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

Date:	Project No.:
20 January 2011	557-14
Attention: Mr. Cuyler Feagles (cmf@portlandmaine.gov)	
Re: Concrete Testing Terminal Enhancement, Portland Int. Jetport Portland, Maine	

City of Portland, Portand Int. Jetport

1001 Westbrook Street

Portland, Maine 04102

We are sending you attached concrete cylinder test results.

Cylinder No. (s)	Age (Days)
68052	7
68056	7
68060	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
ldobson@portlandmaine.gov
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.

R.W. GILLESPIE & ASSOCIATES

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 at the Portland Jetport	**Date Cylinders Cast:**	13-Jan-11
Project No:	0557-014	**Concrete Supplier:**	Auburn Concrete
Weather Conditions:	Sunny	**General Contractor:**	Turner
Method of Placement:	Pump	**Design Strength:**	3500 PSI
Admixtures:	1% Pozzutec 20+, Mid Range Water Reducer	**Max. Aggregate Size:**	3/8 In.

Placement Location: Slab on Deck - Level 4 Tower Crane Area and Garage Connector

Test Cylinder Location: Level 4 Tower Crane Area

JAN 2 0 2011

Date Report Issued:

4x8 Cylinders	4	Cast By		Michael J Kramlich	Time	
Load No.	1	Slump (in)	ASTM C 143	3.5	Batched @	7:15 AM
Ticket No.	166750	Air (°F)		37	Arrived @	7:48 AM
Truck No.	99	Concrete (°F)		55	Total Time	65 ±
Cubic Yds.	10	Air Content (%)	ASTM C 231	4.0		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field Cure Days: 1

Date Received: 14-Jan-11

Condition of Cylinders: Good

Lab No.	Test Date	Ave Dia (in)	Ave Area (in^2)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68052	20-Jan-11	4.012	12.64	7	39260	3110	2
68053	10-Feb-11			28			
68054	10-Feb-11			28			
68055	HOLD			H			

*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	166751	85	10	--	--	--	--	55±
3	166757	99	2	--	--	--	--	35±
4	166759	107	10	--	--	--	--	90±
5	166761	97	10	--	--	--	--	40±
6	166762	99	10	--	--	--	--	40±

Remarks: Curing Temps: High 64°, Low 49°
Lightweight Concrete
Unit Weight = 122.0 pcf
Total loads = 14

Checked by: _____
For Mathew T. Grady, Manager of MTS

R.W. GILLESPIE & ASSOCIATES

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 at the Portland Jetport	**Date Cylinders Cast:**	13-Jan-11
Project No:	0557-014	**Concrete Supplier:**	Auburn Concrete
Weather Conditions:	Sunny	**General Contractor:**	Turner
Method of Placement:	Pump	**Design Strength:**	3500 PSI
Admixtures:	1% Pozzutec 20+, Mid Range Water Reducer	**Max. Aggregate Size:**	3/8 In.

Placement Location: Slab on Deck - Level 4 Tower Crane Area and Garage Connector

JAN 2 0 2011

Test Cylinder Location: Level 4 Garage Connector

Date Report Issued:

4x8 Cylinders	4	Cast By		Michael J Kramlich	Time	
Load No.	7	Slump (in)	ASTM C 143	6.75	Batched @	11:52 AM
Ticket No.	166763	Air (°F)		33	Arrived @	12:15 PM
Truck No.	98	Concrete (°F)		61	Total Time	45 ±
Cubic Yds.	10	Air Content (%)	ASTM C 231	4.00		

*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field Cure Days: 1

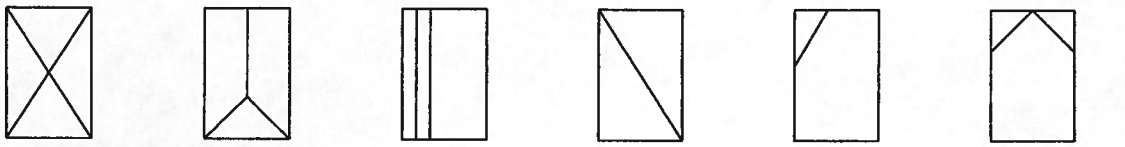
Date Received: 14-Jan-11

Condition of Cylinders: Good

Lab No.	Test Date	Ave Dia (in)	Ave Area (in^2)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68056	20-Jan-11	4.012	12.64	7	51560	4080	6
68057	10-Feb-11			28			
68058	10-Feb-11			28			
68059	HOLD			H			

*Concrete compressive strength by ASTM C 39

Types of Breaks

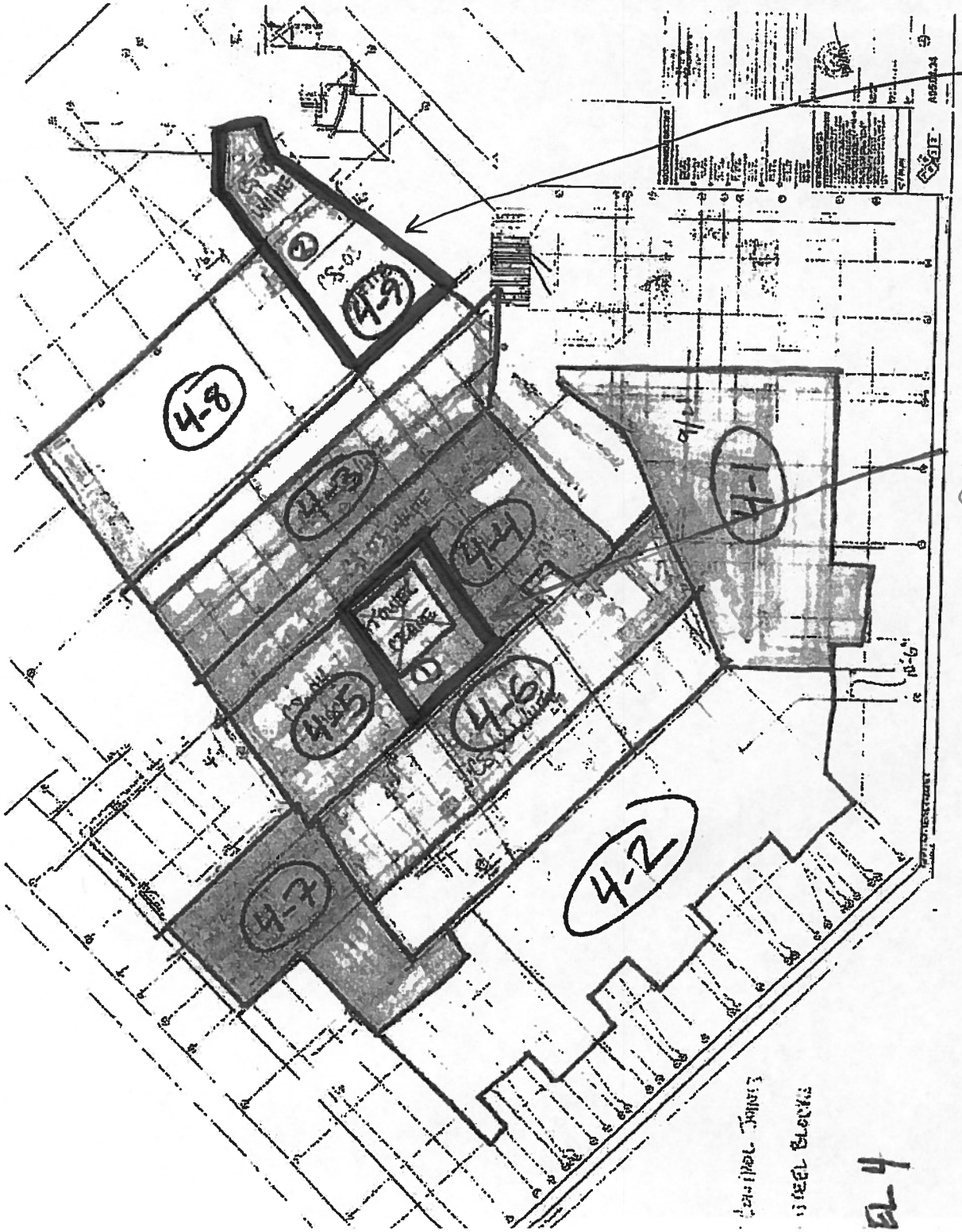


Cone 1 | Cone & Split 2 | Columnar 3 | Shear 4 | Side Fracture 5 | Double Side Fracture 6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min)
8	166765	106	10	--	--	--	--	40±
9	166768	97	10	--	--	--	--	±
10	116769	99	10	--	--	--	--	65±
11	Not Used	85	10	--	--	--	--	--

Remarks: Curing Temps: High 64°, Low 49°
Lightweight Concrete
Unit Weight = 122.6 pcf
Total loads = 14

Checked by: _____
Mathew T. Grady, Manager of MTS


LIGHTWEIGHT WHITE
CONCRETE (SLAB ON DECK)
CHOCOLATE LIGHTWEIGHT
CONCRETE (SLAB ON DECK)
4-1
4-2
4-3
4-4
4-5
4-6
4-7
4-8
4-9
PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14 1/13/11
MJK

R.W. GILLESPIE & ASSOCIATES

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 at the Portland Jetport	**Date Cylinders Cast:**	13-Jan-11
Project No:	0557-014	**Concrete Supplier:**	Auburn Concrete
Weather Conditions:	Sunny	**General Contractor:**	Turner
Method of Placement:	Pump	**Design Strength:**	3500 PSI
Admixtures:	2% Pozzutec 20+, Mid Range Water Reducer	**Max. Aggregate Size:**	3/8 In.
Placement Location:	Slab on Grade - Level 2 Tower Crane Area		
Test Cylinder Location:	Slab on Grade - Level 2 Tower Crane Area		

JAN 2 0 2011

Date Report Issued:

4x8 Cylinders	4	Cast By		Michael J Kramlich	Time		
Load No.	13	Slump (in)	ASTM C 143	3.75		Batched @	3:04 PM
Ticket No.	166773	Air (°F)		48		Arrived @	PM
Truck No.	99	Concrete (°F)		60		Total Time	±
Cubic Yds.	10	Air Content (%)	ASTM C 231	3.80			

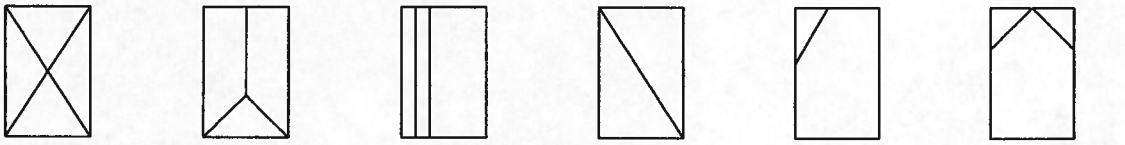
*Concrete sampled by ASTM C 172

Specimen Storage ASTM C 31: Field Cure Days: 1
Date Received: 14-Jan-11
Condition of Cylinders: Good

Lab No.	Test Date	Ave Dia (in)	Ave Area (in^2)	Age (Days)	Load (lbs)	Compressive Strength (psi)	Break Type
68060	20-Jan-11	4.012	12.64	7	53980	4270	2
68061	10-Feb-11			28			
68062	10-Feb-11			28			
68063	HOLD			H			

*Concrete compressive strength by ASTM C 39

Types of Breaks

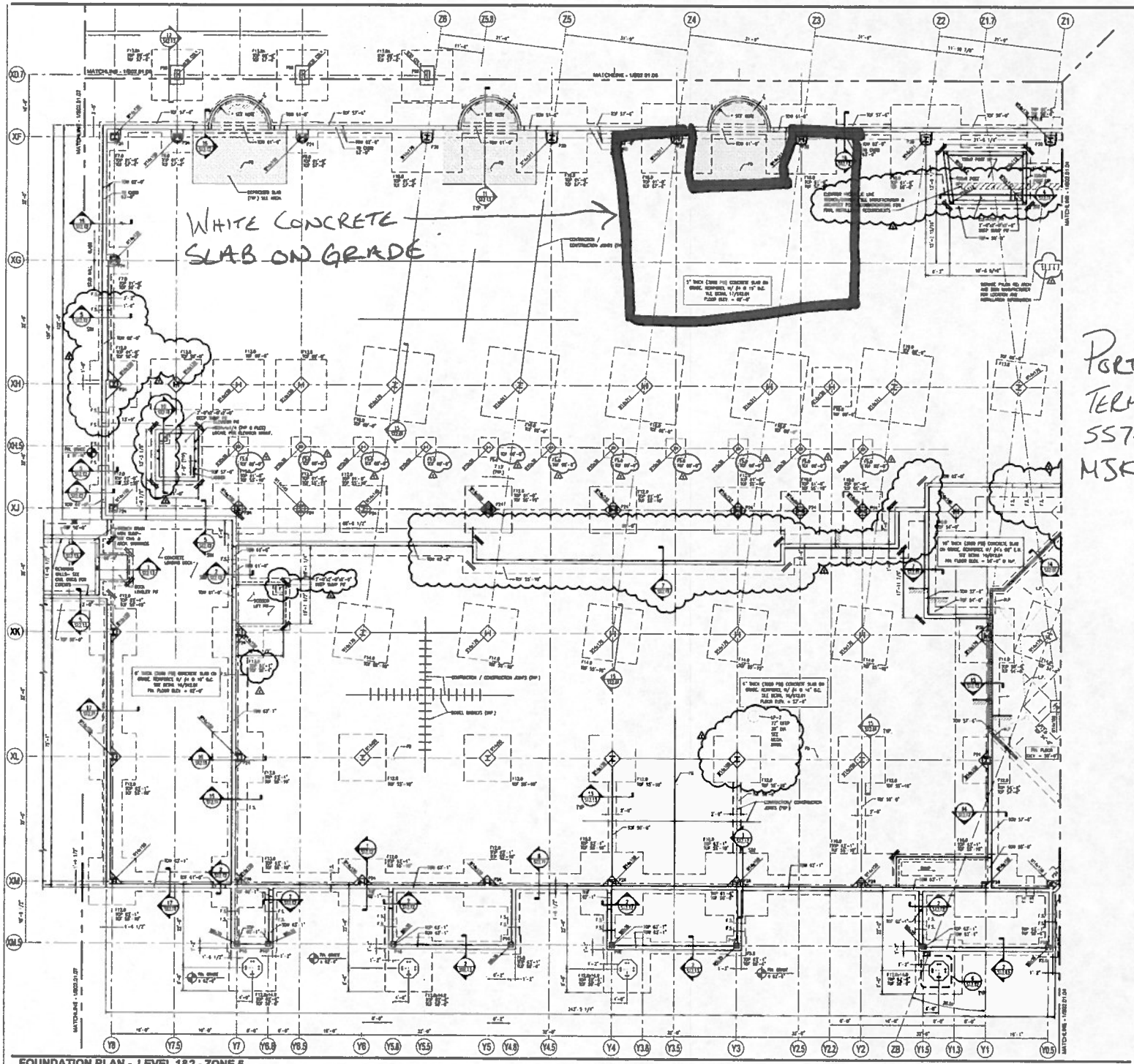


Cone 1 | Cone & Split 2 | Columnar 3 | Shear 4 | Side Fracture 5 | Double Side Fracture 6

Load	Ticket Number	Truck Number	Cubic Yds	Slump (inches)	Air Temp (°F)	Conc Temp (°F)	(%) Air Content	Time (min)
12	166772	97	10	--	--	--	--	50±
14	166774	98	10	--	--	--	--	--

Remarks: Curing Temps: No temperature readings, but the curing box was left in a heated area.
Total loads = 14

Checked by: Dan C Maenning
FOR Mathew T. Grady, Manager of MTS



FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

SCALE: 1/8" = 1'-0"

1

PORTLAND INT'L JETPORT
TERMINAL EXPANSION
557-14
MSK
1/13/11

SHEET NOTES

GENERAL NOTES

KEY PLAN

Portland International Jetport
1001 Westbrook Street
Portland, Maine 04102

Gensler

oest ASSOCIATES, INC.
engineers · architects · surveyors · construction managers

00	07/11/08	SCHEMATIC DESIGN	JDC
02	09/22/08	DESIGN DEVELOPMENT	JDC
03	12/03/08	75% CONSTRUCTION DOCUMENTS	JDC
04	01/23/09	95% CONSTRUCTION DOCUMENTS (COLD) FOR PERMIT	JDC
05	10/29/09		JDC
06	11/12/09	ADDENDUM #2	JDC
07	01/11/10	BULLETIN #1	JDC

Project Name: PIDN Terminal Enhancement

Project Number: 08035.00

T:\1108035\SHEETS\S02.01.05.DWG

Description: FOUNDATION PLAN - LEVEL 1&2 - ZONE 5

Scale: 1/8" = 1'-0"

S02.01.05

2/2