

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:	July 27, 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)
66051	28
66052	28
66055	28
66056	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

Signed: Bertha Dawn

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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: Glenium 7500, Micro-air, Pozzolith 100XR
Placement Location: See attached sketch
Test Cylinder Location: Escalator Pit Footing Wall: XG/ZA - 6'

Date Cylinders Cast: 29-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 30 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	1	Slump (in) ASTM C 143	4.5	Batched @	1:42
Ticket No.	167036	Air (°F)	76	Arrived @	2:08
Truck No.	83	Concrete (°F) ASTM C 1064	81.7	Total Time	32
Cubic Yds.	10	Air Content (%) ASTM C 231	6.5		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 30-Jun-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66050	06-Jul-10	4.014	12.65	7	52,300	4130	2
66051	27-Jul-10	4.018	12.68	28	63,080	4970	2
66052	27-Jul-10	4.018	12.68	28	69,060	5450	2
66053	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



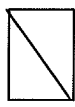
Cone
1



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.)
2	167037	101	10	--	--	--	--	70
3	167038	100	10	--	--	--	--	40
4	167041	99	10	--	--	--	--	--

Remarks: 8 Total Loads

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

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CONCRETE TEST/PLACEMENT REPORT

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Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Glenium 7500, Micro-air, Pozzolith 100XR
Placement Location: See attached sketch
Test Cylinder Location: Footing: Y3/XM

Date Cylinders Cast: 29-Jun-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: JUL 30 2010

4x8 Cylinders	4	Cast by	Erik E. Cohenour	Time	
Load No.	5	Slump (in) ASTM C 143	6.5	Batched @	3:30
Ticket No.	167042	Air (°F)	73	Arrived @	3:55
Truck No.	101	Concrete (°F) ASTM C 1064	81	Total Time	35
Cubic Yds.	10	Air Content (%) ASTM C 231	7		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 30-Jun-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66054	06-Jul-10	4.014	12.65	7	43,320	3420	2
66055	27-Jul-10	4.018	12.68	28	55,620	4390	2
66056	27-Jul-10	4.018	12.68	28	58,500	4610	6
66057	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

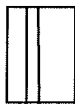
Types of Breaks



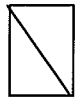
Cone
1



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.)
6	167043	100	10	--	--	--	--	35
7	167044	84	10	--	--	--	--	30
8	167045	86	5	--	--	--	--	30.00

Remarks: 8 Total Loads

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

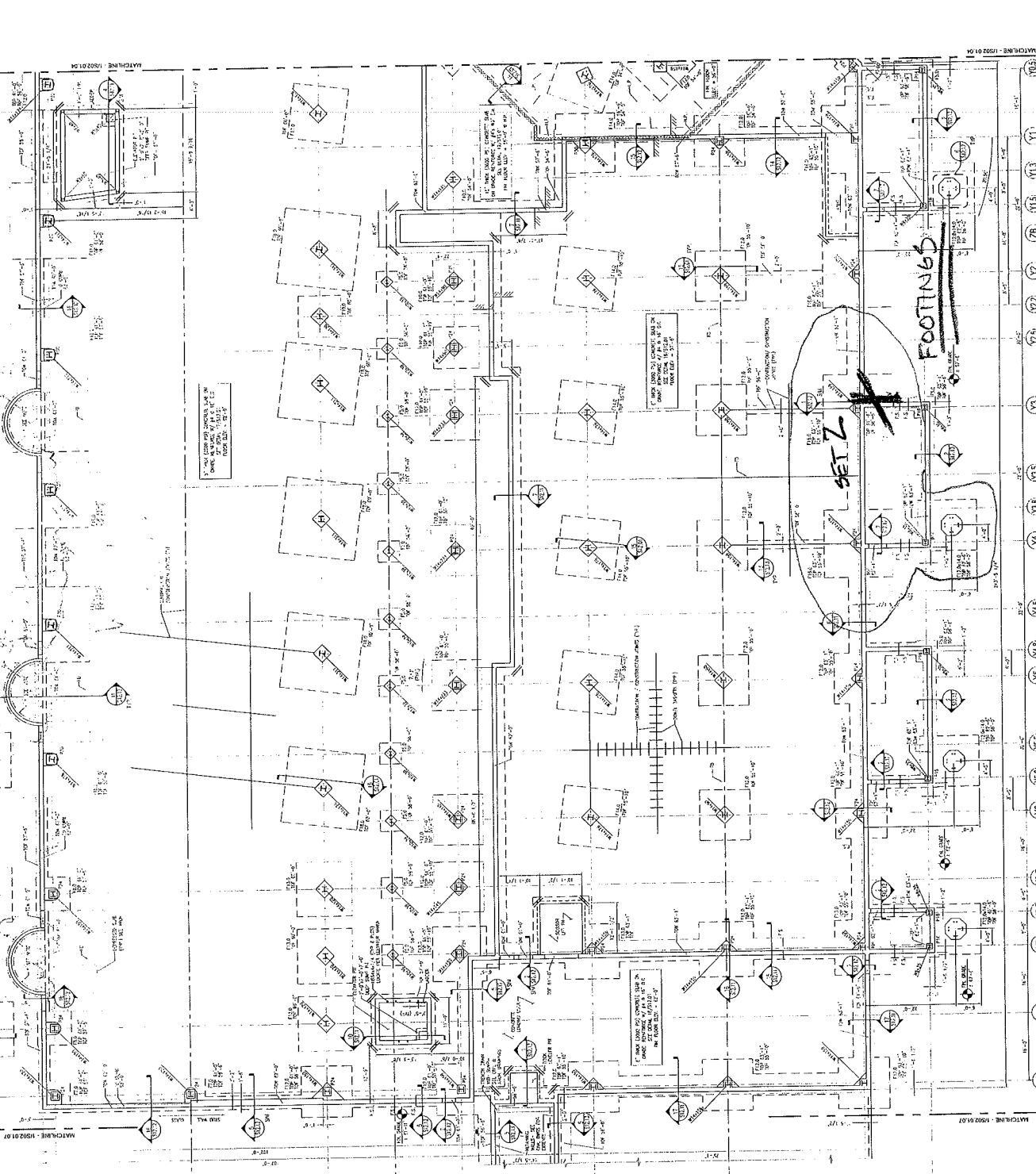
EEC 6/29/10 SS 7-14 Portland Jetport - Terminal Expansion

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
west ASSOCIATES INC.
ARCHITECTS - INTERIORS - PLANNERS - CONSTRUCTION MANAGERS

SHEET NOTES

1. REFER TO SHEET SS 7-13 FOR GENERAL NOTES.
2. ALL FOUNDATION WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND THE LATEST EDITIONS OF THE ACI 308R AND ACI 309R.
3. ALL FOUNDATION WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE ACI 308R AND ACI 309R.
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S02.01.05

KEY PLAN

FOUNDATION PLAN - LEVEL 1&2 - ZONE 5