

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 29, 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)
66075	28
66076	28
66079	28
66080	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

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

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: See attached sketch
Test Cylinder Location: Footing Wall: Y3.8/XM

Date Cylinders Cast: 01-Jul-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	5.5	Batched @	1:05
Ticket No.	167076	Air (°F)	68	Arrived @	1:25
Truck No.	107	Concrete (°F) ASTM C 1064	78	Total Time	30
Cubic Yds.	10	Air Content (%) ASTM C 231	6.0		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1

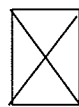
Date received 02-Jul-10

Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66074	08-Jul-10	4.015	12.66	7	49,280	3890	6
66075	29-Jul-10	4.022	12.70	28	70,420	5540	2
66076	29-Jul-10	4.022	12.70	28	70,640	5560	2
66077	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	167081	98	10	--	--	--	--	30
3	167082	99	10	--	--	--	--	50
4	167084	101	10	--	--	--	--	41
5	167087	98	10	--	--	--	--	36

Remarks: Curing Temperatures: Max = 85°, Min = 55°
 9 Total Loads

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

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
CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: Sunny
Method of Placement: Pump
Admixtures: Mld Range Water Reducer
Placement Location: See attached sketch
Test Cylinder Location: Footing: 1ZD - ZC

Date Cylinders Cast: 01-Jul-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.	6	Slump (in) ASTM C 143	6.5	Batched @	2:50
Ticket No.	167089	Air (°F)	68	Arrived @	3:10
Truck No.	99	Concrete (°F) ASTM C 1064	79	Total Time	34
Cubic Yds.	10	Air Content (%) ASTM C 231	7.0		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 02-Jul-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
66078	08-Jul-10	4.015	12.66	7	47,640	3760	3
66079	29-Jul-10	4.022	12.70	28	68,940	5430	3
66080	29-Jul-10	4.022	12.70	28	65,460	5150	2
66081	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



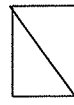
Cone
1



Cone & Split
2



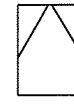
Columnar
3



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	167090	117	10	--	--	--	--	31
8	167092	101	10	--	--	--	--	35
9	167094	98	10	--	--	--	--	40

Remarks: Curing Temperatures: Max = 85°, Min = 55°
 9 Total Loads

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

7/1/10 EEC 557-14 PORTLAND JETPORT

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

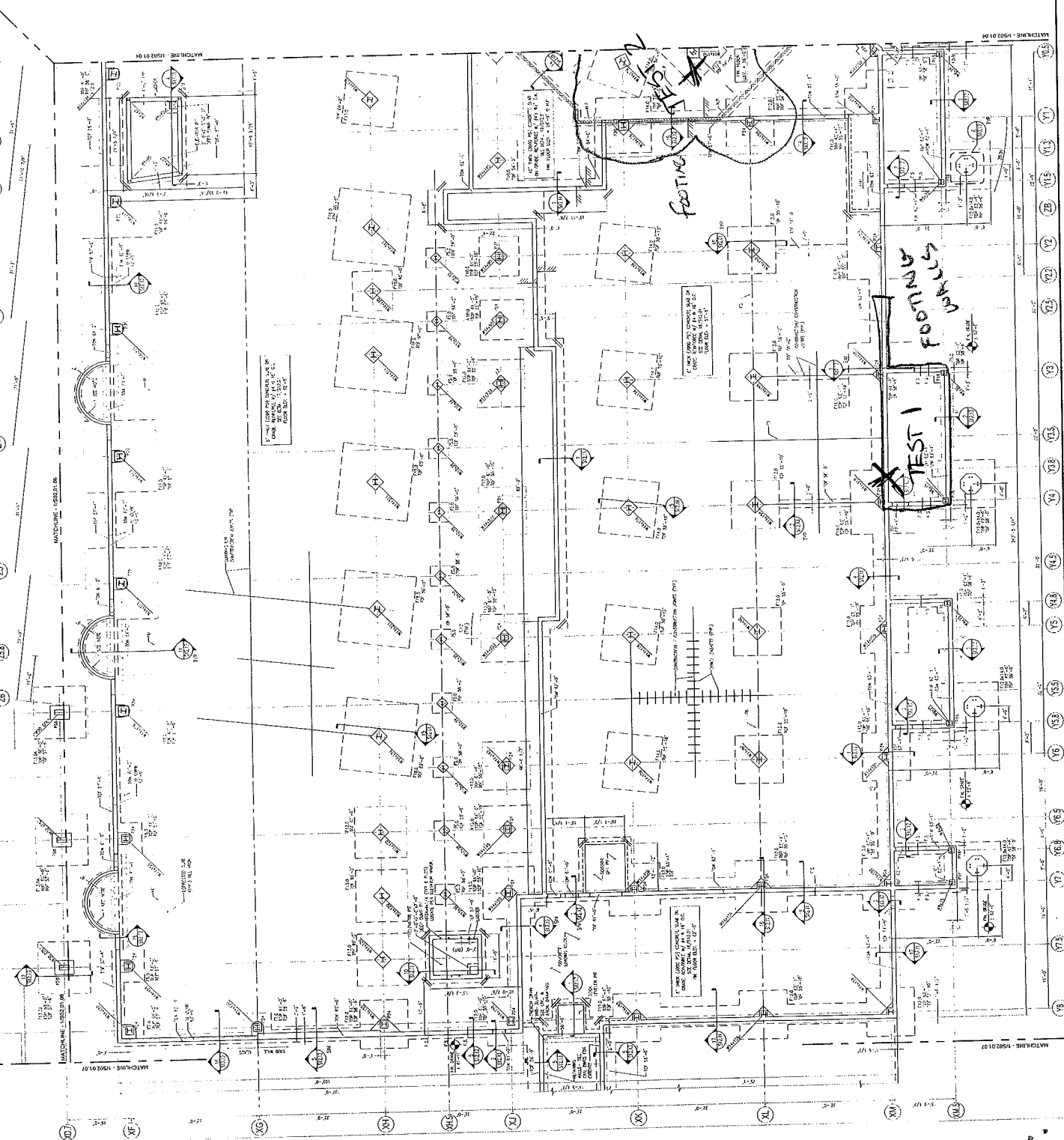
Gensler

west ASSOCIATES, INC.
engineers, architects, interior, construction managers

2014 Main St.
Portland, ME 04101
Phone: 603.233.2200
Fax: 603.233.2201
www.westassoc.com

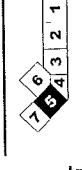
SHEET NOTES

1. REFER TO SHEET 182-01 FOR GENERAL NOTES.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC).
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
9. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.



- GENERAL NOTES**
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL AND ELECTRICAL CODE (IMC).
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 9. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.
 10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) CODES.

KEY PLAN



S02.01.05

