



6B

**Date** January 23, 2023

**ORDERING CONSTRUCTION OF  
E. 4TH STREET RECONSTRUCTION FROM EAST ML KING JR PARKWAY TO E.  
MARKET STREET  
AND FIXING A DATE FOR RECEIVING OF BIDS ON FEBRUARY 7, 2023  
AND PUBLIC HEARING ON FEBRUARY 20, 2023  
ENGINEER'S ESTIMATE IS \$4,750,000.00**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the attached communication recommending construction of the following improvement and the method of financing; and also including the recommendation of the Des Moines City Engineer, as the Engineer, submitting plans, specifications, form of contract documents, and Engineer's estimate of cost for the construction of the following improvement:

E. 4th Street Reconstruction from East ML King Jr Parkway to E. Market Street, 062022018

The improvement includes construction of Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, permeable pavers, PCC sidewalks, modified subbase, subdrain, storm sewer, intakes, biocells, pavement markings, electrical conduit, water main relocations, site furnishings, plantings, and miscellaneous associated work and incidental items; all in accordance with the contract documents, including Plan File No. 650-185/290, located on East 4th Street from East Martin Luther King Jr Parkway to East Market Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$4,750,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.

BE IT FURTHER RESOLVED: That this Council hereby determines that it is necessary and advisable to construct said improvement in the manner set forth in the plans, specifications, and form of contract documents submitted by the Engineer; and that payment for the cost of said improvement shall be paid from the funding source identified below.

BE IT FURTHER RESOLVED: That a public hearing on said plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be held in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 5:00 p.m. on February 20, 2023, at which time this Council will consider any objections offered thereto or to the making of said improvement.

BE IT FURTHER RESOLVED: That proposals will be received by the City of Des Moines, at the office of the Des Moines City Clerk until 11:00 a.m. on February 7, 2023, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be 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 February 7, 2023, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.



**Roll Call Number**

\_\_\_\_\_

**Agenda Item Number**

6B

**Date** January 23, 2023

BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 23-038 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

S/Kathleen Vanderpool

Kathleen Vanderpool  
Deputy City Attorney

S/Nickolas J. Schaul

Nickolas J. Schaul  
Director of Finance

**SLN**  
*pr*

Funding Source: 2022-23 CIP, 137, Market District Infrastructure Improvements, ST282, \$4,721,300 in TIF Bonds to be issued and the remaining \$28,700 from Des Moines Water Works

COUNCIL ACTION	Yeas	Nays	Pass	Absent
COWNIE				
BOESEN				
GATTO				
MANDELBAUM				
SHEUMAKER				
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

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**CONSTRUCTION ESTIMATE**

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 06-2022-018

Date: 12/13/2022

**PROJECT: E. 4TH STREET RECONSTRUCTION FROM EAST ML KING JR PARKWAY TO E. MARKET STREET**

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	*CLEARING AND GRUBBING	LS	1	\$15,000.00	\$15,000.00
2	*TOPSOIL, ON-SITE	CY	342	\$30.00	\$10,260.00
3	*EXCAVATION, CLASS 10, CONTRACTOR FURNISH	CY	4471	\$37.50	\$167,662.50
4	*SUBGRADE PREPARATION	SY	4315	\$8.00	\$34,520.00
5	*SUBGRADE TREATMENT, GEOGRID, TYPE 2	SY	2000	\$5.00	\$10,000.00
6	*SUBBASE, MODIFIED, 4 INCH.	SY	191	\$15.00	\$2,865.00
7	*SUBBASE, MODIFIED, 6 INCH.	SY	1059	\$20.00	\$21,180.00
8	*REMOVAL OF EXSITING DEBRIS	LS	1	\$30,000.00	\$30,000.00
9	*TRENCH FOUNDATION	TON	500	\$45.00	\$22,500.00
10	*REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	TON	250	\$50.00	\$12,500.00
11	SANITARY SEWER GRAVITY MAIN, TRENCHED, SOLID WALL PVC, 8"	LF	253	\$100.00	\$25,300.00
12	SANITARY SEWER SERVICE STUB, PVC, 8"	LF	104	\$130.00	\$13,520.00
13	*REMOVAL OF SANITARY SEWER,VCP, 8"	LF	93	\$30.00	\$2,790.00
14	STORM SEWER, TRENCHED, RCP, 15"	LF	314	\$150.00	\$47,100.00
15	STORM SEWER, TRENCHED, RCP, 18"	LF	152	\$175.00	\$26,600.00
16	STORM SEWER, TRENCHED, RCP, 24"	LF	314	\$200.00	\$62,800.00
17	STORM SEWER, TRENCHED, CLASS 52 DIP, 12"	LF	195	\$250.00	\$48,750.00
18	CONNECTION TO EXSITING STORM SEWER	EA	2	\$3,000.00	\$6,000.00
19	*REMOVAL OF STORM SEWER, RCP	LF	970	\$45.00	\$43,650.00
20	SUBDRAIN, TYPE 1, PVC, 6"	LF	1760	\$25.00	\$44,000.00
21	SUBDRAIN, TYPE 1, PVC, 8"	LF	1450	\$32.50	\$47,125.00
22	SUBDRAIN CLEANOUT, A-2, 8"	EA	11	\$1,250.00	\$13,750.00
23	SUBDRAIN OUTLETS AND CONNECTIONS, 6"	EA	24	\$1,000.00	\$24,000.00
24	SUBDRAIN, NYOPLAST DRAIN BASIN, 8"	EA	11	\$4,000.00	\$44,000.00
25	WATER MAIN, TRENCHED, DUCTILE IRON (DI), STAB JOINT, 8"	LF	220	\$200.00	\$44,000.00
26	FITTING, 8" X 8" TAPPING SLEEVE AND VALVE	EA	1	\$2,500.00	\$2,500.00
27	FITTING, 16" X 6" TAPPING SLEEVE AND VALVE	EA	1	\$3,500.00	\$3,500.00
28	*WATER MAIN ABANDONMENT, CAP, 6"	EA	2	\$1,000.00	\$2,000.00
29	FIRE HYDRANT ASSEMBLY	EA	2	\$10,000.00	\$20,000.00
30	*FIRE HYDRANT ASSEMBLY REMOVAL	EA	2	\$1,600.00	\$3,200.00
31	*PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	EA	2	\$10,000.00	\$20,000.00
32	MANHOLE, SW-301, 48"	EA	1	\$10,000.00	\$10,000.00
33	MANHOLE, SW-401, 48"	EA	1	\$8,000.00	\$8,000.00
34	MANHOLE, SW-401, 60"	EA	1	\$10,000.00	\$10,000.00
35	MANHOLE, SW-401, 72"	EA	1	\$12,000.00	\$12,000.00
36	MANHOLE, SW-404, 5' X 11'	EA	1	\$75,000.00	\$75,000.00
37	GREEN INFRASTRUCTURE TROUGH	EA	8	\$7,000.00	\$56,000.00
38	INTAKE, SW-501	EA	2	\$6,500.00	\$13,000.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
39	INTAKE, SW-505	EA	6	\$12,500.00	\$75,000.00
40	MANHOLE ADJUSTMENT, MINOR	EA	3	\$2,500.00	\$7,500.00
41	CONNECTION TO EXISTING MANHOLE	EA	1	\$3,500.00	\$3,500.00
42	* REMOVE MANHOLE	EA	10	\$1,500.00	\$15,000.00
43	* REMOVE INTAKE	EA	6	\$1,500.00	\$9,000.00
44	BIOCELL CROSS BEAM	LF	108	\$125.00	\$13,500.00
45	BIOCELL WALL	LF	2566	\$125.00	\$320,750.00
46	CURB CUT	EA	8	\$5,000.00	\$40,000.00
47	PAVEMENT, PCC, 8 INCH.	SY	3123	\$95.00	\$296,685.00
48	* REMOVAL OF SIDEWALK	SY	690	\$20.00	\$13,800.00
49	* REMOVAL OF DRIVEWAY	SY	248	\$25.00	\$6,200.00
50	SIDEWALK, PCC, CLASS A, 6 INCH.	SY	525	\$125.00	\$65,625.00
51	SIDEWALK, PCC, 5"	SY	865	\$70.00	\$60,550.00
52	SIDEWALK, PCC, 5", TOP-CAST CONCRETE	SY	307	\$100.00	\$30,700.00
53	SIDEWALK, PCC, 6"	SY	680	\$80.00	\$54,400.00
54	SIDEWALK, PCC, 6", COLORED BIKE LANE	SY	1010	\$145.00	\$146,450.00
55	BRICK/PAVER SIDEWALK WITH PAVEMENT BASE	SY	218	\$250.00	\$54,500.00
56	DETECTABLE WARNING	SF	604	\$55.00	\$33,220.00
57	* GRANULAR SURFACING, CLASS A CRUSHED STONE	TON	250	\$60.00	\$15,000.00
58	* REMOVAL OF PAVEMENT	SY	5238	\$25.00	\$130,950.00
59	* ENGINEERING FABRIC	SY	3215	\$5.00	\$16,075.00
60	* STORAGE AGGREGATE	TON	727	\$130.00	\$94,510.00
61	* FILTER AGGREGATE	TON	162	\$125.00	\$20,250.00
62	PERMEABLE INTERLOCKING PAVERS	SY	798	\$125.00	\$99,750.00
63	PCC EDGE RESTRAINT, PCC, 4 INCH.	LF	168	\$130.00	\$21,840.00
64	* PAINTED PAVEMENT MARKINGS, DURABLE, EPOXY	STA	11.28	\$300.00	\$3,384.00
65	* PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA)	SF	345	\$50.00	\$17,250.00
66	* PERMANENT TAPE MARKINGS, PROFILE PAVEMENT MARKING TAPE	STA	6.48	\$500.00	\$3,240.00
67	* PAINTED SYMBOLS AND LEGENDS, DURABLE, EPOXY	EA	11	\$400.00	\$4,400.00
68	* GROOVES CUT FOR PAVEMENT MARKINGS	STA	17.76	\$100.00	\$1,776.00
69	* GROOVES CUT FOR SYMBOLS AND LEGENDS	EA	11	\$250.00	\$2,750.00
70	TYPE A SIGN, SHEET ALUMINUM	SF	95	\$30.00	\$2,850.00
71	SIGN POST, ROUND, STEEL POST	LF	166	\$20.00	\$3,320.00
72	SIGN POST, SQUARE, PERFORATED STEEL TUBE	LF	64	\$20.00	\$1,280.00
73	* REMOVAL OF SIGN AND SIGN POST	EA	9	\$150.00	\$1,350.00
74	* TEMPORARY TRAFFIC CONTROL	LS	1	\$35,000.00	\$35,000.00
75	STREET LIGHT POLE FOUNDATION AND BASE	EA	12	\$7,000.00	\$84,000.00
76	ELECTRICAL CONDUIT, SCHEDULE 40, 1.5"	LF	1882	\$22.50	\$42,345.00
77	ELECTRICAL CONDUIT, SCHEDULE 40, 2"	LF	1780	\$30.00	\$53,400.00
78	ELECTRICAL CONDUIT, SCHEDULE 40, 4"	LF	2220	\$45.00	\$99,900.00
79	ELECTRICAL CONDUIT, SCHEDULE 40, 6"	LF	1765	\$50.00	\$88,250.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
80	ELECTRICAL HANDHOLE, 12" X 12"	EA	8	\$1,750.00	\$14,000.00
81	ELECTRICAL HANDHOLE, 18" DIA.	EA	2	\$2,500.00	\$5,000.00
82	*HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	AC	0.3	\$15,000.00	\$4,500.00
83	*PLANTS WITH WARRANTY, DECIDUOUS TREE, B&B	EA	48	\$750.00	\$36,000.00
84	*PLANTS WITH WARRANTY, SHRUB, CONT	EA	134	\$100.00	\$13,400.00
85	*PLANTS WITH WARRANTY, PERENNIAL PLANT, CONT	EA	1847	\$25.00	\$46,175.00
86	*DOUBLE-SHREDDED HARDWOOD MULCH	CY	45	\$100.00	\$4,500.00
87	*STORMWATER POLLUTION PREVENTION	LS	1	\$25,000.00	\$25,000.00
88	*FILTER SOCK, 9"	LF	2000	\$3.00	\$6,000.00
89	*FILTER SOCKS, REMOVAL	LF	2000	\$1.00	\$2,000.00
90	*STABILIZED CONSTRUCTION ENTRANCE	TON	250	\$60.00	\$15,000.00
91	*INLET PROTECTION DEVICE	EA	14	\$200.00	\$2,800.00
92	*INLET PROTECTION DEVICE, MAINTENANCE	EA	14	\$75.00	\$1,050.00
93	IRRIGATION SYSTEM	LS	1	\$150,000.00	\$150,000.00
94	*SOIL TYPE 1 (BIOCELL)	CY	675	\$105.00	\$70,875.00
95	*SOIL TYPE 2 (STRUCTURAL)	CY	126	\$225.00	\$28,350.00
96	*CHOKER AGGREGATE, AT BIOCELL	TON	52	\$65.00	\$3,380.00
97	*AGGREGATE SUBBASE, AT BIOCELL	TON	271	\$65.00	\$17,615.00
98	CURB CUT COVER PLATE	LF	82	\$300.00	\$24,600.00
99	*EROSION CONTROL ROCK, 3"-6" TRAP ROCK	TON	13	\$250.00	\$3,250.00
100	METAL BIORETENTION EDGE	LF	2170	\$113.00	\$245,210.00
101	METAL BIORETENTION EDGE-DECORATIVE	LF	470	\$166.00	\$78,020.00
102	WEIR TYPE 1 (METAL)	EA	18	\$1,500.00	\$27,000.00
103	BIOCELL BRIDGE (METAL)	EA	7	\$21,500.00	\$150,500.00
104	BIKE RACK (WOOD TOP)	EA	23	\$900.00	\$20,700.00
105	BENCH TYPE 1 (BACKED)	EA	1	\$5,000.00	\$5,000.00
106	BENCH TYPE 2 (BACKLESS)	EA	8	\$3,500.00	\$28,000.00
107	LITTER RECEPTACLE TYPE 1 (TRASH)	EA	3	\$2,600.00	\$7,800.00
108	LITTER RECEPTACLE TYPE 2 (RECYCLING)	EA	3	\$2,600.00	\$7,800.00
109	PET WASTE STATION	EA	2	\$400.00	\$800.00
110	*CONSTRUCTION SURVEY	AL	1	\$40,000.00	\$40,000.00
111	*MOBILIZATION	LS	1	\$496,352.50	\$496,352.50
112	*CONCRETE WASHOUT	LS	1	\$25,000.00	\$25,000.00

Prepared By: Matt Radermacher

Checked By: \_\_\_\_\_

**TOTAL CONSTRUCTION COST**

**\$4,750,000.00**

\* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

\* Estimate Total= \$1,629,310.00