LETTER OF TRANSMITTAL



Terracon Consultants, Inc.
Pine Point Business Park, 15 Holly Street, Suite 105
Scarborough, ME 04074

Ph. (207) 396-5374 Fax (207) 396-5394 Internet Address: http://www.terracon.com

Project: Project Address:	_	trial Parkway	Attention: Matt Pelletier Sent to: BKA Architects 142 Crescent Street Brockton, MA 02302 X Lab work Report				
Copies 1	Date 04/15/10	Concrete Compress	ive Strength	Description Test			
<u>X</u>	ANSMITTED as che For approval For your use For review and com		Robert 7 rturner@ Phil Nur	enlaw, Structural Engineer lawpe@yahoo.com Turner, Turner Brothers, LLC turnerbrothers.com			
Signed:	CJR						

CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0029B

Service Date: 04/15/10 Report Date: 04/16/10

Scarborough, ME 04074

207-396-5374

Client

BKA Architects Attn: Matt Pelletier

142 Crescent Street Brockton, MA 02302 Project

W.B. Mason Expansion

106 Pine Tree Industrial Parkway

Portland, ME 04102

Project Number: J3091112

Material Information

Specified Strength: 4,000 psi @ 28 days

Mix ID: 3/8 4000

Supplier: **Dragon Products** Batch Time: 0740

Truck No.: 177

Plant: 3934669

Ticket No.:

Sample Information

Sample Date:

04/15/10 Ethan M. Marro

Sample Time: 0810

Sampled By: Weather Conditions:

Clear40's F

Accumulative Yards: Placement Method:

30 Pump Batch Size (cy): 10

Water Added Before (gal): Water Added After (gal):

Sample Location:

Slab between column lines E and F, 15

Placement Location:

Ramp between column lines E and E.6.

13 and 15. Slab between column lines E

and K, 15 and 18.

Field Test Data

Test Result Specification Slump (in): 6 Max 6 Air Content (%): 2.3 0 - 3Concrete Temp. (F): 58 Ambient Temp. (F): 36

abayatawy Took Date

Plastic Unit Wt. (pcf):

Labora	atory rest	Data		Specimen			Age at	Maximum	Compressive	
Set No.	Specimen ID	Diameter (in)	Area (sq in)	Date Received	Weight (lbs)	Date Tested	Test (days)	Load (lbs)	Strength (psi)	Fracture Type
10	A	4.00	12.57	04/16/10	8.36	04/22/10	7	54,690	4,350	3
10	В	4.00	12.57	04/16/10	8.38	05/13/10	28	65,760	5,230	2
10	C	4.00	12.57	04/16/10	8.36	05/13/10	28	66,380	5,280	2
							Average (28 days)		5,260	
10	D			04/16/10	8.38		Hold			

Comments: Compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

Reported To: Contractor:

Report Distribution: (1) BKA Architects

Reviewed By:

Test Methods:

CR0001 5-21-09 Rev 3

ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

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CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0029B

Service Date:

04/15/10

Report Date: 04/16/10

Scarborough, ME 04074

207-396-5374

Client

BKA Architects

Attn: Matt Pelletier 142 Crescent Street

Brockton, MA 02302

Project

W.B. Mason Expansion

106 Pine Tree Industrial Parkway

Portland, ME 04102

Project Number: J3091112

Material Information

Specified Strength: 4,000 psi @ 28 days

Mix ID:

Truck No.:

3/8 4000

Supplier: Batch Time: 0929

173

Dragon Products Plant:

3934675

Ticket No.:

Field Test Data

Test Result Specification Slump (in): 5 1/2 Max 6 Air Content (%): 2.0 0 - 3

59 Concrete Temp. (F): Ambient Temp. (F): 45

Plastic Unit Wt. (pcf):

Sample Information

Sample Date:

04/15/10

Sample Time:

1000

Sampled By:

Ethan M. Marro clear 40's F

Accumulative Yards:

Weather Conditions:

90

Batch Size (cy): 10

Placement Method: Pump

Water Added Before (gal): Water Added After (gal):

Sample Location:

Between column lines E and F, 17 and

Placement Location:

Ramp between column lines E and E.6, 13 and 15. Slab between column lines E

and K, 15 and 18.

atory rest	Data		Specimen			Age at	Maximum	Compressive	
Specimen ID	Diameter (in)	Area (sq in)	Date Received	Weight (lbs)	Date Tested	Test (days)	Load (lbs)	Strength (psi)	Fracture Type
A	4.00	12.57	04/16/10	8.36	04/22/10	7	52,950	4,210	3
В	4.00	12.57	04/16/10	8.34	05/13/10	28	63,340	5,040	2
C	4.00	12.57	04/16/10	8.38	05/13/10	28	65,540	5,220	2
D			04/16/10	8.39		Average (28 days) Hold		5,130	
	Specimen ID A B	ID (in) A 4.00 B 4.00	Specimen Diameter (in) Area (sq in) A 4.00 12.57 B 4.00 12.57	Specimen Diameter (in) Area (sq in) Date Received A 4.00 12.57 04/16/10 B 4.00 12.57 04/16/10 C 4.00 12.57 04/16/10	Specimen Diameter (in) Area (sq in) Date Received (lbs) Weight (lbs) A 4.00 12.57 04/16/10 8.36 B 4.00 12.57 04/16/10 8.34 C 4.00 12.57 04/16/10 8.38	Specimen Diameter (in) Area (sq in) Date Received (lbs) Weight (lbs) Date Tested A 4.00 12.57 04/16/10 8.36 04/22/10 B 4.00 12.57 04/16/10 8.34 05/13/10 C 4.00 12.57 04/16/10 8.38 05/13/10	Specimen Diameter (in) Area (sq in) Date Received (lbs) Weight (days) Date Test (days) A 4.00 12.57 04/16/10 8.36 04/22/10 7 B 4.00 12.57 04/16/10 8.34 05/13/10 28 C 4.00 12.57 04/16/10 8.38 05/13/10 28 Average Average	Specimen Diameter (in) Area (sq in) Date Received Weight (lbs) Date Tested (days) Load (days) A 4.00 12.57 04/16/10 8.36 04/22/10 7 52,950 B 4.00 12.57 04/16/10 8.34 05/13/10 28 63,340 C 4.00 12.57 04/16/10 8.38 05/13/10 28 65,540 Average (28 days)	Specimen ID Diameter (in) Area (sq in) Date Received (lbs) Weight (lbs) Date Test (days) Load (lbs) Strength (psi) A 4.00 12.57 04/16/10 8.36 04/22/10 7 52,950 4,210 B 4.00 12.57 04/16/10 8.34 05/13/10 28 63,340 5,040 C 4.00 12.57 04/16/10 8.38 05/13/10 28 65,540 5,220 Average (28 days) 5,130

Comments: Compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

Reported To: Contractor:

Report Distribution:

(1) BKA Architects

Reviewed By:

Test Methods: ASTM C39, ASTM C143, ASTM C172, ASTM C231, ASTM C1064, ASTM C31

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CONCRETE COMPRESSIVE STRENGTH TEST REPORT

Report Number: J3091112.0029B

Service Date:

04/15/10

Report Date:

04/16/10

Scarborough, ME 04074

207-396-5374

04/15/10

Clear 40's F

Ethan M. Marro

Client

BKA Architects

Attn: Matt Pelletier

142 Crescent Street

Brockton, MA 02302

Project

W.B. Mason Expansion

106 Pine Tree Industrial Parkway

Portland, ME 04102

Project Number: J3091112

Sample Information

Weather Conditions:

Sample Date:

Sampled By:

Material Information

Specified Strength: 4,000 psi @

28 days

Mix ID:

3/8 4000

Supplier: Batch Time: 1105

Dragon Products

Truck No.:

177

Ticket No.:

Plant.

3934680

Accumulative Yards: 130 Placement Method: Pump

Water Added Before (gal): Water Added After (gal):

Sample Location:

Between column lines J and K, 17 and

Sample Time:

Batch Size (cy):

1130

Placement Location:

Ramp between column lines E and E.6,

13 and 15. Slab between column lines E

and K, 15 and 18.

Field Test Data

Test Result Specification Slump (in): 5 1/2 Max 6 2.2 0 - 3Air Content (%): Concrete Temp. (F): 59

48

Ambient Temp. (F): Plastic Unit Wt. (pcf):

Laboratory Test Data

LUNCI	atory root	Dutu		Specimen			Age at	Maximum	Compressive	
Set	Specimen	Diameter	Area	Date	Weight	Date	Test	Load	Strength	Fracture
No.	ID	(in)	(sq in)	Received	(lbs)	Tested	(days)	(lbs)	(psi)	Type
12	A	4.00	12.57	04/16/10	8.36	04/22/10	7	39,840	3,170	3
12	В	4.00	12.57	04/16/10	8.35	05/13/10	28	67,270	5,350	2
12	C	4.00	12.57	04/16/10	8.34	05/13/10	28	66,340	5,280	2
							Average (28 days)		5,320	
12	D			04/16/10	8.33		Hold			

Comments: Compressive strength of 28 day cylinders complies with the specified strength. Not tested for plastic unit weight.

Samples Made By: Terracon

Services:

Terracon Rep.: Ethan M. Marro

Reported To: Contractor:

Report Distribution:

(1) BKA Architects

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Test Methods:

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