

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:	30 Nov 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)
67686	28
67687	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
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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:	02-Nov-10
Project No:	557-14	Concrete Supplier:	Auburn
Weather Conditions:	Sunny	General Contractor:	Turner
Method of Placement:	Pump	Design Strength:	3,000
Admixtures:	Mid Range Water Reducer, 2% Pozzutec 20	Max Agg. Size:	3/4
Placement Location:	Parapet Walls and Column Diamonds		
Test Cylinder Location:	Parapet Walls - See Attached Sketch		

Date Report Issued:

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time
Load No.	1	Slump (in) ASTM C 143	6.5	Batched @
Ticket No.	180177	Air (°F)	46	Arrived @
Truck No.	99	Concrete (°F) ASTM C 1064	60	Total Time
Cubic Yds.	10	Air Content (%) ASTM C 231	4.5	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
Date received 03-Nov-10
Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67685	09-Nov-10	4.009	12.62	7	52,480	4160	5
67686	30-Nov-10	4.009	12.62	28	71,540	5670	5
67687	30-Nov-10	4.009	12.62	28	75,180	5960	5
67688	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



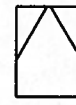
Columnar
3



Shear
4



Side Fracture
5



Double Side Fracture
6

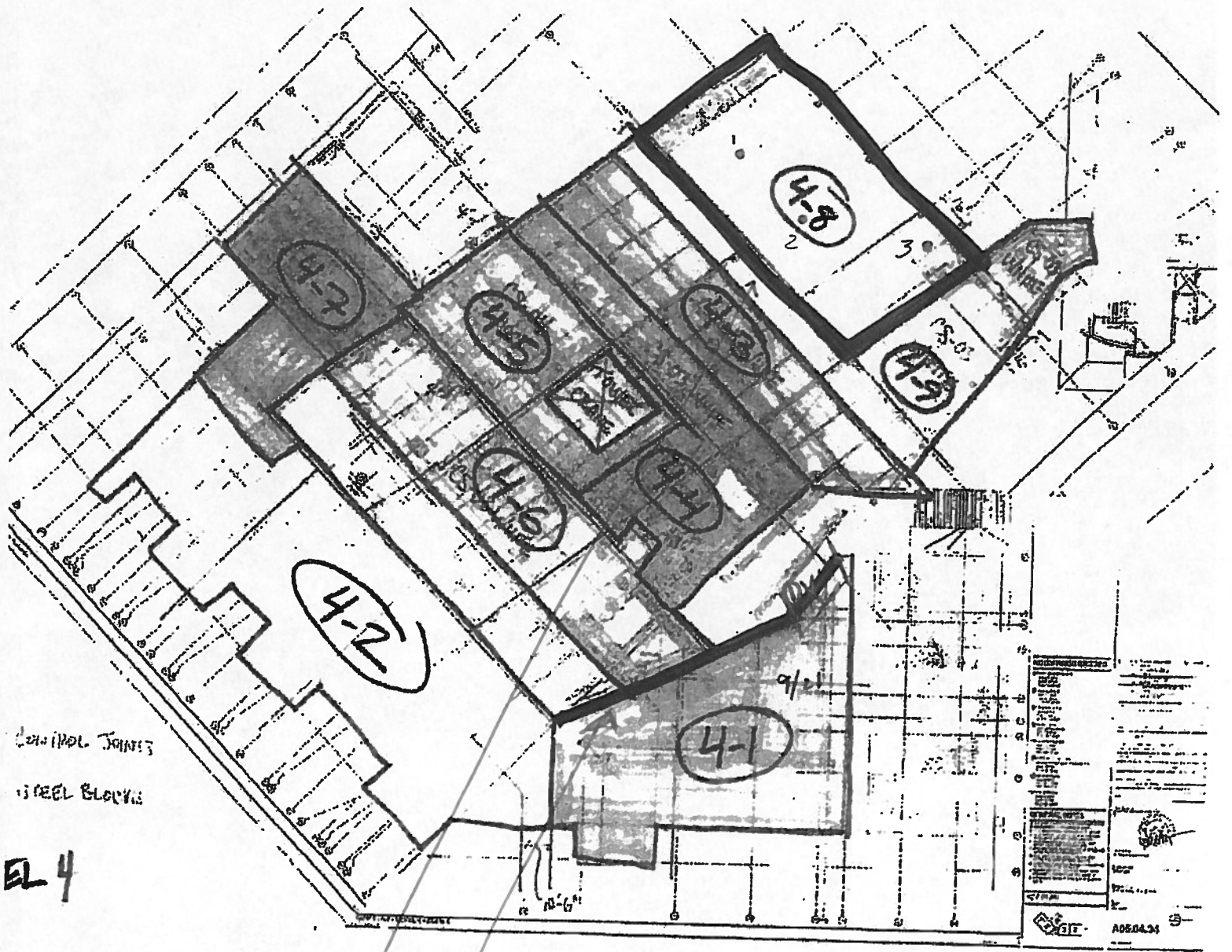
Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
2	180180	97	10	--	--	--	--	85
3	180184	85	10	--	--	--	--	75
4	--	--	5	--	--	--	--	--

Remarks: *Notified Turner reps of impending time (90 min.). Was informed that as long as truck was at hopper before 90 minutes, it was okay to place. Also notified Lacey Fogg.

**Hydraulic line broke at 85 minutes. Full load not discharged.

Curing Temps: Max 58°, Min 48°

Checked by:
Matthew T. Grady, Manager of MTS



CONC. JOINTS
STEEL BLOCKS

EL 4

140 yds LIGHTWEIGHT
SLAB 4-8

35 yds NORMAL WEIGHT
PARAPET WALLS

PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
557-14
11/21/2010
MSK