



6D

DATE March 22, 2021

ORDERING CONSTRUCTION OF
CLOSES CREEK STORM SEWER IMPROVEMENTS PHASE 2A AND 2B
AND FIXING A DATE FOR RECEIVING OF BIDS ON APRIL 6, 2021
AND PUBLIC HEARING ON MAY 10, 2021
ENGINEER'S ESTIMATE IS \$8,000,000.00

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 2A and 2B, 082021003

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer sizes 6 feet x 4 feet, 6 feet by 6 feet, and 8 feet x 6 feet, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 84-inches, trenchless storm sewer sizes 72-inches and 84-inches, precast manholes, cast-in-place manholes and intakes, Poly Vinyl Chloride (PVC) sanitary sewer sizes 10-inch, 15-inch, and 24-inch, Polypropylene Pipe (PP) storm sewer, cementitious storm sewer lining, Ductile iron (DI) water main, 4-inch and 6-inch Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, subdrain and footing drains, earthwork and grading, gabions, erosion control, fencing, restoration, and other associated and incidental items; all in accordance with contract documents, including Plan File Nos. 628-019/112, generally located from Beaver Avenue south of Witmer Parkway northeasterly to 33rd Street and Mondamin Avenue and also from College Avenue and 41st Street northerly to Northwest Drive, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$8,000,000.00. 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 MSC Board Room, 2nd Floor, Municipal Service Center, 1551 E. Martin Luther King Jr. Parkway, Des Moines, Iowa, at 5:00 p.m. on May 10, 2021, which may be held by electronic means to encourage and maintain social distancing to curb the spread of Covid 19 in the community without public access to the meeting location, 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 April 6, 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 April 6, 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

6D

DATE March 22, 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 21-127 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

sl Kathleen Vanderpool

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance

SLN

Funding Source: Recommended 2021-2022 CIP, Page Storm – 98, Closes Creek Watershed Improvements, SM068, Storm Water Utility Funds, Being: \$1,870,700 of Stormwater Utility Bonds Issued; \$6,000,000 Stormwater Utility Bonds to be issued; and the remaining \$129,300 from Des Moines Water Works

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

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.

MOTION CARRIED APPROVED

Mayor

City Clerk

60

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

ACT. ID 08-2021-003

DATE: 2/26/2021

PROJECT: CLOSES CREEK STORM SEWER IMPROVEMENTS - PHASE 2A AND 2B

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
1	* 2010-108-B-0	Clearing and Grubbing	AC	4.18	\$10,000.00	\$41,800.00
2	* 2010-108-D-1	Topsoil, On-site	CY	3856	\$25.00	\$96,400.00
3	* 2010-108-E-0	Excavation, Class 13	CY	24652	\$25.00	\$616,300.00
4	* 2010-108-F-0	Below Grade Excavation (Core Out)	CY	542	\$30.00	\$16,260.00
5	* 2010-108-G-0	Subgrade Preparation	SY	2648	\$8.00	\$21,184.00
6	* 2010-108-H-0	Subgrade Treatment, Geogrid, Type 2	SY	2648	\$5.00	\$13,240.00
7	* 2010-108-I-0	Subbase, Modified	TON	1424	\$40.00	\$56,960.00
8	* 2010-108-I-0	Subbase, Special Backfill	TON	223	\$35.00	\$7,805.00
9	* 2010-108-K-1	Filling and Plugging of Known Pipe and Conduit	CY	374	\$300.00	\$112,200.00
10	* 3010-108-C-0	Trench Foundation	TON	980	\$50.00	\$49,000.00
11	* ---	Imported Granular Backfill	TON	3200	\$40.00	\$128,000.00
12	* ---	Special Pipe Support	EA	7	\$2,000.00	\$14,000.00
13	4010-108-A-1	Sanitary Sewer Gravity Main, Trenched, PVC, 10 in	LF	196	\$85.00	\$16,660.00
14	4010-108-A-1	Sanitary Sewer Gravity Main, Trenched, PVC, 15 in	LF	286	\$110.00	\$31,460.00
15	4010-108-A-1	Sanitary Sewer Gravity Main, Trenched, PVC, 24 in	LF	662	\$150.00	\$99,300.00
16	4010-108-F-0	Sanitary Sewer Service Replacement	EA	7	\$4,000.00	\$28,000.00
17	* 4010-108-H-0	Removal of Sanitary Sewer	LF	842	\$30.00	\$25,260.00
18	4020-108-A-1	Storm Sewer, Trenched, RCP, 15 in	LF	136	\$150.00	\$20,400.00
19	4020-108-A-1	Storm Sewer, Trenched, RCP, 18 in	LF	202	\$175.00	\$35,350.00
20	4020-108-A-1	Storm Sewer, Trenched, RCP, 24 in	LF	147	\$200.00	\$29,400.00
21	4020-108-A-1	Storm Sewer, Trenched, PP, 24 in	LF	149	\$150.00	\$22,350.00
22	4020-108-A-1	Storm Sewer, Trenched, RCP, 30 in	LF	177	\$220.00	\$38,940.00
23	4020-108-A-1	Storm Sewer, Trenched, RCP, 36 in	LF	68	\$240.00	\$16,320.00
24	4020-108-A-1	Storm Sewer, Trenched, RCP, 42 in	LF	31	\$300.00	\$9,300.00
25	4020-108-A-1	Storm Sewer, Trenched, RCP, 72 in	LF	224	\$600.00	\$134,400.00
26	4020-108-A-2	Storm Sewer, Trenchless, RCP, 72 in, Class IV	LF	495	\$2,800.00	\$1,386,000.00
27	* 4020-108-D-0	Removal of Storm Sewer, RCP, <30 in	LF	595	\$25.00	\$14,875.00
28	* 4020-108-D-0	Removal of Storm Sewer, RCP, >36 in	LF	276	\$35.00	\$9,660.00
29	* 4020-108-D-0	Removal of Culvert, RCB, 4 ft Span	LF	747	\$150.00	\$112,050.00
30	* ---	Removal of RCB Headwall	EA	1	\$5,000.00	\$5,000.00
31	4030-108-A-1	Pipe Culvert, Trenched, RCP, 54 in	LF	86	\$500.00	\$43,000.00
32	4030-108-A-1	Pipe Culvert, Trenched, RCP, 84 in, Class IV	LF	157	\$650.00	\$102,050.00
33	4030-108-A-2	Pipe Culvert, Trenchless, RCP, 84 in, Class IV	LF	300	\$3,750.00	\$1,125,000.00
34	4030-108-B-0	Pipe Apron, 15 in	EA	1	\$2,000.00	\$2,000.00
35	4030-108-B-0	Pipe Apron, 24 in	EA	1	\$2,500.00	\$2,500.00
36	4030-108-B-0	Pipe Apron, 42 in	EA	1	\$3,500.00	\$3,500.00
37	4030-108-B-0	Pipe Apron, 54 in	EA	2	\$5,000.00	\$10,000.00
38	4030-108-B-0	Pipe Apron, 72 in	EA	2	\$7,500.00	\$15,000.00
39	4030-108-B-0	Pipe Apron, 84 in	EA	4	\$10,000.00	\$40,000.00
40	---	Reinforced Concrete Box (RCB), Single Cell, 6 ft x 4 ft	LF	99	\$1,000.00	\$99,000.00
41	---	Reinforced Concrete Box (RCB), Single Cell, 6 ft x 6 ft	LF	20	\$1,500.00	\$30,000.00
42	---	Reinforced Concrete Box (RCB), Single Cell, 8 ft x 6 ft	LF	171	\$1,500.00	\$256,500.00
43	---	Sloped End Section, Reinforced Concrete Box (RCB), Single Cell, 8 ft x 6 ft	EA	1	\$10,000.00	\$10,000.00
44	---	Parallel Wing Headwall, PCC, Cast-In-Place, 4 ft x 6 ft	EA	4	\$15,000.00	\$60,000.00
45	---	Parallel Wing Headwall, Reinforced Concrete Box (RCB), Single Cell, 6 ft x 6 ft	EA	1	\$10,000.00	\$10,000.00
46	---	Concrete Collar Connection, 4 ft x 6 ft	EA	5	\$18,000.00	\$90,000.00
47	---	Concrete Collar Connection, 6 ft x 6 ft	EA	1	\$20,000.00	\$20,000.00
48	---	Culvert Rehabilitation, Lining	LF	170	\$950.00	\$161,500.00
49	4040-108-A-0	Subdrain, Type 1, 6 in	LF	1205	\$30.00	\$36,150.00
50	4040-108-B-0	Footing Drain Collector, Type 2, Case D, 8 in	LF	337	\$40.00	\$13,480.00

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
51	4040-108-C-0	Subdrain Cleanout, Type A-1, 6 in	EA	14	\$750.00	\$10,500.00
52	4040-108-C-0	Footing Drain Cleanout, Type B, 24 in	EA	1	\$2,000.00	\$2,000.00
53	4040-108-D-0	Subdrain Outlet and Connections, 6 in	EA	16	\$750.00	\$12,000.00
54	4040-108-D-0	Footing Drain Outlet and Connection, 8 in	EA	1	\$800.00	\$800.00
55	4040-108-E-0	Sump Drain Service Connection	EA	3	\$500.00	\$1,500.00
56	---	Water Main, Trenched, DIP, 8 in	LF	376	\$160.00	\$60,160.00
57	---	Fitting, Bend, 8 in	EA	11	\$850.00	\$9,350.00
58	---	Fitting, Solid Sleeve, 8 in	EA	6	\$1,000.00	\$6,000.00
59	---	Water Service, 1 in, Opposite Side	EA	4	\$3,000.00	\$12,000.00
60	---	Water Service, 1 in, Same Side	EA	1	\$2,500.00	\$2,500.00
61	---	Magnesium Anode, 32-lb	EA	9	\$1,000.00	\$9,000.00
62 *	---	Removal of Water Main	LF	363	\$80.00	\$29,040.00
63	6010-108-A-0	Manhole, Type SW-301, 48 in	EA	5	\$7,500.00	\$37,500.00
64	6010-108-A-0	Manhole, Type SW-303, 48 in	EA	2	\$7,500.00	\$15,000.00
65	6010-108-A-0	Manhole, Type SW-401, 48 in	EA	1	\$5,000.00	\$5,000.00
66	6010-108-A-0	Manhole, Type SW-401, 72 in	EA	2	\$10,000.00	\$20,000.00
67	6010-108-A-0	Manhole, Type SW-402, Modified, 72 in x 48 in	EA	1	\$15,000.00	\$15,000.00
68	6010-108-A-0	Manhole, Type SW-404, 9 ft x 5 ft, 48 in Riser	EA	1	\$50,000.00	\$50,000.00
69	6010-108-A-0	Manhole, Type SW-404, 9 ft x 9 ft, 60 in Riser	EA	1	\$75,000.00	\$75,000.00
70	6010-108-A-0	Manhole, Type SW-404, 12 ft x 5 ft	EA	1	\$85,000.00	\$85,000.00
71	6010-108-A-0	Manhole, Type SW-404, Modified	EA	1	\$7,500.00	\$7,500.00
72	6010-108-A-0	Manhole, Type SW-405, 72 in	EA	1	\$10,000.00	\$10,000.00
73	6010-108-A-0	Manhole, Type SW-405, 84 in	EA	1	\$12,500.00	\$12,500.00
74	6010-108-B-0	Intake, Type SW-505	EA	9	\$10,000.00	\$90,000.00
75	6010-108-B-0	Intake, Type SW-506	EA	4	\$12,500.00	\$50,000.00
76	6010-108-B-0	Intake, Type SW-509	EA	3	\$15,000.00	\$45,000.00
77	6010-108-B-0	Intake, Type SW-512, 30 in	EA	1	\$5,000.00	\$5,000.00
78	6010-108-B-0	Intake, Type SW-541	EA	2	\$10,000.00	\$20,000.00
79	6010-108-B-0	Intake Extension, Type SW-542	EA	4	\$5,000.00	\$20,000.00
80	6010-108-B-0	Intake, Type SW-545, 14 ft Curb Opening	EA	1	\$12,500.00	\$12,500.00
81	6010-108-B-0	Intake, Type SW-545, 16 ft Curb Opening	EA	1	\$15,000.00	\$15,000.00
82	6010-108-B-0	Intake, Type SW-545, 18 ft Curb Opening	EA	1	\$17,500.00	\$17,500.00
83	---	Area Intake on Existing RCB	EA	1	\$2,500.00	\$2,500.00
84	---	Outlet Structure Modifications	EA	1	\$15,000.00	\$15,000.00
85	6010-108-C-2	External Drop Connection, SW-307, 6 in	EA	1	\$6,000.00	\$6,000.00
86	6010-108-C-2	External Drop Connection, SW-307, 10 in	EA	1	\$8,000.00	\$8,000.00
87	6010-108-C-2	External Drop Connection, SW-307, 15 in	EA	1	\$10,000.00	\$10,000.00
88	6010-108-E-0	Manhole Adjustment, Minor	EA	5	\$2,500.00	\$12,500.00
89	6010-108-F-0	Manhole Adjustment, Major	EA	3	\$3,500.00	\$10,500.00
90	6010-108-G-0	Connection to Existing Intake	EA	1	\$3,500.00	\$3,500.00
91	6010-108-G-0	Connection to Existing RCB	EA	2	\$3,500.00	\$7,000.00
92 *	6010-108-H-0	Remove Intake	EA	10	\$1,500.00	\$15,000.00
93 *	6010-108-H-0	Remove Manhole, Standard	EA	7	\$1,500.00	\$10,500.00
94 *	6010-108-H-0	Remove Manhole, Large	EA	6	\$3,000.00	\$18,000.00
95	7010-108-A-0	Pavement, PCC, 6 in	SY	513	\$75.00	\$38,475.00
96	7010-108-E-0	Curb and Gutter, 2.5', 6 in	LF	1086	\$50.00	\$54,300.00
97	7020-108-A-0	Pavement, HMA ST Base, 1" Mix, PG 58-28 S	TON	336	\$120.00	\$40,320.00
98	7020-108-A-0	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 V	TON	256	\$120.00	\$30,720.00
99 *	7020-108-I-0	HMA Pavement Samples and Testing	LS	1	\$1,000.00	\$1,000.00
100 *	7030-108-A-0	Removal of Sidewalk	SY	282	\$15.00	\$4,230.00
101 *	7030-108-A-0	Removal of Driveway	SY	395	\$15.00	\$5,925.00
102	7030-108-E-0	Sidewalk, PCC, 4 in	SY	242	\$60.00	\$14,520.00
103	7030-108-E-0	Sidewalk, PCC, 6 in	SY	40	\$100.00	\$4,000.00
104	7030-108-G-0	Detectable Warnings	SF	8	\$75.00	\$600.00

NO.	ITEM CODE	DESCRIPTION	ESTIMATED UNITS			AMOUNT
			UNIT	TOTAL	UNIT PRICE	TOTAL
105	7030-108-H-1	Driveway, Paved, PCC, 6 in	SY	185	\$85.00	\$15,725.00
106	7030-108-H-1	Driveway, Paved, PCC, 6 in, Reinforced	SY	62	\$100.00	\$6,200.00
107	7040-108-A-0	Full Depth Patches, PCC	SY	32	\$160.00	\$5,120.00
108 *	7040-108-H-0	Pavement Removal	SY	2483	\$20.00	\$49,660.00
109 *	7040-108-I-0	Curb and Gutter Removal	LF	70	\$12.00	\$840.00
110 *	8020-108-C-0	Painted Pavement Markings, Durable	STA	3.61	\$550.00	\$1,985.50
111 *	8030-108-A-0	Temporary Traffic Control	LS	1	\$75,000.00	\$75,000.00
112 *	9010-108-A-0	Conventional Seeding, Lawn Seed	AC	0.1	\$10,000.00	\$1,000.00
113 *	9010-108-A-0	Conventional Seeding, Native Seed, Detention Basin Mix	AC	1	\$4,000.00	\$4,000.00
114 *	9010-108-A-0	Conventional Seeding, Native Seed, Tall Sedge Meadow Mix	AC	0.2	\$5,000.00	\$1,000.00
115 *	9010-108-A-0	Conventional Seeding, Native Seed, Slope Mix	AC	1.75	\$3,500.00	\$6,125.00
116 *	9010-108-B-0	Hydraulic Seeding, Type 1	AC	1.1	\$5,000.00	\$5,500.00
117 *	9010-108-B-0	Hydraulic Seeding, Type 2	AC	1.5	\$5,000.00	\$7,500.00
118 *	9030-108-B-0	Plants with Warranty, Overstory Trees	EA	34	\$1,000.00	\$34,000.00
119 *	9030-108-B-0	Plants with Warranty, Ornamental Trees	EA	22	\$500.00	\$11,000.00
120 *	9030-108-B-0	Plants with Warranty, Shrub	EA	235	\$350.00	\$82,250.00
121 *	9040-108-A-0	Stormwater Pollution Prevention	LS	1	\$55,000.00	\$55,000.00
122 *	9040-108-E-0	Temporary RECP, Type 2	SY	8000	\$3.00	\$24,000.00
123 *	9040-108-G-0	Check Dam, Rock	TON	50	\$90.00	\$4,500.00
124 *	9040-108-J-0	Rip Rap, Class D	TON	2484	\$90.00	\$223,560.00
125 *	---	Concrete Grout for Rip Rap	CY	508	\$300.00	\$152,400.00
126 *	9040-108-O-2	Stabilized Construction Entrance	TON	150	\$40.00	\$6,000.00
127 *	9040-108-Q-2	Erosion Control Mulching, Hydromulching	AC	5.65	\$5,000.00	\$28,250.00
128 *	9040-108-T-1	Inlet Protection Device	EA	23	\$200.00	\$4,600.00
129 *	9040-108-T-2	Inlet Protection Device, Maintenance	EA	46	\$50.00	\$2,300.00
130 *	---	Linear Erosion Control	LF	6900	\$3.00	\$20,700.00
131 *	---	Linear Erosion Control, Removal	LF	6900	\$1.00	\$6,900.00
132	9050-108-A-0	Gabions	CY	121	\$500.00	\$60,500.00
133 *	---	Gabions, Removal	CY	140	\$50.00	\$7,000.00
134	9060-108-A-0	Fence, Chain Link, 4 ft	LF	542	\$40.00	\$21,680.00
135	9060-108-A-0	Fence, Chain Link, 6 ft	LF	148	\$50.00	\$7,400.00
136	---	Fence, Wood Privacy, 4 ft	LF	42	\$85.00	\$3,570.00
137	---	Fence, Wood Privacy, 6 ft	LF	64	\$100.00	\$6,400.00
138	9060-108-B-0	Gates, Chain Link, 4 ft High x 4 ft Span	EA	1	\$750.00	\$750.00
139	9060-108-B-0	Gates, Chain Link, 4 ft High x 5 ft Span	EA	2	\$750.00	\$1,500.00
140 *	9060-108-E-0	Removal of Fence	LF	1400	\$10.00	\$14,000.00
141 *	9060-108-F-0	Temporary Chain Link Fence, 4 ft	LF	130	\$30.00	\$3,900.00
142 *	---	Tree Protection Fence	LF	1500	\$5.00	\$7,500.00
143 *	11,020-108-A	Mobilization	LS	1	\$491,190.50	\$491,190.50
144 *	11,030-108-A	Maintenance of Postal Service	LS	1	\$7,500.00	\$7,500.00
145 *	11,030-108-B	Maintenance of Solid Waste Collection	LS	1	\$10,000.00	\$10,000.00
146 *	11,050-108-A	Concrete Washout	LS	1	\$7,500.00	\$7,500.00
147 *	---	Vibration Monitoring	LS	1	\$100,000.00	\$100,000.00
148 *	---	Project Sign, Stormwater	EA	4	\$500.00	\$2,000.00
TOTAL CONSTRUCTION COST						\$8,000,000.00

Prepared By: M. RADERMACHER

Checked By: _____

* Estimate Total= \$2,882,350.00

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