



Roll Call Number

Agenda Item Number

58

DATE November 21, 2022

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON EASTON BOULEVARD RECONSTRUCTION - E. 33RD STREET TO FOURMILE CREEK; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS ALL STAR CONCRETE, L.L.C., ALEX VAZQUEZ, MEMBER AND MANAGER, \$1,454,255.24

WHEREAS, on October 3, 2022, under Roll Call No. 22-1492, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

Easton Boulevard Reconstruction - E. 33rd Street to Fourmile Creek, 062017010

The improvement includes Portland Cement Concrete (PCC) pavement, PCC sidewalk and trail, removals, earthwork, modified rock subbase, water service replacement, storm sewer installation, pavement markings, traffic control, erosion control, clearing and grubbing and surface restoration; all in accordance with the contract documents, including Plan File No. 644-273/340, located on Easton Boulevard from E. 33rd Street to Fourmile Creek in Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- All Star Concrete, L.L.C., Johnston, IA - Low Bid
- Absolute Concrete Construction, Inc., Slater, IA
- Concrete Technologies, Inc., Grimes, IA
- Jasper Construction Services, Inc., Newton, IA
- Elder Corporation, Des Moines, IA
- Synergy Contracting, LLC, Altoona, IA

which were received and opened at a public meeting presided over by the Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa at 11:00 a.m. on October 25, 2022. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by All Star Concrete, L.L.C., Alex Vazquez, Member and Manager, 4989 NW Johnston Drive, Johnston, IA, 50131 in the amount of \$1,454,255.24, and said bid be and the same is hereby accepted.



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BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(City Council Communication Number 22-545 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

Funding Source: 2022-23 CIP, Page 122, Easton Blvd - University Ave - Fourmile Creek, ST263, G.O. Bonds

SLN
PW

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
SHEUMAKER				
VOSS				
WESTERGAARD				
TOTAL				

I, Laura Baumgartner, City Clerk of said City Council, hereby certify that at a meeting of the City Council, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

MOTION CARRIED APPROVED

Mayor

City Clerk

TABULATED BY: N. SMITH APPROVED BY: P. Wage
CHECKED BY: [Signature]

CONTRACTOR'S BID TABULATION

PROJECT: EASTON BOULEVARD RECONSTRUCTION - E. 33RD STREET TO FOURMILE CREEK

-----ESTIMATE-----

All Star Concrete, LLC
Johnston, IA

BID SECURITY
10% Bid Bond

BID PRICE

Absolute Concrete Construction, Inc
Granger, IA

BID SECURITY
10% Bid Bond

BID PRICE

Concrete Technologies, Inc.
Grimes, IA

BID SECURITY
10% Bid Bond

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	CLEARING AND GRUBBING	1 LS	\$5,000.00	\$5,000.00	\$7,845.00	\$7,845.00	\$10,000.00	\$10,000.00	\$10,400.00	\$10,400.00
2	TOPSOIL, OFF - SITE	300 CY	\$45.00	\$13,500.00	\$31.38	\$9,414.00	\$30.00	\$9,000.00	\$79.00	\$23,700.00
3	EXCAVATION, CLASS 10	1950 CY	\$25.00	\$48,750.00	\$15.69	\$30,595.50	\$15.00	\$29,250.00	\$26.50	\$51,675.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	5380 SY	\$6.00	\$32,280.00	\$3.67	\$19,744.60	\$3.50	\$18,830.00	\$3.70	\$19,906.00
5	SUBGRADE TREATMENT - GEOGRID	5380 SY	\$7.00	\$37,660.00	\$6.28	\$33,786.40	\$6.00	\$32,280.00	\$3.20	\$17,216.00
6	SUBBASE, MODIFIED, 8 IN. THICK	5380 SY	\$20.00	\$107,600.00	\$16.74	\$90,061.20	\$16.00	\$86,080.00	\$20.00	\$107,600.00
7	SUBBASE, MODIFIED, EXTRA DEPTH	200 TON	\$50.00	\$10,000.00	\$41.84	\$8,368.00	\$40.00	\$8,000.00	\$48.50	\$9,700.00
8	SUBBASE, 3-INCH CLEAN, EXTRA DEPTH	100 TON	\$50.00	\$5,000.00	\$47.07	\$4,707.00	\$45.00	\$4,500.00	\$56.75	\$5,675.00
9	STORM SEWER, TRENCHED, 15 IN. DIA.	1221 LF	\$150.00	\$183,150.00	\$115.60	\$141,147.60	\$110.00	\$134,310.00	\$97.00	\$118,437.00
10	STORM SEWER, TRENCHED, 18 IN. DIA.	239 LF	\$160.00	\$38,240.00	\$126.11	\$30,140.29	\$120.00	\$28,680.00	\$101.00	\$24,139.00
11	SUBDRAIN, LONGITUDINAL, 6 IN.	2565 LF	\$40.00	\$102,600.00	\$13.67	\$35,063.55	\$13.00	\$33,345.00	\$36.00	\$92,340.00
12	SUBDRAIN OUTLET	15 EACH	\$500.00	\$7,500.00	\$735.63	\$11,034.45	\$700.00	\$10,500.00	\$500.00	\$7,500.00
13	INTAKE, SW-503	1 EACH	\$7,500.00	\$7,500.00	\$9,983.55	\$9,983.55	\$9,500.00	\$9,500.00	\$11,550.00	\$11,550.00
14	INTAKE, SW-505	8 EACH	\$10,000.00	\$80,000.00	\$7,881.75	\$63,054.00	\$7,500.00	\$60,000.00	\$11,400.00	\$91,200.00
15	INTAKE, SW-506	4 EACH	\$12,000.00	\$48,000.00	\$9,458.10	\$37,832.40	\$9,000.00	\$36,000.00	\$13,300.00	\$53,200.00
16	MANHOLE ADJUSTMENT, MINOR	1 EACH	\$1,200.00	\$1,200.00	\$2,627.25	\$2,627.25	\$2,500.00	\$2,500.00	\$2,310.00	\$2,310.00
17	CONNECTION TO EXISTING INTAKE	1 EACH	\$800.00	\$800.00	\$1,996.71	\$1,996.71	\$1,900.00	\$1,900.00	\$2,100.00	\$2,100.00
18	PAVEMENT, PCC, 8 IN. THICK	4630 SY	\$75.00	\$347,250.00	\$78.86	\$365,121.80	\$76.00	\$351,880.00	\$83.25	\$385,447.50
19	PCC PAVEMENT SAMPLES AND TESTING	1 LS	\$2,000.00	\$2,000.00	\$1,406.87	\$1,406.87	\$5,000.00	\$5,000.00	\$12,375.00	\$12,375.00
20	PAVEMENT WIDENING, PCC, 9 IN. THICK	90 SY	\$100.00	\$9,000.00	\$236.46	\$21,281.40	\$200.00	\$18,000.00	\$209.00	\$18,810.00
21	REMOVAL OF SIDEWALK	780 SY	\$15.00	\$11,700.00	\$16.22	\$12,651.60	\$15.00	\$11,700.00	\$17.00	\$13,260.00
22	REMOVAL OF DRIVEWAY	340 SY	\$15.00	\$5,100.00	\$16.22	\$5,514.80	\$15.00	\$5,100.00	\$17.00	\$5,780.00
23	SHARED USE PATH, PCC, 6 IN. THICK	1535 SY	\$65.00	\$99,775.00	\$50.55	\$77,594.25	\$65.00	\$99,775.00	\$47.50	\$72,912.50
24	SUBGRADE PREPARATION FOR SHARED USE PATH	2415 SY	\$7.00	\$16,905.00	\$3.67	\$8,863.05	\$3.50	\$8,452.50	\$5.25	\$12,678.75
25	SIDEWALK, PCC, 4 IN. THICK	45 SY	\$60.00	\$2,700.00	\$40.44	\$1,819.80	\$95.00	\$4,275.00	\$63.00	\$2,835.00
26	SIDEWALK, PCC, 5 IN. THICK	385 SY	\$63.00	\$24,255.00	\$42.46	\$16,347.10	\$98.00	\$37,730.00	\$47.50	\$18,287.50
27	DETECTABLE WARNING	169 SF	\$80.00	\$13,520.00	\$55.60	\$9,396.40	\$72.00	\$12,168.00	\$47.50	\$8,027.50
28	DRIVEWAY, PCC, 6 IN. THICK	780 SY	\$70.00	\$54,600.00	\$48.53	\$37,853.40	\$90.00	\$70,200.00	\$59.00	\$46,020.00
29	DRIVEWAY, GRANULAR (TEMPORARY)	470 TON	\$60.00	\$28,200.00	\$41.84	\$19,664.80	\$40.00	\$18,800.00	\$69.50	\$32,665.00
30	PAVEMENT REMOVAL	6865 SY	\$18.00	\$123,570.00	\$14.13	\$97,002.45	\$13.00	\$89,245.00	\$17.00	\$116,705.00
31	PERMANENT PAVEMENT MARKINGS, PROFILED MARKING TAPE	35.06 STA	\$500.00	\$17,530.00	\$523.00	\$18,336.38	\$665.00	\$23,314.90	\$700.00	\$24,542.00
32	PAINTED PAVEMENT MARKINGS, EPOXY	3.39 STA	\$550.00	\$1,864.50	\$941.40	\$3,191.35	\$415.00	\$1,406.85	\$440.00	\$1,491.60
33	PRECUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TAPE	4 EACH	\$600.00	\$2,400.00	\$507.31	\$2,029.24	\$500.00	\$2,000.00	\$525.00	\$2,100.00
34	PAVEMENT MARKINGS REMOVED	12 STA	\$100.00	\$1,200.00	\$104.60	\$1,255.20	\$120.00	\$1,440.00	\$125.00	\$1,500.00
35	SYMBOLS AND LEGENDS REMOVED	2 EACH	\$200.00	\$400.00	\$104.60	\$209.20	\$120.00	\$240.00	\$125.00	\$250.00
36	GROOVES CUT FOR PAVEMENT MARKINGS	38.45 STA	\$70.00	\$2,691.50	\$130.75	\$5,027.34	\$80.00	\$3,076.00	\$85.00	\$3,268.25
37	GROOVES CUT FOR SYMBOLS AND LEGENDS	4 EACH	\$300.00	\$1,200.00	\$130.75	\$523.00	\$120.00	\$480.00	\$125.00	\$500.00
38	TEMPORARY TRAFFIC CONTROL	1 LS	\$27,630.25	\$27,630.25	\$19,769.40	\$19,769.40	\$20,000.00	\$20,000.00	\$14,500.00	\$14,500.00
39	FLAGGERS, CERTIFIED	10 DAY	\$500.00	\$5,000.00	\$475.93	\$4,759.30	\$1,000.00	\$10,000.00	\$480.00	\$4,800.00
40	SOD	310 SQ	\$80.00	\$24,800.00	\$69.04	\$21,402.40	\$66.00	\$20,460.00	\$70.00	\$21,700.00
41	WATERING FOR SOD	80 MGAL	\$50.00	\$4,000.00	\$52.30	\$4,184.00	\$50.00	\$4,000.00	\$52.50	\$4,200.00
42	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$8,000.00	\$8,000.00	\$5,230.00	\$5,230.00	\$5,000.00	\$5,000.00	\$5,250.00	\$5,250.00
43	FILTER SOCK, 9 IN. DIA.	3000 LF	\$4.00	\$12,000.00	\$2.10	\$6,300.00	\$2.00	\$6,000.00	\$2.10	\$6,300.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
44	FILTER SOCK REMOVAL	3000 LF	\$2.00	\$6,000.00	\$0.37	\$1,110.00	\$0.35	\$1,050.00	\$0.40	\$1,200.00
45	EROSION CONTROL MULCHING, HYDROMULCHING	1.2 ACRE	\$3,000.00	\$3,600.00	\$3,138.00	\$3,765.60	\$3,000.00	\$3,600.00	\$3,150.00	\$3,780.00
46	INLET PROTECTION DEVICE	14 EACH	\$300.00	\$4,200.00	\$209.20	\$2,928.80	\$200.00	\$2,800.00	\$210.00	\$2,940.00
47	FENCE, 48 IN. TREE PROTECTION	710 LF	\$10.00	\$7,100.00	\$3.67	\$2,605.70	\$3.50	\$2,485.00	\$3.75	\$2,662.50
48	MOBILIZATION	1 LS	\$100,000.00	\$100,000.00	\$57,425.40	\$57,425.40	\$150,000.00	\$150,000.00	\$91,979.90	\$91,979.90
49	MAINTENANCE OF POSTAL SERVICE	1 LS	\$3,000.00	\$3,000.00	\$3,974.80	\$3,974.80	\$14,365.00	\$14,365.00	\$3,000.00	\$3,000.00
50	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$3,000.00	\$3,000.00	\$8,629.50	\$8,629.50	\$13,000.00	\$13,000.00	\$3,450.00	\$3,450.00
51	CHECK DEPTH OF WATER SERVICE	3 EACH	\$2,000.00	\$6,000.00	\$313.80	\$941.40	\$300.00	\$900.00	\$840.00	\$2,520.00
52	LOWER WATER SERVICE	2 EACH	\$5,000.00	\$10,000.00	\$1,255.20	\$2,510.40	\$1,200.00	\$2,400.00	\$2,100.00	\$4,200.00
53	LOWER WATER SERVICE WITH COPPER	4 EACH	\$7,000.00	\$28,000.00	\$1,576.35	\$6,305.40	\$1,500.00	\$6,000.00	\$2,365.00	\$9,460.00
54	LOWER WATER SERVICE, 3 IN.	1 EACH	\$10,000.00	\$10,000.00	\$1,891.62	\$1,891.62	\$1,800.00	\$1,800.00	\$12,600.00	\$12,600.00
55	WATER SERVICE TAP, 1 IN.	5 EACH	\$2,500.00	\$12,500.00	\$3,152.70	\$15,763.50	\$3,000.00	\$15,000.00	\$1,340.00	\$6,700.00
56	NEW STOP BOX HOUSING	6 EACH	\$500.00	\$3,000.00	\$420.36	\$2,522.16	\$400.00	\$2,400.00	\$700.00	\$4,200.00
57	NEW STOP BOX ROD	6 EACH	\$500.00	\$3,000.00	\$105.09	\$630.54	\$100.00	\$600.00	\$435.00	\$2,610.00
58	REMOVE AND REINSTALL SIGN, AS PER PLAN	2 EACH	\$400.00	\$800.00	\$420.36	\$840.72	\$200.00	\$400.00	\$210.00	\$420.00
59	REMOVAL OF SIGN	14 EACH	\$200.00	\$2,800.00	\$104.60	\$1,464.40	\$100.00	\$1,400.00	\$105.00	\$1,470.00
60	TYPE A SIGNS, SHEET ALUMINUM	41.75 SF	\$75.00	\$3,131.25	\$41.84	\$1,746.82	\$50.00	\$2,087.50	\$53.00	\$2,212.75
61	SIGN POST, PERFORATED STEEL, SQUARE TUBE POST, 1-3/4 IN.	37.5 LF	\$25.00	\$937.50	\$63.06	\$2,364.75	\$30.00	\$1,125.00	\$31.50	\$1,181.25
62	SIGN POST, PERFORATED STEEL, SQUARE TUBE POST, 2 IN.	12 LF	\$30.00	\$360.00	\$63.06	\$756.72	\$30.00	\$360.00	\$31.50	\$378.00
63	SCHOOL FLASHER ASSEMBLY, REMOVE	1 EACH	\$1,000.00	\$1,000.00	\$2,784.89	\$2,784.89	\$2,650.00	\$2,650.00	\$2,785.00	\$2,785.00
64	SCHOOL FLASHER ASSEMBLY, AS PER PLAN	1 EACH	\$10,000.00	\$10,000.00	\$23,796.50	\$23,796.50	\$22,750.00	\$22,750.00	\$23,900.00	\$23,900.00
65	SIGNAL DETECTOR LOOP, 6' X 20'	2 EACH	\$2,000.00	\$4,000.00	\$1,891.62	\$3,783.24	\$1,800.00	\$3,600.00	\$1,890.00	\$3,780.00
66	SIGNAL DETECTOR LOOP, 6' X 8'	1 EACH	\$1,500.00	\$1,500.00	\$1,576.35	\$1,576.35	\$1,500.00	\$1,500.00	\$1,575.00	\$1,575.00
TOTAL CONSTRUCTION COST				\$1,800,000.00		\$1,454,255.24		\$1,596,690.75		\$1,673,858.00
PERCENT OF ENGINEER'S ESTIMATE						-19.21%		-11.29%		-7.01%
						Low				

TABULATED BY: N. SMITH APPROVED BY: P. Waga
CHECKED BY: _____

CONTRACTOR'S BID TABULATION

PROJECT: EASTON BOULEVARD RECONSTRUCTION - E. 33RD STREET TO FOURMILE CREEK

-----ESTIMATE-----

**Jasper Construction
Services, Inc.**
Newton, IA

Elder Corporation
Des Moines, IA

Synergy Contracting, LLC
Des Moines, IA

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID PRICE

BID PRICE

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	CLEARING AND GRUBBING	1 LS	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$9,700.00	\$9,700.00	\$10,500.00	\$10,500.00
2	TOPSOIL, OFF - SITE	300 CY	\$45.00	\$13,500.00	\$60.00	\$18,000.00	\$171.50	\$51,450.00	\$63.00	\$18,900.00
3	EXCAVATION, CLASS 10	1950 CY	\$25.00	\$48,750.00	\$35.00	\$68,250.00	\$40.50	\$78,975.00	\$35.00	\$68,250.00
4	SUBGRADE PREPARATION, 6 IN. DEPTH	5380 SY	\$6.00	\$32,280.00	\$7.00	\$37,660.00	\$8.20	\$44,116.00	\$7.00	\$37,660.00
5	SUBGRADE TREATMENT - GEOGRID	5380 SY	\$7.00	\$37,660.00	\$4.50	\$24,210.00	\$4.15	\$22,327.00	\$5.00	\$26,900.00
6	SUBBASE, MODIFIED, 8 IN. THICK	5380 SY	\$20.00	\$107,600.00	\$20.00	\$107,600.00	\$21.80	\$117,284.00	\$28.00	\$150,640.00
7	SUBBASE, MODIFIED, EXTRA DEPTH	200 TON	\$50.00	\$10,000.00	\$45.00	\$9,000.00	\$63.50	\$12,700.00	\$49.00	\$9,800.00
8	SUBBASE, 3-INCH CLEAN, EXTRA DEPTH	100 TON	\$50.00	\$5,000.00	\$50.00	\$5,000.00	\$70.25	\$7,025.00	\$56.00	\$5,600.00
9	STORM SEWER, TRENCHED, 15 IN. DIA.	1221 LF	\$150.00	\$183,150.00	\$101.00	\$123,321.00	\$126.25	\$154,151.25	\$175.00	\$213,675.00
10	STORM SEWER, TRENCHED, 18 IN. DIA.	239 LF	\$160.00	\$38,240.00	\$106.00	\$25,334.00	\$138.50	\$33,101.50	\$182.00	\$43,498.00
11	SUBDRAIN, LONGITUDINAL, 6 IN.	2565 LF	\$40.00	\$102,600.00	\$26.00	\$66,690.00	\$28.85	\$74,000.25	\$21.00	\$53,865.00
12	SUBDRAIN OUTLET	15 EACH	\$500.00	\$7,500.00	\$940.00	\$14,100.00	\$475.00	\$7,125.00	\$1,120.00	\$16,800.00
13	INTAKE, SW-503	1 EACH	\$7,500.00	\$7,500.00	\$4,000.00	\$4,000.00	\$10,100.00	\$10,100.00	\$12,460.00	\$12,460.00
14	INTAKE, SW-505	8 EACH	\$10,000.00	\$80,000.00	\$4,500.00	\$36,000.00	\$10,050.00	\$80,400.00	\$12,950.00	\$103,600.00
15	INTAKE, SW-506	4 EACH	\$12,000.00	\$48,000.00	\$6,000.00	\$24,000.00	\$12,600.00	\$50,400.00	\$16,695.00	\$66,780.00
16	MANHOLE ADJUSTMENT, MINOR	1 EACH	\$1,200.00	\$1,200.00	\$2,500.00	\$2,500.00	\$5,350.00	\$5,350.00	\$3,500.00	\$3,500.00
17	CONNECTION TO EXISTING INTAKE	1 EACH	\$800.00	\$800.00	\$2,200.00	\$2,200.00	\$3,850.00	\$3,850.00	\$5,600.00	\$5,600.00
18	PAVEMENT, PCC, 8 IN. THICK	4630 SY	\$75.00	\$347,250.00	\$85.00	\$393,550.00	\$82.00	\$379,660.00	\$90.00	\$416,700.00
19	PCC PAVEMENT SAMPLES AND TESTING	1 LS	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00	\$6,650.00	\$6,650.00
20	PAVEMENT WIDENING, PCC, 9 IN. THICK	90 SY	\$100.00	\$9,000.00	\$120.00	\$10,800.00	\$130.00	\$11,700.00	\$161.00	\$14,490.00
21	REMOVAL OF SIDEWALK	780 SY	\$15.00	\$11,700.00	\$20.00	\$15,600.00	\$11.90	\$9,282.00	\$21.00	\$16,380.00
22	REMOVAL OF DRIVEWAY	340 SY	\$15.00	\$5,100.00	\$20.00	\$6,800.00	\$19.25	\$6,545.00	\$21.00	\$7,140.00
23	SHARED USE PATH, PCC, 6 IN. THICK	1535 SY	\$65.00	\$99,775.00	\$70.00	\$107,450.00	\$46.00	\$70,610.00	\$84.00	\$128,940.00
24	SUBGRADE PREPARATION FOR SHARED USE PATH	2415 SY	\$7.00	\$16,905.00	\$7.00	\$16,905.00	\$9.75	\$23,546.25	\$7.00	\$16,905.00
25	SIDEWALK, PCC, 4 IN. THICK	45 SY	\$60.00	\$2,700.00	\$80.00	\$3,600.00	\$60.00	\$2,700.00	\$70.00	\$3,150.00
26	SIDEWALK, PCC, 5 IN. THICK	385 SY	\$63.00	\$24,255.00	\$80.00	\$30,800.00	\$50.00	\$19,250.00	\$84.00	\$32,340.00
27	DETECTABLE WARNING	169 SF	\$80.00	\$13,520.00	\$60.00	\$10,140.00	\$48.00	\$8,112.00	\$70.00	\$11,830.00
28	DRIVEWAY, PCC, 6 IN. THICK	780 SY	\$70.00	\$54,600.00	\$80.00	\$62,400.00	\$60.18	\$46,940.40	\$91.00	\$70,980.00
29	DRIVEWAY, GRANULAR (TEMPORARY)	470 TON	\$60.00	\$28,200.00	\$50.00	\$23,500.00	\$54.00	\$25,380.00	\$56.00	\$26,320.00
30	PAVEMENT REMOVAL	6865 SY	\$18.00	\$123,570.00	\$16.50	\$113,272.50	\$12.20	\$83,753.00	\$21.00	\$144,165.00
31	PERMANENT PAVEMENT MARKINGS, PROFILED MARKING TAPE	35.06 STA	\$500.00	\$17,530.00	\$550.00	\$19,283.00	\$650.00	\$22,789.00	\$700.00	\$24,542.00
32	PAINTED PAVEMENT MARKINGS, EPOXY	3.39 STA	\$550.00	\$1,864.50	\$990.00	\$3,356.10	\$500.00	\$1,695.00	\$1,100.00	\$3,729.00
33	PRE CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TAPE	4 EACH	\$600.00	\$2,400.00	\$535.00	\$2,140.00	\$450.00	\$1,800.00	\$630.00	\$2,520.00
34	PAVEMENT MARKINGS REMOVED	12 STA	\$100.00	\$1,200.00	\$110.00	\$1,320.00	\$430.00	\$5,160.00	\$133.00	\$1,596.00
35	SYMBOLS AND LEGENDS REMOVED	2 EACH	\$200.00	\$400.00	\$110.00	\$220.00	\$250.00	\$500.00	\$140.00	\$280.00
36	GROOVES CUT FOR PAVEMENT MARKINGS	38.45 STA	\$70.00	\$2,691.50	\$138.00	\$5,306.10	\$115.00	\$4,421.75	\$200.00	\$7,690.00
37	GROOVES CUT FOR SYMBOLS AND LEGENDS	4 EACH	\$300.00	\$1,200.00	\$138.00	\$552.00	\$175.00	\$700.00	\$210.00	\$840.00
38	TEMPORARY TRAFFIC CONTROL	1 LS	\$27,630.25	\$27,630.25	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$17,500.00	\$17,500.00
39	FLAGGERS, CERTIFIED	10 DAY	\$500.00	\$5,000.00	\$550.00	\$5,500.00	\$600.00	\$6,000.00	\$700.00	\$7,000.00
40	SOD	310 SQ	\$80.00	\$24,800.00	\$80.00	\$24,800.00	\$66.00	\$20,460.00	\$105.00	\$32,550.00
41	WATERING FOR SOD	80 MGAL	\$50.00	\$4,000.00	\$60.00	\$4,800.00	\$50.00	\$4,000.00	\$84.00	\$6,720.00
42	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	1 LS	\$8,000.00	\$8,000.00	\$12,000.00	\$12,000.00	\$6,500.00	\$6,500.00	\$4,900.00	\$4,900.00
43	FILTER SOCK, 9 IN. DIA.	3000 LF	\$4.00	\$12,000.00	\$1.50	\$4,500.00	\$2.00	\$6,000.00	\$3.50	\$10,500.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
44	FILTER SOCK REMOVAL	3000 LF	\$2.00	\$6,000.00	\$0.10	\$300.00	\$0.25	\$750.00	\$0.70	\$2,100.00
45	EROSION CONTROL MULCHING, HYDROMULCHING	1.2 ACRE	\$3,000.00	\$3,600.00	\$2,000.00	\$2,400.00	\$3,000.00	\$3,600.00	\$3,850.00	\$4,620.00
46	INLET PROTECTION DEVICE	14 EACH	\$300.00	\$4,200.00	\$175.00	\$2,450.00	\$200.00	\$2,800.00	\$210.00	\$2,940.00
47	FENCE, 48 IN. TREE PROTECTION	710 LF	\$10.00	\$7,100.00	\$5.00	\$3,550.00	\$3.50	\$2,485.00	\$7.00	\$4,970.00
48	MOBILIZATION	1 LS	\$100,000.00	\$100,000.00	\$176,000.00	\$176,000.00	\$123,185.60	\$123,185.60	\$207,000.00	\$207,000.00
49	MAINTENANCE OF POSTAL SERVICE	1 LS	\$3,000.00	\$3,000.00	\$7,500.00	\$7,500.00	\$17,000.00	\$17,000.00	\$5,320.00	\$5,320.00
50	MAINTENANCE OF SOLID WASTE COLLECTION	1 LS	\$3,000.00	\$3,000.00	\$7,500.00	\$7,500.00	\$37,000.00	\$37,000.00	\$10,500.00	\$10,500.00
51	CHECK DEPTH OF WATER SERVICE	3 EACH	\$2,000.00	\$6,000.00	\$800.00	\$2,400.00	\$1,525.00	\$4,575.00	\$2,100.00	\$6,300.00
52	LOWER WATER SERVICE	2 EACH	\$5,000.00	\$10,000.00	\$2,000.00	\$4,000.00	\$2,900.00	\$5,800.00	\$5,110.00	\$10,220.00
53	LOWER WATER SERVICE WITH COPPER	4 EACH	\$7,000.00	\$28,000.00	\$2,250.00	\$9,000.00	\$3,500.00	\$14,000.00	\$5,250.00	\$21,000.00
54	LOWER WATER SERVICE, 3 IN.	1 EACH	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00	\$9,150.00	\$9,150.00	\$11,900.00	\$11,900.00
55	WATER SERVICE TAP, 1 IN.	5 EACH	\$2,500.00	\$12,500.00	\$1,275.00	\$6,375.00	\$3,425.00	\$17,125.00	\$4,550.00	\$22,750.00
56	NEW STOP BOX HOUSING	6 EACH	\$500.00	\$3,000.00	\$665.00	\$3,990.00	\$665.00	\$3,990.00	\$210.00	\$1,260.00
57	NEW STOP BOX ROD	6 EACH	\$500.00	\$3,000.00	\$415.00	\$2,490.00	\$650.00	\$3,900.00	\$175.00	\$1,050.00
58	REMOVE AND REINSTALL SIGN, AS PER PLAN	2 EACH	\$400.00	\$800.00	\$440.00	\$880.00	\$125.00	\$250.00	\$420.00	\$840.00
59	REMOVAL OF SIGN	14 EACH	\$200.00	\$2,800.00	\$110.00	\$1,540.00	\$75.00	\$1,050.00	\$140.00	\$1,960.00
60	TYPE A SIGNS, SHEET ALUMINUM	41.75 SF	\$75.00	\$3,131.25	\$44.00	\$1,837.00	\$25.00	\$1,043.75	\$70.00	\$2,922.50
61	SIGN POST, PERFORATED STEEL, SQUARE TUBE POST, 1-3/4 IN.	37.5 LF	\$25.00	\$937.50	\$66.00	\$2,475.00	\$17.50	\$656.25	\$105.00	\$3,937.50
62	SIGN POST, PERFORATED STEEL, SQUARE TUBE POST, 2 IN.	12 LF	\$30.00	\$360.00	\$66.00	\$792.00	\$15.00	\$180.00	\$105.00	\$1,260.00
63	SCHOOL FLASHER ASSEMBLY, REMOVE	1 EACH	\$1,000.00	\$1,000.00	\$3,000.00	\$3,000.00	\$2,700.00	\$2,700.00	\$2,800.00	\$2,800.00
64	SCHOOL FLASHER ASSEMBLY, AS PER PLAN	1 EACH	\$10,000.00	\$10,000.00	\$24,000.00	\$24,000.00	\$23,000.00	\$23,000.00	\$28,000.00	\$28,000.00
65	SIGNAL DETECTOR LOOP, 6' X 20'	2 EACH	\$2,000.00	\$4,000.00	\$2,200.00	\$4,400.00	\$1,800.00	\$3,600.00	\$1,400.00	\$2,800.00
66	SIGNAL DETECTOR LOOP, 6' X 8'	1 EACH	\$1,500.00	\$1,500.00	\$1,800.00	\$1,800.00	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00
TOTAL CONSTRUCTION COST				\$1,800,000.00		\$1,767,138.70		\$1,838,900.00		\$2,222,935.00
PERCENT OF ENGINEER'S ESTIMATE						-1.83%		+2.16%		+23.50%