



DATE December 6, 2021

ORDERING CONSTRUCTION OF
CLOSES CREEK STORM SEWER IMPROVEMENTS PHASE 3
AND FIXING A DATE FOR RECEIVING OF BIDS ON DECEMBER 21, 2021
AND PUBLIC HEARING ON JANUARY 24, 2022
ENGINEER'S ESTIMATE IS \$9,000,000.00

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:

Closes Creek Storm Sewer Improvements Phase 3, 082021005

The improvement includes constructing new 6 feet x 4 feet Reinforced Concrete Box (RCB) storm sewer, 15 inch to 72 inch Reinforced Concrete Pipe (RCP) storm sewer, precast manholes, cast-in-place manholes and intakes, 8 inch to 12 inch Ductile Iron (DI) sanitary sewer, Polypropylene Pipe (PP) storm sewer, Poly Vinyl Chloride (PVC) water main, Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, subdrain and footing drains, traffic signalization, earthwork and grading, erosion control, fencing, restoration, and other associated and incidental items; all in accordance with contract documents, including Plan File No. 637-001/151, generally located on Hazelwood Drive from Northwest Drive to Franklin Avenue, Franklin Avenue from Beaver Avenue to 48th Street, and 48th Street from Franklin Avenue to Hickman Road, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$9,000,000.00. 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 January 24, 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 December 21, 2021, 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 December 21, 2021, 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

7C

DATE December 6, 2021

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 21-512 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

s/ Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN
PW

Funding Source: 2021-2022 CIP, Page 98, Closes Creek Watershed Improvements, SM068, Being: \$2,500,000 of Stormwater Utility Bonds Issued; \$4,463,000 Stormwater Utility Bonds to be issued, \$1,100,000 in G.O. bonds to be issued transferred from ST286 - Franklin Ave - Beaver Ave to Merle Hay Road, \$350,000 in LOSST funds transferred from ST800 – LOSST Street Improvements; and the remaining \$587,000 from Des Moines Water Works

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

I, P. Kay Cmelik, 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

CONSTRUCTION ESTIMATE

7C

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 08-2021-005

Date: 11/8/2021

PROJECT: CLOSES CREEK STORM SEWER IMPROVEMENTS PHASE 3

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	500	\$25.00	\$12,500.00
3	* Excavation, Class 10	CY	2500	\$25.00	\$62,500.00
4	* Below Grade Excavation (Core Out)	CY	500	\$30.00	\$15,000.00
5	* Subgrade Preparation	SY	11634	\$8.00	\$93,072.00
6	* Subgrade Treatment, Geogrid, Type 2	SY	2327	\$5.00	\$11,635.00
7	* Subbase, Modified, 6 in	SY	8297	\$15.00	\$124,455.00
8	* Subbase, Special Backfill, 6 in	SY	3338	\$15.00	\$50,070.00
9	* Class A Roadstone	TON	3600	\$35.00	\$126,000.00
10	* Trench Foundation	TON	500	\$40.00	\$20,000.00
11	* Imported Granular Backfill	TON	5000	\$40.00	\$200,000.00
12	Special Pipe Support	EA	23	\$3,000.00	\$69,000.00
13	Sanitary Sewer Gravity Main, Trenched, DIP, 8"	LF	30	\$250.00	\$7,500.00
14	Sanitary Sewer Gravity Main, Trenched, DIP, 10"	LF	143	\$300.00	\$42,900.00
15	Sanitary Sewer Gravity Main, Trenched, DIP, 12"	LF	30	\$350.00	\$10,500.00
16	Sanitary Service Replacement	EA	41	\$5,000.00	\$205,000.00
17	Storm Sewer, Trenched, 15 in	LF	510	\$150.00	\$76,500.00
18	Storm Sewer, Trenched, 18 in	LF	203	\$175.00	\$35,525.00
19	Storm Sewer, Trenched, 24 in	LF	153	\$200.00	\$30,600.00
20	Storm Sewer, Trenched, RCP, 30 in, Class IV	LF	26	\$220.00	\$5,720.00
21	Storm Sewer, Trenched, RCP, 36 in	LF	83	\$240.00	\$19,920.00
22	Storm Sewer, Trenched, RCP, 36 in, Class IV	LF	1234	\$260.00	\$320,840.00
23	Storm Sewer, Trenched, DIP, 36 in	LF	32	\$350.00	\$11,200.00
24	Storm Sewer, Trenched, RCP, 60 in, Class IV	LF	1417	\$475.00	\$673,075.00
25	Storm Sewer, Trenched, RCP, 72 in, Class IV	LF	149	\$600.00	\$89,400.00
26	Storm Sewer, Trenchless, RCP, 36 in	LF	170	\$1,250.00	\$212,500.00
27	Storm Sewer, Trenchless, RCP, 60 in	LF	500	\$1,750.00	\$875,000.00
28	Storm Sewer, Trenchless, RCP, 72 in	LF	360	\$2,250.00	\$810,000.00
29	* Removal of Storm Sewer, RCP, =<30 in	LF	1186	\$30.00	\$35,580.00
30	* Removal of Storm Sewer, RCP, >36 in	LF	62	\$40.00	\$2,480.00
31	* Storm Sewer Abandonment, Fill and Plug	CY	49	\$125.00	\$6,125.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
32	Reinforced Concrete Box (RCB), Single Cell, 6 ft x 4 ft	LF	78	\$850.00	\$66,300.00
33	Subdrain, Type 1, 8 in	LF	2840	\$30.00	\$85,200.00
34	Footing Drain Collector, 10 in, Trenchless	LF	542	\$120.00	\$65,040.00
35	Subdrain Cleanout, Type A-1, 6 in	EA	14	\$1,000.00	\$14,000.00
36	Subdrain Outlet and Connections, 8 in	EA	32	\$1,000.00	\$32,000.00
37	Footing Drain Outlet and Connection, 12 in	EA	2	\$1,000.00	\$2,000.00
38	Storm Sewer Service Stub	EA	10	\$1,250.00	\$12,500.00
39 *	Pipe Cleaning and Inspection, 8" Storm Sewer	LF	100	\$10.00	\$1,000.00
40 *	Pipe Cleaning and Inspection, 8" Sanitary Sewer	LF	100	\$10.00	\$1,000.00
41	Water Main, Trenched, C900 DR18 PVC, RJ, 8 IN	LF	301	\$200.00	\$60,200.00
42	Water Main, Trenched, C900 DR18 PVC, Stab Joint, 8 IN	LF	2018	\$200.00	\$403,600.00
43	Water Main with Casing Pipe, Trenched, C900 DR18 PVC, RJ, 16 IN. C900 DR18 PVC Casing, No Chocks	LF	40	\$225.00	\$9,000.00
44	Fittings By Weight, Ductile Iron	LB	2600	\$15.00	\$39,000.00
45	Valve, Gate, DIP, 8 IN	EA	10	\$1,000.00	\$10,000.00
46	Fire Hydrant Assembly	EA	6	\$6,000.00	\$36,000.00
47 *	Foundation Rock	TON	25	\$35.00	\$875.00
48	Thrust Block - Midspan, Pipe 8"	EA	3	\$2,500.00	\$7,500.00
49	1" Water Service Transfer, Opposite Side	EA	4	\$3,500.00	\$14,000.00
50	1" Water Service Transfer, Same Side	EA	14	\$2,500.00	\$35,000.00
51	Water Service Tap	EA	18	\$1,500.00	\$27,000.00
52	Manhole, Type SW-401, 48 in	EA	3	\$6,500.00	\$19,500.00
53	Manhole, Type SW-401, 60 in	EA	2	\$7,500.00	\$15,000.00
54	Manhole, Type SW-401, 78 in	EA	1	\$8,500.00	\$8,500.00
55	Manhole, Type SW-401, 84 in	EA	1	\$10,000.00	\$10,000.00
56	Manhole, Type SW-401, Modified, 96 in, 48 in Riser	EA	1	\$20,000.00	\$20,000.00
57	Manhole, Type SW-401, Modified, 96 in, 60 in Riser	EA	1	\$22,000.00	\$22,000.00
58	Manhole, Type SW-404, 8 ft x 4 ft, 48 in Riser	EA	1	\$40,000.00	\$40,000.00
59	Manhole, Type SW-404, 8 ft x 6 ft, 60 in Riser	EA	1	\$50,000.00	\$50,000.00
60	Manhole, Type SW-404, 10 ft x 6 ft, 48 in Riser	EA	1	\$60,000.00	\$60,000.00
61	Manhole, Type SW-404, 10 ft x 6 ft, 60 in Riser	EA	1	\$65,000.00	\$65,000.00
62	Manhole, Type SW-404, 10 ft x 10 ft, 48 in Riser	EA	3	\$75,000.00	\$225,000.00
63	Manhole, Type SW-405, 48 in	EA	5	\$15,000.00	\$75,000.00
64	Manhole, Type SW-405, 60 in	EA	2	\$20,000.00	\$40,000.00
65	Intake, Type SW-505	EA	17	\$10,000.00	\$170,000.00
66	Intake, Type SW-506, Modified	EA	2	\$15,000.00	\$30,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
67	Intake, Type SW-509	EA	12	\$15,000.00	\$180,000.00
68	Intake, Type SW-541	EA	2	\$15,000.00	\$30,000.00
69	Intake, Type SW-541, Modified	EA	1	\$15,000.00	\$15,000.00
70	Intake, Type SW-542	EA	2	\$3,000.00	\$6,000.00
71	Intake, Type SW-545, 12 ft Curb Opening	EA	1	\$15,000.00	\$15,000.00
72	Intake, Type SW-545, 14 ft Curb Opening	EA	1	\$17,500.00	\$17,500.00
73	Intake, PVC Catch Basin, 8"	EA	1	\$2,500.00	\$2,500.00
74	Manhole Adjustment, Minor	EA	14	\$2,500.00	\$35,000.00
75	Connection to Existing Intake	EA	2	\$2,500.00	\$5,000.00
76	Connection to Existing RCB	EA	1	\$10,000.00	\$10,000.00
77	Connection to Existing Sewer	EA	2	\$2,500.00	\$5,000.00
78	Connection to Existing Manhole	EA	1	\$2,500.00	\$2,500.00
79	* Remove Intake	EA	17	\$1,000.00	\$17,000.00
80	* Remove Manhole, Standard	EA	9	\$1,500.00	\$13,500.00
81	Pavement, PCC, 8 in	SY	7502	\$75.00	\$562,650.00
82	Curb and Gutter, 2', 8 in	LF	1750	\$45.00	\$78,750.00
83	* PCC Pavement Samples and Testing	LS	1	\$6,000.00	\$6,000.00
84	Pavement, 4" HMA ST Base, 1" Mix, PG 58-28 S	SY	3338	\$30.00	\$100,140.00
85	Pavement, 2" HMA ST Intermediate, 3/4" Mix, PG 58-28 S	SY	3338	\$20.00	\$66,760.00
86	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 V	TON	3500	\$110.00	\$385,000.00
87	* HMA Pavement Samples and Testing	LS	1	\$4,750.00	\$4,750.00
88	* Removal of Sidewalk	SY	1017	\$15.00	\$15,255.00
89	* Removal of Driveway	SY	543	\$15.00	\$8,145.00
90	Sidewalk, PCC, 4 in	SY	1488	\$45.00	\$66,960.00
91	Sidewalk, PCC, 6 in	SY	225	\$60.00	\$13,500.00
92	Detectable Warnings	SF	368	\$50.00	\$18,400.00
93	Driveway, Paved, PCC, 6 in	SY	647	\$60.00	\$38,820.00
94	Full Depth Patches, Composite	SY	760	\$125.00	\$95,000.00
95	* Milling	SY	6003	\$5.00	\$30,015.00
96	* Pavement Removal	SY	10334	\$15.00	\$155,010.00
97	* Curb and Gutter Removal	LF	242	\$15.00	\$3,630.00
98	Traffic Signalization	LS	1	\$160,000.00	\$160,000.00
99	* Painted Pavement Markings, Solvent/Waterborne	STA	125	\$60.00	\$7,500.00
100	* Painted Pavement Markings, Durable	STA	5	\$350.00	\$1,750.00
101	* Permanent Tape Markings	STA	95	\$500.00	\$47,500.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
102	* Painted Symbols and Legends	EA	22	\$200.00	\$4,400.00
103	* Precut Symbols and Legends	EA	12	\$400.00	\$4,800.00
104	* Pavement Markings Removed	STA	21.21	\$50.00	\$1,060.50
105	* Grooves Cut for Pavement Markings	STA	5	\$100.00	\$500.00
106	Traffic Signs, Permanent	EA	38	\$500.00	\$19,000.00
107	Perforated Square Steel Tube Sign Posts	EA	20	\$100.00	\$2,000.00
108	* Temporary Traffic Control	LS	1	\$100,000.00	\$100,000.00
109	* Hydraulic Seeding, Type 1	AC	1.5	\$6,000.00	\$9,000.00
110	* Stormwater Pollution Prevention	LS	1	\$10,000.00	\$10,000.00
111	* Erosion Control Mulching, Hydromulching	AC	3	\$4,000.00	\$12,000.00
112	* Inlet Protection Device	EA	38	\$200.00	\$7,600.00
113	* Inlet Protection Device, Maintenance	EA	38	\$50.00	\$1,900.00
114	* Linear Erosion Control	LF	300	\$3.00	\$900.00
115	* Linear Erosion Control, Removal	LF	300	\$1.00	\$300.00
116	* Tree Protection Fence	LF	675	\$5.00	\$3,375.00
117	* Construction Survey	LS	1	\$90,000.00	\$90,000.00
118	* Mobilization	LS	1	\$369,317.50	\$369,317.50
119	* Maintenance of Postal Service	LS	1	\$7,500.00	\$7,500.00
120	* Maintenance of Solid Waste Collection	LS	1	\$10,000.00	\$10,000.00
121	* Concrete Washout	LS	1	\$5,000.00	\$5,000.00
122	* Vibration Monitoring	LS	1	\$75,000.00	\$75,000.00
123	* Project Sign, Standard	EA	2	\$2,000.00	\$4,000.00
124	* Project Sign, Stormwater	EA	2	\$1,000.00	\$2,000.00

Prepared By: Matt Radermacher

Checked By: _____

TOTAL CONSTRUCTION COST

\$9,000,000.00

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

* Estimate Total= \$1,806,000.00