

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:	August 16, 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)
66334	28
66335	28
66338	28
66339	28

Remarks:

Copy To:
 Roy Williams: rsw@portlandmaine.gov
 Jim Stanislaski: jim_stanislaski@gensler.com
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Signed: Bertha Dawn

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	19-Jul-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	4,000
Admixtures:	Mid Range Water Reducer	Max Agg. Size:	3/4
Placement Location:	Zone 5: Footings: XH/Z2, XH/Z1, XJ/Y2, XJ/2.5, XH.5/Y2, XH.5/Y2.5; Wall: Line XJ/Y1.5 to 5' Southeast of Y2, Y1.5/XJ to 10' Southwest of XJ, 10' Southwest of XJ/Y1.5 to 5' Northwest of Y2.5; Pier: 5' Southwest of XM.5 & 4' Southeast of Y5.8		
Test Cylinder Location:	Footing at XH/Z2	Date Report Issued:	AUG 17 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich		Time
Load No.	2	Slump (in) ASTM C 143	5.5		Batched @ 1:16
Ticket No.	167535	Air (°F)	76		Arrived @ 1:40
Truck No.	84	Concrete (°F) ASTM C 1064	85		Total Time 40
Cubic Yds.	10	Air Content (%) ASTM C 231	5.6		

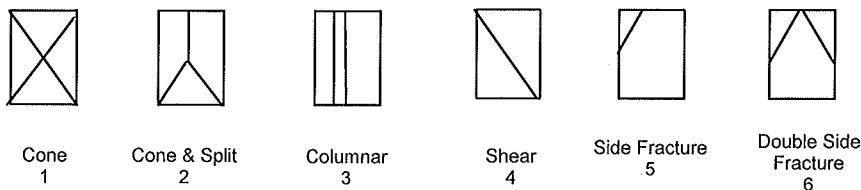
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 20-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
66333	26-Jul-10	4.014	12.65	7	47,140	3730	2
66334	16-Aug-10	4.015	12.66	28	64,500	5090	5
66335	16-Aug-10	4.015	12.66	28	67,580	5340	2
66336	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.)
1	167534	97	10	--	--	--	--	35
3	167536	96	10	--	--	--	--	45
4	167537	98	10	--	--	--	--	55
5	167538	85	10	--	--	--	--	50

Remarks: Curing Temperatures: Max = 86°, Min = 64°
 Total loads = 7

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: Sunny
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Zone 5: Footings: XH/Z2, XH/Z1, XJ/Y2, XJ/2.5, XH.5/Y2, XH.5/Y2.5; Wall: Line XJ/Y1.5 to 5' Southeast of Y2, Y1.5/XJ to 10' Southwest of XJ, 10' Southwest of XJ/Y1.5 to 5' Northwest of Y2.5; Pier: 5' Southwest of XM.5 & 4' Southeast of Y5.8
Test Cylinder Location: Footing at XJ/Y2 & Wall Line XJ/Y1.5 to 5' Southeast of Y2, Y1.5/XJ to 10' Southwest of XJ

Date Cylinders Cast: 19-Jul-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 4,000
Max Agg. Size: 3/4

Date Report Issued: **AUG 17 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	5.0	Batched @	1:59
Ticket No.	167540	Air (°F)	76	Arrived @	2:25
Truck No.	102	Concrete (°F) ASTM C 1064	86	Total Time	60
Cubic Yds.	10	Air Content (%) ASTM C 231	5.1		

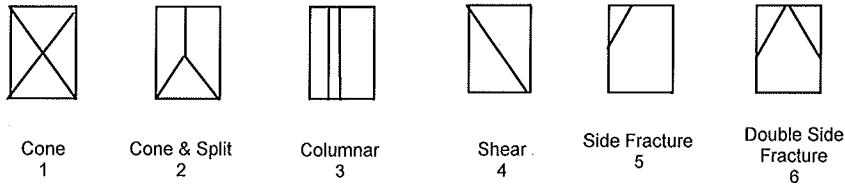
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 20-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
66337	26-Jul-10	4.014	12.65	7	46,140	3650	3
66338	16-Aug-10	4.015	12.66	28	65,360	5160	3
66339	16-Aug-10	4.015	12.66	28	66,080	5220	3
66340	HOLD			HOLD			

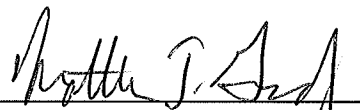
*Concrete compressive strength by ASTM C 39

Types of Breaks



Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
7	167545	85	10	--	--	--	--	35

Remarks: Curing Temperatures: Max = 86°, Min = 64°
 Total loads = 7

Checked by: 
 Matthew T. Grady, Manager of MTS