



DATE October 24, 2022

ORDERING CONSTRUCTION OF  
MCKINLEY AVENUE RECONSTRUCTION FROM SOUTH UNION STREET TO SW 9TH STREET  
AND FIXING A DATE FOR RECEIVING OF BIDS ON NOVEMBER 8, 2022  
AND PUBLIC HEARING ON DECEMBER 12, 2022  
ENGINEER'S ESTIMATE IS \$5,656,000.00

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:

McKinley Avenue Reconstruction from South Union Street to SW 9th Street , 062021008

The improvement includes reconstructing McKinley Avenue with Portland Cement Concrete (PCC) roadway paving, PCC sidewalks, PCC driveways, and PCC multi-use trail, storm sewer, storm sewer intakes and manholes, subdrain, clearing and grubbing, earthwork and grading, water main construction, traffic signals, pavement markings, signage, erosion control, and restoration; all in accordance with the contract documents, including Plan File No.648-001/217, located along McKinley Avenue from South Union Street to SW 9th Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$5,656,000.00. 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 December 12, 2022, 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 November 8, 2022, 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 November 8, 2022, 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**

6A

DATE October 24, 2022

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 22-472 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

sl Kathleen Vanderpool

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

Funding Source: 2022-23 CIP, Page 115, McKinley Avenue Improvements, ST212, G.O. Bonds, Being: \$4,300,000 in G.O. Bonds; \$600,000 in G.O. Bonds to be issued; and the remaining \$756,000 from Des Moines Water Works.

SLN  
PW

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

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

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

\_\_\_\_\_  
Mayor

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

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**CONSTRUCTION ESTIMATE**

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 06-2021-008

Date: 10/3/2022

**PROJECT: MCKINLEY AVENUE RECONSTRUCTION FROM SOUTH UNION STREET TO SW 9TH STREET**

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
<b>DIVISION 1: CITY OF DES MOINES</b>					
1	* CLEARING AND GRUBBING	UNIT	286.5	\$100.00	\$28,650.00
2	TOPSOIL, ON-SITE	CY	1817	\$35.00	\$63,595.00
3	EXCAVATION, CLASS 10	CY	4738	\$25.00	\$118,450.00
4	BELOW GRADE EXCAVATION (CORE OUT)	CY	440	\$75.00	\$33,000.00
5	SUBGRADE PREPARATION, 6 IN.	SY	10555	\$4.00	\$42,220.00
6	SUBGRADE TREATMENT, GEOGRID, TRIANGULAR TYPE 2 OR 3	SY	10555	\$5.00	\$52,775.00
7	SUBBASE, MODIFIED, 6 IN.	SY	10555	\$16.00	\$168,880.00
8	* REMOVAL OF RETAINING WALL	LF	184	\$50.00	\$9,200.00
9	* REMOVALS	LS	1	\$10,000.00	\$10,000.00
10	* VIBRATION MONITORING	LS	1	\$20,000.00	\$20,000.00
11	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	TON	330	\$40.00	\$13,200.00
12	STORM SEWER, TRENCHED, RCP OR PP, 15 IN.	LF	1780	\$130.00	\$231,400.00
13	STORM SEWER, TRENCHED, RCP OR PP, 18 IN.	LF	502	\$150.00	\$75,300.00
14	STORM SEWER, TRENCHED, RCP OR PP, 24 IN.	LF	385	\$175.00	\$67,375.00
15	REMOVAL OF STORM SEWER, RCP, LESS THAN OR EQUAL TO 36 IN.	LF	611	\$30.00	\$18,330.00
16	REMOVAL OF STORM SEWER, 2.5 FT. X 2 FT. BOX	LF	31	\$100.00	\$3,100.00
17	PIPE APRON, FOOTING, AND APRON GUARD, RCP, 15 IN.	EA	2	\$2,000.00	\$4,000.00
18	SUBDRAIN, TYPE 1, HDPE, 6 IN. DIA.	LF	205	\$32.00	\$6,560.00
19	SUBDRAIN, TYPE 2, HDPE, 8 IN. DIA.	LF	5320	\$35.00	\$186,200.00
20	SUBDRAIN OUTLETS AND CONNECTIONS, HDPE, 8 IN. DIA.	EA	45	\$500.00	\$22,500.00
21	STORM SEWER SERVICE STUB, PVC, 2 IN.	LF	950	\$17.00	\$16,150.00
22	* VIDEO INSPECTION FOR SEWER PIPES	LF	2667	\$3.00	\$8,001.00
23	LOWER WATER SERVICE	EA	7	\$3,000.00	\$21,000.00
24	MANHOLE, SW-401, 48 IN.	EA	3	\$5,000.00	\$15,000.00
25	MANHOLE, SW-401, 60 IN.	EA	2	\$7,000.00	\$14,000.00
26	INTAKE, SW-505	EA	33	\$9,000.00	\$297,000.00
27	INTAKE, SW-505, CAST-IN-PLACE	EA	5	\$15,000.00	\$75,000.00
28	INTAKE, SW-505, MODIFIED, CAST-IN-PLACE	EA	5	\$15,000.00	\$75,000.00
29	INTAKE, SW-512, 24 IN.	EA	2	\$3,500.00	\$7,000.00
30	INTAKE, SW-513, 6 FT. X 4 FT., CAST-IN-PLACE	EA	1	\$9,000.00	\$9,000.00
31	MANHOLE, ADJUSTMENT, MINOR	EA	3	\$3,000.00	\$9,000.00
32	MANHOLE, ADJUSTMENT, MAJOR	EA	19	\$5,000.00	\$95,000.00
33	MANHOLE, ADJUSTMENT, MAJOR, MH-100	EA	1	\$10,000.00	\$10,000.00
34	* REMOVE MANHOLE	EA	3	\$1,500.00	\$4,500.00
35	* REMOVE INTAKE	EA	4	\$2,200.00	\$8,800.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
36	PAVEMENT, PCC, CLASS C, 8 IN.	SY	8092	\$85.00	\$687,820.00
37 *	PAVEMENT SMOOTHNESS DEFICIENCY	SY	0	(\$1.00)	\$0.00
38 *	PCC PAVEMENT THICKNESS DEFICIENCY	SY	0	(\$1.00)	\$0.00
39	CURB AND GUTTER, 2.5 FT., 8 IN.	LF	405	\$50.00	\$20,250.00
40	CONCRETE MEDIAN, 10-IN.	SY	151	\$300.00	\$45,300.00
41	PCC PAVEMENT WIDENING, 8-IN.	SY	404	\$78.00	\$31,512.00
42 *	REMOVAL OF SIDEWALK AND DRIVEWAY	SY	3362	\$12.00	\$40,344.00
43	SHARED USE PATH, PCC, 6 IN.	SY	2412	\$68.00	\$164,016.00
44	SPECIAL SUBGRADE PREPARATION FOR SHARED USE PATH, 6 IN.	SY	3152	\$3.50	\$11,032.00
45	SIDEWALK, PCC, 5 IN.	SY	1114	\$65.00	\$72,410.00
46	SIDEWALK, PCC, 6 IN.	SY	71	\$110.00	\$7,810.00
47	SIDEWALK, PCC, 10 IN.	SY	95	\$140.00	\$13,300.00
48	SIDEWALK, PCC, COLORED, 5 IN.	SY	91	\$150.00	\$13,650.00
49	SIDEWALK, PCC, COLORED, 6 IN.	SY	102	\$175.00	\$17,850.00
50	SIDEWALK, PCC, COLORED, 10 IN.	SY	9	\$200.00	\$1,800.00
51	DETECTABLE WARNINGS	SF	355	\$65.00	\$23,075.00
52	DRIVEWAY, PAVED, PCC, 6 IN.	SY	2090	\$75.00	\$156,750.00
53	DRIVEWAY, PAVED, PCC, 7 IN.	SY	126	\$80.00	\$10,080.00
54 *	DRIVEWAY, GRANULAR, CLASS A CRUSHED STONE, 6 IN.	TON	89	\$50.00	\$4,450.00
55	FULL DEPTH PATCHES	SY	81	\$300.00	\$24,300.00
56	SUBBASE OVER-EXCAVATION FOR PATCHING	TON	55	\$60.00	\$3,300.00
57 *	PAVEMENT REMOVAL	SY	7972	\$18.00	\$143,496.00
58 *	REMOVAL OF CONCRETE MEDIAN	SY	151	\$150.00	\$22,650.00
59 *	TEMPORARY GRANULAR SURFACING	TON	3200	\$26.00	\$83,200.00
60 *	TEMPORARY PAVEMENT, 6 IN.	SY	514	\$65.00	\$33,410.00
61	TRAFFIC SIGNALIZATION	LS	1	\$285,000.00	\$285,000.00
62 *	REMOVAL OF TRAFFIC SIGNALIZATION	LS	1	\$30,000.00	\$30,000.00
63	TRAFFIC SIGNAL INTERCONNECT	LS	1	\$190,000.00	\$190,000.00
64 *	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	22.8	\$85.00	\$1,938.00
65 *	PAINTED PAVEMENT MARKINGS, DURABLE	STA	0.9	\$250.00	\$225.00
66 *	PERMANENT TAPE MARKINGS, REGULAR MARKING TAPE	STA	50.7	\$550.00	\$27,885.00
67 *	PAINTED SYMBOLS AND LEGENDS, DURABLE	EA	4	\$350.00	\$1,400.00
68 *	PAVEMENT MARKINGS REMOVED	STA	37.6	\$40.00	\$1,504.00
69 *	SYMBOLS AND LEGENDS REMOVED	EA	4	\$120.00	\$480.00
70	GROOVES CUT FOR PAVEMENT MARKINGS	STA	50.7	\$150.00	\$7,605.00
71	GROOVES CUT FOR SYMBOLS AND LEGENDS	EA	4	\$150.00	\$600.00
72 *	TEMPORARY TRAFFIC CONTROL	LS	1	\$85,000.00	\$85,000.00
73 *	PORTABLE DYNAMIC MESSAGE SIGNS (PDMS)	CDAY	98	\$150.00	\$14,700.00
74 *	REMOVE AND REINSTALL SIGN, AS PER PLAN	EA	1	\$350.00	\$350.00
75 *	REMOVAL OF SIGN AND SIGN POST	EA	31	\$150.00	\$4,650.00
76 *	TYPE A SIGNS, SHEET ALUMINUM	SF	175	\$25.00	\$4,375.00

GA

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
77 *	SIGN POST, PERFORATED SQUARE, STEEL TUBE POST	LF	450	\$25.00	\$11,250.00
78 *	TEMPORARY BARRIER RAIL, CONCRETE	LF	100	\$20.00	\$2,000.00
79 *	FLAGGERS	EA	50	\$555.00	\$27,750.00
80 *	SEEDING AND FERTILIZING FOR HYDRAULIC SEEDING, TYPE 1	ACRE	1.5	\$3,500.00	\$5,250.00
81 *	WATERING	MGAL	164	\$100.00	\$16,400.00
82 *	SOD	SQ	543	\$100.00	\$54,300.00
83 *	STORM WATER POLLUTION PREVENTION PLAN (SWPPP)	LS	1	\$10,000.00	\$10,000.00
84 *	FILTER SOCK, 9 IN.	LF	8540	\$2.00	\$17,080.00
85 *	FILTER SOCK, REMOVAL	LF	8540	\$1.00	\$8,540.00
86 *	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP), TYPE 2.B.	SY	278	\$5.00	\$1,390.00
87	RIP RAP, EROSION STONE	TON	4	\$200.00	\$800.00
88 *	EROSION CONTROL MULCH, HYDROMULCH (BFM)	ACRE	3	\$4,000.00	\$12,000.00
89 *	INLET PROTECTION DEVICE, ROCK	EA	50	\$250.00	\$12,500.00
90 *	INLET PROTECTION DEVICE, DROP-IN	EA	88	\$250.00	\$22,000.00
91 *	INLET PROTECTION DEVICE, OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EA	1	\$200.00	\$200.00
92 *	INLET PROTECTION DEVICE, MAINTENANCE	EA	178	\$50.00	\$8,900.00
93	CHAIN LINK FENCE, ZINC-COATED FABRIC, 42 IN.	LF	237	\$60.00	\$14,220.00
94	CHAIN LINK FENCE, BLACK VINYL COATED, 42 IN.	LF	261	\$85.00	\$22,185.00
95	WOODEN FENCE, 72 IN.	LF	26	\$80.00	\$2,080.00
96 *	REMOVAL OF FENCE	LF	343	\$12.00	\$4,116.00
97	MODULAR BLOCK RETAINING WALL	SF	824	\$45.00	\$37,080.00
98	SEGMENTAL BLOCK RETAINING WALL	SF	2240	\$60.00	\$134,400.00
99	CONCRETE STEPS, TYPE A	SF	42.5	\$110.00	\$4,675.00
100	HANDRAIL, GALVANIZED STEEL PIPE, BLACK POWDER COATED	LF	17	\$200.00	\$3,400.00
101 *	TREE PROTECTION FENCE	LF	1460	\$12.00	\$17,520.00
102 *	TREE TRUNK PROTECTION	EA	13	\$500.00	\$6,500.00
103 *	TREE AND SHRUB TRIMMING	EA	5	\$500.00	\$2,500.00
104 *	MOWING	ACRE	3	\$600.00	\$1,800.00
105 *	MOBILIZATION	LS	1	\$237,461.00	\$237,461.00
106 *	MAINTENANCE OF POSTAL SERVICE	LS	1	\$20,000.00	\$20,000.00
107 *	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1	\$20,000.00	\$20,000.00
108 *	REMOVE, SALVAGE, AND REINSTALL MAILBOX	LS	1	\$25,000.00	\$25,000.00
109 *	CONCRETE WASHOUT	LS	1	\$10,000.00	\$10,000.00

DIVISION 1, TOTAL \$4,900,000.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
<b>DIVISION 2: DES MOINES WATER WORKS</b>					
201	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	TON	2200	\$35.00	\$77,000.00
202	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 4-INCH	LF	24	\$90.00	\$2,160.00
203	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 8-INCH	LF	390	\$100.00	\$39,000.00
204	WATER MAIN, TRENCHED, C900 POLYVINYL CHLORIDE (PVC), 12-INCH	LF	2391	\$110.00	\$263,010.00
205	FITTINGS BY WEIGHT, DUCTILE IRON (DI), ALL FITTINGS	LB	2778	\$14.00	\$38,892.00
206	WATER SERVICE TRANSFER, COPPER, 1 IN., SAME SIDE	EA	20	\$2,000.00	\$40,000.00
207	WATER SERVICE TRANSFER, COPPER, 2 IN., SAME SIDE	EA	3	\$2,250.00	\$6,750.00
208	WATER SERVICE TRANSFER, COPPER, 1 IN., OPPOSITE SIDE	EA	21	\$3,000.00	\$63,000.00
209 *	WATER MAIN REMOVAL	LF	864	\$20.00	\$17,280.00
210	VALVE, GATE, DUCTILE IRON (DI), 8-INCH	EA	7	\$2,200.00	\$15,400.00
211	VALVE, GATE, DUCTILE IRON (DI), 12-INCH	EA	7	\$3,600.00	\$25,200.00
212	TAPPING VALVE ASSEMBLY, 12-INCH	EA	1	\$7,300.00	\$7,300.00
213	FIRE HYDRANT ASSEMBLY	EA	7	\$6,600.00	\$46,200.00
214	FLUSHING DEVICE (BLOWOFF), 6-INCH	EA	1	\$2,000.00	\$2,000.00
215	VALVE BOX EXTENSION	EA	1	\$600.00	\$600.00
216	FIRE HYDRANT ADJUSTMENT	EA	1	\$2,500.00	\$2,500.00
217	FIRE HYDRANT ASSEMBLY REMOVAL	EA	6	\$1,800.00	\$10,800.00
218	STA 99+91.32 (SW 9TH) TEE/VALVE REMOVAL WITH DIP NIGHT INSTALLATION	LS	1	\$4,158.00	\$4,158.00
219	FULL DEPTH PATCHES	SY	264	\$300.00	\$79,200.00
220 *	TEMPORARY GRANULAR SURFACING, 6 IN.	TON	220	\$26.00	\$5,720.00
221 *	TEMPORARY BARRIER RAIL, CONCRETE	LF	325	\$20.00	\$6,500.00
222 *	FLAGGERS	EA	6	\$555.00	\$3,330.00

**DIVISION 2, TOTAL      \$756,000.00**

Prepared By: Brett Lewis

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

<b>TOTAL CONSTRUCTION COST (DIVISION 1 + DIVISION 2)</b>	<b>\$5,656,000.00</b>
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\* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

\* Estimate Total=    \$1,176,495.00