



Roll Call Number

Agenda Item Number

6 A

DATE July 18, 2022

ORDERING CONSTRUCTION OF
2022 SEWER LINING PROGRAM
AND FIXING A DATE FOR RECEIVING OF BIDS ON AUGUST 9, 2022
AND PUBLIC HEARING ON SEPTEMBER 12, 2022
ENGINEER'S ESTIMATE IS \$2,500,000.00

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:

2022 Sewer Lining Program, 072022007

The improvement includes the rehabilitation of approximately 12,000 lineal feet of 8-inch through 48-inch diameter sanitary sewers with cured-in-place pipe (CIPP) lining, bypass pumping, sewer cleaning and televising, sewer spot repairs, sewer spot lining, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Number 643-161/181, at the following locations: Fleur Drive, Grand Avenue, Ingersoll Avenue, 42nd Street, Allison Avenue, Ravina Drive, Waverly Drive, Riverview Drive, Oak Park Avenue, 16th Street, Clinton Avenue, Madison Avenue, 9th Street, 6th Avenue, 8th Street, 1st Street, Bowdoin Street, 3rd Street, Columbia Street, Cornell Street, Hull Avenue, Creston Avenue, and Meredith Drive, in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$2,500,000.00. 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 September 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 August 9, 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 August 9, 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.



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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 22-327 attached.)

Moved by _____ to adopt. Second by _____

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: 2022-23 CIP, Page 93, Sanitary Sewer Lining and Repairs, SS049, Sanitary Sewer Funds

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

I, Laura Baumgartner, Acting 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

6A

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 07-2022-007

Date: 05/10/22

PROJECT: 2022 Sewer Lining Program

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1 *	Replacement of Unsuitable Backfill Material	TON	50	\$25.00	\$1,250.00
2	Pipe Lining, CIPP, 8"	LF	800	\$45.00	\$36,000.00
3	Pipe Lining, CIPP, 10"	LF	5775	\$50.00	\$288,750.00
4	Pipe Lining, CIPP, 12"	LF	2300	\$55.00	\$126,500.00
5	Pipe Lining, CIPP, 15"	LF	1975	\$100.00	\$197,500.00
6	Pipe Lining, CIPP, 21"	LF	300	\$140.00	\$42,000.00
7	Pipe Lining, CIPP, 24"	LF	150	\$150.00	\$22,500.00
8	Pipe Lining, CIPP, 30"	LF	325	\$175.00	\$56,875.00
9	Pipe Lining, CIPP, 36" Square	LF	42	\$250.00	\$10,500.00
10	Pipe Lining, CIPP, 36" Square to 36" Round Transition	EACH	1	\$5,000.00	\$5,000.00
11	Pipe Lining, CIPP, 36" Round	LF	158	\$200.00	\$31,600.00
12	Pipe Lining, CIPP, 48"	LF	529	\$250.00	\$132,250.00
13	Pipe Lining, CIPP, Lateral Connection	EACH	15	\$3,000.00	\$45,000.00
14	Sewer Service Reconnection	EACH	300	\$100.00	\$30,000.00
15 *	Bypass Pumping	LS	1	\$75,000.00	\$75,000.00
16	Short CIPP Pipe Lining Patch, 8"	EACH	4	\$3,200.00	\$12,800.00
17	Short CIPP Pipe Lining Patch, 10"	EACH	8	\$4,600.00	\$36,800.00
18 *	Mobilization for Short CIPP Pipe Lining Patch	EACH	12	\$500.00	\$6,000.00
19	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Less Than 12' Depth	EACH	2	\$27,500.00	\$55,000.00
20	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Less Than 12' Depth	EACH	2	\$30,000.00	\$60,000.00
21	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, 12' to 20' Depth	EACH	2	\$35,000.00	\$70,000.00
22	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, 12' to 20' Depth	EACH	2	\$40,000.00	\$80,000.00
23	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Greater Than 20' Depth	EACH	2	\$37,500.00	\$75,000.00
24	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Greater Than 20' Depth	EACH	2	\$45,000.00	\$90,000.00
25 *	Dewatering for Spot Repair	EACH	5	\$5,000.00	\$25,000.00
26	Sewer Service Connection Repair made During Spot Repair	EACH	15	\$1,200.00	\$18,000.00
27 *	Sewer Cleaning and Video Inspection, Less Than 30" Diameter	LF	11300	\$6.00	\$67,800.00
28 *	Sewer Cleaning and Video Inspection, 30" Diameter or Greater	LF	1054	\$10.00	\$10,540.00
29	Manhole Enlargement	EACH	3	\$30,000.00	\$90,000.00
30	Manhole, 48" Diameter Structure	EACH	2	\$25,000.00	\$50,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
31	Manhole, Type SW-302	EACH	2	\$25,000.00	\$50,000.00
32	Minor Manhole Adjustment	EACH	6	\$2,000.00	\$12,000.00
33	Major Manhole Adjustment	EACH	4	\$6,000.00	\$24,000.00
34	Special HDPE Manhole Lining	VF	74	\$1,500.00	\$111,000.00
35 *	Imported Granular Backfill	TON	100	\$75.00	\$7,500.00
36 *	Traffic Control for Spot Repair, Residential Street	EACH	8	\$1,200.00	\$9,600.00
37 *	Traffic Control for Spot Repair, Non-Residential Street	EACH	8	\$1,500.00	\$12,000.00
38	Composite Pavement	SY	200	\$250.00	\$50,000.00
39	PCC Pavement, 6"	SY	50	\$100.00	\$5,000.00
40	PCC Pavement, 8"	SY	50	\$120.00	\$6,000.00
41 *	Temporary Cap for Composite Pavement Patch	SY	50	\$75.00	\$3,750.00
42	PCC Curb & Gutter	LF	30	\$75.00	\$2,250.00
43	PCC Sidewalk	SY	100	\$100.00	\$10,000.00
44 *	Pavement Removal	SY	500	\$25.00	\$12,500.00
45 *	Traffic Control	LS	1	\$60,000.00	\$60,000.00
46 *	Flagger, Uniformed Police Officer	DAY	6	\$550.00	\$3,300.00
47 *	Hydraulic Seeding, Seeding, Fertilizing, and Mulching	ACRE	0.5	\$10,000.00	\$5,000.00
48 *	Sodding	SQ	50	\$200.00	\$10,000.00
49 *	Filter Sock	LF	200	\$5.00	\$1,000.00
50 *	Remove Filter Sock	LF	200	\$2.50	\$500.00
51 *	Tree Protection Fence	LF	100	\$10.00	\$1,000.00
52 *	Mobilization	LS	1	\$245,935.00	\$245,935.00
53 *	Mobilization for Emergency Spot Repair	EACH	10	\$1,000.00	\$10,000.00

Prepared By: Matt Becker

Checked By: _____

TOTAL CONSTRUCTION COST

\$2,500,000.00

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

* Estimate Total= \$567,675.00