

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:	26 August, 2011	Project No.:	0557-014
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)
68759	28
68760	28
68763	28
68764	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
Shaun Winner: swinner@tcco.com
Phil Coleman: pcoleman@tcco.com
Elizabeth O'Toole: eotoole@tcco.com
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.

R.W. GILLESPIE & ASSOCIATES

86 Industrial Park Road, Suite 4, Saco, ME 04072 (207) 286-8008
 200 International Drive, Suite 170, Portsmouth, NH 03801 (603) 427-0244

CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement at the Portland Jetport	Date Cylinders Cast:	29-Jul-11
Project No:	0557-014	Concrete Supplier:	Auburn Concrete
Weather Conditions:	Cloudy	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	4500 PSI
Admixtures:	Micro Air, Glenium 7500, Pozzoth 100XR	Max. Aggregate Size:	3/4 in.
Placement Location:	Elevated Walkway		
Test Cylinder Location:	Set #1 : Southeast Corner (Long Walkway)		

Date Report Issued: **AUG 30 2011**

4x8 Cylinders	4	Cast By	Travis D Thurber	Time
Load No.	4	Slump (in)	ASTM C 143	6
Ticket No.	189416	Air (°F)		72
Truck No.	116	Concrete (°F)		79
Cubic Yds.	10	Air Content (%)	ASTM C 231	5.8

Batched @ 8:24 AM
 Arrived @ -- AM
 Total Time 72 ±

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field Cure Days: 3
 Date Received: 1-Aug-11
 Condition of Cylinders: Good

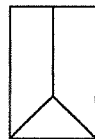
Lab No.	Test Date	Ave Dia (in)	Ave Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68758	5-Aug-11	4.010	12.63	7	61040	4830	2
68759	26-Aug-11	4.008	12.62	28	77680	6160	5
68760	26-Aug-11	4.008	12.62	28	75225	5960	2
68761	HOLD			H			

*Concrete compressive strength by ASTM C 39

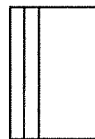
Types of Breaks



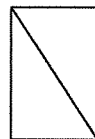
Cone
1



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)
1	189413	96	10	--	--	--	--	--
2	189414	94	10	--	--	--	--	--
3	189415	85	10	--	--	--	--	74
5	189417	94	10	--	--	--	--	43

Remarks: Curing temperatures: High = 85.6°, Low = 72.1°
 Total loads = 10

Checked by:
 Mathew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement at the Portland Jetport	Date Cylinders Cast:	29-Jul-11
Project No:	0557-014	Concrete Supplier:	Auburn Concrete
Weather Conditions:	Cloudy	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	4500 PSI
Admixtures:	Micro Air, Glenium 7500, Pozzoth 100XR	Max. Aggregate Size:	3/4 In.

Placement Location: Elevated Walkway

Test Cylinder Location: Set #2 : Southeast Corner (Roadway)

AUG 30 2011

Date Report Issued:

4x8 Cylinders	4	Cast By	Travis D Thurber	Time
Load No.	8	Slump (in)	ASTM C 143	7
Ticket No.	189420	Air (°F)		72
Truck No.	94	Concrete (°F)		79
Cubic Yds.	10	Air Content (%)	ASTM C 231	6.2

Batched @ 10:21 AM

Arrived @ -- AM

Total Time 50 ±

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field Cure Days: 3

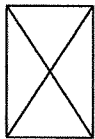
Date Received: 1-Aug-11

Condition of Cylinders: Good

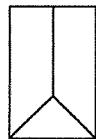
Lab No.	Test Date	Ave Dia (in)	Ave Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68762	5-Aug-11	4.010	12.63	7	55510	4400	6
68763	26-Aug-11	4.008	12.62	28	65485	5190	2
68764	26-Aug-11	4.008	12.62	28	66720	5290	6
68765	HOLD			H			

*Concrete compressive strength by ASTM C 39

Types of Breaks



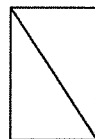
Cone
1



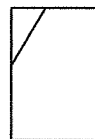
Cone & Split
2



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	189418	78	10	--	--	--	--	50
7	189419	116	10	--	--	--	--	54
9	189421	86	10	--	--	--	--	60
10	189422	78	10	--	--	--	--	68
11	--	--	4	--	--	--	--	--

Remarks: Curing temperatures: High = 85.6°, Low = 72.1°
 Total loads = 10

Checked by:
 Fotz Mathew T. Grady, Manager of MTS

SHEET NOTES

General Notes

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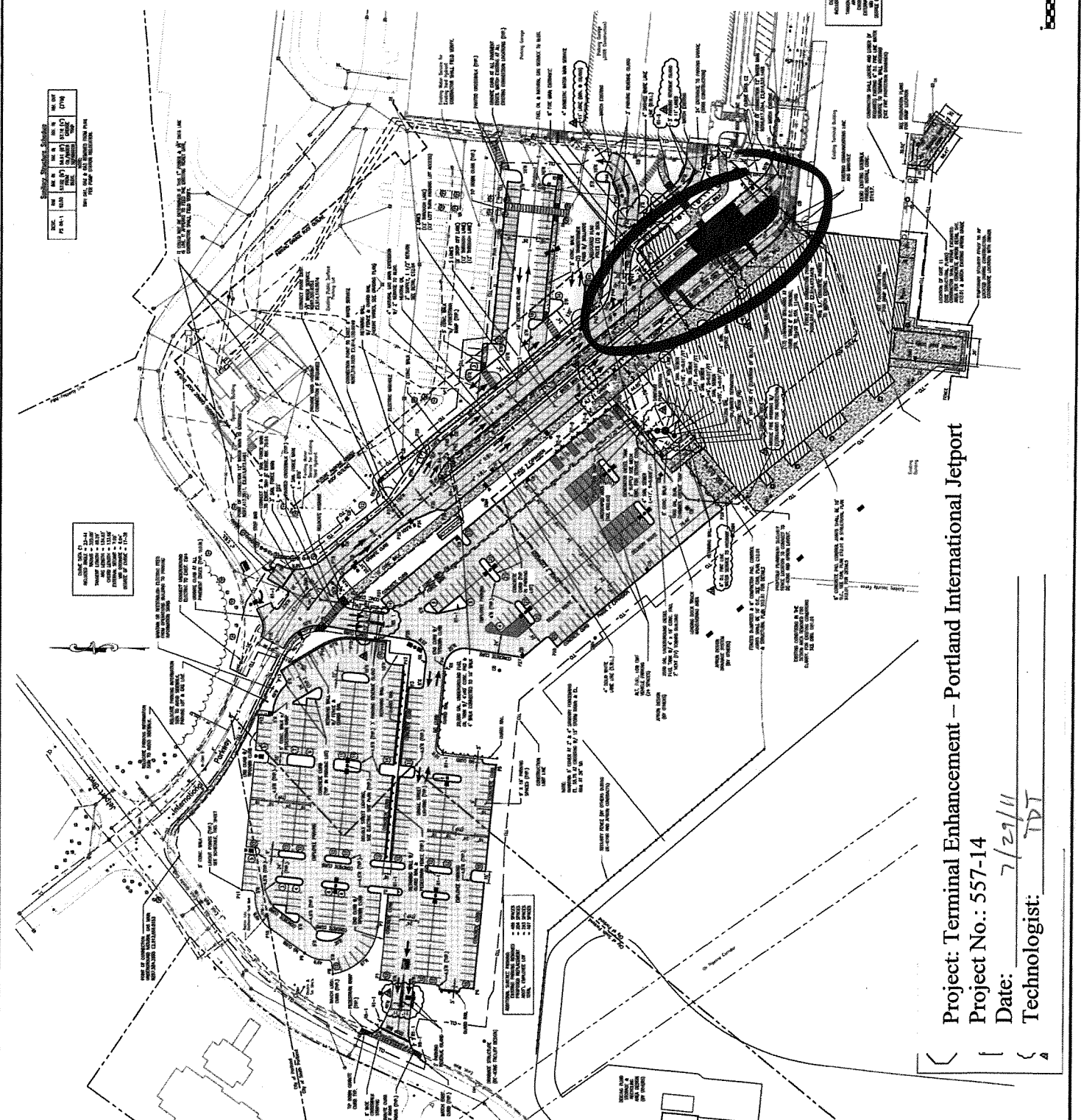
General Notes

General Notes

General Notes

General Notes

General Notes



Revised Schedule

NO.	DATE	BY	DESCRIPTION
1	07/29/11	[Signature]	ISSUED FOR PERMITTING
2	07/29/11	[Signature]	ISSUED FOR PERMITTING
3	07/29/11	[Signature]	ISSUED FOR PERMITTING
4	07/29/11	[Signature]	ISSUED FOR PERMITTING
5	07/29/11	[Signature]	ISSUED FOR PERMITTING
6	07/29/11	[Signature]	ISSUED FOR PERMITTING
7	07/29/11	[Signature]	ISSUED FOR PERMITTING
8	07/29/11	[Signature]	ISSUED FOR PERMITTING
9	07/29/11	[Signature]	ISSUED FOR PERMITTING
10	07/29/11	[Signature]	ISSUED FOR PERMITTING

GENERAL NOTES

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET.
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10. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET.

Project: Terminal Enhancement - Portland International Jetport
 Project No.: 557-14
 Date: 7/29/11
 Technologist: TDT

