

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:	2 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)
67545	7
67549	7
67553	7
67557	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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 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	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		

Date Report Issued: **NOV 03 2010**

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	

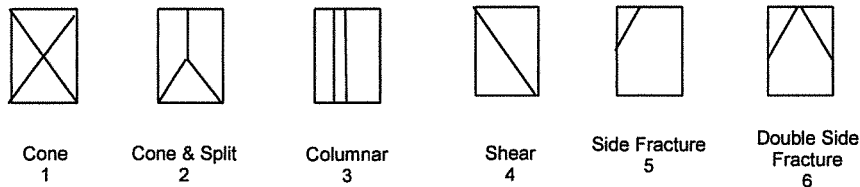
*Concrete sampled by ASTM C 172

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			28			
67547	19-Nov-10			28			
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: 
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:	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		

Date Report Issued: NOV 03 2010

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

*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
67549	29-Oct-10	4.015	12.66	7	68,100	5380	2
67550	19-Nov-10			28			
67551	19-Nov-10			28			
67552	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

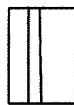
Types of Breaks



Cone
1



Cone & Split
2



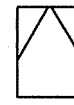
Columnar
3



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:
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

Date Report Issued: **NOV 03 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			28			
67555	19-Nov-10			28			
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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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		

Date Report Issued: **NOV 03 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			28			
67559	19-Nov-10			28			
67560	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



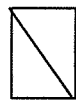
Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5

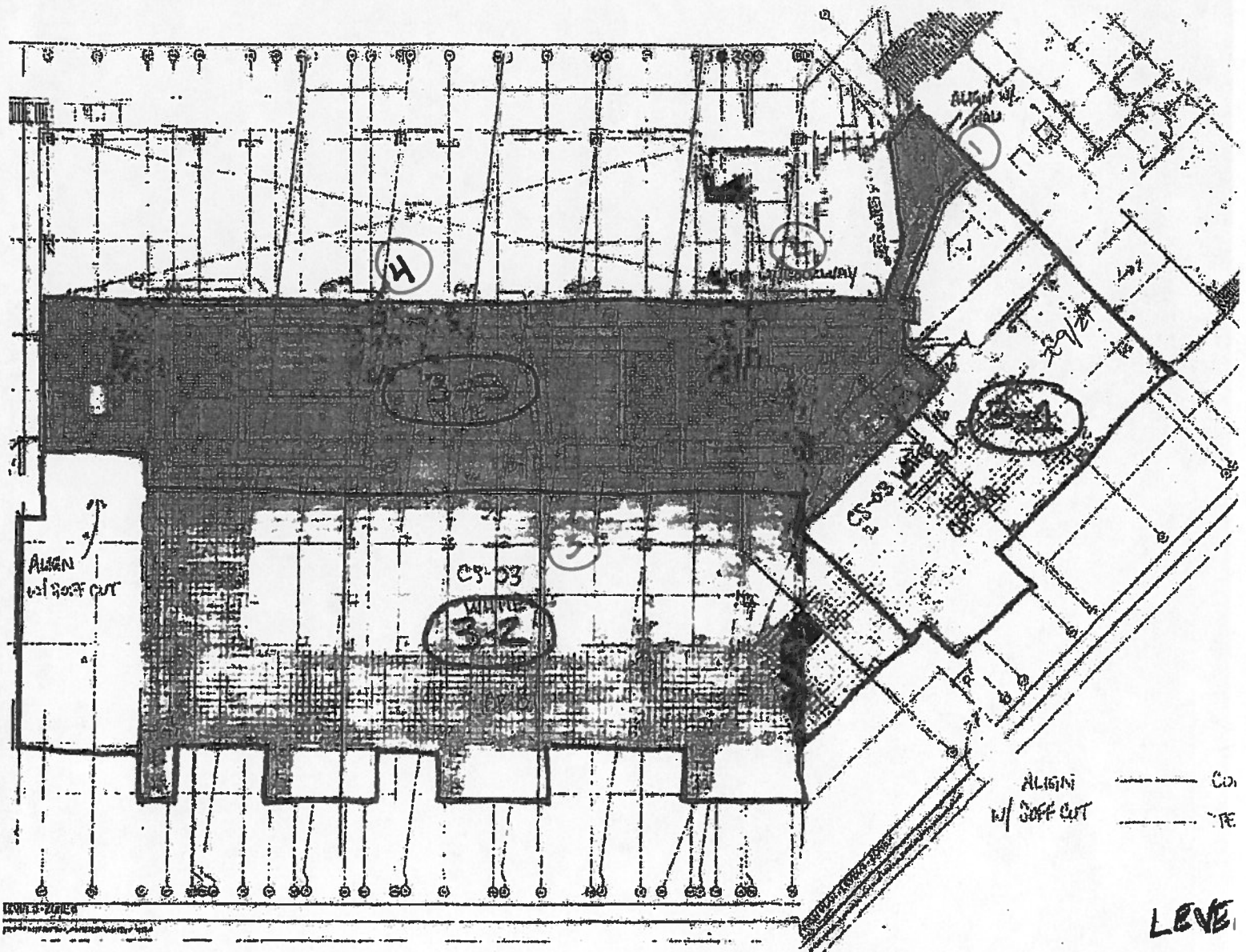


Double Side Fracture
6

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: *Don Chenevix*
 For Matthew T. Grady, Manager of MTS



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