

4 Concrete Testing Lab Director's Statement and Signature Required for all applications.

I hereby state that the above information is correct and complete to the best of my knowledge and that the above tests were performed in accordance with all Administrative Code Provisions and Departmental Rules, Regulations and Directives.

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both.

It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by imprisonment or fine or both.

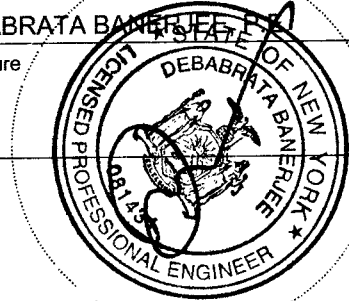
Name (please print)

DEBABRATA BANERJEE, P.E.

Signature

Date

07-31-20



P.E. / R.A. Seal (apply seal, then sign and date over seal)

5 Concrete Producer's Statement and Signature Required for all applications. Must be filled out by Owner of Production Facility.

I certify that the material type and source in section 3 above are available at my facility and that I will use such materials to produce the concrete mix(es) specified in section 3. I further certify that I will produce and deliver such mix(es) to the project site in accordance with the applicable code provisions of the NYC construction codes and that such mix(es) are appropriate for the placement conditions for the project identified in section 1 above (BC 1905.8.2).

Name (print)

C. A. Bodd

Title

Manager

Signature

Date

9/17/20

NRMCA Certification Expiration Date (BC 1095.8.2)

2-28-21

Business Name Best Concrete Mix Corp

Business Telephone (718) 463-5500

Business Address 35-10 College Point Blvd

Business Fax: (718) 762-0804

City College Point

State NY

Zip 11354

6 Design Applicant's Statement and Signature Required for all applications. Must be filled out by P.E./R.A. responsible for plans.

I certify I have reviewed the concrete design mix(es) reported by the licensed testing lab and found them to be in compliance with the approved construction documents (BC 1905.6).

Name (please print)

FRANK PETRUSO, P.E.

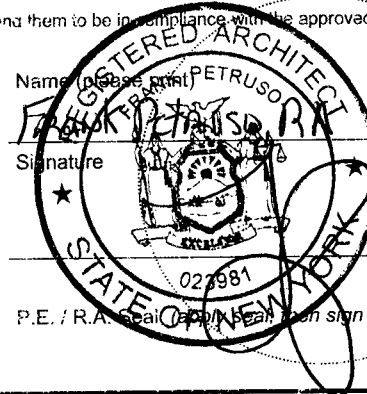
Signature

Date

10/11/21

027981

P.E. / R.A. Seal (apply seal, then sign and date over seal)

**7 Building Owner's Statement and Signature Required for all applications.**

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both. It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for special consideration. Violation is punishable by a fine or imprisonment, or both. I understand that if I am found after hearing to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of violation required under the provisions of this code or of a rule of any agency, I may be barred from filing further applications or documents with the Department.

Name (print)

NADIA RICOBONI

Title

Owner

Signature

Nadia Ricoboni

Date

9/8/20

IMPACT

Concrete & Control Inspections, INC.

15-46 129th Street, College Point, New York 11356

Tel: (718) 939-7774 Fax: (718) 939-6444

The City of New York Department of Buildings Concrete Testing laboratory #64

CONCRETE MIX DESIGN REPORT

CLIENT:	NADIA RICCOBONI	DATE:	12/17/19
		LAB NO.:	2019-12-17-19P
		MIX TYPE:	CEMENT P
Project:	Impact Concrete Reference Mix for Its Client	Expire on	12/17/2021
	14-41 162nd Street (Work for 7/31/2020 & Onwards Only)	SAMPLED BY:	Impact
Supplier:	Best Concrete Mix Corp.	DELIVERED BY:	Impact

4000 PSI + 1200 A.E. Concrete Pump @ 28 Days

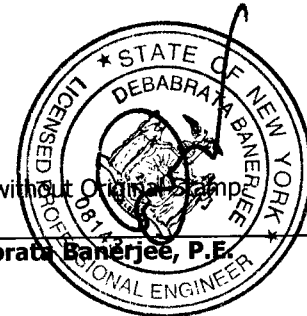
Product	Source & Type	ASTM	S.G.	NYS Source No.
Cement	Lafarge Holcim Cement Co. Type-II	ASTM C150	3.15	
Slag		ASTM C989	2.88	
Fly Ash	-	ASTM C618	2.20	
Silica Fume	-	ASTM C1240	2.20	
Fine Agg.	LI Natural (Coram)	ASTM C33	2.63	
Coarse Agg.	Tilcon NY - Clinton Point	ASTM C33	2.80	
Water	NYC Potable	ASTM C94	1.00	
Admixture 1	Euclid AE92S	ASTM C260	1.02	
Admixture 2	Euclid - Plastol 5000	ASTM C494	1.20	
Admixture 3		-	-	-

Recommended Mix Design # 2

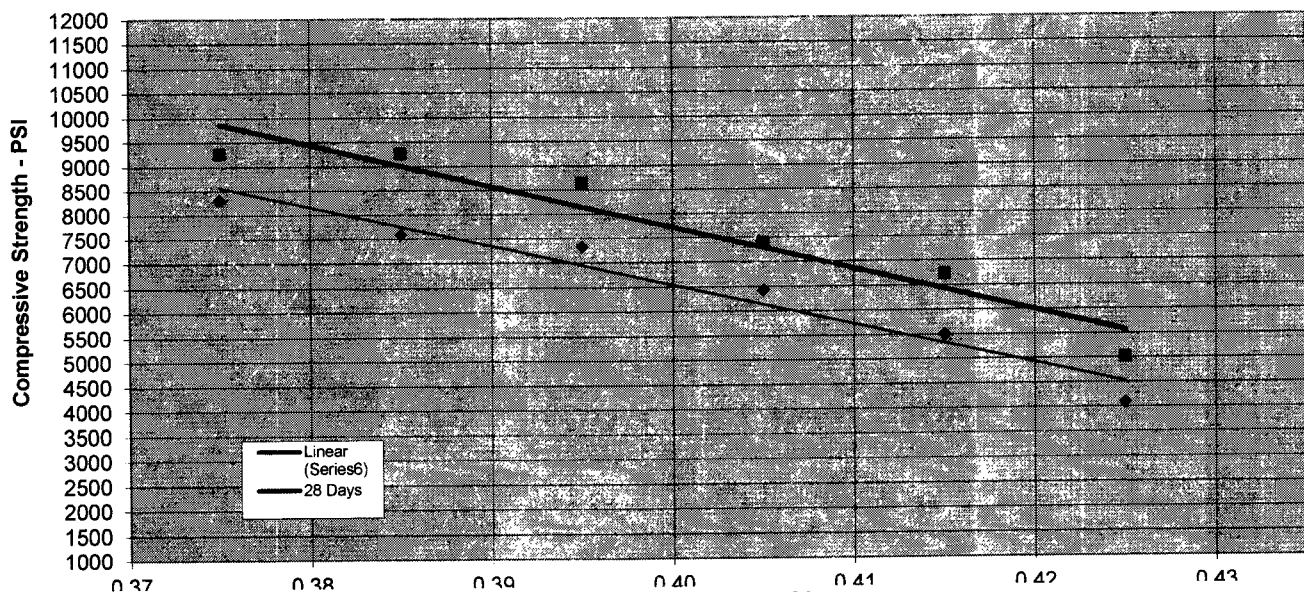
Cement (lbs.)	580
Slag (lbs.)	0
Fly Ash (lbs.)	
Microsilica (lbs.)	
Fine Agg. (lbs.)	1385
Coarse Agg. (lbs.)	1700
Water (gals.)	31.5
Admixture 1 (oz.)	1.3
Admixture 2 (oz.)	32.0
Admixture 3 (oz.)	
Slump (in.)	8" +/- 1"
Air Content (%)	6 % +/-1.5%
U. Wt. P.C.F.	145.2
W/C Ratio	0.41

Not Valid without Original Stamp

Debabrata Banerjee, P.E.



Compressive Strength vs. Water Cement Ratio



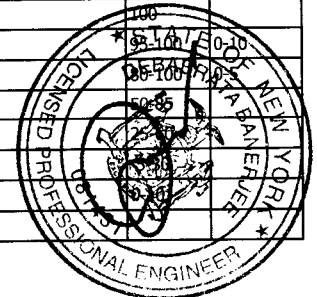
W/C Ratio

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CONCRETE MIX DESIGN REPORT

CLIENT:	NADIA RICCOBONI 0	DATE:	12/17/19
		LAB NO.:	2019-12-17-19P
		MIX TYPE:	CEMENT P
PROJECT:	Impact Concrete Reference Mix for Its Client 14-41 162nd Street (Work for 7/31/2020 & Onwards Only)	METHOD:	12/17/2021
SUPPLIER:	Best Concrete Mix Corp.	SAMPLED BY:	Impact
		DELIVERED BY:	Impact
4000 PSI + 1200 A.E. Concrete Pump @ 28 Days			

**Aggregate Gradation
Passing Percent Finer**

Sieve Size	Fine Aggregates	#57 Stone		
2"	-	-		
1 1/2"		100	C-33	C-33/Stone
1"		100	Sand	95-100
3/4"				
1/2"		26.2		25-60
3/8"	100.0			
# 4	98.7	2.0		
# 8	95.2	1.5		
# 16	87.3			
# 30	52.8			
# 50	15.2			
# 100	2.2			
FM	2.90			
Unit Weight Dry Rodded				
Specific Gravity	2.63	2.80		
Colometric Test	Plate # 1	-		

**TRIAL MIXES - DRY BATCH WEIGHTS (lbs./Cubic Yards)**

Point	Yield	Cement	Slag	FlyAsh	Silica	F.A.	C.A.*	Water	Adx 1	Adx 2	Adx 3	Unit Wt.	Slump(In)	W/C	Air %
1	26.9	540	0	0	0	1410	1700	31.5	1.1	29.0	0.0	149.2	8.50	0.42	4.5
2	26.9	580	0	0	0	1385	1700	31.5	1.3	32.0	0.0	145.2	8.50	0.41	6.9
3	26.9	600	0	0	0	1390	1700	30.0	1.3	36.6	0.0	144.4	8.50	0.40	7.3
4	27.0	660	0	0	0	1340	1700	31.0	1.1	40.0	0.0	149.2	9.00	0.39	5.2
5	26.9	705	0	0	0	1250	1700	32.9	1.1	46.0	0.0	148.0	8.00	0.38	4.7
6	27.1	752	0	0	0	1300	1700	30.0	1.1	46.6	0.0	150.0	8.75	0.37	4.5

COMPRESSIVE STRENGTH RESULTS (ASTM C39) - P.S.I. (4" x 8" Cylinders)

Point	w/c ratio	7 Days Results	Average	28 Days Results	Average
1	0.42	4242	3945	4094	4981
2	0.41	5455	5552	5504	5126
3	0.40	6367	6490	6429	4960
4	0.39	7320	7342	7331	5022
5	0.38	7539	7650	7595	6436
6	0.37	8338	8294	8316	6908
					6852
					7294
					7488
					7404
					7395
					8642
					9278
					9205
					9311
					9265
					9265
Point	w/c ratio	56 Days Results	Average		
1	0.42	2611	2618	2615	#DIV/0!
2	0.41	3506	3902	3704	#DIV/0!
3	0.40	4630	4481	4556	#DIV/0!
4	0.39	5597	5691	5644	#DIV/0!
5	0.38	6061	6022	6042	#DIV/0!
6	0.37	6455	6566	6511	#DIV/0!