



**Date** December 22, 2025

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS,  
FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON  
INGERSOLL AVENUE IMPROVEMENTS FROM 31ST STREET TO 35TH STREET;  
RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE  
BIDDER AS SHEKAR ENGINEERING, P.L.C., CHANDRA SHEKAR, PRESIDENT,  
\$4,579,672.91**

WHEREAS, on November 3, 2025, under Roll Call No. 25-1464, 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 public improvement:

Ingersoll Avenue Improvements from 31st Street to 35th Street, Activity ID 042025002

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 main, 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. 676-023/185, located on Ingersoll Avenue from 31st Street to 35th Street, Des Moines, Iowa; and

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; and

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:

Shekar Engineering, P.L.C., Des Moines, IA – Low Bid  
TK Concrete, Inc., Pella, IA  
Reilly Construction Co., Inc., Ossian, IA  
Jasper Construction Services, Inc., Newton, IA  
Corell Contractor, Inc., West Des Moines, 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 November 25, 2025. Said bids and the attached tabulation of bids for said public improvement be and are hereby received and filed.



## Roll Call Number

Agenda Item Number

42

Date December 22, 2025

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 public improvement was submitted by Shekar Engineering, P.L.C., Chandra Shekar, President, 2600 ML King Jr. Parkway, Des Moines, IA, 50310 in the amount of \$4,579,672.91, 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. 25.464 attached)

Moved by \_\_\_\_\_ to adopt. Second by \_\_\_\_\_

FORM APPROVED:

FUNDS AVAILABLE:

/s/ Glenna K. Frank

Glenna K. Frank  
Deputy City Attorney

/s/Nickolas J. Schaul

Nickolas J. Schaul  
Director of Finance

SLN

Funding Source: 2025-26 CIP, Page 127, Ingersoll Streetscape, ST276, Being: \$4,302,689.39 in TIF Bonds and the remaining \$276,983.52 from Des Moines Water Works

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
BOESEN				
COLEMAN				
GATTO				
MANDELBAUM				
SIMONSON				
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 APPROVED BY:   
CHECKED BY: 

CONTRACTOR'S BID TABULATION  
PROJECT: INGERSOLL AVENUE IMPROVEMENTS FROM 31ST STREET TO 35TH STREET

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
DIVISION 1 - CITY OF DES MOINES											
0001	CLEARING & GRUBBING	190.30	UNIT	\$125.00	\$23,787.50	\$19.32	\$3,676.60	\$50.00	\$9,515.00	\$165.00	\$31,399.50
0002	CLEARING & GRUBBING	0.10	ACRE	\$20,000.00	\$2,000.00	\$5,250.00	\$525.00	\$25,000.00	\$2,500.00	\$33,000.00	\$3,300.00
0003	TOPSOIL, ON-SITE	157.00	CY	\$20.00	\$3,140.00	\$5.50	\$863.50	\$20.00	\$3,140.00	\$50.00	\$7,850.00
0004	TOPSOIL, OFF-SITE	263.00	CY	\$20.00	\$5,260.00	\$33.00	\$8,679.00	\$75.00	\$19,725.00	\$30.00	\$7,890.00
0005	EXCAVATION, CLASS 10, WASTE	6440.00	CY	\$40.00	\$257,600.00	\$19.69	\$126,803.60	\$19.00	\$122,360.00	\$25.00	\$161,000.00
0006	COMPOST, PLANTER BED PREPARATION	532.00	SY	\$35.00	\$18,620.00	\$78.75	\$41,895.00	\$105.00	\$55,860.00	\$50.00	\$26,600.00
0007	SUBGRADE PREPARATION, 6"	14346.00	SY	\$5.00	\$71,730.00	\$2.20	\$31,561.20	\$2.00	\$28,692.00	\$3.50	\$50,211.00
0008	SUBGRADE TREATMENT, GEOGRID, TYPE 2	1848.00	SY	\$5.00	\$9,240.00	\$3.85	\$7,114.80	\$3.50	\$6,468.00	\$3.50	\$6,468.00
0009	SUBDRADE TREATMENT, GEOTEXTILE	7459.00	SY	\$3.00	\$22,377.00	\$6.60	\$49,229.40	\$5.00	\$37,295.00	\$4.50	\$33,565.50
0010	SUBBASE, MODIFIED SUBBASE, 4"	2300.00	SY	\$15.00	\$34,500.00	\$13.20	\$30,360.00	\$11.50	\$26,450.00	\$12.00	\$27,600.00
0011	SUBBASE, MODIFIED SUBBASE, 12"	6935.00	SY	\$25.00	\$173,375.00	\$28.60	\$198,341.00	\$25.00	\$173,375.00	\$24.00	\$166,440.00
0012	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500.00	CY	\$70.00	\$35,000.00	\$15.40	\$7,700.00	\$115.00	\$57,500.00	\$45.00	\$22,500.00
0013	SANITARY SEWER SERVICE RELOCATION	4.00	EA	\$2,500.00	\$10,000.00	\$2,750.00	\$11,000.00	\$4,250.00	\$17,000.00	\$7,500.00	\$30,000.00
0014	STORM SEWER, TRENCHED, 15"	295.00	LF	\$120.00	\$35,400.00	\$93.50	\$27,582.50	\$110.00	\$32,450.00	\$140.00	\$41,300.00
0015	STORM SEWER, TRENCHED, 18"	1317.00	LF	\$135.00	\$177,795.00	\$117.70	\$155,010.90	\$150.00	\$197,550.00	\$170.00	\$223,890.00
0016	STORM SEWER, TRENCHED, 24"	367.00	LF	\$160.00	\$58,720.00	\$143.00	\$52,481.00	\$170.00	\$62,390.00	\$175.00	\$64,225.00
0017	REMOVAL OF STORM SEWER, LESS THAN 36" DIAMETER	125.00	LF	\$40.00	\$5,000.00	\$22.00	\$2,750.00	\$36.00	\$4,500.00	\$40.00	\$5,000.00
0018	SUBDRAIN, 6"	2610.00	LF	\$22.00	\$57,420.00	\$19.80	\$51,678.00	\$27.50	\$71,775.00	\$35.00	\$91,350.00
0019	SUBDRAIN CLEANOUT, TYPE A-1	5.00	EA	\$1,200.00	\$6,000.00	\$429.00	\$2,145.00	\$775.00	\$3,875.00	\$825.00	\$4,125.00
0020	SUBDRAIN, OUTLETS AND CONNECTIONS	38.00	EA	\$1,000.00	\$38,000.00	\$385.00	\$14,630.00	\$500.00	\$19,000.00	\$425.00	\$16,150.00
0021	SPOT REPAIRS BY PIPE REPLACEMENT, PVC, 8"	1.00	EA	\$2,500.00	\$2,500.00	\$2,750.00	\$2,750.00	\$6,300.00	\$6,300.00	\$7,500.00	\$7,500.00
0022	SPOT REPAIRS BY PIPE REPLACEMENT, PVC, 8"	10.00	LF	\$350.00	\$3,500.00	\$220.00	\$2,200.00	\$600.00	\$6,000.00	\$750.00	\$7,500.00
0023	FLOWABLE MORTAR	10.00	CY	\$350.00	\$3,500.00	\$495.00	\$4,950.00	\$630.00	\$6,300.00	\$800.00	\$8,000.00
0024	MANHOLE, SW-401	2.00	EA	\$8,000.00	\$16,000.00	\$4,950.00	\$9,900.00	\$6,250.00	\$12,500.00	\$5,000.00	\$10,000.00
0025	MANHOLE, SW-402, 48"X48"	13.00	EA	\$8,000.00	\$104,000.00	\$8,250.00	\$107,250.00	\$13,000.00	\$169,000.00	\$12,000.00	\$156,000.00
0026	MANHOLE, SW-402, 84"X48"	1.00	EA	\$11,500.00	\$11,500.00	\$12,100.00	\$12,100.00	\$17,250.00	\$17,250.00	\$15,500.00	\$15,500.00
0027	INTAKE, SW-501	3.00	EA	\$5,500.00	\$16,500.00	\$4,950.00	\$14,850.00	\$7,500.00	\$22,500.00	\$6,750.00	\$20,250.00
0028	INTAKE, SW-505	9.00	EA	\$8,500.00	\$76,500.00	\$7,700.00	\$69,300.00	\$12,000.00	\$108,000.00	\$10,750.00	\$96,750.00
0029	INTAKE, SW-506	1.00	EA	\$13,000.00	\$13,000.00	\$13,200.00	\$13,200.00	\$15,000.00	\$15,000.00	\$14,000.00	\$14,000.00
0030	INTAKE, SW-506 (MODIFIED)	1.00	EA	\$13,000.00	\$13,000.00	\$12,100.00	\$12,100.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00
0031	INTAKE, SW-511	1.00	EA	\$7,500.00	\$7,500.00	\$3,850.00	\$3,850.00	\$8,350.00	\$8,350.00	\$7,250.00	\$7,250.00
0032	MANHOLE ADJUSTMENT, MINOR	10.00	EA	\$1,500.00	\$15,000.00	\$1,375.00	\$13,750.00	\$2,250.00	\$22,500.00	\$2,500.00	\$25,000.00
0033	MANHOLE ADJUSTMENT, MAJOR	1.00	EA	\$3,500.00	\$3,500.00	\$3,850.00	\$3,850.00	\$4,450.00	\$4,450.00	\$4,250.00	\$4,250.00
0034	CONNECTION TO EXISTING MANHOLE	1.00	EA	\$2,500.00	\$2,500.00	\$2,750.00	\$2,750.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00
0035	REMOVE INTAKE	8.00	EA	\$3,500.00	\$28,000.00	\$649.00	\$5,192.00	\$1,100.00	\$8,800.00	\$1,200.00	\$9,600.00
0036	REMOVE MANHOLE	2.00	EA	\$2,500.00	\$5,000.00	\$1,980.00	\$3,960.00	\$1,250.00	\$2,500.00	\$1,500.00	\$3,000.00
0037	PAVEMENT, PCC, 6"	1293.00	SY	\$65.00	\$84,045.00	\$62.48	\$80,786.64	\$75.00	\$96,975.00	\$87.00	\$112,491.00
0038	PAVEMENT, PCC, 9"	1055.00	SY	\$95.00	\$100,225.00	\$82.43	\$86,963.65	\$100.00	\$105,500.00	\$115.00	\$121,325.00
0039	PAVEMENT, ASPHALT, HT SURFACE, 1/2" MIX, PG58-28H	182.00	TON	\$150.00	\$27,300.00	\$136.50	\$24,843.00	\$160.00	\$29,120.00	\$135.00	\$24,570.00
0040	PAVEMENT, HMA, 9"	5536.00	SY	\$61.00	\$337,696.00	\$60.90	\$337,142.40	\$67.25	\$372,296.00	\$60.00	\$332,160.00
0041	HMA PAVEMENT SAMPLES AND TESTING	1.00	LS	\$2,500.00	\$2,500.00	\$1,516.20	\$1,516.20	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
0042	REMOVAL OF SIDEWALK	1228.00	SY	\$32.00	\$39,296.00	\$9.45	\$11,604.60	\$12.50	\$15,350.00	\$20.00	\$24,560.00
0043	SHARED USE PATH, INTEGRAL COLOR PCC, 6"	1506.00	SY	\$105.00	\$158,130.00	\$67.20	\$101,203.20	\$92.50	\$139,305.00	\$131.00	\$197,286.00
0044	SIDEWALK, PCC, 5"	1649.00	SY	\$75.00	\$123,675.00	\$51.45	\$84,841.05	\$75.00	\$123,675.00	\$87.00	\$143,463.00
0045	SIDEWALK, PCC, 6"	76.00	SY	\$95.00	\$7,220.00	\$65.10	\$4,947.60	\$125.00	\$9,500.00	\$93.00	\$7,068.00
0046	SIDEWALK, PCC, CLASS A	888.00	SY	\$105.00	\$93,240.00	\$65.10	\$57,808.80	\$89.50	\$79,476.00	\$300.00	\$266,400.00
0047	DETECTABLE WARNINGS	354.00	SF	\$60.00	\$21,240.00	\$57.75	\$20,443.50	\$67.50	\$23,895.00	\$60.00	\$21,240.00
0048	DRIVEWAY, PAVED, PCC, 8"	655.00	SY	\$95.00	\$62,225.00	\$60.90	\$39,889.50	\$85.00	\$55,675.00	\$100.00	\$65,500.00
0049	DRIVEWAY, INTEGRAL COLOR PCC, 8"	140.00	SY	\$150.00	\$21,000.00	\$67.20	\$9,408.00	\$125.00	\$17,500.00	\$135.00	\$18,900.00
0050	TEMPORARY PAVEMENT	500.00	SY	\$60.00	\$30,000.00	\$89.25	\$44,625.00	\$100.00	\$50,000.00	\$115.00	\$57,500.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
0051	TEMP DRIVEWAY, HMA MILLINGS	3000.00 TONS	\$50.00	\$150,000.00	\$15.75	\$47,250.00	\$27.50	\$82,500.00	\$32.00	\$96,000.00
0052	MILLING	3937.00 SY	\$5.50	\$21,653.50	\$7.88	\$31,023.56	\$6.00	\$23,622.00	\$8.50	\$33,464.50
0053	PAVEMENT REMOVAL	8702.00 SY	\$20.00	\$174,040.00	\$13.20	\$114,866.40	\$15.00	\$130,530.00	\$25.00	\$217,550.00
0054	ENGINEERING FABRIC	1565.00 SY	\$25.00	\$39,125.00	\$4.04	\$6,322.60	\$3.20	\$5,008.00	\$3.50	\$5,477.50
0055	STORAGE AGGREGATE	241.00 TON	\$80.00	\$19,280.00	\$71.14	\$17,144.74	\$50.00	\$12,050.00	\$60.00	\$14,460.00
0056	FILTER AGGREGATE	821.00 TON	\$80.00	\$65,680.00	\$49.28	\$40,458.88	\$70.00	\$57,470.00	\$65.00	\$53,365.00
0057	PERMEABLE INTERLOCKING PAVERS	840.00 SY	\$85.00	\$71,400.00	\$189.00	\$158,760.00	\$90.00	\$75,600.00	\$84.00	\$70,560.00
0058	REMOVAL OF TROLLEY TRACKS	2691.00 LF	\$50.00	\$134,550.00	\$27.50	\$74,002.50	\$20.50	\$55,165.50	\$35.00	\$94,185.00
0059	TRAFFIC SIGNALIZATION	1.00 LS	\$81,000.00	\$81,000.00	\$213,913.35	\$213,913.35	\$235,500.00	\$235,500.00	\$210,000.00	\$210,000.00
0060	CONDUIT, TRENCHED, 2 IN. (STREET LIGHTING)	1682.00 LF	\$21.00	\$35,322.00	\$7.61	\$12,800.02	\$8.50	\$14,297.00	\$7.50	\$12,615.00
0061	ADJUSTMENT OF HANDHOLE	5.00 EA	\$1,500.00	\$7,500.00	\$435.75	\$2,178.75	\$600.00	\$3,000.00	\$500.00	\$2,500.00
0062	LIGHT POLE BASE, 12 FT. DIA.	16.00 EA	\$5,500.00	\$88,000.00	\$1,832.25	\$29,316.00	\$2,275.00	\$36,400.00	\$2,000.00	\$32,000.00
0063	RELOCATE PARKING LOT LIGHT	1.00 LS	\$6,500.00	\$6,500.00	\$1,953.00	\$1,953.00	\$3,000.00	\$3,000.00	\$2,100.00	\$2,100.00
0064	PROTECT AND REWIRE SIGNS	1.00 LS	\$7,500.00	\$7,500.00	\$1,989.75	\$1,989.75	\$3,000.00	\$3,000.00	\$1,800.00	\$1,800.00
0065	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	23.00 STA	\$175.00	\$4,025.00	\$110.25	\$2,535.75	\$135.00	\$3,105.00	\$110.00	\$2,530.00
0066	PAINTED PAVEMENT MARKINGS, EPOXY	76.00 STA	\$650.00	\$49,400.00	\$131.25	\$9,975.00	\$162.50	\$12,350.00	\$130.00	\$9,880.00
0067	WET, RETROFLECTIVE REMOVABLE TAPE MARKINGS	23.00 STA	\$150.00	\$3,450.00	\$136.50	\$3,139.50	\$170.00	\$3,910.00	\$135.00	\$3,105.00
0068	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE	6.00 EA	\$150.00	\$900.00	\$105.00	\$630.00	\$150.00	\$900.00	\$110.00	\$660.00
0069	PAINTED SYMBOLS AND LEGENDS, EPOXY	21.00 EA	\$225.00	\$4,725.00	\$420.00	\$8,820.00	\$500.00	\$10,500.00	\$440.00	\$9,240.00
0070	PRECUT SYMBOLS AND LEGENDS	21.00 EA	\$500.00	\$10,500.00	\$393.75	\$8,268.75	\$500.00	\$10,500.00	\$400.00	\$8,400.00
0071	PAVEMENT MARKINGS REMOVED	11.70 STA	\$110.00	\$1,287.00	\$204.75	\$2,395.58	\$250.00	\$2,925.00	\$210.00	\$2,457.00
0072	SYMBOLS AND LEGENDS REMOVED	6.00 EA	\$550.00	\$3,300.00	\$105.00	\$630.00	\$150.00	\$900.00	\$105.00	\$630.00
0073	GROOVES CUT FOR PAVEMENT MARKINGS	76.00 STA	\$75.00	\$5,700.00	\$57.75	\$4,389.00	\$70.00	\$5,320.00	\$60.00	\$4,560.00
0074	GROOVES CUT FOR SYMBOLS AND LEGENDS	21.00 EA	\$330.00	\$6,930.00	\$210.00	\$4,410.00	\$260.00	\$5,460.00	\$210.00	\$4,410.00
0075	TEMPORARY TRAFFIC CONTROL	1.00 LS	\$85,000.00	\$85,000.00	\$40,425.00	\$40,425.00	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00
0076	FLAGGERS	40.00 EA	\$600.00	\$24,000.00	\$551.25	\$22,050.00	\$625.00	\$25,000.00	\$550.00	\$22,000.00
0077	PORTABLE DYNAMIC MESSAGE SIGN	28.00 CDAY	\$160.00	\$4,480.00	\$131.25	\$3,675.00	\$175.00	\$4,900.00	\$130.00	\$3,640.00
0078	DAILY LANE CLOSURE	14.00 DAY	\$550.00	\$7,700.00	\$787.50	\$11,025.00	\$1,000.00	\$14,000.00	\$800.00	\$11,200.00
0079	TRAFFIC SIGNS, SHEET ALUMINUM	119.00 SF	\$40.00	\$4,760.00	\$26.25	\$3,123.75	\$32.50	\$3,867.50	\$30.00	\$3,570.00
0080	ROUND STEEL POSTS	220.00 LF	\$25.00	\$5,500.00	\$36.75	\$8,085.00	\$45.50	\$10,010.00	\$40.00	\$8,800.00
0081	CURB DELINEATOR SIGNS	9.00 EA	\$500.00	\$4,500.00	\$105.00	\$945.00	\$130.00	\$1,170.00	\$105.00	\$945.00
0082	TEMPORARY BARRIER RAIL, CONCRETE	2800.00 LF	\$40.00	\$112,000.00	\$10.50	\$29,400.00	\$12.50	\$35,000.00	\$12.00	\$33,600.00
0083	TEMPORARY BUSINESS SIGNS, SHEET ALUMINUM	330.00 SF	\$10.00	\$3,300.00	\$13.34	\$4,402.20	\$16.50	\$5,445.00	\$15.00	\$4,950.00
0084	SIGN REMOVAL	25.00 EA	\$150.00	\$3,750.00	\$131.25	\$3,281.25	\$175.00	\$4,375.00	\$130.00	\$3,250.00
0085	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	1.00 AC	\$4,000.00	\$4,000.00	\$5,775.00	\$5,775.00	\$7,500.00	\$7,500.00	\$6,000.00	\$6,000.00
0086	SOD	850.00 SY	\$12.00	\$10,200.00	\$115.50	\$98,175.00	\$12.50	\$10,625.00	\$8.50	\$7,225.00
0087	STORM WATER POLLUTION PREVENTION	1.00 LS	\$5,000.00	\$5,000.00	\$7,875.00	\$7,875.00	\$5,000.00	\$5,000.00	\$7,500.00	\$7,500.00
0088	FILTER SOCKS, 12"	2800.00 LF	\$4.00	\$11,200.00	\$5.25	\$14,700.00	\$2.75	\$7,700.00	\$2.00	\$5,600.00
0089	FILTER SOCK REMOVAL	2800.00 LF	\$0.50	\$1,400.00	\$1.05	\$2,940.00	\$0.25	\$700.00	\$0.10	\$280.00
0090	INLET PROTECTION DEVICE, DROP-IN	15.00 EA	\$250.00	\$3,750.00	\$210.00	\$3,150.00	\$225.00	\$3,375.00	\$150.00	\$2,250.00
0091	INLET PROTECTION DEVICE MAINTENANCE	15.00 EA	\$100.00	\$1,500.00	\$26.25	\$393.75	\$50.00	\$750.00	\$10.00	\$150.00
0092	ORANGE SAFETY FENCE (RIGID)	2000.00 LF	\$10.00	\$20,000.00	\$5.62	\$11,240.00	\$6.50	\$13,000.00	\$5.50	\$11,000.00
0093	ORANGE SAFETY FENCE	1000.00 LF	\$5.00	\$5,000.00	\$3.94	\$3,940.00	\$5.00	\$5,000.00	\$4.00	\$4,000.00
0094	LIMESTONE RETAINING WALL	525.70 SF	\$79.00	\$41,530.30	\$39.90	\$20,975.43	\$50.00	\$26,285.00	\$60.00	\$31,542.00
0095	GRAVITY RETAINING WALL	1892.00 SF	\$100.00	\$189,200.00	\$65.10	\$123,169.20	\$75.00	\$141,900.00	\$70.00	\$132,440.00
0096	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, TYPE A	54.20 CY	\$650.00	\$35,230.00	\$241.50	\$13,089.30	\$1,250.00	\$67,750.00	\$685.00	\$37,127.00
0097	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED	23.60 CY	\$850.00	\$20,060.00	\$262.50	\$6,195.00	\$1,250.00	\$29,500.00	\$685.00	\$16,166.00
0098	BOULDER RETAINING WALL	175.00 SF	\$80.00	\$14,000.00	\$37.80	\$6,615.00	\$50.00	\$8,750.00	\$42.00	\$7,350.00
0099	SALVAGE AND REBUILD MODULAR BLOCK RETAINING WALL	250.00 SF	\$65.00	\$16,250.00	\$39.90	\$9,975.00	\$50.00	\$12,500.00	\$33.00	\$8,250.00
0100	CONCRETE STEPS, TYPE A	90.30 SF	\$150.00	\$13,545.00	\$77.98	\$7,041.59	\$150.00	\$13,545.00	\$42.00	\$3,792.60
0101	CONCRETE STEPS, TYPE B	134.80 SF	\$150.00	\$20,220.00	\$93.73	\$12,634.80	\$150.00	\$20,220.00	\$42.00	\$5,661.60
0102	HAND RAIL	200.00 LF	\$30.00	\$6,000.00	\$149.10	\$29,820.00	\$150.00	\$30,000.00	\$92.00	\$18,400.00
0103	SAFETY RAIL	264.00 LF	\$30.00	\$7,920.00	\$234.15	\$61,815.60	\$250.00	\$66,000.00	\$140.00	\$36,960.00
0104	REMOVE CONCRETE WALL	1.00 LS	\$10,000.00	\$10,000.00	\$5,512.50	\$5,512.50	\$3,500.00	\$3,500.00	\$12,500.00	\$12,500.00
0105	REMOVE PCC STEPS AND HANDRAIL	5.00 EA	\$3,500.00	\$17,500.00	\$892.50	\$4,462.50	\$1,500.00	\$7,500.00	\$2,500.00	\$12,500.00
0106	URN DRAINAGE PIPING	120.00 LF	\$25.00	\$3,000.00	\$21.00	\$2,520.00	\$20.00	\$2,400.00	\$100.00	\$12,000.00
0107	PLANTER URN	12.00 EA	\$2,000.00	\$24,000.00	\$1,575.00	\$18,900.00	\$500.00	\$6,000.00	\$3,000.00	\$36,000.00
0108	CAST IN PLACE URN PEDESTAL	12.00 CY	\$1,000.00	\$12,000.00	\$472.50	\$5,670.00	\$2,250.00	\$27,000.00	\$700.00	\$8,400.00
0109	BENCH	12.00 EA	\$2,500.00	\$30,000.00	\$2,100.00	\$25,200.00	\$3,000.00	\$36,000.00	\$3,000.00	\$36,000.00
0110	TRASH RECEPTACLE	6.00 EA	\$2,800.00	\$16,800.00	\$1,312.50	\$7,875.00	\$3,500.00	\$21,000.00	\$3,500.00	\$21,000.00
0111	UNIT PAVERS	810.00 SF	\$20.00	\$16,200.00	\$52.50	\$42,525.00	\$22.50	\$18,225.00	\$32.00	\$25,920.00
0112	RAISED PLANTER CURB	2386.00 LF	\$55.00	\$131,230.00	\$39.61	\$94,509.46	\$20.00	\$47,720.00	\$58.00	\$138,388.00

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
0113	REINFORCED INTEGRAL SIDEWALK CURB	88.00	LF	\$55.00	\$4,840.00	\$78.75	\$6,930.00	\$100.00	\$8,800.00	\$42.00	\$3,696.00			
0114	BUS SHELTER FOUNDATION	1.00	LS	\$4,000.00	\$4,000.00	\$5,486.69	\$5,486.69	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00			
0115	BIKE RACK	15.00	EA	\$800.00	\$12,000.00	\$1,312.50	\$19,687.50	\$900.00	\$13,500.00	\$1,000.00	\$15,000.00			
0116	REMOVE BIKE RACK	3.00	EA	\$500.00	\$1,500.00	\$262.50	\$787.50	\$500.00	\$1,500.00	\$800.00	\$2,400.00			
0117	BIKER BAR	2.00	EA	\$1,500.00	\$3,000.00	\$892.50	\$1,785.00	\$1,250.00	\$2,500.00	\$3,000.00	\$6,000.00			
0118	PLANTS WITH WARRANTY	1.00	LS	\$90,000.00	\$90,000.00	\$15,750.00	\$15,750.00	\$75,000.00	\$75,000.00	\$60,000.00	\$60,000.00			
0119	LANDSCAPING BED	775.00	SF	\$5.00	\$3,875.00	\$52.50	\$40,687.50	\$2.00	\$1,550.00	\$2.25	\$1,743.75			
0120	LANDSCAPING ROCK	20.00	CY	\$210.00	\$4,200.00	\$105.00	\$2,100.00	\$175.00	\$3,500.00	\$260.00	\$5,200.00			
0121	MOBILIZATION	1.00	LS	\$417,775.70	\$417,775.70	\$358,776.60	\$358,776.60	\$365,000.00	\$365,000.00	\$250,000.00	\$250,000.00			
0122	WATER SERVICE TRANSFER, 1 IN. SAME SIDE	5.00	EA	\$2,500.00	\$12,500.00	\$3,850.00	\$19,250.00	\$2,650.00	\$13,250.00	\$4,000.00	\$20,000.00			
0123	WATER SERVICE TRANSFER, CL52 DI, 4-IN., 3333 GRAND AVENUE	1.00	LS	\$12,000.00	\$12,000.00	\$6,600.00	\$6,600.00	\$9,000.00	\$9,000.00	\$13,500.00	\$13,500.00			
0124	WATER SERVICE TRANSFER, 6-IN., 3101 INGERSOLL AVENUE	1.00	LS	\$15,000.00	\$15,000.00	\$8,140.00	\$8,140.00	\$9,000.00	\$9,000.00	\$15,000.00	\$15,000.00			
0125	DMWW TAP FEE, 1-IN.	5.00	EA	\$410.00	\$2,050.00	\$3,300.00	\$16,500.00	\$500.00	\$2,500.00	\$3,000.00	\$15,000.00			
0126	WATER SERVICE TAP	3.00	EA	\$3,500.00	\$10,500.00	\$4,950.00	\$14,850.00	\$7,500.00	\$22,500.00	\$3,000.00	\$9,000.00			
0127	RELOCATE STOP BOX	8.00	EA	\$2,500.00	\$20,000.00	\$1,100.00	\$8,800.00	\$1,850.00	\$14,800.00	\$2,250.00	\$18,000.00			
0128	NEW STOP BOX HOUSING	4.00	EA	\$1,250.00	\$5,000.00	\$2,200.00	\$8,800.00	\$1,000.00	\$4,000.00	\$1,000.00	\$4,000.00			
0129	NEW STOP BOX ROD	5.00	EA	\$1,250.00	\$6,250.00	\$550.00	\$2,750.00	\$750.00	\$3,750.00	\$1,000.00	\$5,000.00			
0130	POTHOLING	20.00	EA	\$1,500.00	\$30,000.00	\$1,100.00	\$22,000.00	\$650.00	\$13,000.00	\$1,950.00	\$39,000.00			
0131	CONCRETE CUTTING & SLURRY MANAGEMENT	1.00	LS	\$2,500.00	\$2,500.00	\$3,850.00	\$3,850.00	\$20,000.00	\$20,000.00	\$40,000.00	\$40,000.00			
0132	REMOVE & SALVAGE ITEMS AT 3106 INGERSOLL	1.00	LS	\$2,500.00	\$2,500.00	\$6,877.50	\$6,877.50	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00			
0133	COMPLETION INCENTIVE, LUMP SUM, NO EXCUSE	1.00	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			
DIVISION 2 - DES MOINES WATER WORKS														
0134	WATER MAIN, TRENCHED, CL52 DI, STAB JOINT, 6-IN.	20.00	LF	\$200.00	\$4,000.00	\$220.00	\$4,400.00	\$210.00	\$4,200.00	\$150.00	\$3,000.00			
0135	WATER MAIN, TRENCHED, CL52 DI, STAB JOINT, 12-IN.	580.00	LF	\$300.00	\$174,000.00	\$154.00	\$89,320.00	\$234.00	\$135,720.00	\$290.00	\$168,200.00			
0136	FITTINGS BY WEIGHT, DUCTILE IRON	4648.00	LB	\$25.00	\$116,200.00	\$17.49	\$81,293.52	\$54.00	\$250,992.00	\$24.50	\$113,876.00			
0137	VALVE, GATE, DUCTILE IRON (DI), 6-IN.	2.00	EA	\$3,200.00	\$6,400.00	\$3,850.00	\$7,700.00	\$3,750.00	\$7,500.00	\$2,650.00	\$5,300.00			
0138	VALVE, GATE, DUCTILE IRON (DI), 12-IN.	2.00	EA	\$5,000.00	\$10,000.00	\$9,350.00	\$18,700.00	\$6,950.00	\$13,900.00	\$5,750.00	\$11,500.00			
0139	FIRE HYDRANT ASSEMBLY, MJXAJ TEE, 6-IN. GATE VALVE	3.00	EA	\$10,000.00	\$30,000.00	\$9,350.00	\$28,050.00	\$11,500.00	\$34,500.00	\$9,500.00	\$28,500.00			
0140	FIRE HYDRANT ASSEMBLY, REMOVAL	3.00	EA	\$5,000.00	\$15,000.00	\$880.00	\$2,640.00	\$2,250.00	\$6,750.00	\$1,200.00	\$3,600.00			
0141	MAGNESIUM ANODE, 32 LB.	11.00	EA	\$1,000.00	\$11,000.00	\$880.00	\$9,680.00	\$1,200.00	\$13,200.00	\$1,125.00	\$12,375.00			
0142	REMOVAL OF EXISTING WATER MAIN	340.00	LF	\$30.00	\$10,200.00	\$22.00	\$7,480.00	\$30.00	\$10,200.00	\$37.00	\$12,580.00			
0143	WATER SERVICE TRANSFER, 1 IN., OPPOSITE SIDE	1.00	EA	\$10,000.00	\$10,000.00	\$5,500.00	\$5,500.00	\$7,800.00	\$7,800.00	\$12,250.00	\$12,250.00			
0144	WATER SERVICE TRANSFER, 2 IN., SAME SIDE	1.00	EA	\$6,000.00	\$6,000.00	\$5,280.00	\$5,280.00	\$6,000.00	\$6,000.00	\$7,750.00	\$7,750.00			
0145	WATER SERVICE TRANSFER, CL 52 DI, 6-IN., 3404 INGERSOLL AVENUE	1.00	LS	\$15,000.00	\$15,000.00	\$8,250.00	\$8,250.00	\$8,225.00	\$8,225.00	\$10,750.00	\$10,750.00			
0146	DMWW TAP FEE, 1-IN.	1.00	EA	\$410.00	\$410.00	\$2,750.00	\$2,750.00	\$500.00	\$500.00	\$500.00	\$500.00			
0147	DMWW TAP FEE, 2-IN.	1.00	EA	\$1,750.00	\$1,750.00	\$3,080.00	\$3,080.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00			
0148	FOUNDATION ROCK	40.00	TON	\$70.00	\$2,800.00	\$71.50	\$2,860.00	\$105.00	\$4,200.00	\$75.00	\$3,000.00			
TOTAL CONSTRUCTION COST					\$5,630,000.00		\$4,579,672.91		\$5,347,199.00		\$5,572,953.95			
PERCENT OF ENGINEER'S ESTIMATE							-18.66%		-5.02%		-1.01%			
							Low							

TABULATED BY: N. Smith APPROVED BY: Phillip J. Wagem  
CHECKED BY: Christopher Keld

CONTRACTOR'S BID TABULATION  
PROJECT: INGERSOLL AVENUE IMPROVEMENTS FROM 31ST STREET TO 35TH STREET

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
DIVISION 1 - CITY OF DES MOINES											
0001	CLEARING & GRUBBING	190.30	UNIT	\$125.00	\$23,787.50	\$20.00	\$3,806.00	\$23.00	\$4,376.90		
0002	CLEARING & GRUBBING	0.10	ACRE	\$20,000.00	\$2,000.00	\$10,000.00	\$1,000.00	\$62,500.00	\$6,250.00		
0003	TOPSOIL, ON-SITE	157.00	CY	\$20.00	\$3,140.00	\$50.00	\$7,850.00	\$59.00	\$9,263.00		
0004	TOPSOIL, OFF-SITE	263.00	CY	\$20.00	\$5,260.00	\$80.00	\$21,040.00	\$31.00	\$8,153.00		
0005	EXCAVATION, CLASS 10, WASTE	6440.00	CY	\$40.00	\$257,600.00	\$50.00	\$322,000.00	\$32.00	\$206,080.00		
0006	COMPOST, PLANTER BED PREPARATION	532.00	SY	\$35.00	\$18,620.00	\$17.85	\$9,496.20	\$18.75	\$9,975.00		
0007	SUBGRADE PREPARATION, 6"	14346.00	SY	\$5.00	\$71,730.00	\$7.50	\$107,595.00	\$4.00	\$57,384.00		
0008	SUBGRADE TREATMENT, GEOGRID, TYPE 2	1848.00	SY	\$5.00	\$9,240.00	\$1.50	\$2,772.00	\$3.00	\$5,544.00		
0009	SUBGRADE TREATMENT, GEOTEXTILE	7459.00	SY	\$3.00	\$22,377.00	\$4.00	\$29,836.00	\$5.00	\$37,295.00		
0010	SUBBASE, MODIFIED SUBBASE, 4"	2300.00	SY	\$15.00	\$34,500.00	\$13.00	\$29,900.00	\$17.00	\$39,100.00		
0011	SUBBASE, MODIFIED SUBBASE, 12"	6935.00	SY	\$25.00	\$173,375.00	\$30.00	\$208,050.00	\$31.00	\$214,985.00		
0012	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	500.00	CY	\$70.00	\$35,000.00	\$0.01	\$5.00	\$76.00	\$38,000.00		
0013	SANITARY SEWER SERVICE RELOCATION	4.00	EA	\$2,500.00	\$10,000.00	\$3,500.00	\$14,000.00	\$7,700.00	\$30,800.00		
0014	STORM SEWER, TRENCHED, 15"	295.00	LF	\$120.00	\$35,400.00	\$90.00	\$26,550.00	\$177.00	\$52,215.00		
0015	STORM SEWER, TRENCHED, 18"	1317.00	LF	\$135.00	\$177,795.00	\$133.00	\$175,161.00	\$195.00	\$256,815.00		
0016	STORM SEWER, TRENCHED, 24"	367.00	LF	\$160.00	\$58,720.00	\$144.00	\$52,848.00	\$210.00	\$77,070.00		
0017	REMOVAL OF STORM SEWER, LESS THAN 36" DIAMETER	125.00	LF	\$40.00	\$5,000.00	\$30.00	\$3,750.00	\$52.00	\$6,500.00		
0018	SUBDRAIN, 6"	2610.00	LF	\$22.00	\$57,420.00	\$25.00	\$65,250.00	\$23.00	\$60,030.00		
0019	SUBDRAIN CLEANOUT, TYPE A-1	5.00	EA	\$1,200.00	\$6,000.00	\$645.00	\$3,225.00	\$750.00	\$3,750.00		
0020	SUBDRAIN, OUTLETS AND CONNECTIONS	38.00	EA	\$1,000.00	\$38,000.00	\$420.00	\$15,960.00	\$500.00	\$19,000.00		
0021	SPOT REPAIRS BY PIPE REPLACEMENT, PVC, 8"	1.00	EA	\$2,500.00	\$2,500.00	\$5,250.00	\$5,250.00	\$5,800.00	\$5,800.00		
0022	SPOT REPAIRS BY PIPE REPLACEMENT, PVC, 8"	10.00	LF	\$350.00	\$3,500.00	\$525.00	\$5,250.00	\$500.00	\$5,000.00		
0023	FLOWABLE MORTAR	10.00	CY	\$350.00	\$3,500.00	\$500.00	\$5,000.00	\$360.00	\$3,600.00		
0024	MANHOLE, SW-401	2.00	EA	\$8,000.00	\$16,000.00	\$5,200.00	\$10,400.00	\$5,900.00	\$11,800.00		
0025	MANHOLE, SW-402, 48"X48"	13.00	EA	\$8,000.00	\$104,000.00	\$10,850.00	\$141,050.00	\$8,150.00	\$105,950.00		
0026	MANHOLE, SW-402, 84"X48"	1.00	EA	\$11,500.00	\$11,500.00	\$14,350.00	\$14,350.00	\$15,900.00	\$15,900.00		
0027	INTAKE, SW-501	3.00	EA	\$5,500.00	\$16,500.00	\$6,550.00	\$19,650.00	\$4,950.00	\$14,850.00		
0028	INTAKE, SW-505	9.00	EA	\$8,500.00	\$76,500.00	\$10,050.00	\$90,450.00	\$7,000.00	\$63,000.00		
0029	INTAKE, SW-506	1.00	EA	\$13,000.00	\$13,000.00	\$12,750.00	\$12,750.00	\$12,800.00	\$12,800.00		
0030	INTAKE, SW-506 (MODIFIED)	1.00	EA	\$13,000.00	\$13,000.00	\$18,000.00	\$18,000.00	\$12,800.00	\$12,800.00		
0031	INTAKE, SW-511	1.00	EA	\$7,500.00	\$7,500.00	\$6,950.00	\$6,950.00	\$5,500.00	\$5,500.00		
0032	MANHOLE ADJUSTMENT, MINOR	10.00	EA	\$1,500.00	\$15,000.00	\$2,300.00	\$23,000.00	\$1,900.00	\$19,000.00		
0033	MANHOLE ADJUSTMENT, MAJOR	1.00	EA	\$3,500.00	\$3,500.00	\$3,700.00	\$3,700.00	\$5,000.00	\$5,000.00		
0034	CONNECTION TO EXISTING MANHOLE	1.00	EA	\$2,500.00	\$2,500.00	\$4,000.00	\$4,000.00	\$2,950.00	\$2,950.00		
0035	REMOVE INTAKE	8.00	EA	\$3,500.00	\$28,000.00	\$950.00	\$7,600.00	\$2,000.00	\$16,000.00		
0036	REMOVE MANHOLE	2.00	EA	\$2,500.00	\$5,000.00	\$950.00	\$1,900.00	\$2,000.00	\$4,000.00		
0037	PAVEMENT, PCC, 6"	1293.00	SY	\$65.00	\$84,045.00	\$85.00	\$109,905.00	\$94.50	\$122,188.50		
0038	PAVEMENT, PCC, 9"	1055.00	SY	\$95.00	\$100,225.00	\$135.00	\$142,425.00	\$160.00	\$168,800.00		
0039	PAVEMENT, ASPHALT, HT SURFACE, 1/2" MIX, PG58-28H	182.00	TON	\$150.00	\$27,300.00	\$130.00	\$23,660.00	\$136.50	\$24,843.00		
0040	PAVEMENT, HMA, 9"	5536.00	SY	\$61.00	\$337,696.00	\$58.00	\$321,088.00	\$60.90	\$337,142.40		
0041	HMA PAVEMENT SAMPLES AND TESTING	1.00	LS	\$2,500.00	\$2,500.00	\$1,444.00	\$1,444.00	\$1,520.00	\$1,520.00		
0042	REMOVAL OF SIDEWALK	1228.00	SY	\$32.00	\$39,296.00	\$20.00	\$24,560.00	\$20.00	\$24,560.00		
0043	SHARED USE PATH, INTEGRAL COLOR PCC, 6"	1506.00	SY	\$105.00	\$158,130.00	\$140.00	\$210,840.00	\$134.00	\$201,804.00		
0044	SIDEWALK, PCC, 5"	1649.00	SY	\$75.00	\$123,675.00	\$80.00	\$131,920.00	\$84.00	\$138,516.00		
0045	SIDEWALK, PCC, 6"	76.00	SY	\$95.00	\$7,220.00	\$85.00	\$6,460.00	\$166.00	\$12,616.00		
0046	SIDEWALK, PCC, CLASS A	888.00	SY	\$105.00	\$93,240.00	\$120.00	\$106,560.00	\$195.00	\$173,160.00		
0047	DETECTABLE WARNINGS	354.00	SF	\$60.00	\$21,240.00	\$70.00	\$24,780.00	\$81.00	\$28,674.00		
0048	DRIVEWAY, PAVED, PCC, 8"	655.00	SY	\$95.00	\$62,225.00	\$95.00	\$62,225.00	\$130.00	\$85,150.00		
0049	DRIVEWAY, INTEGRAL COLOR PCC, 8"	140.00	SY	\$150.00	\$21,000.00	\$145.00	\$20,300.00	\$147.00	\$20,580.00		
0050	TEMPORARY PAVEMENT	500.00	SY	\$60.00	\$30,000.00	\$8.00	\$4,000.00	\$84.00	\$42,000.00		

Jasper Construction Services,  
Inc.  
Newton, IA

BID SECURITY  
10% Bid Bond

BID PRICE

Corell Contractor, Inc.  
West Des Moines, IA

BID SECURITY  
10% Bid Bond

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT	UNIT		AMOUNT	UNIT		AMOUNT
			PRICE			PRICE			PRICE		
0051	TEMP DRIVEWAY, HMA MILLINGS	3000.00 TONS	\$50.00		\$150,000.00	\$1.50		\$4,500.00	\$33.00		\$99,000.00
0052	MILLING	3937.00 SY	\$5.50		\$21,653.50	\$7.50		\$29,527.50	\$8.00		\$31,496.00
0053	PAVEMENT REMOVAL	8702.00 SY	\$20.00		\$174,040.00	\$39.00		\$339,378.00	\$20.00		\$174,040.00
0054	ENGINEERING FABRIC	1565.00 SY	\$25.00		\$39,125.00	\$4.75		\$7,433.75	\$5.00		\$7,825.00
0055	STORAGE AGGREGATE	241.00 TON	\$80.00		\$19,280.00	\$65.00		\$15,665.00	\$70.00		\$16,870.00
0056	FILTER AGGREGATE	821.00 TON	\$80.00		\$65,680.00	\$6.50		\$5,336.50	\$80.00		\$65,680.00
0057	PERMEABLE INTERLOCKING PAVERS	840.00 SY	\$85.00		\$71,400.00	\$80.00		\$67,200.00	\$87.00		\$73,080.00
0058	REMOVAL OF TROLLEY TRACKS	2691.00 LF	\$50.00		\$134,550.00	\$20.00		\$53,820.00	\$5.00		\$13,455.00
0059	TRAFFIC SIGNALIZATION	1.00 LS	\$81,000.00		\$81,000.00	\$198,727.00		\$198,727.00	\$208,650.00		\$208,650.00
0060	CONDUIT, TRENCHED, 2 IN. (STREET LIGHTING)	1682.00 LF	\$21.00		\$35,322.00	\$7.25		\$12,194.50	\$7.50		\$12,615.00
0061	ADJUSTMENT OF HANDHOLE	5.00 EA	\$1,500.00		\$7,500.00	\$415.00		\$2,075.00	\$450.00		\$2,250.00
0062	LIGHT POLE BASE, 12 FT. DIA.	16.00 EA	\$5,500.00		\$88,000.00	\$1,745.00		\$27,920.00	\$1,800.00		\$28,800.00
0063	RELOCATE PARKING LOT LIGHT	1.00 LS	\$6,500.00		\$6,500.00	\$1,860.00		\$1,860.00	\$1,950.00		\$1,950.00
0064	PROTECT AND REWIRE SIGNS	1.00 LS	\$7,500.00		\$7,500.00	\$1,595.00		\$1,595.00	\$1,675.00		\$1,675.00
0065	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	23.00 STA	\$175.00		\$4,025.00	\$190.00		\$4,370.00	\$200.00		\$4,600.00
0066	PAINTED PAVEMENT MARKINGS, EPOXY	76.00 STA	\$650.00		\$49,400.00	\$115.00		\$8,740.00	\$125.00		\$9,500.00
0067	WET, RETROFLECTIVE REMOVABLE TAPE MARKINGS	23.00 STA	\$150.00		\$3,450.00	\$200.00		\$4,600.00	\$220.00		\$5,060.00
0068	PAINTED SYMBOLS AND LEGENDS, SOLVENT/WATERBORNE	6.00 EA	\$150.00		\$900.00	\$110.00		\$660.00	\$121.00		\$726.00
0069	PAINTED SYMBOLS AND LEGENDS, EPOXY	21.00 EA	\$225.00		\$4,725.00	\$250.00		\$5,250.00	\$275.00		\$5,775.00
0070	PRECUT SYMBOLS AND LEGENDS	21.00 EA	\$500.00		\$10,500.00	\$400.00		\$8,400.00	\$440.00		\$9,240.00
0071	PAVEMENT MARKINGS REMOVED	11.70 STA	\$110.00		\$1,287.00	\$150.00		\$1,755.00	\$165.00		\$1,930.50
0072	SYMBOLS AND LEGENDS REMOVED	6.00 EA	\$550.00		\$3,300.00	\$120.00		\$720.00	\$132.00		\$792.00
0073	GROOVES CUT FOR PAVEMENT MARKINGS	76.00 STA	\$75.00		\$5,700.00	\$80.00		\$6,080.00	\$88.00		\$6,688.00
0074	GROOVES CUT FOR SYMBOLS AND LEGENDS	21.00 EA	\$330.00		\$6,930.00	\$195.00		\$4,095.00	\$215.00		\$4,515.00
0075	TEMPORARY TRAFFIC CONTROL	1.00 LS	\$85,000.00		\$85,000.00	\$87,500.00		\$87,500.00	\$35,500.00		\$35,500.00
0076	FLAGGERS	40.00 EA	\$600.00		\$24,000.00	\$5.50		\$220.00	\$850.00		\$34,000.00
0077	PORTABLE DYNAMIC MESSAGE SIGN	28.00 CDAY	\$160.00		\$4,480.00	\$50.00		\$1,400.00	\$52.50		\$1,470.00
0078	DAILY LANE CLOSURE	14.00 DAY	\$550.00		\$7,700.00	\$7.50		\$105.00	\$315.00		\$4,410.00
0079	TRAFFIC SIGNS, SHEET ALUMINUM	119.00 SF	\$40.00		\$4,760.00	\$22.00		\$2,618.00	\$24.00		\$2,856.00
0080	ROUND STEEL POSTS	220.00 LF	\$25.00		\$5,500.00	\$30.00		\$6,600.00	\$33.00		\$7,260.00
0081	CURB DELINEATOR SIGNS	9.00 EA	\$500.00		\$4,500.00	\$300.00		\$2,700.00	\$330.00		\$2,970.00
0082	TEMPORARY BARRIER RAIL, CONCRETE	2800.00 LF	\$40.00		\$112,000.00	\$12.00		\$33,600.00	\$10.50		\$29,400.00
0083	TEMPORARY BUSINESS SIGNS, SHEET ALUMINUM	330.00 SF	\$10.00		\$3,300.00	\$30.00		\$9,900.00	\$24.00		\$7,920.00
0084	SIGN REMOVAL	25.00 EA	\$150.00		\$3,750.00	\$125.00		\$3,125.00	\$220.00		\$5,500.00
0085	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	1.00 AC	\$4,000.00		\$4,000.00	\$250.00		\$250.00	\$6,000.00		\$6,000.00
0086	SOD	850.00 SY	\$12.00		\$10,200.00	\$8.20		\$6,970.00	\$8.60		\$7,310.00
0087	STORM WATER POLLUTION PREVENTION	1.00 LS	\$5,000.00		\$5,000.00	\$20,500.00		\$20,500.00	\$5,800.00		\$5,800.00
0088	FILTER SOCKS, 12"	2800.00 LF	\$4.00		\$11,200.00	\$0.01		\$28.00	\$2.10		\$5,880.00
0089	FILTER SOCK REMOVAL	2800.00 LF	\$0.50		\$1,400.00	\$0.01		\$28.00	\$0.11		\$308.00
0090	INLET PROTECTION DEVICE, DROP-IN	15.00 EA	\$250.00		\$3,750.00	\$150.00		\$2,250.00	\$160.00		\$2,400.00
0091	INLET PROTECTION DEVICE MAINTENANCE	15.00 EA	\$100.00		\$1,500.00	\$1.00		\$15.00	\$10.50		\$157.50
0092	ORANGE SAFETY FENCE (RIGID)	2000.00 LF	\$10.00		\$20,000.00	\$0.50		\$1,000.00	\$11.00		\$22,000.00
0093	ORANGE SAFETY FENCE	1000.00 LF	\$5.00		\$5,000.00	\$0.50		\$500.00	\$8.00		\$8,000.00
0094	LIMESTONE RETAINING WALL	525.70 SF	\$79.00		\$41,530.30	\$57.00		\$29,964.90	\$60.00		\$31,542.00
0095	GRAVITY RETAINING WALL	1892.00 SF	\$100.00		\$189,200.00	\$68.00		\$128,656.00	\$71.50		\$135,278.00
0096	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, TYPE A	54.20 CY	\$650.00		\$35,230.00	\$1,150.00		\$62,330.00	\$1,450.00		\$78,590.00
0097	COMBINED CONCRETE SIDEWALK AND RETAINING WALL, MODIFIED	23.60 CY	\$850.00		\$20,060.00	\$1,150.00		\$27,140.00	\$2,300.00		\$54,280.00
0098	BOULDER RETAINING WALL	175.00 SF	\$80.00		\$14,000.00	\$40.00		\$7,000.00	\$42.00		\$7,350.00
0099	SALVAGE AND REBUILD MODULAR BLOCK RETAINING WALL	250.00 SF	\$65.00		\$16,250.00	\$32.00		\$8,000.00	\$33.50		\$8,375.00
0100	CONCRETE STEPS, TYPE A	90.30 SF	\$150.00		\$13,545.00	\$150.00		\$13,545.00	\$42.00		\$3,792.60
0101	CONCRETE STEPS, TYPE B	134.80 SF	\$150.00		\$20,220.00	\$150.00		\$20,220.00	\$42.00		\$5,661.60
0102	HAND RAIL	200.00 LF	\$30.00		\$6,000.00	\$88.56		\$17,712.00	\$97.50		\$19,500.00
0103	SAFETY RAIL	264.00 LF	\$30.00		\$7,920.00	\$135.74		\$35,835.36	\$150.00		\$39,600.00
0104	REMOVE CONCRETE WALL	1.00 LS	\$10,000.00		\$10,000.00	\$90,000.00		\$90,000.00	\$12,800.00		\$12,800.00
0105	REMOVE PCC STEPS AND HANDRAIL	5.00 EA	\$3,500.00		\$17,500.00	\$3,500.00		\$17,500.00	\$1,550.00		\$7,750.00
0106	URN DRAINAGE PIPING	120.00 LF	\$25.00		\$3,000.00	\$35.00		\$4,200.00	\$150.00		\$18,000.00
0107	PLANTER URN	12.00 EA	\$2,000.00		\$24,000.00	\$2,800.00		\$33,600.00	\$2,000.00		\$24,000.00
0108	CAST IN PLACE URN PEDESTAL	12.00 CY	\$1,000.00		\$12,000.00	\$1,000.00		\$12,000.00	\$3,350.00		\$40,200.00
0109	BENCH	12.00 EA	\$2,500.00		\$30,000.00	\$2,800.00		\$33,600.00	\$6,000.00		\$72,000.00
0110	TRASH RECEPTACLE	6.00 EA	\$2,800.00		\$16,800.00	\$3,800.00		\$22,800.00	\$3,000.00		\$18,000.00
0111	UNIT PAVERS	810.00 SF	\$20.00		\$16,200.00	\$17.50		\$14,175.00	\$18.00		\$14,580.00
0112	RAISED PLANTER CURB	2386.00 LF	\$55.00		\$131,230.00	\$75.00		\$178,950.00	\$100.00		\$238,600.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
0113	REINFORCED INTEGRAL SIDEWALK CURB	88.00 LF	\$55.00	\$4,840.00	\$80.00	\$7,040.00	\$108.00	\$9,504.00
0114	BUS SHELTER FOUNDATION	1.00 LS	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00
0115	BIKE RACK	15.00 EA	\$800.00	\$12,000.00	\$1,100.00	\$16,500.00	\$1,000.00	\$15,000.00
0116	REMOVE BIKE RACK	3.00 EA	\$500.00	\$1,500.00	\$1,000.00	\$3,000.00	\$500.00	\$1,500.00
0117	BIKER BAR	2.00 EA	\$1,500.00	\$3,000.00	\$2,450.00	\$4,900.00	\$1,500.00	\$3,000.00
0118	PLANTS WITH WARRANTY	1.00 LS	\$90,000.00	\$90,000.00	\$48,950.00	\$48,950.00	\$51,400.00	\$51,400.00
0119	LANDSCAPING BED	775.00 SF	\$5.00	\$3,875.00	\$2.00	\$1,550.00	\$2.00	\$1,550.00
0120	LANDSCAPING ROCK	20.00 CY	\$210.00	\$4,200.00	\$250.00	\$5,000.00	\$265.00	\$5,300.00
0121	MOBILIZATION	1.00 LS	\$417,775.70	\$417,775.70	\$515,500.00	\$515,500.00	\$278,000.00	\$278,000.00
0122	WATER SERVICE TRANSFER, 1 IN. SAME SIDE	5.00 EA	\$2,500.00	\$12,500.00	\$2,200.00	\$11,000.00	\$9,500.00	\$47,500.00
0123	WATER SERVICE TRANSFER, CL52 DI, 4-IN., 3333 GRAND AVENUE	1.00 LS	\$12,000.00	\$12,000.00	\$7,650.00	\$7,650.00	\$9,500.00	\$9,500.00
0124	WATER SERVICE TRANSFER, 6-IN., 3101 INGERSOLL AVENUE	1.00 LS	\$15,000.00	\$15,000.00	\$7,600.00	\$7,600.00	\$8,700.00	\$8,700.00
0125	DMWW TAP FEE, 1-IN.	5.00 EA	\$410.00	\$2,050.00	\$415.00	\$2,075.00	\$450.00	\$2,250.00
0126	WATER SERVICE TAP	3.00 EA	\$3,500.00	\$10,500.00	\$6,200.00	\$18,600.00	\$4,700.00	\$14,100.00
0127	RELOCATE STOP BOX	8.00 EA	\$2,500.00	\$20,000.00	\$1,550.00	\$12,400.00	\$650.00	\$5,200.00
0128	NEW STOP BOX HOUSING	4.00 EA	\$1,250.00	\$5,000.00	\$825.00	\$3,300.00	\$700.00	\$2,800.00
0129	NEW STOP BOX ROD	5.00 EA	\$1,250.00	\$6,250.00	\$500.00	\$2,500.00	\$500.00	\$2,500.00
0130	POTHOLING	20.00 EA	\$1,500.00	\$30,000.00	\$540.00	\$10,800.00	\$1,500.00	\$30,000.00
0131	CONCRETE CUTTING & SLURRY MANAGEMENT	1.00 LS	\$2,500.00	\$2,500.00	\$25,500.00	\$25,500.00	\$36,000.00	\$36,000.00
0132	REMOVE & SALVAGE ITEMS AT 3106 INGERSOLL	1.00 LS	\$2,500.00	\$2,500.00	\$5,000.00	\$5,000.00	\$5,900.00	\$5,900.00
0133	COMPLETION INCENTIVE, LUMP SUM, NO EXCUSE	1.00 LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
DIVISION 2 - DES MOINES WATER WORKS								
0134	WATER MAIN, TRENCHED, CL52 DI, STAB JOINT, 6-IN.	20.00 LF	\$200.00	\$4,000.00	\$175.00	\$3,500.00	\$376.00	\$7,520.00
0135	WATER MAIN, TRENCHED, CL52 DI, STAB JOINT, 12-IN.	580.00 LF	\$300.00	\$174,000.00	\$195.00	\$113,100.00	\$316.00	\$183,280.00
0136	FITTINGS BY WEIGHT, DUCTILE IRON	4648.00 LB	\$25.00	\$116,200.00	\$45.00	\$209,160.00	\$18.50	\$85,988.00
0137	VALVE, GATE, DUCTILE IRON (DI), 6-IN.	2.00 EA	\$3,200.00	\$6,400.00	\$3,100.00	\$6,200.00	\$2,100.00	\$4,200.00
0138	VALVE, GATE, DUCTILE IRON (DI), 12-IN.	2.00 EA	\$5,000.00	\$10,000.00	\$5,800.00	\$11,600.00	\$4,600.00	\$9,200.00
0139	FIRE HYDRANT ASSEMBLY, MJXAJ TEE, 6-IN. GATE VALVE	3.00 EA	\$10,000.00	\$30,000.00	\$9,650.00	\$28,950.00	\$8,400.00	\$25,200.00
0140	FIRE HYDRANT ASSEMBLY, REMOVAL	3.00 EA	\$5,000.00	\$15,000.00	\$1,900.00	\$5,700.00	\$1,800.00	\$5,400.00
0141	MAGNESIUM ANODE, 32 LB.	11.00 EA	\$1,000.00	\$11,000.00	\$1,000.00	\$11,000.00	\$700.00	\$7,700.00
0142	REMOVAL OF EXISTING WATER MAIN	340.00 LF	\$30.00	\$10,200.00	\$25.00	\$8,500.00	\$56.00	\$19,040.00
0143	WATER SERVICE TRANSFER, 1 IN., OPPOSITE SIDE	1.00 EA	\$10,000.00	\$10,000.00	\$6,500.00	\$6,500.00	\$13,000.00	\$13,000.00
0144	WATER SERVICE TRANSFER, 2 IN., SAME SIDE	1.00 EA	\$6,000.00	\$6,000.00	\$4,950.00	\$4,950.00	\$9,500.00	\$9,500.00
0145	WATER SERVICE TRANSFER, CL 52 DI, 6-IN., 3404 INGERSOLL AVENUE	1.00 LS	\$15,000.00	\$15,000.00	\$6,850.00	\$6,850.00	\$7,500.00	\$7,500.00
0146	DMWW TAP FEE, 1-IN.	1.00 EA	\$410.00	\$410.00	\$415.00	\$415.00	\$450.00	\$450.00
0147	DMWW TAP FEE, 2-IN.	1.00 EA	\$1,750.00	\$1,750.00	\$1,640.00	\$1,640.00	\$1,900.00	\$1,900.00
0148	FOUNDATION ROCK	40.00 TON	\$70.00	\$2,800.00	\$0.01	\$0.40	\$60.00	\$2,400.00
TOTAL CONSTRUCTION COST				\$5,630,000.00		\$5,688,431.11		\$5,700,325.00
PERCENT OF ENGINEER'S ESTIMATE						+1.04%		+1.25%