

DATE August 19, 2019

ORDERING CONSTRUCTION OF  
2019 SEWER LINING PROGRAM  
AND FIXING A DATE FOR RECEIVING OF BIDS ON SEPTEMBER 10, 2019  
AND PUBLIC HEARING ON OCTOBER 14, 2019  
ENGINEER'S ESTIMATE IS \$3,500,000.00

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:

2019 Sewer Lining Program, 07-2019-009

The improvement includes the rehabilitation of approximately 22,000 lineal feet of 10-inch through 36-inch diameter sanitary sewers with cured-in-place pipe (CIPP) lining, by-pass pumping, sewer cleaning and televising, sewer spot repairs, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Numbers 612-001/039, at the following locations: Center Street, 28th Street, 31st Street (north of I-235), School Street, Iola Avenue, 33rd Street, Rutland Avenue, Kingman Boulevard, Hickman Road, 38th Street, Mann Avenue, 16th Street, 10th Street, 9th Street, 4th Street, Arthur Avenue, E. 9th Street, E. Ovid Avenue, Scott Avenue at Leetown Creekway, S.E. 5th Street, along the DM-III Levee (southside of Raccoon River between S.W. 7th Street and S.W. 5th Street), E. Broad Street, E. Pleasant View Drive, S.E. 5th Street, S.W. 16th Street, and Porter Avenue, all in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$3,500,000.00. 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 October 14, 2019, 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 September 10, 2019, 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 September 10, 2019, 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 August 19, 2019

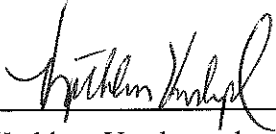
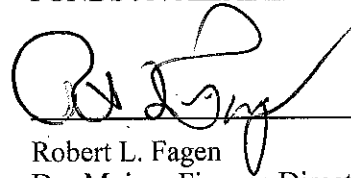
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 19-368 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool  
Deputy City Attorney

Robert L. Fagen  
Des Moines Finance Director

**SLN** Funding Source: 2019-2020 CIP, Page Sanitary - 9, Sanitary Sewer Lining and Repairs, SS049, Sanitary Sewer Funds

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

MOTION CARRIED

APPROVED

\_\_\_\_\_  
Mayor

I, Diane Rauh, 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.

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

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## CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 07-2019-009  
IDOT Project No: None  
Date: 07/17/19

**PROJECT: 2019 Sewer Lining Program**

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	* Replacement of Unsuitable Backfill Material	TON	100	\$25.00	\$2,500.00
2	Pipe Lining, CIPP, 10"	LF	10461	\$35.00	\$366,135.00
3	Pipe Lining, CIPP, 12"	LF	5367	\$45.00	\$241,515.00
4	Pipe Lining, CIPP, 15"	LF	948	\$75.00	\$71,100.00
5	Pipe Lining, CIPP, 18"	LF	1129	\$95.00	\$107,255.00
6	Pipe Lining, CIPP, 24"	LF	1007	\$130.00	\$130,910.00
7	Pipe Lining, CIPP, 36"	LF	3295	\$150.00	\$494,250.00
8	Pipe Lining, CIPP, Lateral Connection	EACH	40	\$2,500.00	\$100,000.00
9	Sewer Service Reconnection	EACH	300	\$75.00	\$22,500.00
10	* Bypass Pumping	LS	1	\$40,000.00	\$40,000.00
11	E Jackson Ave Spot Repair	LS	1	\$35,000.00	\$35,000.00
12	28th Street Spot Repair	LS	1	\$30,000.00	\$30,000.00
13	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Less Than 12' Depth	EACH	4	\$25,000.00	\$100,000.00
14	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Less Than 12' Depth	EACH	2	\$30,000.00	\$60,000.00
15	Spot Repairs by Pipe Replacement, Greater Than 48" Diameter, Less Than 12' Depth	EACH	1	\$35,000.00	\$35,000.00
16	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, 12' to 20' Depth	EACH	4	\$27,000.00	\$108,000.00
17	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, 12' to 20' Depth	EACH	2	\$35,000.00	\$70,000.00
18	Spot Repairs by Pipe Replacement, Greater Than 48" Diameter, 12' to 20' Depth	EACH	1	\$40,000.00	\$40,000.00
19	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Greater Than 20' Depth	EACH	2	\$30,000.00	\$60,000.00
20	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Greater Than 20' Depth	EACH	1	\$40,000.00	\$40,000.00
21	Spot Repairs by Pipe Replacement, Greater Than 48" Diameter, Greater Than 20' Depth	EACH	1	\$45,000.00	\$45,000.00
22	* Dewatering for Spot Repair	EACH	6	\$10,000.00	\$60,000.00
23	Sewer Service Connection Repair made During Spot Repair	EACH	10	\$2,000.00	\$20,000.00
24	Sewer Cleaning and Video Inspection, Less Than 30" Diameter	LF	18912	\$5.00	\$94,560.00
25	Sewer Cleaning and Video Inspection, 30" Diameter or Greater	LF	3295	\$7.50	\$24,712.50
26	Manhole Enlargement	EACH	4	\$20,000.00	\$80,000.00
27	Manhole, 48" Diameter Structure	EACH	2	\$25,000.00	\$50,000.00
28	Manhole, Type SW-302	EACH	2	\$30,000.00	\$60,000.00
29	Minor Manhole Adjustment	EACH	30	\$1,500.00	\$45,000.00
30	Major Manhole Adjustment	EACH	5	\$5,000.00	\$25,000.00
31	Manhole Lining With Centrifugally Cast Mortar Liner	VF	700	\$150.00	\$105,000.00

6B

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
32 *	Imported Granular Backfill	TON	150	\$50.00	\$7,500.00
33 *	Traffic Control for Spot Repair, Residential Street	EACH	6	\$1,000.00	\$6,000.00
34 *	Traffic Control for Spot Repair, Non-Residential Street	EACH	6	\$1,250.00	\$7,500.00
35	Composite Pavement	SY	1500	\$100.00	\$150,000.00
36	PCC Pavement, 6"	SY	400	\$75.00	\$30,000.00
37	PCC Pavement, 8"	SY	400	\$80.00	\$32,000.00
38	Temporary Cap for Composite Pavement Patch	SY	200	\$50.00	\$10,000.00
39	PCC Curb & Gutter	LF	100	\$40.00	\$4,000.00
40	PCC Sidewalk	SY	300	\$75.00	\$22,500.00
41 *	Pavement Removal	SY	2000	\$15.00	\$30,000.00
42 *	Traffic Control	LS	1	\$50,000.00	\$50,000.00
43 *	Flagger, Uniformed Police Officer	DAY	6	\$550.00	\$3,300.00
44 *	Hydraulic Seeding, Seeding, Fertilizing, and Mulching	ACRE	1	\$6,000.00	\$6,000.00
45 *	Sodding	SQ	50	\$200.00	\$10,000.00
46 *	Filter Sock	LF	350	\$5.00	\$1,750.00
47 *	Remove Filter Sock	LF	350	\$1.00	\$350.00
48	Tree Protection Fence	LF	500	\$5.00	\$2,500.00
49 *	Mobilization	LS	1	\$338,162.50	\$338,162.50
50 *	Mobilization for Emergency Spot Repair	EACH	5	\$5,000.00	\$25,000.00

Prepared By: Matt Becker

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

**TOTAL CONSTRUCTION COST** \$3,500,000.00

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

\* Estimate Total= \$588,062.50