

6 B

DATE December 3, 2018

ORDERING CONSTRUCTION OF
LOWER OAK AND HIGHLAND PARK SEWER SEPARATION PHASE3
AND FIXING A DATE FOR RECEIVING OF BIDS ON DECEMBER 18, 2018
AND PUBLIC HEARING ON JANUARY 14, 2019
ENGINEER'S ESTIMATE IS \$4,430,000.00

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:

Lower Oak and Highland Park Sewer Separation Phase 3, 07-2018-005

The improvement includes Reinforced Concrete Pipe (RCP) storm sewer 12-inches to 48-inches, water main adjustments, water services, manholes, intakes, Hot Mix Asphalt (HMA) pavement, sidewalks, driveways, associated grading, surface restoration, permeable pavers, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 599-225/305, located on; E. Holcomb Avenue from 2nd Avenue to 1st Street, 1st Street from E. Holcomb Avenue to Ovid Avenue, Sheridan Avenue from Cambridge Street to Saylor Road, Cornell Street from Sheridan Avenue to Grandview Avenue, Grandview Avenue from Cornell Street to Columbia Street, Hull Avenue from 1st Street to Cambridge Street, Ovid Avenue from 1st Street to Oxford Street, Oxford Street from Hull Avenue to Tiffin Avenue and Tiffin Avenue from Oxford Street to Cambridge Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$4,430,000.00. 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 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 December 18, 2018, 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 18, 2018, 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

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DATE December 3, 2018

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.

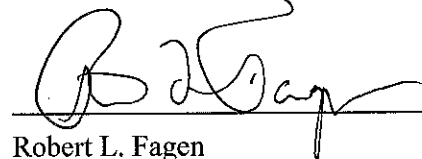
(City Council Communication Number 18-639 attached.)

Moved by _____ to adopt.

FORM APPROVED:


 Kathleen Vanderpool
 Deputy City Attorney

FUNDS AVAILABLE


 Robert L. Fagen
 Des Moines Finance Director

SLN

Funding Source: 2018-2019 CIP, Page Sanitary – 5, Lower Oak Park and Highland Park Sewer Separation, SS133, Being: \$4,367,000 in SRF Funding to be equally split for sanitary and storm sewer construction; and the remaining \$63,000 from Des Moines Water Works

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 07-2018-005
IDOT Project No: None
Date: 11/14/18

PROJECT: Lower Oak and Highland Park Sewer Separation Phase 3

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	* Mobilization	LS	1	\$201,887.50	\$201,887.50
2	* Traffic Control	LS	1	\$22,000.00	\$22,000.00
3	* Clearing & Grubbing	LS	1	\$15,000.00	\$15,000.00
4	* Removal of Pavement	SY	10550	\$14.00	\$147,700.00
5	* Remove and Replace Curb	LF	1200	\$70.00	\$84,000.00
6	* Removal of Driveway	SY	700	\$12.00	\$8,400.00
7	* Removal of Sidewalk	SY	300	\$10.00	\$3,000.00
8	* Milling	SY	8500	\$8.00	\$68,000.00
9	* Intake Removal	EACH	28	\$750.00	\$21,000.00
10	* Manhole Removal	EACH	1	\$850.00	\$850.00
11	Remove Grate and Replace with Manhole Lid	LS	1	\$1,200.00	\$1,200.00
12	* Storm Sewer Removal, 24" Diameter or Less	LF	350	\$36.00	\$12,600.00
13	* Storm Sewer Removal, 24" to 36"	LF	10	\$45.00	\$450.00
14	Pipe Plug, 8"	EACH	9	\$250.00	\$2,250.00
15	Pipe Plug, 10"	EACH	6	\$250.00	\$1,500.00
16	Pipe Plug, 12"	EACH	8	\$275.00	\$2,200.00
17	Pipe Plug, 15"	EACH	4	\$275.00	\$1,100.00
18	Pipe Plug, 18"	EACH	2	\$300.00	\$600.00
19	* Flowable Fill	CY	30	\$275.00	\$8,250.00
20	2nd Avenue Box Culvert Connection	LS	1	\$12,000.00	\$12,000.00
21	Storm Sewer, 12" RCP, Class III	LF	50	\$160.00	\$8,000.00
22	Storm Sewer, 15" RCP, Class III	LF	1800	\$150.00	\$270,000.00
23	Storm Sewer, 18" RCP, Class III	LF	600	\$160.00	\$96,000.00
24	Storm Sewer, 24" RCP, Class III	LF	775	\$175.00	\$135,625.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
25	Storm Sewer, 30" RCP, Class III	LF	950	\$200.00	\$190,000.00
26	Storm Sewer, 36" RCP, Class III	LF	1625	\$230.00	\$373,750.00
27	Storm Sewer, 42" RCP, Class III	LF	525	\$275.00	\$144,375.00
28	Storm Sewer, 48" RCP, Class III	LF	1290	\$300.00	\$387,000.00
29 *	Manufactured Sand, Type II	TON	100	\$35.00	\$3,500.00
30	Pipe Apron, 18" RCP, with footing	EACH	1	\$2,500.00	\$2,500.00
31	4" PVC Subdrain	LF	200	\$30.00	\$6,000.00
32	6" PVC Subdrain	LF	750	\$28.00	\$21,000.00
33	6" Subdrain Outlet	EACH	3	\$375.00	\$1,125.00
34	Connect to Existing Sewer	EACH	2	\$1,250.00	\$2,500.00
35	Sewer Pipe Support	EACH	13	\$1,800.00	\$23,400.00
36	Manhole, Storm Sewer, SW-401, 48" Dia.	EACH	2	\$5,000.00	\$10,000.00
37	Manhole, Storm Sewer, SW-401, 84" Dia.	EACH	1	\$10,000.00	\$10,000.00
38	Manhole, Storm Sewer, SW-402, 42" x 42"	EACH	1	\$4,500.00	\$4,500.00
39	Manhole, Storm Sewer, SW-402, 56" x 56"	EACH	1	\$5,000.00	\$5,000.00
40	Manhole, Storm Sewer, SW-402, 56" x 40"	EACH	2	\$4,750.00	\$9,500.00
41	Manhole, Storm Sewer, SW-402, 56" x 49"	EACH	1	\$5,000.00	\$5,000.00
42	Manhole, Storm Sewer, SW-402, 70" x 40"	EACH	1	\$7,500.00	\$7,500.00
43	Manhole, Storm Sewer, SW-402, 70" x 70"	EACH	1	\$8,500.00	\$8,500.00
44	Manhole, Storm Sewer, SW-402, 84" x 40"	EACH	1	\$9,000.00	\$9,000.00
45	Manhole, Storm Sewer, SW-403, 68" x 48"	EACH	1	\$8,000.00	\$8,000.00
46	Manhole, Storm Sewer, SW-403, 68" x 68"	EACH	1	\$13,000.00	\$13,000.00
47	Manhole, Storm Sewer, SW-403, 76" x 48"	EACH	2	\$13,000.00	\$26,000.00
48	Manhole, Storm Sewer, SW-403, 72" x 48"	EACH	2	\$13,000.00	\$26,000.00
49	Manhole, Storm Sewer, SW-403, 72" x 72"	EACH	1	\$15,000.00	\$15,000.00
50	Manhole, Storm Sewer, SW-403, 82" x 82"	EACH	1	\$16,000.00	\$16,000.00
51	Manhole, Storm Sewer, SW-403, 84" x 68"	EACH	1	\$16,000.00	\$16,000.00
52	Manhole, Storm Sewer, SW-404, 62" x 62"	EACH	1	\$15,000.00	\$15,000.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
53	Manhole, Storm Sewer, SW-404, 72" x 48"	EACH	1	\$20,000.00	\$20,000.00
54	Intake, SW-501	EACH	29	\$5,500.00	\$159,500.00
55	Intake, SW-502, 48"	EACH	1	\$5,000.00	\$5,000.00
56	Intake, SW-502, 60"	EACH	1	\$5,500.00	\$5,500.00
57	Intake, SW-502, 84"	EACH	1	\$8,500.00	\$8,500.00
58	Intake, SW-503	EACH	3	\$7,000.00	\$21,000.00
59	Intake, SW-503 Modified	EACH	19	\$7,500.00	\$142,500.00
60 *	Granular Driveway Surfacing	TON	40	\$35.00	\$1,400.00
61	PCC Pavement, 7"	SY	300	\$75.00	\$22,500.00
62	PCC Pavement, 6"	SY	9100	\$70.00	\$637,000.00
63	2' Curb and Gutter, 7"	SY	225	\$125.00	\$28,125.00
64	Alley, 7" PCC	SY	35	\$75.00	\$2,625.00
65	Driveway, 6" PCC	SY	650	\$70.00	\$45,500.00
66	Sidewalk, 6" PCC	SY	200	\$75.00	\$15,000.00
67	Sidewalk, 4" PCC	SY	200	\$55.00	\$11,000.00
68	Concrete Permeable Pavers	SY	950	\$145.00	\$137,750.00
69 *	Filter Aggregate Course	TON	325	\$45.00	\$14,625.00
70 *	Storage Aggregate Course	TON	2000	\$45.00	\$90,000.00
71	Engineering Fabric	SY	1500	\$12.00	\$18,000.00
72 *	Temporary Surfacing	TON	100	\$36.00	\$3,600.00
73	HMA ST Surface, 1/2" Mix, No Friction, PG 58-28H	TON	2100	\$125.00	\$262,500.00
74	Detectable Warnings for Curb Ramps	SF	450	\$45.00	\$20,250.00
75	Relocation of Water Service	EACH	20	\$600.00	\$12,000.00
76	Relocate Stop Box	EACH	15	\$400.00	\$6,000.00
77	New Water Service	EACH	20	\$800.00	\$16,000.00
78	New Stop Box Housing	EACH	10	\$450.00	\$4,500.00
79	New Stop Box Rod	EACH	10	\$300.00	\$3,000.00
80	Check Depth of Water Service	EACH	30	\$425.00	\$12,750.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
81	Lower Water Service	EACH	25	\$600.00	\$15,000.00
82	Lower Water Service with New Copper	EACH	25	\$1,200.00	\$30,000.00
83	Water Service Tap	EACH	25	\$1,000.00	\$25,000.00
84 *	Stormwater Pollution Prevention	LS	1	\$6,000.00	\$6,000.00
85 *	Silt Fence, Install and Remove	LF	150	\$3.75	\$562.50
86 *	Filter Sock, 12", Install and Remove	LF	1620	\$5.00	\$8,100.00
87 *	Rolled Erosion Control, Type 1	SY	50	\$3.50	\$175.00
88 *	Tree Trunk Protection	EACH	20	\$400.00	\$8,000.00
89 *	Tree Protection Fence, Type 1 (4')	LF	200	\$7.00	\$1,400.00
90 *	Seeding, Type 1	SQ	250	\$3.50	\$875.00
91 *	Sod	SQ	350	\$75.00	\$26,250.00
92 *	Maintenance of Solid Waste Collection	LS	1	\$3,000.00	\$3,000.00
93	Repair Sanitary Sewer Service	EACH	15	\$2,250.00	\$33,750.00
94	Water Main Alteration #1	EACH	4	\$10,000.00	\$40,000.00
95	Water Main Alteration #3	EACH	2	\$10,000.00	\$20,000.00
96	Remove and Replace 8" Gate Valve	EACH	1	\$3,000.00	\$3,000.00

Prepared By: Matt Becker

Checked By: 

TOTAL CONSTRUCTION COST

\$4,430,000.00

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

* Estimate Total= \$760,625.00