

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:	October 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)
67522	7
67527	7
67531	7
67535	7

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
 Idobson@portlandmaine.gov
 rdixon@tcco.com
 gemitchell@tcco.com
 Remi Delcourt (remi@auburnconcrete.com)
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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
Project No: 557-14
Weather Conditions: --
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 4-5
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 20-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: **OCT 28 2010**

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time	
Load No.	2	Slump (in) ASTM C 143	9		Batched @ 7:27
Ticket No.	179813	Air (°F)	40		Arrived @ 8:03
Truck No.	96	Concrete (°F) ASTM C 1064	56		Total Time --
Cubic Yds.	10	Air Content (%) ASTM C 231	3.25		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 21-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67521	25-Oct-10	4.009	12.62	5	37,320	2960	5
67522	27-Oct-10	4.014	12.65	7	39,540	3130	2
67523	17-Nov-10			28			
67524	17-Nov-10			28			
67525	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



Cone
1



Cone & Split
2



Columnar
3



Shear
4



Side Fracture
5



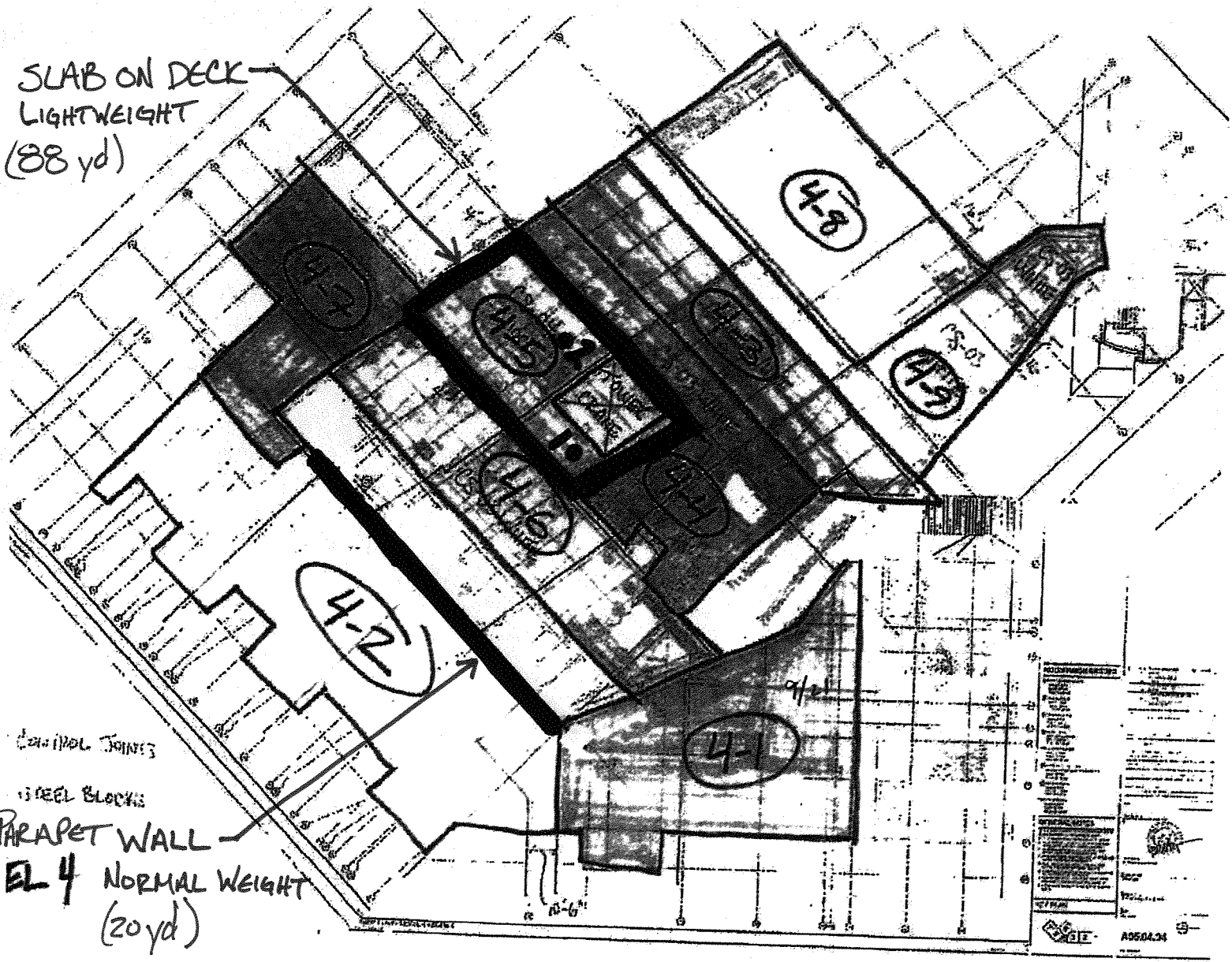
Double Side Fracture
6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min.)
1	179811	116	10	--	--	--	--	--
3	179815	97	10	--	--	--	--	--
4	179816	86	10	--	--	--	--	--
5	179817	116	10	--	--	--	--	--

Remarks: 9 Total Loads
 Unit weight 122.60 pcf

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

SLAB ON DECK
LIGHTWEIGHT
(88 yd)



CONTROL JOINTS
STEEL BLOCKS
PARAPET WALL
EL 4 NORMAL WEIGHT
(20 yd)

PORTLAND INT'L AIRPORT
TERMINAL EXPANSION
557-14
10/20/2010
MSK

Portland International
Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler
MESE ASSOCIATES, INC.
ENGINEERS - ARCHITECTS - INTERIORS - CONSTRUCTION MANAGEMENT

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
SS7-14
10/20/2010
MSK

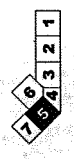
SHEET NOTES

- 1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
- 2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
- 3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
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- 18. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
- 19. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
- 20. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.

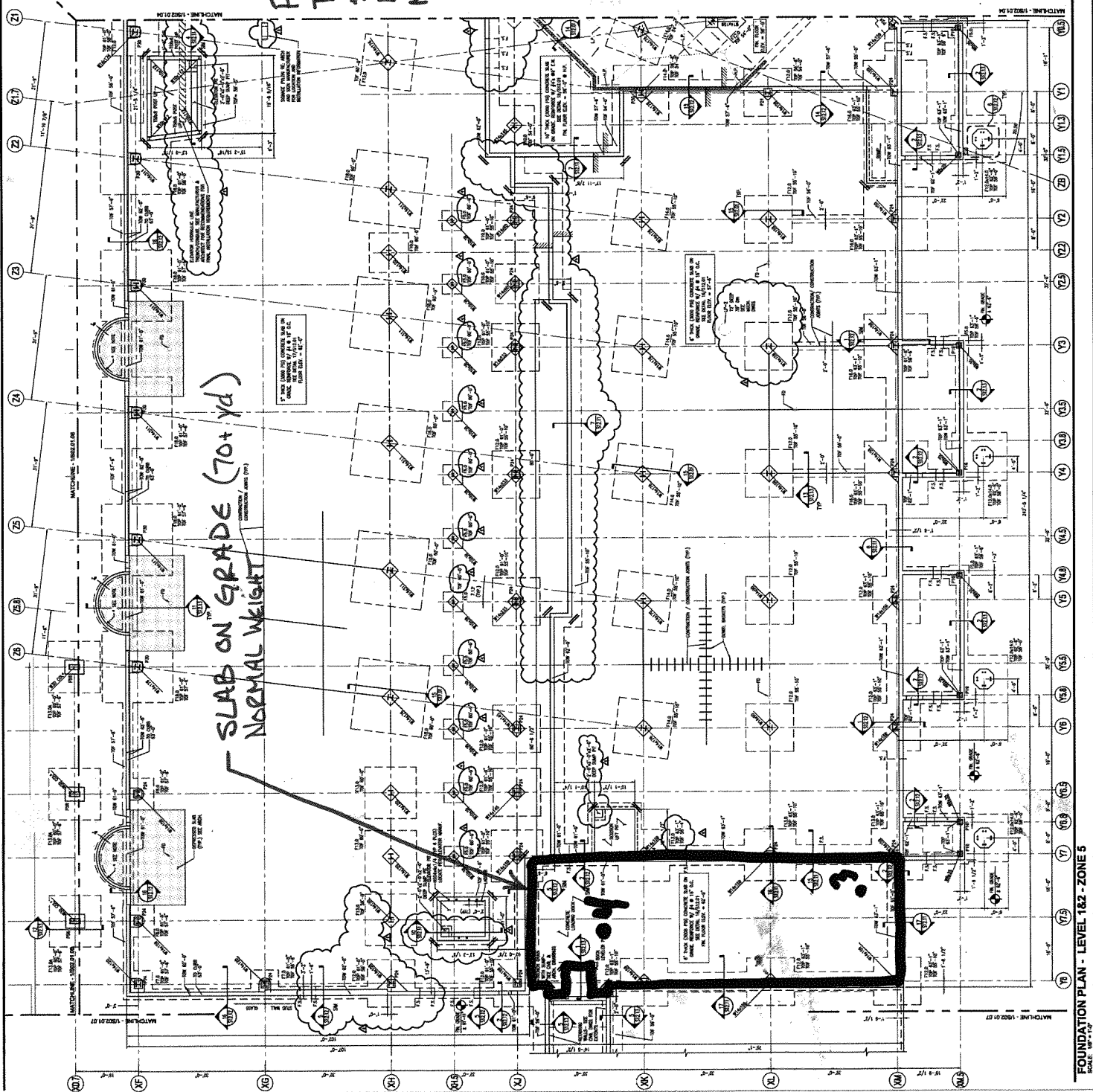
GENERAL NOTES

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- 20. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.

KEY PLAN



S02.01.05



FOUNDATION PLAN - LEVEL 1&2 - ZONE 5
SCALE: 1/4" = 1'-0"

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CONCRETE TEST/PLACEMENT REPORT

Project Name: Terminal Enhancement, Portland Int. Jetport
Project No: 557-14
Weather Conditions: --
Method of Placement: Pump
Admixtures: Mid Range Water Reducer
Placement Location: Slab 4-5
Test Cylinder Location: See attached sketch

Date Cylinders Cast: 20-Oct-10
Concrete Supplier: Auburn
General Contractor: Turner
Design Strength: 3,500
Max Agg. Size: 3/8

Date Report Issued: **OCT 28 2010**

4x8 Cylinders	5	Cast by	Michael J. Kramlich	Time
Load No.	6	Slump (in) ASTM C 143	7	Batched @ 8:57
Ticket No.	179820	Air (°F)	46	Arrived @ 9:20
Truck No.	96	Concrete (°F) ASTM C 1064	58	Total Time --
Cubic Yds.	10	Air Content (%) ASTM C 231	2.5	

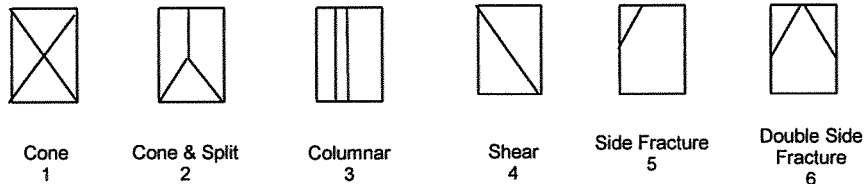
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 21-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67526	25-Oct-10	4.009	12.62	5	39,060	3100	5
67527	27-Oct-10	4.014	12.65	7	43,720	3460	2
67528	17-Nov-10			28			
67529	17-Nov-10			28			
67530	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	179823	97	10	--	--	--	--	--
8	179825	116	10	8.00	--	--	--	--
9	179826	97	8	--	--	--	--	--

Remarks: 9 Total Loads
 Unit weight 122.80 pcf

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	20-Oct-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	Max Agg. Size:	3/4
Placement Location:	Loading dock Slab on grade and 4th level parapet wall		
Test Cylinder Location:	See attached sketch		

Date Report Issued: OCT 29 2010

4x8 Cylinders	4	Cast by	Michael J. Kramlich	
Load No.	1	Slump (in) ASTM C 143	3	Time Batched @ 11:42 Arrived @ 12:05 Total Time --
Ticket No.	180044	Air (°F)	48	
Truck No.	97	Concrete (°F) ASTM C 1064	58	
Cubic Yds.	10	Air Content (%) ASTM C 231	2.8	

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 21-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67531	27-Oct-10	4.014	12.65	7	45,740	3620	2
67532	17-Nov-10			28			
67533	17-Nov-10			28			
67534	HOLD			HOLD			

*Concrete compressive strength by ASTM C 39

Types of Breaks



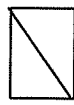
Cone
1



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	180045	86	10	--	--	--	--	--
3	180046	116	10	--	--	--	--	--
4	180047	99	10	--	--	--	--	--
5	180048	97	10	--	--	--	--	--

Remarks: 10 Total Loads
 Unit weight 122.80 pcf

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

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CONCRETE TEST/PLACEMENT REPORT

Project Name:	Terminal Enhancement, Portland Int. Jetport	Date Cylinders Cast:	20-Oct-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	Max Agg. Size:	3/4
Placement Location:	Loading dock Slab on grade and 4th level parapet wall		
Test Cylinder Location:	See attached sketch		

Date Report Issued: **OCT 29 2010**

4x8 Cylinders	4	Cast by	Michael J. Kramlich	Time	
Load No.	6	Slump (in) ASTM C 143	6	Batched @	1:37
Ticket No.	180049	Air (°F)	48	Arrived @	--
Truck No.	116	Concrete (°F) ASTM C 1064	57	Total Time	--
Cubic Yds.	10	Air Content (%) ASTM C 231	2.5		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field cure days: 1
 Date received 21-Oct-10
 Condition of Cylinders: Good

Lab No.	Test Date	Avg Dia (in)	Area (in ²)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break type
67535	27-Oct-10	4.014	12.65	7	45,560	3600	3
67536	17-Nov-10			28			
67537	17-Nov-10			28			
67538	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	180050	97	10	--	--	--	--	--
8	--	--	10	--	--	--	--	--
9	--	--	10	--	--	--	--	--
10	180054	76	5	--	--	--	--	--

Remarks: 10 Total Loads

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