

RESOLUTION
of the
BOROUGH OF NEW PROVIDENCE
Resolution No. 2019-140

Council Meeting Date: 05-20-2019

Date Adopted: 05-20-2019

TITLE: RESOLUTION ACCEPTING BIDS AND AWARDING CONTRACT TO A BERMS, LLC, FOR THE PHASE II-A DOWNTOWN IMPROVEMENT PROJECT IN THE AMOUNT OF \$288,832.00.00

Councilperson Muñoz submitted the following resolution, which was duly seconded by Councilperson Geoffroy.

WHEREAS, sealed bids were received on Tuesday, February 26, 2019 for the Phase II-A Downtown Improvement Project; and

WHEREAS, five (5) bids were received, a list of the names of the bidders attached hereto, and are hereby accepted by the Governing Body of the Borough of New Providence; and; and

WHEREAS, the Consulting Engineer, Suburban Consulting Engineers, Inc., has reviewed the bid from A. A. Berms, LLC and recommends the base be accepted and the contract awarded to same, subject to a review of bid documents by the Borough Attorney; and

WHEREAS, Funding for the project is available in the following accounts:

G-02-40-747-010-370022	\$217,070.44
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C-04-55-973-290-301500	\$ 71,761.56
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NOW THEREFORE BE IT RESOLVED by the Mayor and Borough Council of the Borough of New Providence, County of Union and State of New Jersey, that the Phase II-A Downtown Improvement Project be awarded to A.A. Berms, LLC, 106 Mill Street, Belleville, N.J. 07109, in the amount of \$288,832.00, and they do further authorize and direct the Mayor and Borough Clerk to execute same on behalf of the Borough of New Providence.

APPROVED, this 20th day of May, 2019.

RECORD OF VOTE

	AYE	NAY	ABSENT	NOT VOTING
CUMISKEY	X			
DESARNO	X			
GENNARO	X			
GEOFFROY	X			
MUÑOZ	X			
ROBINSON	X			
MORGAN			TO BREAK COUNCIL TIE VOTE	

I hereby certify that the above resolution was adopted at a meeting of the Borough Council held on the 20th day of May, 2019.

Wendi B. Barry, Borough Clerk



April 22, 2019

Via Electronic Mail (DMARVIN@newprov.org) and Regular Mail

Borough of New Providence
360 Elkwood Avenue
New Providence, New Jersey 07974

Attn.: Doug R. Marvin – Borough Administrator

Re.: Borough of New Providence, County of Union, State of New Jersey
Phase II-A Downtown Improvement Project - STP-7602(105)
Bid Review and Recommendation
Our File No.: SCE-R02457.021

Dear Mr. Marvin:

On Tuesday, February 26, 2019, the bids for the above-referenced project were opened at the Borough of New Providence. Five (5) bids were submitted at the time of the bid opening, which **SUBURBAN CONSULTING ENGINEERS INC.** (SCE) tabulated on the attached Summary of Bids table. The engineer's estimate for this project was \$264,478.50. The base bid totals ranged from \$288,832.00 to \$488,565.00.

Our review of the five (5) bids indicated that **AA Berm, LLC** is the apparent low responsive bidder. After our review, their bid appears to be complete. Based on the above, SCE recommends awarding the contract to AA Berm, LLC in the amount of \$288,832.00 subject to the Borough Attorney's review of the bid submission packages.

Should there be any questions regarding this recommendation, please contact our office. Thank you.

Very truly yours,
SUBURBAN CONSULTING ENGINEERS, INC.

Andrew S. Holt, PE, PP, CME
Principal Engineer

KMB

Enclosures: Bid Summary Table
Bid Analysis

Cc: Wendi Barry (WBARRY@newprov.org)
Frank McCombs (Frank.McCombs@dot.nj.gov)
Eileen Schack (Eileen.Schack@dot.nj.gov)

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BID TABULATION SUMMARY

BOROUGH OF NEW PROVIDENCE

ENGINEER'S BID TABULATION SUMMARY

PROJECT: PHASE II-A DOWNTOWN IMPROVEMENT PROJECT - STP-7602(105)SPRINGFIELD AVENUE

LOCATION: BOROUGH OF NEW PROVIDENCE, COUNTY OF UNION, STATE OF NEW JERSEY

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT	Engineer's Cost Estimate		AA Berms LLC		J.C. Contracting, Inc.		Zuccaro Inc.		Berto Construction		S. Batata Construction	
				UNIT PRICE	TOTAL COST	P.O. Box 180, Belleville New Jersey 07109		P.O. Box 14498 Des Moines, IA 50306		64 Commerce Street Garfield, New Jersey 07026		625 Leesville Avenue Rahway, New Jersey 07065		238 Ernston Road, Suite 1R Parlin, New Jersey 08859	
						UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
1	PERFORMANCE BOND AND PAYMENT BOND	1	DOLL	\$ 5,000.00	\$ 5,000.00	\$ 5,500.00	\$ 5,500.00	\$ 5,400.00	\$ 5,400.00	\$ 12,000.00	\$ 12,000.00	\$ 4,903.00	\$ 4,903.00	\$ 5,000.00	\$ 5,000.00
2	OWNER'S AND CONTRACTOR'S PROTECTIVE LIABILITY INSURANCE	1	DOLL	\$ 1,500.00	\$ 1,500.00	\$ 2,500.00	\$ 2,500.00	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	\$ 20,500.00	\$ 20,500.00	\$ 5,000.00	\$ 5,000.00
3	PROGRESS SCHEDULE	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 3,000.00	\$ 3,000.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00
4	PROGRESS SCHEDULE UPDATE	1	U	\$ 1,200.00	\$ 1,200.00	\$ 1,000.00	\$ 1,000.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00	\$ 250.00	\$ 250.00	\$ 5,000.00	\$ 5,000.00
5	MOBILIZATION	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 19,000.00	\$ 19,000.00	\$ 15,000.00	\$ 15,000.00	\$ 25,000.00	\$ 25,000.00	\$ 9,500.00	\$ 9,500.00	\$ 25,000.00	\$ 25,000.00
6	CONSTRUCTION LAYOUT	1	DOLL	\$ 2,300.00	\$ 2,300.00	\$ 1.00	\$ 1.00	\$ 1,500.00	\$ 1,500.00	\$ 17,500.00	\$ 17,500.00	\$ 9,600.00	\$ 9,600.00	\$ 5,000.00	\$ 5,000.00
7	INLET FILTER TYPE 2, 2' X 4'	4	U	\$ 15.00	\$ 60.00	\$ 1.00	\$ 4.00	\$ 50.00	\$ 200.00	\$ 250.00	\$ 1,000.00	\$ 80.00	\$ 320.00	\$ 1,000.00	\$ 4,000.00
8	BREAKAWAY BARRICADE	25	U	\$ 50.00	\$ 1,250.00	\$ 1.00	\$ 25.00	\$ 1.00	\$ 25.00	\$ 50.00	\$ 1,250.00	\$ 2.00	\$ 50.00	\$ 1.00	\$ 25.00
9	DRUM	75	U	\$ 25.00	\$ 1,875.00	\$ 1.00	\$ 75.00	\$ 1.00	\$ 75.00	\$ 50.00	\$ 3,750.00	\$ 2.00	\$ 150.00	\$ 1.00	\$ 75.00
10	TRAFFIC CONE	75	U	\$ 3.00	\$ 225.00	\$ 1.00	\$ 75.00	\$ 1.00	\$ 75.00	\$ 15.00	\$ 1,125.00	\$ 2.00	\$ 150.00	\$ 1.00	\$ 75.00
11	CONSTRUCTION SIGNS	500	SF	\$ 4.00	\$ 2,000.00	\$ 1.00	\$ 500.00	\$ 5.00	\$ 2,500.00	\$ 20.00	\$ 10,000.00	\$ 15.00	\$ 7,500.00	\$ 1.00	\$ 500.00
12	CONSTRUCTION IDENTIFICATION SIGN, 4' X 8'	4	U	\$ 500.00	\$ 2,000.00	\$ 1.00	\$ 4.00	\$ 500.00	\$ 2,000.00	\$ 400.00	\$ 1,600.00	\$ 1,500.00	\$ 6,000.00	\$ 1.00	\$ 4.00
13	PORTABLE VARIABLE MESSAGE SIGN	3	U	\$ 2,500.00	\$ 7,500.00	\$ 1.00	\$ 3.00	\$ 2,000.00	\$ 6,000.00	\$ 1,500.00	\$ 4,500.00	\$ 5,000.00	\$ 15,000.00	\$ 5,000.00	\$ 15,000.00
14	TEMPORARY TRAFFIC STRIPES, 4"	100	LF	\$ 1.50	\$ 150.00	\$ 2.00	\$ 200.00	\$ 2.20	\$ 220.00	\$ 1.00	\$ 100.00	\$ 1.00	\$ 100.00	\$ 1.00	\$ 100.00
15	TEMPORARY TRAFFIC STRIPES, 6"	300	LF	\$ 2.00	\$ 600.00	\$ 4.00	\$ 1,200.00	\$ 3.30	\$ 990.00	\$ 2.00	\$ 600.00	\$ 1.50	\$ 450.00	\$ 1.00	\$ 300.00
16	TEMPORARY PAVEMENT MARKINGS	50	SF	\$ 2.50	\$ 125.00	\$ 10.00	\$ 500.00	\$ 24.00	\$ 1,200.00	\$ 5.00	\$ 250.00	\$ 6.00	\$ 300.00	\$ 1.00	\$ 50.00
17	TRAFFIC DIRECTOR, FLAGGER	200	HOURL	\$ 66.08	\$ 13,216.00	\$ 1.00	\$ 200.00	\$ 70.00	\$ 14,000.00	\$ 75.00	\$ 15,000.00	\$ 90.00	\$ 18,000.00	\$ 1.00	\$ 200.00
18	PROTECTED PEDESTRIAN WALKWAY	100	LF	\$ 35.00	\$ 3,500.00	\$ 100.00	\$ 10,000.00	\$ 25.00	\$ 2,500.00	\$ 50.00	\$ 5,000.00	\$ 10.00	\$ 1,000.00	\$ 50.00	\$ 5,000.00
19	POLICE TRAFFIC DIRECTORS	160	MH	\$ 85.00	\$ 13,600.00	\$ 85.00	\$ 13,600.00	\$ 85.00	\$ 13,600.00	\$ 85.00	\$ 13,600.00	\$ 85.00	\$ 13,600.00	\$ 85.00	\$ 13,600.00
20	NO ITEM	0	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21	NO ITEM	0	-	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22	FINAL CLEANUP	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 9,000.00	\$ 9,000.00	\$ 10,000.00	\$ 10,000.00	\$ 15,000.00	\$ 15,000.00	\$ 6,500.00	\$ 6,500.00	\$ 25,000.00	\$ 25,000.00
23	CLEARING SITE	1	LS	\$ 18,000.00	\$ 18,000.00	\$ 8,000.00	\$ 8,000.00	\$ 20,000.00	\$ 20,000.00	\$ 23,000.00	\$ 23,000.00	\$ 51,732.00	\$ 51,732.00	\$ 25,000.00	\$ 25,000.00
24	EXCAVATION, TEST PIT	10	CY	\$ 75.00	\$ 750.00	\$ 100.00	\$ 1,000.00	\$ 20.00	\$ 200.00	\$ 50.00	\$ 500.00	\$ 1.00	\$ 10.00	\$ 100.00	\$ 1,000.00
25	EXCAVATION, UNCLASSIFIED	16	CY	\$ 40.00	\$ 640.00	\$ 100.00	\$ 1,600.00	\$ 20.00	\$ 320.00	\$ 50.00	\$ 800.00	\$ 1.00	\$ 16.00	\$ 1.00	\$ 16.00
26	REMOVAL OF PAVEMENT	106	SY	\$ 10.00	\$ 1,060.00	\$ 10.00	\$ 1,060.00	\$ 10.00	\$ 1,060.00	\$ 45.00	\$ 4,770.00	\$ 45.00	\$ 4,770.00	\$ 10.00	\$ 1,060.00
27	DENSE-GRADED AGGREGATE BASE COURSE, 4" THICK	440	SY	\$ 6.00	\$ 2,640.00	\$ 15.00	\$ 6,600.00	\$ 12.00	\$ 5,280.00	\$ 32.00	\$ 14,080.00	\$ 4.00	\$ 1,760.00	\$ 10.00	\$ 4,400.00
28	DENSE-GRADED AGGREGATE BASE COURSE, 8" THICK	20	SY	\$ 9.00	\$ 180.00	\$ 30.00	\$ 600.00	\$ 15.00	\$ 300.00	\$ 45.00	\$ 900.00	\$ 108.00	\$ 2,160.00	\$ 20.00	\$ 400.00
29	HOT MIX ASPHALT 12.5 M 64 SURFACE COURSE (2" THICK)	12	T	\$ 95.00	\$ 1,140.00	\$ 150.00	\$ 1,800.00	\$ 80.00	\$ 960.00	\$ 120.00	\$ 1,440.00	\$ 250.00	\$ 3,000.00	\$ 150.00	\$ 1,800.00
30	HOT MIX ASPHALT 25 M 64 BASE COURSE (6" THICK)	40	T	\$ 95.00	\$ 3,800.00	\$ 150.00	\$ 6,000.00	\$ 80.00	\$ 3,200.00	\$ 140.00	\$ 5,600.00	\$ 225.00	\$ 9,000.00	\$ 150.00	\$ 6,000.00
31	CONCRETE FOOTING	6	CY	\$ 1,000.00	\$ 6,000.00	\$ 300.00	\$ 1,800.00	\$ 1,000.00	\$ 6,000.00	\$ 300.00	\$ 1,800.00	\$ 2,800.00	\$ 16,800.00	\$ 300.00	\$ 1,800.00
32	CONCRETE SIDEWALK, 4" THICK	180	SY	\$ 70.00	\$ 12,600.00	\$ 95.00	\$ 17,100.00	\$ 100.00	\$ 18,000.00	\$ 100.00	\$ 18,000.00	\$ 108.00	\$ 19,440.00	\$ 70.00	\$ 12,600.00
33	PRECAST CONCRETE PAVERS	100	SY	\$ 65.00	\$ 6,500.00	\$ 130.00	\$ 13,000.00	\$ 150.00	\$ 15,000.00	\$ 135.00	\$ 13,500.00	\$ 180.00	\$ 18,000.00	\$ 200.00	\$ 20,000.00

BID TABULATION SUMMARY

BOROUGH OF NEW PROVIDENCE

ENGINEER'S BID TABULATION SUMMARY

PROJECT: PHASE II-A DOWNTOWN IMPROVEMENT PROJECT - STP-7602(105)SPRINGFIELD AVENUE

LOCATION: BOROUGH OF NEW PROVIDENCE, COUNTY OF UNION, STATE OF NEW JERSEY

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT	Engineer's Cost Estimate		AA Berms LLC		J.C. Contracting, Inc.		Zuccaro Inc.		Berto Construction		S. Batata Construction	
				UNIT PRICE	TOTAL COST	P.O. Box 180, Belleville New Jersey 07109		P.O. Box 14498 Des Moines, IA 50306		64 Commerce Street Garfield, New Jersey 07026		625 Leesville Avenue Rahway, New Jersey 07065		238 Ernston Road, Suite 1R Parlin, New Jersey 08859	
						UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
34	RESET PRECAST CONCRETE PAVERS	10	SY	\$ 45.00	\$ 450.00	\$ 100.00	\$ 1,000.00	\$ 120.00	\$ 1,200.00	\$ 115.00	\$ 1,150.00	\$ 81.00	\$ 810.00	\$ 100.00	\$ 1,000.00
35	DETECTABLE WARNING SURFACE	7	SY	\$ 150.00	\$ 1,050.00	\$ 300.00	\$ 2,100.00	\$ 300.00	\$ 2,100.00	\$ 250.00	\$ 1,750.00	\$ 360.00	\$ 2,520.00	\$ 500.00	\$ 3,500.00
36	TREE GRATES	3	U	\$ 1,000.00	\$ 3,000.00	\$ 2,000.00	\$ 6,000.00	\$ 1,200.00	\$ 3,600.00	\$ 2,250.00	\$ 6,750.00	\$ 3,000.00	\$ 9,000.00	\$ 2,000.00	\$ 6,000.00
37	9" X 20" CONCRETE VERTICAL CURB	110	LF	\$ 28.00	\$ 3,080.00	\$ 50.00	\$ 5,500.00	\$ 70.00	\$ 7,700.00	\$ 40.00	\$ 4,400.00	\$ 60.00	\$ 6,600.00	\$ 40.00	\$ 4,400.00
38	GRANITE CURB	310	LF	\$ 28.00	\$ 8,680.00	\$ 32.00	\$ 9,920.00	\$ 75.00	\$ 23,250.00	\$ 42.00	\$ 13,020.00	\$ 60.00	\$ 18,600.00	\$ 40.00	\$ 12,400.00
39	TRAFFIC STRIPES, 4"	15	LF	\$ 1.00	\$ 15.00	\$ 10.00	\$ 150.00	\$ 3.30	\$ 49.50	\$ 1.00	\$ 15.00	\$ 1.00	\$ 15.00	\$ 2.00	\$ 30.00
40	TRAFFIC STRIPES, 6"	540	LF	\$ 2.00	\$ 1,080.00	\$ 4.00	\$ 2,160.00	\$ 4.00	\$ 2,160.00	\$ 2.00	\$ 1,080.00	\$ 1.50	\$ 810.00	\$ 3.00	\$ 1,620.00
41	TRAFFIC STRIPES, 12"	325	LF	\$ 3.50	\$ 1,137.50	\$ 6.00	\$ 1,950.00	\$ 4.50	\$ 1,462.50	\$ 3.00	\$ 975.00	\$ 3.00	\$ 975.00	\$ 5.00	\$ 1,625.00
42	TRAFFIC STRIPES, 24"	180	LF	\$ 5.00	\$ 900.00	\$ 12.00	\$ 2,160.00	\$ 5.50	\$ 990.00	\$ 4.00	\$ 720.00	\$ 6.00	\$ 1,080.00	\$ 10.00	\$ 1,800.00
43	REMOVAL OF TRAFFIC STRIPES	900	LF	\$ 3.00	\$ 2,700.00	\$ 2.00	\$ 1,800.00	\$ 2.50	\$ 2,250.00	\$ 3.00	\$ 2,700.00	\$ 0.75	\$ 675.00	\$ 1.00	\$ 900.00
44	REGULATORY AND WARNING SIGN	65	SF	\$ 50.00	\$ 3,250.00	\$ 55.00	\$ 3,575.00	\$ 44.00	\$ 2,860.00	\$ 65.00	\$ 4,225.00	\$ 25.00	\$ 1,625.00	\$ 50.00	\$ 3,250.00
45	2" RIGID METALLIC CONDUIT	30	LF	\$ 50.00	\$ 1,500.00	\$ 70.00	\$ 2,100.00	\$ 50.00	\$ 1,500.00	\$ 50.00	\$ 1,500.00	\$ 40.00	\$ 1,200.00	\$ 25.00	\$ 750.00
46	2" RIGID NONMETALLIC CONDUIT (SCH. 40)	300	LF	\$ 35.00	\$ 10,500.00	\$ 22.00	\$ 6,600.00	\$ 22.00	\$ 6,600.00	\$ 35.00	\$ 10,500.00	\$ 35.00	\$ 10,500.00	\$ 25.00	\$ 7,500.00
47	2" RIGID NONMETALLIC CONDUIT (SCH. 80)	85	LF	\$ 45.00	\$ 3,825.00	\$ 25.00	\$ 2,125.00	\$ 24.00	\$ 2,040.00	\$ 50.00	\$ 4,250.00	\$ 40.00	\$ 3,400.00	\$ 25.00	\$ 2,125.00
48	PRECAST POLYMER CONCRETE JUNCTION BOX	7	U	\$ 1,800.00	\$ 12,600.00	\$ 2,000.00	\$ 14,000.00	\$ 1,000.00	\$ 7,000.00	\$ 1,200.00	\$ 8,400.00	\$ 1,600.00	\$ 11,200.00	\$ 2,000.00	\$ 14,000.00
49	FOUNDATION, TYPE MCF	1	U	\$ 2,000.00	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00	\$ 1,700.00	\$ 1,700.00	\$ 2,500.00	\$ 2,500.00	\$ 800.00	\$ 800.00	\$ 10,000.00	\$ 10,000.00
50	METER CABINET, TYPE TL	1	U	\$ 3,500.00	\$ 3,500.00	\$ 3,275.00	\$ 3,275.00	\$ 3,300.00	\$ 3,300.00	\$ 5,500.00	\$ 5,500.00	\$ 3,200.00	\$ 3,200.00	\$ 12,500.00	\$ 12,500.00
51	GROUND WIRE, NO. 6 AWG	280	LF	\$ 10.00	\$ 2,800.00	\$ 3.00	\$ 840.00	\$ 2.00	\$ 560.00	\$ 5.00	\$ 1,400.00	\$ 3.25	\$ 910.00	\$ 4.00	\$ 1,120.00
52	MULTIPLE LIGHTING WIRE, NO. 6 AWG	815	LF	\$ 10.00	\$ 8,150.00	\$ 3.00	\$ 2,445.00	\$ 2.00	\$ 1,630.00	\$ 5.00	\$ 4,075.00	\$ 3.30	\$ 2,689.50	\$ 4.00	\$ 3,260.00
53	SERVICE WIRE, NO. 6 AWG	75	LF	\$ 10.00	\$ 750.00	\$ 3.00	\$ 225.00	\$ 2.00	\$ 150.00	\$ 3.00	\$ 225.00	\$ 7.50	\$ 562.50	\$ 4.00	\$ 300.00
54	FOUNDATION DECORATIVE LIGHT STANDARD	4	U	\$ 2,000.00	\$ 8,000.00	\$ 2,500.00	\$ 10,000.00	\$ 1,800.00	\$ 7,200.00	\$ 1,500.00	\$ 6,000.00	\$ 4,000.00	\$ 16,000.00	\$ 5,000.00	\$ 20,000.00
55	MID BLOCK PEDESTRIAN CROSSING SYSTEM (SPRINGFIELD AVENUE)	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 49,000.00	\$ 49,000.00	\$ 54,000.00	\$ 54,000.00	\$ 48,000.00	\$ 48,000.00	\$ 43,000.00	\$ 43,000.00	\$ 125,000.00	\$ 125,000.00
56	ADVANCED PEDESTRIAN WARNING ASSEMBLY UPGRADES	2	U	\$ 8,500.00	\$ 17,000.00	\$ 4,320.00	\$ 8,640.00	\$ 4,200.00	\$ 8,400.00	\$ 7,500.00	\$ 15,000.00	\$ 5,200.00	\$ 10,400.00	\$ 12,500.00	\$ 25,000.00
57	LIGHTING STANDARD DECORATIVE	4	U	\$ 2,000.00	\$ 8,000.00	\$ 2,650.00	\$ 10,600.00	\$ 2,600.00	\$ 10,400.00	\$ 5,400.00	\$ 21,600.00	\$ 3,545.00	\$ 14,180.00	\$ 5,000.00	\$ 20,000.00
58	LUMINAIRE DECORATIVE	4	U	\$ 2,000.00	\$ 8,000.00	\$ 2,650.00	\$ 10,600.00	\$ 2,600.00	\$ 10,400.00	\$ 2,800.00	\$ 11,200.00	\$ 1,295.00	\$ 5,180.00	\$ 5,000.00	\$ 20,000.00
59	TOPSOILING, 4" THICK	140	SY	\$ 2.50	\$ 350.00	\$ 6.00	\$ 840.00	\$ 6.00	\$ 840.00	\$ 10.00	\$ 1,400.00	\$ 10.00	\$ 1,400.00	\$ 5.00	\$ 700.00
60	FERTILIZING AND SEEDING, TYPE D	140	SY	\$ 2.50	\$ 350.00	\$ 1.00	\$ 140.00	\$ 0.50	\$ 70.00	\$ 1.00	\$ 140.00	\$ 2.00	\$ 280.00	\$ 1.00	\$ 140.00
61	STRAW MULCHING	140	SY	\$ 2.50	\$ 350.00	\$ 1.00	\$ 140.00	\$ 0.50	\$ 70.00	\$ 1.00	\$ 140.00	\$ 2.00	\$ 280.00	\$ 1.00	\$ 140.00
62	LARGE DECIDUOUS TREE, 2-2 1/2" CALIPER, B&B (GINKGO BILOBA)	3	U	\$ 850.00	\$ 2,550.00	\$ 1,500.00	\$ 4,500.00	\$ 400.00	\$ 1,200.00	\$ 800.00	\$ 2,400.00	\$ 1,000.00	\$ 3,000.00	\$ 500.00	\$ 1,500.00
BASE BID TOTAL:				\$	264,478.50	\$	288,832.00	\$	311,887.00	\$	401,180.00	\$	413,453.00	\$	488,565.00

NEW JERSEY DEPARTMENT OF TRANSPORTATION MEMORANDUM

TO: Frank McCombs, Project Management Specialist 1

FROM: Andrew S. Holt, PE
Principal Engineer

DATE: April 22, 2019

PHONE: 973-398-1776 ext. 202

SUBJECT: BID ANALYSIS
Phase II-A Downtown Improvement Project Springfield Avenue
Borough of New Providence, County of Union, State of New Jersey
Federal Project No.: STP-7602(105)
SCE Job Number 2457.021

Any Estimate should be considered confidential and should only be made available to Department personnel on a need to know basis.

On February 26, 2019, five (5) bids were received on the above captioned project. The bids were as follows:

No. BIDDERS		BID PRICE	COST DIFFERENCE	PERCENT DIFFERENCE
	Engineer's Estimate	\$264,478.50		
1	AA Berms LLC	\$288,832.00	\$24,353.50	9.21%
2	JC Contracting, Inc.	\$311,887.00	\$47,408.50	17.93%
3	Zuccaro Inc.	\$401,180.00	\$136,701.50	51.69%
4	Berto Construction	\$413,453.00	\$148,974.50	56.33%
5	S. Batata Construction	\$488,565.00	\$224,086.50	84.73%

In the opinion of this office, the Low Bid of \$288,832.00, which was 9.21% above the Engineer's Estimate (Engineer's Estimate = \$264,478.50 vs. Low Bid = \$288,832.00) is acceptable. It is recommended that the project be awarded.

PROJECT OVERVIEW:

The purpose of the Phase II-A Downtown Improvements project is to install of in-roadway warning light enhanced crosswalk system, new curbing, concrete sidewalk, concrete paver walkway, driveway modifications, drainage modifications, decorative street lighting, electrical improvements, trees, landscaping and installation of related site appurtenances. The project purpose and need is to provide operational and safety improvements Springfield Avenue in the Borough.

WRITTEN ANALYSIS:

The difference between the Engineer's Estimate and Low Bid was **\$24,353.50**.

The Engineer's Estimate was developed using the average weighted prices and bid history for a project of this type and size in this region of New Jersey. In addition, the Lump Sum Tables found in the NJDOT Construction Cost Estimating Guidelines were reviewed for standard contract items.

The "NJDOT 2015 Cost Estimating" guidance necessitates that any "MAJOR" unit price items submitted by the apparent Low Bidder be checked for overruns and possible quantity errors. Quantity verification, triggered by apparent unit price unbalancing, involves contacting the project designer to review quantities and provide written verification. The designer has verified the quantities in question.

"MAJOR" items are defined as having met two conditions:

- 1) An individual bid item will be considered "significant/major" to the Contract if the total extended cost of the bid item makes up a percentage (%) greater than:
 - 4% for Contracts below \$5,000,000.
 - 3% for Contracts that range from \$5,000,001 to \$20,000,000.
 - 2.5% for Contracts that range from \$20,000,001 to \$50,000,000.
 - 2% for Contracts above \$50,000,000.

- 1) An individual bid item will be considerably significantly unbalanced if the difference between the low bidder's unit price and the estimate, expressed as a percent of the estimate, is greater than +50% or is less than -50% for major items.

This project had a total of 62 Items. Of these, 35 items were found to be significantly unbalanced (lower/higher) and placed into a Bid Analysis Table (Attachment A). The criteria for inclusion was as follows:

- All TOKEN bids - penny or dollar (10 items). Items 6-13, 60 and 61.
- All MAJOR items (6 items). OVER \$10,579 in engineer estimate Items 17, 23, 32, 48, 55 and 56.
- At reviewer's discretion, MINOR items (not significant to Contract) that are 100% above or 75% below the Engineer's Estimate, deemed as viable explanations for bid inconsistencies. (19 items).
 - Items 5, 15, 16, 18, 22, 25, 27, 28, 31, 34, 39, 42, 43, 46, 47, 51, 52, 53 and 59.

ITEMS PRICED LOWER THAN ENGINEER'S ESTIMATE:

The attached table "A" shows that the Low Bidder was lower than the Engineer's Estimate for Item #6 CONSTRUCTION LAYOUT, #7 INLET FILTER TYPE 2, 2' X 4', #8 BREAKAWAY BARRICADE, #9 DRUM, #10 TRAFFIC CONE, #11 CONSTRUCTION SIGNS, #12 CONSTRUCTION IDENTIFICATION SIGN, 4' X 8', #13 PORTABLE VARIABLE MESSAGE SIGN, #17 TRAFFIC DIRECTOR, FLAGGER, #23 CLEARING SITE, #31 CONCRETE FOOTING, #43 REMOVAL OF TRAFFIC STRIPES, #46 2" RIGID NONMETALLIC CONDUIT (SCH. 40), #47 2" RIGID NONMETALLIC CONDUIT (SCH. 80), #51 GROUND WIRE, NO. 6 AWG, #52 MULTIPLE

LIGHTING WIRE, NO. 6 AWG, #53 SERVICE WIRE, NO. 6 AWG, #56 ADVANCED PEDESTRIAN WARNING ASSEMBLY UPGRADES, #60 FERTILIZING AND SEEDING, TYPE D, and #61 STRAW MULCHING. The sum of the bid prices for the Contract quantities of these items is \$33,642.00 as compared to the sum of same items in the Engineer's Estimate of \$100,851.00. Significantly unbalanced items are included in the narrative below.

- For Item #17, "TRAFFIC DIRECTOR, FLAGGER", the Low Bidder submitted a price of \$1.00 per hour. The Second Low Bidder had a price of \$70.00 per hour and the Third Low Bidder \$75.00 per hour. The Engineer's Estimate had a price of \$66.08 per hour and was derived by using the available hourly rate for traffic directors. This item was correctly estimated by the designer. It appears that the contractor bid lower and dollar bid the item as this is a service that they typically cover in projects without separate line items. The Low Bidder's price was lower than both the Engineer's Estimate and Second Low Bidder.
- For Item #23 "CLEARING SITE", The Low Bidder submitted a lump sum price \$8,000.00. The Second Lowest Bidder submitted a price of \$20,000.00 and the Third Lowest Bidder submitted a price of \$23,000.00. The Engineer's Estimate had a price of \$18,000.00 and was derived using average bid history from similar projects. This item was correctly estimated by the designer. The Low Bidder's price was lower than both the Engineer's Estimate and Second Low Bidder.
- Another contributor of price discrepancy was Item #31 "CONCRETE FOOTING". The Low Bidder submitted a of \$300.00 per cubic yard. The Second Low Bidder had a price of \$1,000.00 per cubic yard. The Third Low Bidder had a price of \$300.00 per cubic yard. The Engineer's Estimate had a price of \$1,000.00 per cubic yard and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was slightly overestimated by the designer. The Low Bidder's price was lower than both the Engineer's Estimate and Second Low Bidder.
- Another contributor of price discrepancy was Item #43 "REMOVAL OF TRAFFIC STRIPES". The Low Bidder submitted a price of \$2.00 per linear foot. The Second Low Bidder had a price of \$2.50 per linear foot. The Third Low Bidder had a price of \$3.00 per linear foot. The Engineer's Estimate had a price of \$3.00 per linear foot and was derived by using average bid history from similar projects. This item was slightly overestimated by the designer. The Low Bidder's price was lower than both the Engineer's Estimate and Second Low Bidder.
- For Item #46 "2" RIGID NONMETALLIC CONDUIT (SCH. 40)", both the Low Bidder and the Second Lowest Bidder submitted a price of \$22.00 per linear foot. The Third Lowest Bidder submitted a price of \$35.00 per linear foot. The Engineer's Estimate had a price of \$35.00 per linear foot and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was slightly overestimated by the designer. The Low Bidder's price was lower than both the Engineer's Estimate and the same as the Second Low Bidder.
- For Item #47 "2" RIGID NONMETALLIC CONDUIT (SCH. 80)", the Low Bidder submitted a price of \$25.00 per linear foot. The Second Lowest Bidder submitted a price of \$24.00 per linear foot. The Third Lowest Bidder submitted a price of \$50.00 per linear foot. The Engineer's Estimate had a price of \$45.00 per linear foot and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was slightly overestimated by the designer. The Low Bidder's price was lower than both the Engineer's Estimate and the slightly over the Second Low Bidder.

- For Item #51 “GROUND WIRE, NO. 6 AWG”, the Low Bidder submitted a price of \$3.00 per linear foot. The Second Lowest Bidder submitted a price of \$2.00 per linear foot. The Third Lowest Bidder submitted a price of \$5.00 per linear foot. The Engineer’s Estimate had a price of \$10.00 per linear foot and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was overestimated by the designer. The Low Bidder’s price, Second Lowest Bidder and Third Lowest Bidder’s price was lower than the Engineer’s Estimate.
- For Item #52 “MULTIPLE LIGHTING WIRE, NO. 6 AWG”, the Low Bidder submitted a price of \$3.00 per linear foot. The Second Lowest Bidder submitted a price of \$2.00 per linear foot. The Third Lowest Bidder submitted a price of \$5.00 per linear foot. The Engineer’s Estimate had a price of \$10.00 per linear foot and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was overestimated by the designer. The Low Bidder’s price, Second Lowest Bidder and Third Lowest Bidder’s price was lower than the Engineer’s Estimate.
- For Item #53 “SERVICE WIRE, NO. 6 AWG”, the Low Bidder submitted a price of \$3.00 per linear foot. The Second Lowest Bidder submitted a price of \$2.00 per linear foot. The Third Lowest Bidder submitted a price of \$3.00 per linear foot. The Engineer’s Estimate had a price of \$10.00 per linear foot and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was overestimated by the designer. The Low Bidder’s price, Second Lowest Bidder and Third Lowest Bidder’s price was lower than the Engineer’s Estimate.
- For Item #56 “ADVANCED PEDESTRIAN WARNING ASSEMBLY UPGRADES”, the Low Bidder submitted a price of \$4,320.00 per unit. The Second Lowest Bidder submitted a price of \$4,200.00 per unit. The Third Lowest Bidder submitted a price of \$7,500.00 per unit. The Engineer’s Estimate had a price of \$8,500.00 and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was overestimated by the designer. The Low Bidder’s price, Second Lowest Bidder and Third Lowest Bidder’s price was lower than the Engineer’s Estimate.
- The Low Bidder submitted a “TOKEN” bid for Items 6 through 13, 60 and 61. Token Bids are bids with large variations from the Engineer's Estimate such as “penny” or “dollar”. The contractor bid extremely low for these items because they are typically absorbed in some other task and/or the contractor may have stockpiles of excess materials from previous projects. In addition, the bidder may personally own or lease equipment associated with these tasks which would drive the cost down significantly. The Low Bidder’s price was lower than the Engineer’s Estimate and were typically lower when compared to the Second Low Bidder. These items were principally related to trainees, traffic control, sediment removal, and disposal of regulated waste.
- Some of the unit prices were slightly overestimated and the Low Bidder and Second Low Bidder are more in-line with unit prices respectively. The Low Bidder’s price is realistic and better reflects current competitive market conditions.

ITEMS PRICED HIGHER THAN ENGINEER’S ESTIMATE:

The attached table shows that the Low Bidder was significantly higher than the Engineer’s Estimate for various items including Item #5 “MOBILIZATION”, Item #15 “TEMPORARY TRAFFIC STRIPES, 6””, Item #16 “TEMPORARY PAVEMENT MARKINGS”, Item #18 “PROTECTED PEDESTRIAN WALKWAY”, Item #22 “FINAL CLEANUP”, Item 25 “EXCAVATION, UNCLASSIFIED”, Item #27

“DENSE-GRADED AGGREGATE BASE COURSE, 4” THICK”, Item #28 “DENSE-GRADED AGGREGATE BASE COURSE, 8” THICK”, Item #32 “CONCRETE SIDEWALK, 4” THICK”, Item #33 “PRECAST CONCRETE PAVERS”, Item #34 “RESET PRECAST CONCRETE PAVERS”, Item #39 “TRAFFIC STRIPES, 4””, Item #42 “TRAFFIC STRIPES, 24””, Item #48 “PRECAST POLYMER CONCRETE JUNCTION BOX”, Item #55 “MID BLOCK PEDESTRIAN CROSSING SYSTEM (SPRINGFIELD AVENUE)” and Item #59 “TOP SOILING, 4” THICK”. The sum of the bid price for the contract quantity of this item is **\$131,150.00** as compared to the sum of same item in the Engineer’s Estimate of **\$71,460.00**.

- For Item #5, “MOBILIZATION” the Low Bidder came in with a lump sum price of \$19,000.00. The Second Low Bidder had a price of \$15,000.00 and the Third Low Bidder submitted a price of \$25,000.00. The Engineer’s Estimate had a price of \$5,000.00 and was priced using Lump Sum Chart guidelines found in the Construction Cost Estimation Manual. Although the items are bid in “DOLLAR” they should be considered the same as “lump sum” items. NJDOT enacted this revision to the pay unit to make it easier for the field staff to close out projects and process contractor payments. This item was underestimated by the designer. The Low Bidder was also higher than the Second Low Bidder. This item often is higher when a contractor “pennies” or “dollars” numerous items and is looking for an early payment item.
- For Item #15, “TEMPORARY TRAFFIC STRIPES, 6”” the Low Bidder came in with a price of \$4.00 per linear foot. The Second Low Bidder had a price of \$3.30 per linear foot and the Third Low Bidder submitted a price of \$2.00 per linear foot. The Engineer’s Estimate had a price of \$2.00 per linear foot and was derived by using average bid history from similar projects. This item was slightly underestimated by the designer. The Low Bidder’s price and Second Lowest Bidder’s price was higher than the Engineer’s Estimate.
- For Item #16, “TEMPORARY PAVEMENT MARKINGS” the Low Bidder came in with a price of \$10.00 per square foot. The Second Low Bidder had a price of \$24.00 per square foot and the Third Low Bidder submitted a price of \$5.00 per square foot. The Engineer’s Estimate had a price of \$2.50 per square foot and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was underestimated by the designer. The Low Bidder’s price and Second Lowest Bidder’s price was higher than the Engineer’s Estimate.
- For Item #18, “PROTECTED PEDESTRIAN WALKWAY” the Low Bidder came in with a price of \$100.00 per linear foot. The Second Low Bidder had a price of \$25.00 per linear foot and the Third Low Bidder submitted a price of \$50.00 per linear foot. The Engineer’s Estimate had a price of \$35.00 per linear foot and was derived by using average bid history from similar projects. This item was slightly underestimated by the designer. The Low Bidder’s price was higher than the Second Lowest Bidder’s price and the Engineer’s Estimate.
- For Item #22, “FINAL CLEAN UP” the Low Bidder came in with a lump sum price of \$9,000.00. The Second Low Bidder had a price of \$10,000.00 and the Third Low Bidder submitted a price of \$15,000.00. The Engineer’s Estimate had a price of \$2,500.00 and was priced using Lump Sum Chart guidelines found in the Construction Cost Estimation Manual. This item was underestimated by the Designer. This item often is higher when a contractor “pennies” or “dollars” numerous items and is looking for an early payment item.
- For Item #25, “EXCAVATION, UNCLASSIFIED” the Low Bidder came in with a price of \$100.00 per cubic yard. The Second Low Bidder had a price of \$20.00 per cubic yard and the Third Low Bidder submitted a price of \$50.00 per cubic yard. The Engineer’s Estimate had a price of \$40.00 per cubic yard and was derived by using average bid history from similar

projects. This item was slightly underestimated by the designer. The Low Bidder's price was higher than the Second Lowest Bidder's price and the Engineer's Estimate.

- For Item #27, "DENSE-GRADED AGGREGATE BASE COURSE, 4" THICK" the Low Bidder came in with a price of \$15.00 per square yard. The Second Low Bidder had a price of \$12.00 per square yard and the Third Low Bidder submitted a price of \$32.00 per square yard. The Engineer's Estimate had a price of \$6.00 per square yard and was derived by using average bid history from similar projects. This item was slightly underestimated by the designer. The Low Bidder's price was higher than the Second Lowest Bidder's price and the Engineer's Estimate.
- For Item #28, "DENSE-GRADED AGGREGATE BASE COURSE, 8" THICK" the Low Bidder came in with a price of \$30.00 per square yard. The Second Low Bidder had a price of \$15.00 per square yard and the Third Low Bidder submitted a price of \$45.00 per square yard. The Engineer's Estimate had a price of \$9.00 per square yard and was derived by using average bid history from similar projects. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.
- For Item #32, "CONCRETE SIDEWALK, 4" THICK" the Low Bidder came in with a price of \$95.00 per square yard. The Second Low Bidder had a price of \$100.00 per square yard and the Third Low Bidder submitted a price of \$100.00 per square yard. The Engineer's Estimate had a price of \$70.00 per square yard and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.
- For Item #34, "RESET PRECAST CONCRETE PAVERS" the Low Bidder came in with a price of \$100.00 per square yard. The Second Low Bidder had a price of \$120.00 per square yard and the Third Low Bidder submitted a price of \$115.00 per square yard. The Engineer's Estimate had a price of \$45.00 per square yard and was derived by using average bid history from similar projects. In addition, the RS Means Building Construction Cost Data Book was used for labor and equipment costs. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.
- For Item #39, "TRAFFIC STRIPES, 4'" the Low Bidder came in with a price of \$10.00 per linear foot. The Second Low Bidder had a price of \$3.30 per linear foot and the Third Low Bidder submitted a price of \$1.00 per linear foot. The Engineer's Estimate had a price of \$1.00 per linear foot and was derived by using average bid history from similar projects. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.
- For Item #42, "TRAFFIC STRIPES, 24'" the Low Bidder came in with a price of \$12.00 per linear foot. The Second Low Bidder had a price of \$5.50 per linear foot and the Third Low Bidder submitted a price of \$4.00 per linear foot. The Engineer's Estimate had a price of \$5.00 per linear foot and was derived by using average bid history from similar projects. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.
- For Item #48 "PRECAST POLYMER CONCRETE JUNCTION BOX", the Low Bidder submitted a price of \$2,000.00 per unit. The Second Lowest Bidder submitted a price of \$1,000.00 per unit. The Third Lowest Bidder submitted a price of \$1,200.00 per unit. The Engineer's Estimate had a price of \$1,800.00 per unit and was derived by using average bid

history from similar projects. This item was correctly estimated by the designer. The Low Bidder's price was higher than the Engineer's Estimate.

- For Item #55 "MID BLOCK PEDESTRIAN CROSSING SYSTEM (SPRINGFIELD AVENUE)", the Low Bidder submitted a lump sum price of \$49,000.00. The Second Lowest Bidder submitted a price of \$54,000.00. The Third Lowest Bidder submitted a price of \$48,000.00. The Engineer's Estimate had a lump sum price of \$30,000.00 and was derived by using average bid history from similar projects. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.
- For Item #59 "TOP SOILING, 4" THICK", the Low Bidder and the Second Lowest Bidder submitted a price of \$6.00 per square yard. The Third Lowest Bidder submitted a price of \$10.00 per square yard. The Engineer's Estimate had a price of \$2.50 per square yard and was derived by using average bid history from similar projects. This item was underestimated by the designer. The Low Bidder's price and Second Lowest Bidder's price was higher than the Engineer's Estimate.

CATEGORY COMPARISON:

The table below compares the Engineer's Estimate to the two (2) lowest bidders by way of category subtotals.

DESCRIPTION	ENGINEER'S COST ESTIMATE	AA BERM LOWEST BIDDER	JC CONTRACTING 2ND LOWEST BIDDER
Performance Bond & Payment Bond	\$5,000.00	\$5,500.00	\$5,400.00
Owner's & Contractor's Protective Liability Insurance	\$1,500.00	\$2,500.00	\$1,000.00
Progress Schedule	\$2,000.00	\$3,000.00	\$500.00
Mobilization	\$5,000.00	\$19,000.00	\$15,000.00
Construction Layout	\$2,300.00	\$1.00	\$1,500.00
Inlet Filter Type 2, 2' X 4'	\$60.00	\$4.00	\$200.00
Breakaway Barricade	\$1,250.00	\$25.00	\$25.00
Drum	\$1,875.00	\$75.00	\$75.00
Traffic Cone	\$225.00	\$75.00	\$75.00
Construction Signs	\$2,000.00	\$500.00	\$2,500.00
Construction Identification Sign, 4' X 8'	\$2,000.00	\$4.00	\$2,000.00

Portable Variable Message Sign	\$7,500.00	\$3.00	\$6,000.00
Temporary Traffic Stripes, 4"	\$150.00	\$200.00	\$220.00
Temporary Traffic Stripes, 6"	\$600.00	\$1,200.00	\$990.00
Temporary Pavement Markings	\$125.00	\$500.00	\$1,200.00
Traffic Director, Flagger	\$13,216.00	\$200.00	\$14,000.00
Protected Pedestrian Walkway	\$3,500.00	\$10,000.00	\$2,500.00
Police Traffic Directors	\$13,600.00	\$13,600.00	\$13,600.00
No Item	-	-	-
No Item	-	-	-
Final Cleanup	\$2,500.00	\$9,000.00	\$10,000.00
Clearing Site	\$18,000.00	\$8,000.00	\$20,000.00
Excavation, Test Pit	\$750.00	\$1,000.00	\$200.00
Excavation, Unclassified	\$640.00	\$1,600.00	\$320.00
Dense-Graded Aggregate Base Course, 4" Thick	\$2,640.00	\$6,600.00	\$5,280.00
Dense-Graded Aggregate Base Course, 8" Thick	\$180.00	\$600.00	\$300.00
Hot Mix Asphalt 12.5 M 64 Surface Course (2" Thick)	\$1,140.00	\$1,800.00	\$960.00
Hot Mix Asphalt 25 M 64 Base Course (6" Thick)	\$3,800.00	\$6,000.00	\$3,200.00
Concrete Footing	\$6,000.00	\$1,800.00	\$6,000.00
Concrete Sidewalk, 4" Thick	\$12,600.00	\$17,100.00	\$18,000.00
Precast Concrete Pavers	\$6,500.00	\$13,000.00	\$15,000.00
Reset Precast Concrete Pavers	\$450.00	\$1,000.00	\$1,200.00
Detectable Warning Surface	\$1,050.00	\$2,100.00	\$2,100.00

Tree Grates	\$3,000.00	\$6,000.00	\$3,600.00
9" X 20" Concrete Vertical Curb	\$3,080.00	\$5,500.00	\$7,700.00
Granite Curb	\$8,680.00	\$9,920.00	\$23,250.00
Traffic Stripes, 4"	\$15.00	\$150.00	\$49.50
Traffic Stripes, 6"	\$1,080.00	\$2,160.00	\$2,160.00
Traffic Stripes, 12"	\$1,137.50	\$1,950.00	\$1,462.50
Traffic Stripes, 24"	\$900.00	\$2,160.00	\$990.00
Removal of Traffic Stripes	\$2,700.00	\$1,800.00	\$2,250.00
Regulatory and Warning Sign	\$ 3,250.00	\$ 3,575.00	\$2,860.00
2" Rigid Metallic Conduit	\$1,500.00	\$2,100.00	\$1,500.00
2" Rigid Nonmetallic Conduit (Sch. 40)	\$10,500.00	\$6,600.00	\$6,600.00
2" Rigid Nonmetallic Conduit (Sch. 80)	\$3,825.00	\$2,125.00	\$2,040.00
Foundation, Type Mcf	\$2,000.00	\$1,500.00	\$1,700.00
Meter Cabinet, Type Tl	\$3,500.00	\$3,275.00	\$3,300.00
Ground Wire, No. 6 Awg	\$2,800.00	\$840.00	\$560.00
Multiple Lighting Wire, No. 6 Awg	\$8,150.00	\$2,445.00	\$1,630.00
Service Wire, No. 6 Awg	\$750.00	\$225.00	\$150.00
Foundation Decorative Light Standard	\$8,000.00	\$10,000.00	\$7,200.00
Mid Block Pedestrian Crossing System (Springfield Avenue)	\$30,000.00	\$49,000.00	\$54,000.00
Advanced Pedestrian Warning Assembly Upgrades	\$17,000.00	\$8,640.00	\$8,400.00
Lighting Standard Decorative	\$8,000.00	\$10,600.00	\$10,400.00

Luminaire Decorative	\$8,000.00	\$10,600.00	\$ 10,400.00
Top Soiling, 4" Thick	\$350.00	\$840.00	\$840.00
Fertilizing and Seeding, Type D	\$350.00	\$140.00	\$70.00
Straw Mulching	\$350.00	\$140.00	\$70.00
Large Deciduous Tree, 2-2 1/2" Caliper, B&B (Ginkgo Biloba)	\$2,550.00	\$4,500.00	\$1,200.00
TOTAL	\$264,478.50	\$288,832.00	\$311,887.00

Enclosures: Bid Analysis Item Table A

BID ANALYSIS TABLE

BOROUGH OF NEW PROVIDENCE

ENGINEER'S BID TABULATION SUMMARY

PROJECT: PHASE II-A DOWNTOWN IMPROVEMENT PROJECT - STP-7602(105)SPRINGFIELD AVENUE

LOCATION: BOROUGH OF NEW PROVIDENCE, COUNTY OF UNION, STATE OF NEW JERSEY

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT	Engineer's Cost Estimate		AA Berms LLC		J.C. Contracting, Inc.		Zuccaro Inc.	
						P.O. Box 180, Belleville New Jersey 07109		P.O. Box 14498 Des Moines, IA 50306		64 Commerce Street Garfield, New Jersey 07026	
				UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
5	MOBILIZATION	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 19,000.00	\$ 19,000.00	\$ 15,000.00	\$ 15,000.00	\$ 25,000.00	\$ 25,000.00
6	CONSTRUCTION LAYOUT	1	DOLL	\$ 2,300.00	\$ 2,300.00	\$ 1.00	\$ 1.00	\$ 1,500.00	\$ 1,500.00	\$ 17,500.00	\$ 17,500.00
7	INLET FILTER TYPE 2, 2' X 4'	4	U	\$ 15.00	\$ 60.00	\$ 1.00	\$ 4.00	\$ 50.00	\$ 200.00	\$ 250.00	\$ 1,000.00
8	BREAKAWAY BARRICADE	25	U	\$ 50.00	\$ 1,250.00	\$ 1.00	\$ 25.00	\$ 1.00	\$ 25.00	\$ 50.00	\$ 1,250.00
9	DRUM	75	U	\$ 25.00	\$ 1,875.00	\$ 1.00	\$ 75.00	\$ 1.00	\$ 75.00	\$ 50.00	\$ 3,750.00
10	TRAFFIC CONE	75	U	\$ 3.00	\$ 225.00	\$ 1.00	\$ 75.00	\$ 1.00	\$ 75.00	\$ 15.00	\$ 1,125.00
11	CONSTRUCTION SIGNS	500	SF	\$ 4.00	\$ 2,000.00	\$ 1.00	\$ 500.00	\$ 5.00	\$ 2,500.00	\$ 20.00	\$ 10,000.00
12	CONSTRUCTION IDENTIFICATION SIGN, 4' X 8'	4	U	\$ 500.00	\$ 2,000.00	\$ 1.00	\$ 4.00	\$ 500.00	\$ 2,000.00	\$ 400.00	\$ 1,600.00
13	PORTABLE VARIABLE MESSAGE SIGN	3	U	\$ 2,500.00	\$ 7,500.00	\$ 1.00	\$ 3.00	\$ 2,000.00	\$ 6,000.00	\$ 1,500.00	\$ 4,500.00
15	TEMPORARY TRAFFIC STRIPES, 6"	300	LF	\$ 2.00	\$ 600.00	\$ 4.00	\$ 1,200.00	\$ 3.30	\$ 990.00	\$ 2.00	\$ 600.00
16	TEMPORARY PAVEMENT MARKINGS	50	SF	\$ 2.50	\$ 125.00	\$ 10.00	\$ 500.00	\$ 24.00	\$ 1,200.00	\$ 5.00	\$ 250.00
17	TRAFFIC DIRECTOR, FLAGGER	200	HOUR	\$ 66.08	\$ 13,216.00	\$ 1.00	\$ 200.00	\$ 70.00	\$ 14,000.00	\$ 75.00	\$ 15,000.00
18	PROTECTED PEDESTRIAN WALKWAY	100	LF	\$ 35.00	\$ 3,500.00	\$ 100.00	\$ 10,000.00	\$ 25.00	\$ 2,500.00	\$ 50.00	\$ 5,000.00
22	FINAL CLEANUP	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 9,000.00	\$ 9,000.00	\$ 10,000.00	\$ 10,000.00	\$ 15,000.00	\$ 15,000.00
23	CLEARING SITE	1	LS	\$ 18,000.00	\$ 18,000.00	\$ 8,000.00	\$ 8,000.00	\$ 20,000.00	\$ 20,000.00	\$ 23,000.00	\$ 23,000.00
25	EXCAVATION, UNCLASSIFIED	16	CY	\$ 40.00	\$ 640.00	\$ 100.00	\$ 1,600.00	\$ 20.00	\$ 320.00	\$ 50.00	\$ 800.00
27	DENSE-GRADED AGGREGATE BASE COURSE, 4" THICK	440	SY	\$ 6.00	\$ 2,640.00	\$ 15.00	\$ 6,600.00	\$ 12.00	\$ 5,280.00	\$ 32.00	\$ 14,080.00
28	DENSE-GRADED AGGREGATE BASE COURSE, 8" THICK	20	SY	\$ 9.00	\$ 180.00	\$ 30.00	\$ 600.00	\$ 15.00	\$ 300.00	\$ 45.00	\$ 900.00
32	CONCRETE SIDEWALK, 4" THICK	180	SY	\$ 70.00	\$ 12,600.00	\$ 95.00	\$ 17,100.00	\$ 100.00	\$ 18,000.00	\$ 100.00	\$ 18,000.00
33	PRECAST CONCRETE PAVERS	100	SY	\$ 65.00	\$ 6,500.00	\$ 130.00	\$ 13,000.00	\$ 150.00	\$ 15,000.00	\$ 135.00	\$ 13,500.00
34	RESET PRECAST CONCRETE PAVERS	10	SY	\$ 45.00	\$ 450.00	\$ 100.00	\$ 1,000.00	\$ 120.00	\$ 1,200.00	\$ 115.00	\$ 1,150.00
39	TRAFFIC STRIPES, 4"	15	LF	\$ 1.00	\$ 15.00	\$ 10.00	\$ 150.00	\$ 3.30	\$ 49.50	\$ 1.00	\$ 15.00
42	TRAFFIC STRIPES, 24"	180	LF	\$ 5.00	\$ 900.00	\$ 12.00	\$ 2,160.00	\$ 5.50	\$ 990.00	\$ 4.00	\$ 720.00
43	REMOVAL OF TRAFFIC STRIPES	900	LF	\$ 3.00	\$ 2,700.00	\$ 2.00	\$ 1,800.00	\$ 2.50	\$ 2,250.00	\$ 3.00	\$ 2,700.00

BID ANALYSIS TABLE

BOROUGH OF NEW PROVIDENCE

ENGINEER'S BID TABULATION SUMMARY

PROJECT: PHASE II-A DOWNTOWN IMPROVEMENT PROJECT - STP-7602(105)SPRINGFIELD AVENUE

LOCATION: BOROUGH OF NEW PROVIDENCE, COUNTY OF UNION, STATE OF NEW JERSEY

ITEM NO.	DESCRIPTION	BID QUANTITY	UNIT	Engineer's Cost Estimate		AA Berms LLC		J.C. Contracting, Inc.		Zuccaro Inc.	
						P.O. Box 180, Belleville New Jersey 07109		P.O. Box 14498 Des Moines, IA 50306		64 Commerce Street Garfield, New Jersey 07026	
				UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
46	2" RIGID NONMETALLIC CONDUIT (SCH. 40)	300	LF	\$ 35.00	\$ 10,500.00	\$ 22.00	\$ 6,600.00	\$ 22.00	\$ 6,600.00	\$ 35.00	\$ 10,500.00
47	2" RIGID NONMETALLIC CONDUIT (SCH. 80)	85	LF	\$ 45.00	\$ 3,825.00	\$ 25.00	\$ 2,125.00	\$ 24.00	\$ 2,040.00	\$ 50.00	\$ 4,250.00
48	PRECAST POLYMER CONCRETE JUNCTION BOX	7	U	\$ 1,800.00	\$ 12,600.00	\$ 2,000.00	\$ 14,000.00	\$ 1,000.00	\$ 7,000.00	\$ 1,200.00	\$ 8,400.00
51	GROUND WIRE, NO. 6 AWG	280	LF	\$ 10.00	\$ 2,800.00	\$ 3.00	\$ 840.00	\$ 2.00	\$ 560.00	\$ 5.00	\$ 1,400.00
52	MULTIPLE LIGHTING WIRE, NO. 6 AWG	815	LF	\$ 10.00	\$ 8,150.00	\$ 3.00	\$ 2,445.00	\$ 2.00	\$ 1,630.00	\$ 5.00	\$ 4,075.00
53	SERVICE WIRE, NO. 6 AWG	75	LF	\$ 10.00	\$ 750.00	\$ 3.00	\$ 225.00	\$ 2.00	\$ 150.00	\$ 3.00	\$ 225.00
55	MID BLOCK PEDESTRIAN CROSSING SYSTEM (SPRINGFIELD AVENUE)	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 49,000.00	\$ 49,000.00	\$ 54,000.00	\$ 54,000.00	\$ 48,000.00	\$ 48,000.00
56	ADVANCED PEDESTRIAN WARNING ASSEMBLY UPGRADES	2	U	\$ 8,500.00	\$ 17,000.00	\$ 4,320.00	\$ 8,640.00	\$ 4,200.00	\$ 8,400.00	\$ 7,500.00	\$ 15,000.00
59	TOPSOILING, 4" THICK	140	SY	\$ 2.50	\$ 350.00	\$ 6.00	\$ 840.00	\$ 6.00	\$ 840.00	\$ 10.00	\$ 1,400.00
60	FERTILIZING AND SEEDING, TYPE D	140	SY	\$ 2.50	\$ 350.00	\$ 1.00	\$ 140.00	\$ 0.50	\$ 70.00	\$ 1.00	\$ 140.00
61	STRAW MULCHING	140	SY	\$ 2.50	\$ 350.00	\$ 1.00	\$ 140.00	\$ 0.50	\$ 70.00	\$ 1.00	\$ 140.00

NOTES:

Lower than Engineers Estimate

Higher than Engineers Estimate