



**Date** February 05, 2024

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON INGERSOLL AVENUE IMPROVEMENTS FROM 28TH STREET TO 31ST STREET; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS CORELL CONTRACTOR, INC., GRANT S. CORELL, PRESIDENT, \$3,327,667.15**

WHEREAS, on January 08, 2024, under Roll Call No. 24-0020, 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:

Ingersoll Avenue Improvements from 28th Street to 31st Street, Activity ID 042023005

The improvement includes construction of Portland Cement Concrete (PCC) sidewalks, driveways, pavement, colored concrete, and Hot Mix Asphalt (HMA) paving, together with the necessary removals, earthwork, erosion control, subdrains, storm sewers, water services, traffic control, traffic signals, conduit, site furnishings, plantings, permeable pavers, and surface restoration, all in accordance with the contract documents, including Plan File No. 658-246/376 located on Ingersoll Avenue from 28th Street to 31st Street, 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:

- Corell Contractor, Inc., West Des Moines, IA - Low Bid
- TK Concrete, Inc., Pella, IA
- Jasper Construction Services, Inc., Newton, IA
- Shekar Engineering, P.L.C., Des Moines, IA
- J & K Contracting, LLC, Urbandale, 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 January 23, 2024. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



Date February 05, 2024

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 Corell Contractor, Inc., Grant S. Corell, President, 1300 Lincoln Street, West Des Moines, IA, 50265 in the amount of \$3,327,667.15, 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 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.

(Council Communication No. 24049 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



Funding Source: 2023-24 CIP, Page 129, Ingersoll Streetscape, ST276, Tax Increment Funding Bonds

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
COLEMAN				
GATTO				
MANDELBAUM				
VOSS				
WESTERGAARD				
TOTAL				
MOTION CARRIED			APPROVED	
_____ Mayor				

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.

\_\_\_\_\_  
City Clerk

TABULATED BY: N. Smith  
CHECKED BY: CKK

APPROVED BY: *Phillip J. Wagner*

Corell Contractor, Inc.  
West Des Moines, IA

TK Concrete, Inc.  
Pella, IA

Jasper Construction  
Services, Inc.  
Newton, IA

Shekar Engineering, P.L.C.  
Des Moines, IA

J & K Contracting, LLC  
Urbandale, IA

**CONTRACTOR'S BID TABULATION**

PROJECT: INGERSOLL AVENUE IMPROVEMENTS FROM 28TH STREET TO 31ST STREET

BID SECURITY  
10% Bid Bond

BID SECURITY  
10% Bid Bond

BID SECURITY  
10% Bid Bond

BID SECURITY  
10% Bid Bond

BID SECURITY  
10% Bid Bond

ESTIMATE				BID PRICE		BID PRICE		BID PRICE		BID PRICE		BID PRICE		
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0001	CLEARING & GRUBBING	7.8 UNIT	\$125.00	\$975.00	\$80.00	\$624.00	\$350.00	\$2,730.00	\$300.00	\$2,340.00	\$600.00	\$4,680.00	\$2,000.00	\$15,600.00
0002	EXCAVATION, CLASS 10, WASTE	4200 CY	\$40.00	\$168,000.00	\$29.00	\$121,800.00	\$25.00	\$105,000.00	\$40.00	\$168,000.00	\$21.60	\$90,720.00	\$50.00	\$210,000.00
0003	SUBGRADE PREPARATION, 6"	10543 SY	\$8.00	\$84,344.00	\$3.00	\$31,629.00	\$3.00	\$31,629.00	\$5.00	\$52,715.00	\$3.60	\$37,954.80	\$9.00	\$94,887.00
0004	SUBGRADE TREATMENT, GEOGRID, TYPE 2	1180 SY	\$5.00	\$5,900.00	\$4.25	\$5,015.00	\$5.00	\$5,900.00	\$4.00	\$4,720.00	\$7.20	\$8,496.00	\$6.00	\$7,080.00
0005	SUBBASE, MODIFIED SUBBASE, 4"	1269 SY	\$22.00	\$27,918.00	\$14.00	\$17,766.00	\$10.00	\$12,690.00	\$12.00	\$15,228.00	\$12.00	\$15,228.00	\$15.00	\$19,035.00
0006	SUBBASE, MODIFIED SUBBASE, 12"	7361 SY	\$40.00	\$294,440.00	\$24.50	\$180,344.50	\$22.50	\$165,622.50	\$30.00	\$220,830.00	\$23.40	\$172,247.40	\$30.00	\$220,830.00
0007	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500 CY	\$65.00	\$32,500.00	\$70.00	\$35,000.00	\$75.00	\$37,500.00	\$5.00	\$2,500.00	\$60.00	\$30,000.00	\$50.00	\$25,000.00
0008	STORM SEWER, TRENCHED, 15"	996 LF	\$180.00	\$179,280.00	\$120.00	\$119,520.00	\$115.00	\$114,540.00	\$85.00	\$84,660.00	\$144.00	\$143,424.00	\$85.00	\$84,660.00
0009	STORM SEWER, TRENCHED, 18"	6 LF	\$180.00	\$1,080.00	\$255.00	\$1,530.00	\$400.00	\$2,400.00	\$175.00	\$1,050.00	\$222.00	\$1,332.00	\$175.00	\$1,050.00
0010	STORM SEWER, TRENCHED, 24"	8 LF	\$225.00	\$1,800.00	\$425.00	\$3,400.00	\$450.00	\$3,600.00	\$220.00	\$1,760.00	\$264.00	\$2,112.00	\$220.00	\$1,760.00
0011	REMOVAL OF STORM SEWER, LESS THAN 36" DIAMETER	96 LF	\$35.00	\$3,360.00	\$46.00	\$4,416.00	\$40.00	\$3,840.00	\$25.00	\$2,400.00	\$30.00	\$2,400.00	\$25.00	\$2,400.00
0012	SUBDRAIN, 6"	2679 LF	\$35.00	\$93,765.00	\$21.00	\$56,259.00	\$20.00	\$53,580.00	\$30.00	\$80,370.00	\$24.00	\$64,296.00	\$15.00	\$40,185.00
0013	SUBDRAIN CLEANOUT, TYPE A-1	2 EA	\$1,200.00	\$2,400.00	\$700.00	\$1,400.00	\$750.00	\$1,500.00	\$1,600.00	\$3,200.00	\$1,920.00	\$3,840.00	\$1,600.00	\$3,200.00
0014	SUBDRAIN, OUTLETS AND CONNECTIONS	30 EA	\$1,000.00	\$30,000.00	\$450.00	\$13,500.00	\$500.00	\$15,000.00	\$450.00	\$13,500.00	\$540.00	\$16,200.00	\$450.00	\$13,500.00
0015	MANHOLE, SW-303, 48"	3 EA	\$7,500.00	\$22,500.00	\$20,000.00	\$60,000.00	\$9,750.00	\$29,250.00	\$16,500.00	\$49,500.00	\$21,600.00	\$64,800.00	\$16,500.00	\$49,500.00
0016	MANHOLE, SW-402, 48"	11 EA	\$7,500.00	\$82,500.00	\$7,725.00	\$84,975.00	\$104,500.00	\$104,500.00	\$14,000.00	\$154,000.00	\$19,200.00	\$211,200.00	\$14,000.00	\$154,000.00
0017	MANHOLE, SW-402, 60"	1 EA	\$11,500.00	\$11,500.00	\$9,400.00	\$9,400.00	\$15,000.00	\$15,000.00	\$14,000.00	\$14,000.00	\$19,200.00	\$19,200.00	\$14,000.00	\$14,000.00
0018	INTAKE, SW-501	5 EA	\$9,000.00	\$45,000.00	\$4,500.00	\$22,500.00	\$7,000.00	\$35,000.00	\$6,000.00	\$30,000.00	\$7,200.00	\$36,000.00	\$6,000.00	\$30,000.00
0019	INTAKE, SW-505	5 EA	\$12,000.00	\$60,000.00	\$6,450.00	\$32,250.00	\$8,500.00	\$42,500.00	\$9,500.00	\$47,500.00	\$11,400.00	\$57,000.00	\$9,500.00	\$47,500.00
0020	INTAKE, SW-506, MODIFIED	2 EA	\$14,000.00	\$28,000.00	\$12,500.00	\$25,000.00	\$15,000.00	\$30,000.00	\$15,000.00	\$30,000.00	\$18,000.00	\$36,000.00	\$15,000.00	\$30,000.00
0021	MANHOLE ADJUSTMENT, MINOR	8 EA	\$3,000.00	\$24,000.00	\$1,450.00	\$11,600.00	\$2,000.00	\$16,000.00	\$2,500.00	\$20,000.00	\$4,200.00	\$33,600.00	\$2,500.00	\$20,000.00
0022	REMOVE INTAKE	16 EA	\$2,500.00	\$40,000.00	\$4,000.00	\$64,000.00	\$650.00	\$10,400.00	\$1,200.00	\$19,200.00	\$1,080.00	\$17,280.00	\$900.00	\$14,400.00
0023	REMOVE MANHOLE	3 EA	\$2,500.00	\$7,500.00	\$7,750.00	\$23,250.00	\$1,000.00	\$3,000.00	\$2,100.00	\$6,300.00	\$2,160.00	\$6,480.00	\$1,800.00	\$5,400.00
0024	PAVEMENT, PCC, 9"	688 SY	\$175.00	\$120,400.00	\$94.50	\$65,016.00	\$125.00	\$86,000.00	\$185.00	\$127,280.00	\$102.39	\$70,444.32	\$230.00	\$158,240.00
0025	PAVEMENT, INTEGRAL COLOR PCC, 8"	257 SY	\$180.00	\$46,260.00	\$157.00	\$40,349.00	\$140.00	\$35,980.00	\$165.00	\$42,405.00	\$132.48	\$34,047.36	\$210.00	\$53,970.00
0026	PAVEMENT, HMA, 9"	5458 SY	\$66.00	\$360,228.00	\$54.60	\$298,068.00	\$60.00	\$327,480.00	\$52.00	\$283,816.00	\$72.00	\$392,976.00	\$80.00	\$436,640.00
0027	CURB AND GUTTER, 2.5', 9"	45 LF	\$35.00	\$1,575.00	\$47.00	\$2,115.00	\$55.00	\$2,475.00	\$65.00	\$2,925.00	\$75.00	\$3,375.00	\$320.00	\$14,400.00
0028	PAVEMENT, ASPHALT, SURFACE, ST	40 TON	\$125.00	\$5,000.00	\$231.00	\$9,240.00	\$300.00	\$12,000.00	\$220.00	\$8,800.00	\$222.00	\$8,880.00	\$230.00	\$9,200.00
0029	HMA PAVEMENT SAMPLES AND TESTING	1 LS	\$2,500.00	\$2,500.00	\$2,625.00	\$2,625.00	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$1,620.00	\$1,620.00	\$1,800.00	\$1,800.00
0030	REMOVAL OF SIDEWALK	872.6 SY	\$20.00	\$17,452.00	\$32.00	\$27,923.20	\$15.00	\$13,089.00	\$20.00	\$17,452.00	\$18.00	\$15,706.80	\$30.00	\$26,178.00
0031	REMOVAL OF CURB	110 LF	\$10.00	\$1,100.00	\$30.00	\$3,300.00	\$25.00	\$2,750.00	\$25.00	\$2,750.00	\$12.00	\$1,320.00	\$60.00	\$6,600.00
0032	SIDEWALK, PCC, 5"	537.8 SY	\$105.00	\$56,469.00	\$52.50	\$28,234.50	\$85.00	\$45,713.00	\$100.00	\$53,780.00	\$60.25	\$32,402.45	\$125.00	\$67,225.00
0033	SIDEWALK, PCC, 6"	172 SY	\$120.00	\$20,640.00	\$68.25	\$11,739.00	\$100.00	\$17,200.00	\$105.00	\$18,060.00	\$120.42	\$20,712.24	\$125.00	\$21,500.00
0034	SIDEWALK, INTEGRAL COLOR PCC, 6"	1194 SY	\$155.00	\$185,070.00	\$89.00	\$106,266.00	\$120.00	\$143,280.00	\$165.00	\$197,010.00	\$111.52	\$133,154.88	\$210.00	\$250,740.00
0035	SIDEWALK, INTEGRAL COLOR PCC, 6", CLASS A	75 SY	\$210.00	\$15,750.00	\$105.00	\$7,875.00	\$120.00	\$9,000.00	\$200.00	\$15,000.00	\$135.82	\$10,186.50	\$210.00	\$15,750.00
0036	SIDEWALK, PCC, CLASS A	736 SY	\$160.00	\$117,760.00	\$89.25	\$65,688.00	\$110.00	\$80,960.00	\$160.00	\$117,760.00	\$96.12	\$70,744.32	\$185.00	\$136,160.00
0037	DETECTABLE WARNINGS	516 SF	\$75.00	\$38,700.00	\$57.75	\$29,799.00	\$55.00	\$28,380.00	\$75.00	\$38,700.00	\$70.00	\$36,120.00	\$100.00	\$51,600.00
0038	DRIVEWAY, PAVED, PCC, 8"	1185 SY	\$130.00	\$153,985.00	\$79.00	\$93,575.50	\$90.00	\$106,605.00	\$95.00	\$112,527.50	\$75.42	\$89,334.99	\$155.00	\$183,597.50
0039	SIDEWALK DEEP PENETRATING WATER REPELLANT	32895 SF	\$1.20	\$39,474.00	\$1.00	\$32,895.00	\$1.00	\$32,895.00	\$1.75	\$57,566.25	\$1.25	\$41,118.75	\$2.50	\$82,237.50
0040	TEMP DRIVEWAY, HMA MILLINGS	3000 TONS	\$50.00	\$150,000.00	\$45.00	\$135,000.00	\$30.00	\$90,000.00	\$35.00	\$105,000.00	\$54.00	\$162,000.00	\$25.00	\$75,000.00
0041	MILLING	292 SY	\$5.00	\$1,460.00	\$5.25	\$1,522.50	\$7.00	\$19,540.00	\$1.50	\$4,180.00	\$4.20	\$11,726.40	\$5.00	\$13,960.00
0042	MILLING FOR TRAFFIC CONTROL	4235 SY	\$20.00	\$84,700.00	\$7.35	\$31,127.25	\$8.00	\$33,880.00	\$8.00	\$33,880.00	\$4.20	\$17,784.00	\$5.00	\$21,175.00
0043	PAVEMENT REMOVAL	7426 SY	\$25.00	\$185,655.00	\$17.50	\$129,958.50	\$15.00	\$111,393.00	\$30.00	\$222,786.00	\$18.00	\$133,671.60	\$20.00	\$148,524.00
0044	ENGINEERING FABRIC	470 SY	\$25.00	\$11,750.00	\$4.00	\$1,880.00	\$6.00	\$2,820.00	\$20.00	\$9,400.00	\$4.80	\$2,256.00	\$8.00	\$3,760.00
0045	STORAGE AGGREGATE	155 TON	\$90.00	\$13,950.00	\$70.00	\$10,850.00	\$40.00	\$6,200.00	\$50.00	\$7,750.00	\$80.82	\$12,527.10	\$40.00	\$6,200.00
0046	FILTER AGGREGATE	525 TON	\$90.00	\$47,250.00	\$70.00	\$36,750.00	\$60.00	\$31,500.00	\$55.00	\$28,275.00	\$83.94	\$44,068.50	\$100.00	\$55,500.00
0047	PERMEABLE INTERLOCKING PAVERS	470 SY	\$85.00	\$39,950.00	\$73.00	\$34,310.00	\$85.00	\$39,950.00	\$70.00	\$32,900.00	\$112.80	\$53,016.00	\$120.00	\$56,400.00
0048	REMOVAL OF TROLLEY TRACKS	2646 LF	\$50.00	\$132,300.00	\$42.00	\$111,132.00	\$15.00	\$39,690.00	\$1.00	\$2,646.00	\$12.00	\$31,752.00	\$40.00	\$105,840.00
0049	TRAFFIC SIGNALIZATION	1 LS	\$81,000.00	\$81,000.00	\$75,540.00	\$75,540.00	\$82,000.00	\$82,000.00	\$75,000.00	\$75,000.00	\$83,476.80	\$83,476.80	\$91,600.00	\$91,600.00
0050	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	64 STA	\$175.00	\$11,200.00	\$126.00	\$8,064.00	\$115.00	\$7,360.00	\$20.00	\$1,280.00	\$120.00	\$7,680.00	\$155.00	\$9,920.00
0051	PAINTED PAVEMENT MARKINGS, DURABLE	62 STA	\$650.00	\$40,300.00	\$294.00	\$18,228.00	\$300.00	\$18,600.00	\$235.00	\$14,570.00	\$300.00	\$18,600.00	\$360.00	\$22,320.00
0052	WET, RETROFLECTIVE REMOVABLE TAPE MARKINGS	64 STA	\$150.00	\$9,600.00	\$210.00	\$13,440.00	\$190.00	\$12,160.00	\$100.00	\$6,400.00	\$180.00	\$11,520.00	\$260.00	\$16,640.00
0053	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE	21 EA	\$150.00	\$3,150.00	\$105.00	\$2,205.00	\$190.00	\$3,990.00	\$75.00	\$1,575.00	\$180.00	\$3,780.00	\$130.00	\$2,730.00
0054	PAINTED SYMBOLS AND LEGENDS, EPOXY	6 EA	\$225.00	\$1,350.00	\$220.00	\$1,320.00	\$650.00	\$3,900.00	\$250.00	\$1,500.00	\$660.00	\$3,960.00	\$270.00	\$1,620.00
0055	PRE-CUT SYMBOLS AND LEGENDS	21 EA	\$500.00	\$10,500.00	\$475.00	\$9,975.00	\$550.00	\$11,550.00	\$450.00	\$9,450.00	\$540.00	\$11,340.00	\$580.00	\$12,180.00

39

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0056	PAVEMENT MARKINGS REMOVED	11.7 STA	\$110.00	\$1,287.00	\$147.00	\$1,719.90	\$350.00	\$4,095.00	\$550.00	\$6,435.00	\$300.00	\$3,510.00	\$180.00	\$2,106.00
0057	SYMBOLS AND LEGENDS REMOVED	6 EA	\$550.00	\$3,300.00	\$105.00	\$630.00	\$250.00	\$1,500.00	\$350.00	\$2,100.00	\$180.00	\$1,080.00	\$130.00	\$780.00
0058	GROOVES CUT FOR PAVEMENT MARKINGS	62 STA	\$75.00	\$4,650.00	\$100.00	\$6,200.00	\$250.00	\$15,500.00	\$200.00	\$12,400.00	\$240.00	\$14,880.00	\$125.00	\$7,750.00
0059	GROOVES CUT FOR SYMBOLS AND LEGENDS	21 EA	\$330.00	\$6,930.00	\$240.00	\$5,040.00	\$250.00	\$5,250.00	\$275.00	\$5,775.00	\$240.00	\$5,040.00	\$300.00	\$6,300.00
0060	TEMPORARY TRAFFIC CONTROL	1 LS	\$120,000.00	\$120,000.00	\$83,475.00	\$83,475.00	\$92,000.00	\$92,000.00	\$197,000.00	\$197,000.00	\$111,000.00	\$111,000.00	\$102,500.00	\$102,500.00
0061	PORTABLE DYNAMIC MESSAGE SIGN	21 CDAY	\$160.00	\$3,360.00	\$210.00	\$4,410.00	\$250.00	\$5,250.00	\$250.00	\$5,250.00	\$240.00	\$5,040.00	\$300.00	\$6,300.00
0062	DAILY LANE CLOSURE	14 DAY	\$550.00	\$7,700.00	\$1,050.00	\$14,700.00	\$2,000.00	\$28,000.00	\$250.00	\$3,500.00	\$2,220.00	\$31,080.00	\$1,300.00	\$18,200.00
0063	TRAFFIC SIGNS, SHEET ALUMINUM	85 SF	\$40.00	\$3,400.00	\$42.00	\$3,570.00	\$55.00	\$4,675.00	\$45.00	\$3,825.00	\$48.00	\$4,080.00	\$50.00	\$4,250.00
0064	ROUND STEEL POSTS	170 LF	\$25.00	\$4,250.00	\$31.50	\$5,355.00	\$55.00	\$9,350.00	\$15.00	\$2,550.00	\$54.00	\$9,180.00	\$40.00	\$6,800.00
0065	CURB DELINEATOR SIGNS	21 EA	\$500.00	\$10,500.00	\$262.00	\$5,502.00	\$350.00	\$7,350.00	\$275.00	\$5,775.00	\$360.00	\$7,560.00	\$320.00	\$6,720.00
0066	MEDIAN SIGNS	4 EA	\$500.00	\$2,000.00	\$262.00	\$1,048.00	\$500.00	\$2,000.00	\$2,250.00	\$9,000.00	\$420.00	\$1,680.00	\$320.00	\$1,280.00
0067	TEMPORARY BARRIER RAIL, CONCRETE	1138 LF	\$40.00	\$45,500.00	\$42.00	\$47,775.00	\$35.00	\$39,812.50	\$0.50	\$568.75	\$36.00	\$40,950.00	\$50.00	\$56,875.00
0068	TEMPORARY BUSINESS SIGNS, SHEET ALUMINUM	330 SF	\$10.00	\$3,300.00	\$21.00	\$6,930.00	\$55.00	\$18,150.00	\$18.00	\$5,940.00	\$54.00	\$17,820.00	\$25.00	\$8,250.00
0069	SIGN REMOVAL	25 EA	\$150.00	\$3,750.00	\$105.00	\$2,625.00	\$275.00	\$6,875.00	\$75.00	\$1,875.00	\$270.00	\$6,750.00	\$130.00	\$3,250.00
0070	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHIN	1 AC	\$4,000.00	\$4,000.00	\$4,950.00	\$4,950.00	\$7,000.00	\$7,000.00	\$200.00	\$200.00	\$7,140.00	\$7,140.00	\$7,700.00	\$7,700.00
0071	STORM WATER POLLUTION PREVENTION	1 LS	\$5,000.00	\$5,000.00	\$7,975.00	\$7,975.00	\$9,250.00	\$9,250.00	\$25,000.00	\$25,000.00	\$5,580.00	\$5,580.00	\$6,000.00	\$6,000.00
0072	FILTER SOCKS, 12"	2000 LF	\$4.00	\$8,000.00	\$2.75	\$5,500.00	\$3.25	\$6,500.00	\$0.10	\$200.00	\$3.30	\$6,600.00	\$3.50	\$7,000.00
0073	INLET PROTECTION DEVICE, DROP-IN	12 EA	\$250.00	\$3,000.00	\$220.00	\$2,640.00	\$250.00	\$3,000.00	\$200.00	\$2,400.00	\$216.00	\$2,592.00	\$230.00	\$2,760.00
0074	INLET PROTECTION DEVICE MAINTENANCE	12 EA	\$100.00	\$1,200.00	\$82.50	\$990.00	\$100.00	\$1,200.00	\$5.00	\$60.00	\$42.00	\$504.00	\$45.00	\$540.00
0075	ORANGE SAFETY FENCE (RIGID)	1837 LF	\$10.00	\$18,370.00	\$26.00	\$47,762.00	\$8.00	\$14,696.00	\$0.10	\$183.70	\$15.00	\$27,555.00	\$35.00	\$64,295.00
0076	TEMPORARY CHAIN LINK FENCE	6702 LF	\$5.00	\$33,510.00	\$6.00	\$40,212.00	\$7.50	\$50,265.00	\$0.10	\$670.20	\$11.10	\$74,392.20	\$10.00	\$67,020.00
0077	BIKE RACK	12 EA	\$800.00	\$9,600.00	\$880.00	\$10,560.00	\$1,000.00	\$12,000.00	\$1,350.00	\$16,200.00	\$5,250.00	\$63,000.00	\$2,500.00	\$30,000.00
0078	BIKER BAR	3 EA	\$1,500.00	\$4,500.00	\$1,000.00	\$3,000.00	\$2,000.00	\$6,000.00	\$2,500.00	\$7,500.00	\$3,750.00	\$11,250.00	\$3,500.00	\$10,500.00
0079	FIX UNIT PAVERS	798 SF	\$20.00	\$15,960.00	\$22.00	\$17,556.00	\$29.50	\$23,541.00	\$20.00	\$15,960.00	\$27.00	\$21,546.00	\$30.00	\$23,940.00
0080	RAISED PLANTER CURB	70 LF	\$55.00	\$3,850.00	\$52.50	\$3,675.00	\$100.00	\$7,000.00	\$110.00	\$7,700.00	\$58.50	\$4,095.00	\$1,300.00	\$91,000.00
0081	REMOVE AND REINSTALL PLANTER CURB	22 LF	\$70.00	\$1,540.00	\$137.00	\$3,014.00	\$200.00	\$4,400.00	\$160.00	\$3,520.00	\$127.50	\$2,805.00	\$2,000.00	\$44,000.00
0082	TOPSOIL, IMPORT	125 CY	\$80.00	\$10,000.00	\$90.00	\$11,250.00	\$100.00	\$12,500.00	\$125.00	\$15,625.00	\$112.50	\$14,062.50	\$100.00	\$12,500.00
0083	PLANTS WITH WARRANTY	1 LS	\$15,000.00	\$15,000.00	\$23,320.00	\$23,320.00	\$26,250.00	\$26,250.00	\$25,000.00	\$25,000.00	\$22,770.00	\$22,770.00	\$25,000.00	\$25,000.00
0084	BUS SHELTER FOUNDATION	2 EA	\$5,000.00	\$10,000.00	\$3,400.00	\$6,800.00	\$5,000.00	\$10,000.00	\$4,000.00	\$8,000.00	\$2,750.00	\$5,500.00	\$5,500.00	\$11,000.00
0085	MOBILIZATION	1 LS	\$320,803.00	\$320,803.00	\$253,000.00	\$253,000.00	\$420,000.00	\$420,000.00	\$440,000.00	\$440,000.00	\$635,716.80	\$635,716.80	\$371,750.00	\$371,750.00
0086	NEW WATER SERVICE (OPPOSITE SIDE)	6 EA	\$5,000.00	\$30,000.00	\$9,900.00	\$59,400.00	\$8,500.00	\$51,000.00	\$7,000.00	\$42,000.00	\$8,400.00	\$50,400.00	\$7,000.00	\$42,000.00
0087	NEW WATER SERVICE (SAME SIDE)	2 EA	\$2,500.00	\$5,000.00	\$9,000.00	\$18,000.00	\$5,500.00	\$11,000.00	\$2,800.00	\$5,600.00	\$4,800.00	\$9,600.00	\$2,800.00	\$5,600.00
0088	WATER SERVICE TAP	3 EA	\$3,500.00	\$10,500.00	\$4,300.00	\$12,900.00	\$3,750.00	\$11,250.00	\$2,200.00	\$6,600.00	\$3,000.00	\$9,000.00	\$2,200.00	\$6,600.00
0089	RELOCATE STOP BOX	8 EA	\$2,500.00	\$20,000.00	\$600.00	\$4,800.00	\$2,250.00	\$18,000.00	\$2,600.00	\$20,800.00	\$3,120.00	\$24,960.00	\$2,600.00	\$20,800.00
0090	NEW STOP BOX HOUSING	4 EA	\$1,250.00	\$5,000.00	\$650.00	\$2,600.00	\$1,000.00	\$4,000.00	\$450.00	\$1,800.00	\$540.00	\$2,160.00	\$450.00	\$1,800.00
0091	NEW STOP BOX ROD	5 EA	\$1,250.00	\$6,250.00	\$425.00	\$2,125.00	\$1,000.00	\$5,000.00	\$400.00	\$2,000.00	\$480.00	\$2,400.00	\$400.00	\$2,000.00
0092	POTHOLING FOR WATER SERVICES	3 EA	\$1,500.00	\$4,500.00	\$1,465.00	\$4,395.00	\$1,000.00	\$3,000.00	\$250.00	\$750.00	\$300.00	\$900.00	\$250.00	\$750.00
0093	ADDITIONAL TRAFFIC CONTROL FOR WATER SERVICES	3 EA	\$5,000.00	\$15,000.00	\$5,250.00	\$15,750.00	\$8,500.00	\$25,500.00	\$500.00	\$1,500.00	\$9,000.00	\$27,000.00	\$6,500.00	\$19,500.00
0094	TEMPORARY PAVEMENT PATCHES	350 SY	\$175.00	\$61,250.00	\$72.00	\$25,200.00	\$100.00	\$35,000.00	\$75.00	\$26,250.00	\$145.00	\$50,750.00	\$240.00	\$84,000.00
0095	CONCRETE CUTTING & SLURRY MANAGEMENT	1 LS	\$2,500.00	\$2,500.00	\$17,050.00	\$17,050.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$14,400.00	\$14,400.00	\$15,500.00	\$15,500.00
0096	COMPLETION INCENTIVE, LUMP SUM, NO EXCUSE	1 LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
<b>TOTAL CONSTRUCTION COST</b>				<b>\$4,260,000.00</b>		<b>\$3,327,667.15</b>		<b>\$3,495,185.00</b>		<b>\$3,765,567.40</b>		<b>\$4,152,603.71</b>		<b>\$4,615,110.00</b>
PERCENT OF ENGINEER'S ESTIMATE						-21.89%		-17.95%		-11.61%		-2.52%		+8.34%
						Low								