



Date October 23, 2023

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON
E. UNIVERSITY AVENUE IMPROVEMENTS FROM E. 14TH STREET TO E. 17TH COURT;
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS OMG MIDWEST, INC. DBA DES MOINES ASPHALT & PAVING, KEVIN BRAGG, PRESIDENT, \$1,200,932.38**

WHEREAS, on September 11, 2023, under Roll Call No. 23-1225, 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:

E. University Avenue Improvements from E. 14th Street to E. 17th Court, Activity ID 062023013

The improvement includes placement of new High-Intensity Activated CrossWalk (HAWK) pedestrian signals, school flasher assemblies, Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) sidewalk and driveways, pavement removal, storm sewer improvements, pavement markings, traffic control, erosion control, surface restoration, and other incidental items, all in accordance with the contract documents, including Plan File No. 656-161/255, located on E. University Avenue from E. 14th Street to E. 17th Court and the intersection of E. 14th Street and Garfield Avenue 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 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:

- OMG Midwest, Inc. dba Des Moines Asphalt & Paving, Ankeny, IA - Low Bid
- TK Concrete, Inc., Pella, IA
- Jasper Construction Services, Inc., Newton, IA
- Shekar Engineering, P.L.C., Des Moines, IA
- Grimes Asphalt and Paving Corporation, Des Moines, IA
- InRoads, LLC, Des Moines, IA - Bid not read due to changes being made to proposal that were not initialed in accordance with SUDAS requirements

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 03, 2023. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

Date October 23, 2023

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 OMG Midwest, Inc. dba Des Moines Asphalt & Paving, Kevin Bragg, President, 2401 SE Tones Drive, Ste. 13, Ankeny, IA, 50021 in the amount of \$1,200,932.38, and said bid be and the same is hereby accepted.

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 responsive, 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.

(Council Communication No. 23-461 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE:

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN Funding Source: 2023-24 CIP, Page 163, East University - E. 14th St. to I-235, ST315, \$500,000 (Max) in Iowa DOT Traffic Safety Improvement Funds under CS-TSF-1945(871)--85-77 and the remaining \$700,932.38 in G.O. Bonds

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

CERTIFICATE

I, Laura Baumgartner, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, 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

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DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

06-2023-013

BID DATE: 10/3/2023

TABULATED BY: N. Smith
CHECKED BY: C. Kuhl

APPROVED BY: *Phillip J. Wagen*

CONTRACTOR'S BID TABULATION
PROJECT: E. University Avenue Improvements from E. 14th Street to E. 17th Court

-----ESTIMATE-----

OMG Midwest dba Des
Moines Asphalt and
Paving
Ankeny, IA

TK Concrete, Inc
Pella, IA

Jasper Construction
Services, Inc
Newton, 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	TOPSOIL, FURNISH AND SPREAD	20 CY	\$80.00	\$1,600.00	\$126.25	\$2,525.00	\$125.00	\$2,500.00	\$150.00	\$3,000.00
2	CLEANING AND PREPARATION OF BASE	0.53 MILE	\$6,000.00	\$3,180.00	\$7,500.00	\$3,975.00	\$13,500.00	\$7,155.00	\$11,200.00	\$5,936.00
3	REMOVAL OF CURB	6.00 STA	\$2,500.00	\$15,000.00	\$2,020.00	\$12,120.00	\$2,000.00	\$12,000.00	\$1,500.00	\$9,000.00
4	PAVEMENT SCARIFICATION	13475 SY	\$4.00	\$53,900.00	\$3.25	\$43,793.75	\$3.60	\$48,510.00	\$3.05	\$41,098.75
5	MEDIAN, DOWELLED P.C. CONCRETE, AS PER PLAN	339 SY	\$120.00	\$40,680.00	\$186.85	\$63,342.15	\$175.00	\$59,325.00	\$175.00	\$59,325.00
6	MEDIAN, P.C. CONCRETE, 10 IN. HMA HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL	64 SY	\$200.00	\$12,800.00	\$151.50	\$9,696.00	\$150.00	\$9,600.00	\$175.00	\$11,200.00
7	FRICITION REQUIREMENT	1560 TON	\$100.00	\$156,000.00	\$82.00	\$127,920.00	\$83.50	\$130,260.00	\$73.50	\$114,660.00
8	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC	94 TON	\$800.00	\$75,200.00	\$694.60	\$65,292.40	\$805.00	\$75,670.00	\$750.00	\$70,500.00
9	REMOVAL OF EXISTING STRUCTURES	1 LS	\$5,000.00	\$5,000.00	\$2,525.00	\$2,525.00	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00
10	MODULAR BLOCK RETAINING WALL	183 SF	\$65.00	\$11,895.00	\$49.50	\$9,058.50	\$65.00	\$11,895.00	\$49.00	\$8,967.00
11	INTAKE, SW-507, TOP ONLY	1 EACH	\$4,500.00	\$4,500.00	\$3,787.50	\$3,787.50	\$3,750.00	\$3,750.00	\$4,500.00	\$4,500.00
12	INTAKE, SW-507 MODIFIED	1 EACH	\$10,000.00	\$10,000.00	\$15,150.00	\$15,150.00	\$15,000.00	\$15,000.00	\$9,500.00	\$9,500.00
13	INTAKE, SW-509, TOP ONLY	1 EACH	\$5,500.00	\$5,500.00	\$3,787.50	\$3,787.50	\$3,750.00	\$3,750.00	\$6,000.00	\$6,000.00
14	INTAKE, SW-541 MODIFIED, TOP ONLY	1 EACH	\$12,000.00	\$12,000.00	\$3,787.50	\$3,787.50	\$3,750.00	\$3,750.00	\$7,000.00	\$7,000.00
15	MANHOLE ADJUSTMENT, MINOR	8 EACH	\$2,500.00	\$20,000.00	\$2,020.00	\$16,160.00	\$2,000.00	\$16,000.00	\$2,500.00	\$20,000.00
16	INTAKE ADJUSTMENT, MINOR	1 EACH	\$2,000.00	\$2,000.00	\$2,020.00	\$2,020.00	\$2,000.00	\$2,000.00	\$3,500.00	\$3,500.00
17	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN. STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR	9 LF	\$50.00	\$450.00	\$101.00	\$909.00	\$100.00	\$900.00	\$150.00	\$1,350.00
18	EQUAL TO 36 IN. DIA.	63 LF	\$90.00	\$5,670.00	\$126.25	\$7,953.75	\$125.00	\$7,875.00	\$75.00	\$4,725.00
19	REMOVAL OF PAVEMENT	190 SY	\$30.00	\$5,700.00	\$25.25	\$4,797.50	\$25.00	\$4,750.00	\$60.00	\$11,400.00
20	REMOVAL OF INTAKES AND UTILITY ACCESSSES	6 EACH	\$1,800.00	\$10,800.00	\$1,010.00	\$6,060.00	\$1,000.00	\$6,000.00	\$1,200.00	\$7,200.00
21	REMOVAL OF SIDEWALK	367 SY	\$20.00	\$7,340.00	\$15.15	\$5,560.05	\$15.00	\$5,505.00	\$25.00	\$9,175.00
22	SIDEWALK, P.C. CONCRETE, 5 IN.	317 SY	\$70.00	\$22,190.00	\$85.85	\$27,214.45	\$85.00	\$26,945.00	\$85.00	\$26,945.00
23	SIDEWALK, P.C. CONCRETE, 6 IN.	94 SY	\$90.00	\$8,460.00	\$116.15	\$10,918.10	\$115.00	\$10,810.00	\$100.00	\$9,400.00
24	DETECTABLE WARNINGS	210 SF	\$60.00	\$12,600.00	\$60.60	\$12,726.00	\$60.00	\$12,600.00	\$65.00	\$13,650.00
25	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	660 LF	\$60.00	\$39,600.00	\$50.50	\$33,330.00	\$50.00	\$33,000.00	\$40.00	\$26,400.00
26	CURB AND GUTTER, P.C. CONCRETE, 4.0 FT.	347 LF	\$70.00	\$24,290.00	\$95.50	\$33,138.50	\$95.00	\$32,965.00	\$60.00	\$20,820.00
27	CURB, SPECIAL, AS PER PLAN, BEAM CURB	36 LF	\$60.00	\$2,160.00	\$101.00	\$3,636.00	\$100.00	\$3,600.00	\$120.00	\$4,320.00
28	DRIVEWAY, P.C. CONCRETE, 7 IN.	199 SY	\$80.00	\$15,920.00	\$90.90	\$18,089.10	\$90.00	\$17,910.00	\$105.00	\$20,895.00
29	REMOVAL OF PAVED DRIVEWAY	199 SY	\$20.00	\$3,980.00	\$15.15	\$3,014.85	\$15.00	\$2,985.00	\$30.00	\$5,970.00
30	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	5.3 CY	\$3,500.00	\$18,550.00	\$1,515.00	\$8,029.50	\$1,500.00	\$7,950.00	\$1,500.00	\$7,950.00
31	REMOVAL AND REINSTALLATION OF FENCE, CHAIN LINK	28 LF	\$65.00	\$1,820.00	\$69.00	\$1,932.00	\$275.00	\$7,700.00	\$125.00	\$3,500.00
32	REMOVAL OF TYPE A SIGN	27 EACH	\$175.00	\$4,725.00	\$202.00	\$5,454.00	\$250.00	\$6,750.00	\$200.00	\$5,400.00
33	PERFORATED SQUARE STEEL TUBE POSTS	164 LF	\$25.00	\$4,100.00	\$35.35	\$5,797.40	\$50.00	\$8,200.00	\$35.00	\$5,740.00
34	TYPE A SIGNS, SHEET ALUMINUM	232 SF	\$45.00	\$10,440.00	\$35.35	\$8,201.20	\$50.00	\$11,600.00	\$35.00	\$8,120.00
35	TRAFFIC SIGNALIZATION	1 LS	\$350,000.00	\$350,000.00	\$370,000.00	\$370,000.00	\$390,000.00	\$390,000.00	\$400,000.00	\$400,000.00
36	REMOVAL OF TRAFFIC SIGNALIZATION	1 LS	\$15,000.00	\$15,000.00	\$6,325.00	\$6,325.00	\$8,750.00	\$8,750.00	\$7,500.00	\$7,500.00
37	CONSTRUCTION SURVEY	1 LS	\$15,000.00	\$15,000.00	\$14,140.00	\$14,140.00	\$18,200.00	\$18,200.00	\$20,000.00	\$20,000.00
38	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT- BASED, TEMPORARY	61.28 STA	\$75.00	\$4,596.00	\$85.85	\$5,260.89	\$100.00	\$6,128.00	\$85.00	\$5,208.80

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
39	PAINTED PAVEMENT MARKINGS, DURABLE	162.79 STA	\$200.00	\$32,558.00	\$126.25	\$20,562.24	\$150.00	\$24,418.50	\$125.00	\$20,348.75
40	PAINTED SYMBOLS AND LEGENDS, DURABLE	26 EACH	\$250.00	\$6,500.00	\$454.50	\$11,817.00	\$550.00	\$14,300.00	\$450.00	\$11,700.00
41	PAVEMENT MARKINGS REMOVED	27.45 STA	\$60.00	\$1,647.00	\$202.00	\$5,544.90	\$280.00	\$7,686.00	\$200.00	\$5,490.00
42	SYMBOLS AND LEGENDS REMOVED	4 EACH	\$150.00	\$600.00	\$126.25	\$505.00	\$200.00	\$800.00	\$125.00	\$500.00
43	SAFETY CLOSURE	14.00 EACH	\$250.00	\$3,500.00	\$151.50	\$2,121.00	\$200.00	\$2,800.00	\$150.00	\$2,100.00
44	TRAFFIC CONTROL	1 LS	\$40,000.00	\$40,000.00	\$34,239.00	\$34,239.00	\$44,000.00	\$44,000.00	\$50,000.00	\$50,000.00
45	FLAGGERS	12 EACH	\$575.00	\$6,900.00	\$515.00	\$6,180.00	\$600.00	\$7,200.00	\$575.00	\$6,900.00
46	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	42 CDAY	\$165.00	\$6,930.00	\$151.50	\$6,363.00	\$200.00	\$8,400.00	\$150.00	\$6,300.00
47	PATCHES, FULL-DEPTH FINISH, BY AREA	211 SY	\$300.00	\$63,300.00	\$151.50	\$31,966.50	\$150.00	\$31,650.00	\$200.00	\$42,200.00
48	PATCHES, FULL-DEPTH FINISH, BY COUNT	18 EACH	\$600.00	\$10,800.00	\$126.25	\$2,272.50	\$125.00	\$2,250.00	\$500.00	\$9,000.00
49	MOBILIZATION	1 LS	\$102,699.00	\$102,699.00	\$87,250.00	\$87,250.00	\$94,000.00	\$94,000.00	\$136,000.00	\$136,000.00
50	DELIVER AND STOCKPILE SALVAGED MATERIALS	1 LS	\$2,500.00	\$2,500.00	\$3,030.00	\$3,030.00	\$2,500.00	\$2,500.00	\$4,000.00	\$4,000.00
51	SODDING	16 SQ	\$120.00	\$1,920.00	\$247.45	\$3,959.20	\$187.50	\$3,000.00	\$275.00	\$4,400.00
52	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA. REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK	1000 LF	\$3.00	\$3,000.00	\$3.50	\$3,500.00	\$3.00	\$3,000.00	\$2.50	\$2,500.00
53	SEDIMENT CONTROL DEVICE	1000 LF	\$1.00	\$1,000.00	\$0.50	\$500.00	\$1.50	\$1,500.00	\$0.25	\$250.00
54	MOBILIZATIONS, EROSION CONTROL	5 EACH	\$500.00	\$2,500.00	\$550.00	\$2,750.00	\$500.00	\$2,500.00	\$445.00	\$2,225.00
55	MOBILIZATIONS, EMERGENCY EROSION CONTROL	1 EACH	\$1,000.00	\$1,000.00	\$954.45	\$954.45	\$1,000.00	\$1,000.00	\$445.00	\$445.00
TOTAL CONSTRUCTION COST				\$1,300,000.00		\$1,200,932.38		\$1,285,792.50		\$1,309,214.30
PERCENT OF ENGINEER'S ESTIMATE						-7.62%		-1.09%		+0.71%
						Low				

BID DATE: 10/3/2023

TABULATED BY: N. Smith APPROVED BY: *Phillip J. Wagon*
CHECKED BY: C. Kuhl

Shekar Engineering, PLC
Des Moines, IA

Grimes Asphalt and Paving
Corporation
Des Moines, IA

CONTRACTOR'S BID TABULATION

PROJECT: E. University Avenue Improvements from E. 14th Street to E. 17th Court

BID SECURITY
10% BID BOND

BID SECURITY
10% BID BOND

-----ESTIMATE-----

BID PRICE

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	TOPSOIL, FURNISH AND SPREAD	20 CY	\$80.00	\$1,600.00	\$100.00	\$2,000.00	\$550.00	\$11,000.00
2	CLEANING AND PREPARATION OF BASE	0.53 MILE	\$6,000.00	\$3,180.00	\$5,720.00	\$3,031.60	\$11,200.00	\$5,936.00
3	REMOVAL OF CURB	6.00 STA	\$2,500.00	\$15,000.00	\$450.00	\$2,700.00	\$2,300.00	\$13,800.00
4	PAVEMENT SCARIFICATION	13475 SY	\$4.00	\$53,900.00	\$3.91	\$52,687.25	\$3.05	\$41,098.75
5	MEDIAN, DOWELLED P.C. CONCRETE, AS PER PLAN	339 SY	\$120.00	\$40,680.00	\$155.06	\$52,565.34	\$153.00	\$51,867.00
6	MEDIAN, P.C. CONCRETE, 10 IN. HMA HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL	64 SY	\$200.00	\$12,800.00	\$178.92	\$11,450.88	\$170.00	\$10,880.00
7	FRICITION REQUIREMENT	1560 TON	\$100.00	\$156,000.00	\$84.70	\$132,132.00	\$73.50	\$114,660.00
8	ASPHALT BINDER, PG 58-28H, HIGH TRAFFIC	94 TON	\$800.00	\$75,200.00	\$776.60	\$73,000.40	\$750.00	\$70,500.00
9	REMOVAL OF EXISTING STRUCTURES	1 LS	\$5,000.00	\$5,000.00	\$3,850.00	\$3,850.00	\$2,800.00	\$2,800.00
10	MODULAR BLOCK RETAINING WALL	183 SF	\$65.00	\$11,895.00	\$110.00	\$20,130.00	\$59.00	\$10,797.00
11	INTAKE, SW-507, TOP ONLY	1 EACH	\$4,500.00	\$4,500.00	\$3,500.00	\$3,500.00	\$6,500.00	\$6,500.00
12	INTAKE, SW-507 MODIFIED	1 EACH	\$10,000.00	\$10,000.00	\$7,800.00	\$7,800.00	\$18,300.00	\$18,300.00
13	INTAKE, SW-509, TOP ONLY	1 EACH	\$5,500.00	\$5,500.00	\$3,750.00	\$3,750.00	\$6,600.00	\$6,600.00
14	INTAKE, SW-541 MODIFIED, TOP ONLY	1 EACH	\$12,000.00	\$12,000.00	\$4,750.00	\$4,750.00	\$9,500.00	\$9,500.00
15	MANHOLE ADJUSTMENT, MINOR	8 EACH	\$2,500.00	\$20,000.00	\$2,450.00	\$19,600.00	\$2,400.00	\$19,200.00
16	INTAKE ADJUSTMENT, MINOR	1 EACH	\$2,000.00	\$2,000.00	\$1,950.00	\$1,950.00	\$2,850.00	\$2,850.00
17	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN. STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR	9 LF	\$50.00	\$450.00	\$225.00	\$2,025.00	\$147.00	\$1,323.00
18	EQUAL TO 36 IN. DIA.	63 LF	\$90.00	\$5,670.00	\$137.50	\$8,662.50	\$141.00	\$8,883.00
19	REMOVAL OF PAVEMENT	190 SY	\$30.00	\$5,700.00	\$22.50	\$4,275.00	\$80.00	\$15,200.00
20	REMOVAL OF INTAKES AND UTILITY ACCESSES	6 EACH	\$1,800.00	\$10,800.00	\$2,250.00	\$13,500.00	\$800.00	\$4,800.00
21	REMOVAL OF SIDEWALK	367 SY	\$20.00	\$7,340.00	\$15.00	\$5,505.00	\$31.00	\$11,377.00
22	SIDEWALK, P.C. CONCRETE, 5 IN.	317 SY	\$70.00	\$22,190.00	\$71.98	\$22,817.66	\$119.00	\$37,723.00
23	SIDEWALK, P.C. CONCRETE, 6 IN.	94 SY	\$90.00	\$8,460.00	\$79.61	\$7,483.34	\$240.00	\$22,560.00
24	DETECTABLE WARNINGS	210 SF	\$60.00	\$12,600.00	\$65.00	\$13,650.00	\$89.00	\$18,690.00
25	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	660 LF	\$60.00	\$39,600.00	\$47.24	\$31,178.40	\$87.00	\$57,420.00
26	CURB AND GUTTER, P.C. CONCRETE, 4.0 FT.	347 LF	\$70.00	\$24,290.00	\$60.68	\$21,055.96	\$82.00	\$28,454.00
27	CURB, SPECIAL, AS PER PLAN, BEAM CURB	36 LF	\$60.00	\$2,160.00	\$49.77	\$1,791.72	\$140.00	\$5,040.00
28	DRIVEWAY, P.C. CONCRETE, 7 IN.	199 SY	\$80.00	\$15,920.00	\$83.66	\$16,648.34	\$110.00	\$21,890.00
29	REMOVAL OF PAVED DRIVEWAY	199 SY	\$20.00	\$3,980.00	\$13.50	\$2,686.50	\$54.00	\$10,746.00
30	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	5.3 CY	\$3,500.00	\$18,550.00	\$1,644.13	\$8,713.89	\$2,100.00	\$11,130.00
31	REMOVAL AND REINSTALLATION OF FENCE, CHAIN LINK	28 LF	\$65.00	\$1,820.00	\$149.69	\$4,191.32	\$160.00	\$4,480.00
32	REMOVAL OF TYPE A SIGN	27 EACH	\$175.00	\$4,725.00	\$220.00	\$5,940.00	\$177.00	\$4,779.00
33	PERFORATED SQUARE STEEL TUBE POSTS	164 LF	\$25.00	\$4,100.00	\$38.50	\$6,314.00	\$47.00	\$7,708.00
34	TYPE A SIGNS, SHEET ALUMINUM	232 SF	\$45.00	\$10,440.00	\$38.50	\$8,932.00	\$40.00	\$9,280.00
35	TRAFFIC SIGNALIZATION	1 LS	\$350,000.00	\$350,000.00	\$413,509.80	\$413,509.80	\$442,000.00	\$442,000.00
36	REMOVAL OF TRAFFIC SIGNALIZATION	1 LS	\$15,000.00	\$15,000.00	\$6,358.00	\$6,358.00	\$6,825.00	\$6,825.00
37	CONSTRUCTION SURVEY PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT- BASED, TEMPORARY	1 LS	\$15,000.00	\$15,000.00	\$21,000.00	\$21,000.00	\$16,500.00	\$16,500.00
38		61.28 STA	\$75.00	\$4,596.00	\$93.50	\$5,729.68	\$135.00	\$8,272.80

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
39	PAINTED PAVEMENT MARKINGS, DURABLE	162.79 STA	\$200.00	\$32,558.00	\$137.50	\$22,383.63	\$229.00	\$37,278.91
40	PAINTED SYMBOLS AND LEGENDS, DURABLE	26 EACH	\$250.00	\$6,500.00	\$495.00	\$12,870.00	\$282.00	\$7,332.00
41	PAVEMENT MARKINGS REMOVED	27.45 STA	\$60.00	\$1,647.00	\$220.00	\$6,039.00	\$129.00	\$3,541.05
42	SYMBOLS AND LEGENDS REMOVED	4 EACH	\$150.00	\$600.00	\$137.50	\$550.00	\$118.00	\$472.00
43	SAFETY CLOSURE	14.00 EACH	\$250.00	\$3,500.00	\$165.00	\$2,310.00	\$235.00	\$3,290.00
44	TRAFFIC CONTROL	1 LS	\$40,000.00	\$40,000.00	\$42,570.00	\$42,570.00	\$91,800.00	\$91,800.00
45	FLAGGERS	12 EACH	\$575.00	\$6,900.00	\$850.00	\$10,200.00	\$765.00	\$9,180.00
46	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	42 CDAY	\$165.00	\$6,930.00	\$165.00	\$6,930.00	\$235.00	\$9,870.00
47	PATCHES, FULL-DEPTH FINISH, BY AREA	211 SY	\$300.00	\$63,300.00	\$146.64	\$30,941.04	\$215.00	\$45,365.00
48	PATCHES, FULL-DEPTH FINISH, BY COUNT	18 EACH	\$600.00	\$10,800.00	\$2,942.07	\$52,957.26	\$60.00	\$1,080.00
49	MOBILIZATION	1 LS	\$102,699.00	\$102,699.00	\$87,479.00	\$87,479.00	\$40,500.00	\$40,500.00
50	DELIVER AND STOCKPILE SALVAGED MATERIALS	1 LS	\$2,500.00	\$2,500.00	\$2,200.00	\$2,200.00	\$2,400.00	\$2,400.00
51	SODDING	16 SQ	\$120.00	\$1,920.00	\$385.00	\$6,160.00	\$290.00	\$4,640.00
52	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA. REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK	1000 LF	\$3.00	\$3,000.00	\$2.75	\$2,750.00	\$4.00	\$4,000.00
53	SEDIMENT CONTROL DEVICE	1000 LF	\$1.00	\$1,000.00	\$0.55	\$550.00	\$0.50	\$500.00
54	MOBILIZATIONS, EROSION CONTROL	5 EACH	\$500.00	\$2,500.00	\$660.00	\$3,300.00	\$525.00	\$2,625.00
55	MOBILIZATIONS, EMERGENCY EROSION CONTROL	1 EACH	\$1,000.00	\$1,000.00	\$1,320.00	\$1,320.00	\$1,200.00	\$1,200.00
TOTAL CONSTRUCTION COST				\$1,300,000.00		\$1,318,375.51		\$1,416,443.51
PERCENT OF ENGINEER'S ESTIMATE						+1.41%		+17.95%