-10	4.008	12.62	28	74,140	5870	5
67556	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

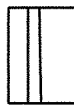
Types of Breaks



Cone
1



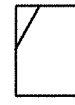
Cone & Split
2



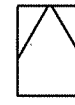
Columnar
3



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	179889	98	10	6.00	--	--	--	--
13	179891	82	10	--	--	--	--	--
14	179892	84	10	--	--	--	--	--
15	179894	76	10	--	--	--	--	--

Remarks: Total loads = 18
 Unit weight 123.8 PCF

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

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Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Clear
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 3-3-1
Test Cylinder Location: See Attached Sketch

Date Cylinders Cast: 22-Oct-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			
Load No.	16	Slump (in) ASTM C 143	2.25	Time	Batched @	--
Ticket No.	179897	Air (°F)	48		Arrived @	--
Truck No.	98	Concrete (°F) ASTM C 1064	58		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 23-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
67557	29-Oct-10	4.015	12.66	7	59,080	4670	2
67558	19-Nov-10	4.008	12.62	28	69,940	5540	5
67559	19-Nov-10	4.008	12.62	28	70,500	5590	2
67560	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5

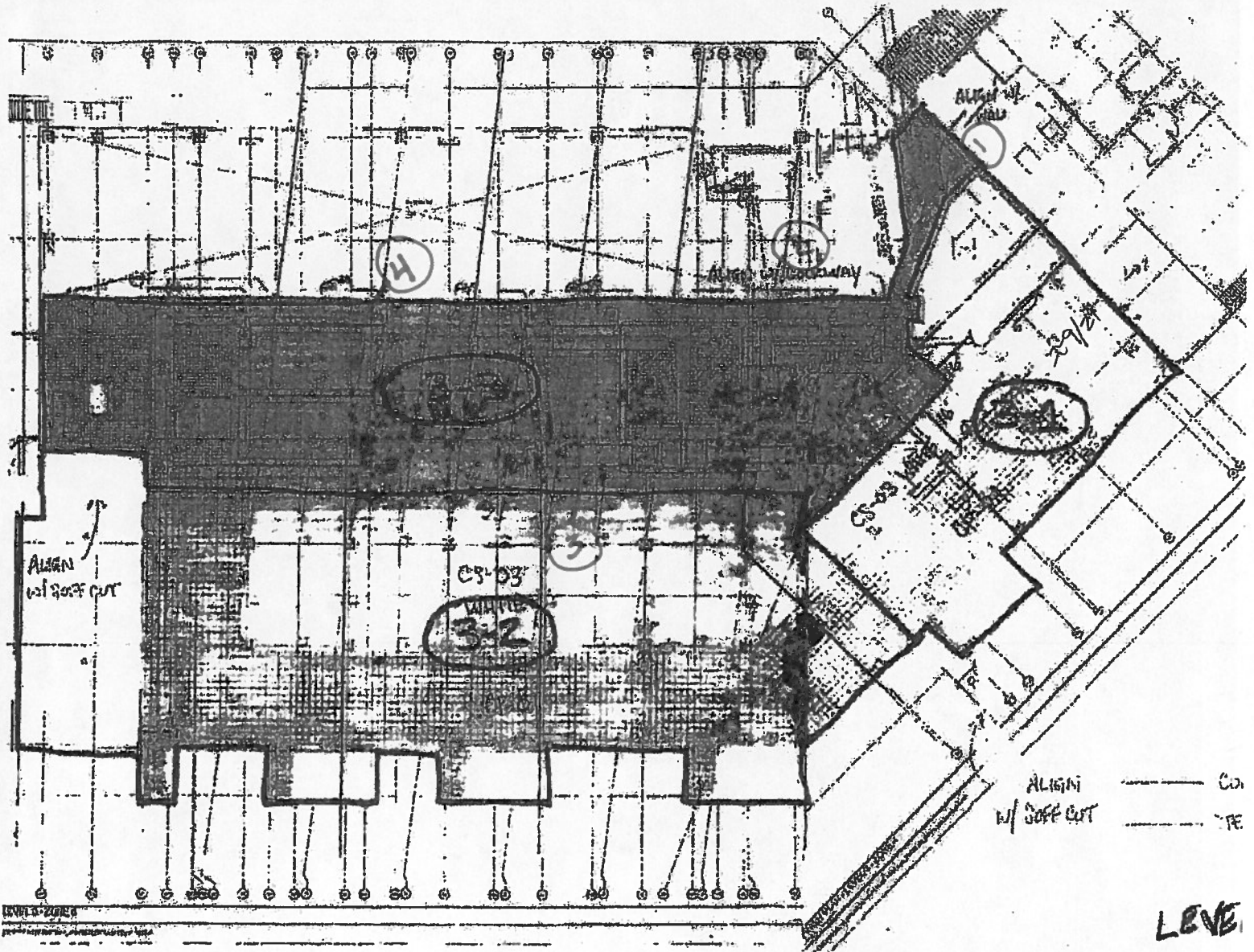


Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
17	17899	84	10	--	--	--	--	--
18	--	--	--	--	--	--	--	--

Remarks: Total loads = 18
 Unit weight 124.0

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



PORTLAND INT'L AIRPORT³
 TERMINAL EXPANSION
 SS7-14
 10/22/2010
 EEC + RRC