

DATE January 27, 2020

ORDERING CONSTRUCTION OF
NEAR WEST SIDE SEWER SEPARATION PHASE 4
AND FIXING A DATE FOR RECEIVING OF BIDS ON FEBRUARY 11, 2020
AND PUBLIC HEARING ON MARCH 9, 2020
ENGINEER'S ESTIMATE IS \$8,120,000.00

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:

Near West Side Sewer Separation Phase 4, 07-2020-002

The improvement includes Reinforced Concrete Pipe (RCP) storm sewer 12-inch to 60-inch, subdrain, sanitary sewer pump station, sanitary service services, water services, water main alterations, fire hydrants, storm sewer manholes, storm sewer intakes, Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) curb and gutter, sidewalks, driveways, earthwork, pavement markings, landscaping, erosion control, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 614-070/214, located on Clark Street from Martin Luther King Jr. Parkway to 21st Street, Martin Luther King Jr. Parkway from Carpenter Avenue to Clark Street, Forest Avenue from 21st Street to 22nd Street, Carpenter Avenue from Martin Luther King Jr. Parkway to 21st Street, 27th Street from north of I-235 to School Street, School Street from 27th Street to 28th Street, 28th Street from School Street to Rutland Avenue, Rutland Avenue from 28th Street to 29th Street, north of Woodland Avenue at 22nd Street, and the 800 block of 23rd Street, all in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$8,120,000.00. 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 March 9, 2020, 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 February 11, 2020, 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 February 11, 2020, 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 January 27, 2020

BE IT FURTHER RESOLVED: That the City Clerk is further directed to publish a Public Notice of Storm Water Discharge in the Des Moines Register and The Business Record as required by the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the "Notice of Intent for NPDES Coverage under General Permit No. 2 for Storm Water Discharges associated with Industrial Activity for Construction Activities" on behalf of the City of Des Moines and submit said document to the Iowa Department of Natural Resources with appropriate application and permit fees.

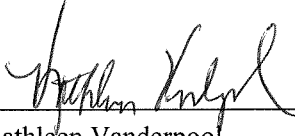
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 20.032 attached.)


Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE



 Kathleen Vanderpool
 Deputy City Attorney



 Nickolas J. Schaul
 Interim Des Moines Finance Director

SLN Funding Source: 2019-2020 CIP, Page Sanitary – 7, Near West Side Sewer Separation, SS132, Being: \$7,930,500 in SRF funding issued; and the remaining \$189,500 from Des Moines Water Works

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

CERTIFICATE

I, P. Kay Cmelik, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, 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 07-2020-002
IDOT Project No: None
Date: 2/11/2020

PROJECT: NEAR WEST SIDE SEWER SEPARATION PHASE 4

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1 *	Clearing and Grubbing	UNIT	151.1	\$120.00	\$18,132.00
2 *	Clearing and Grubbing, Area 10	LS	1	\$45,000.00	\$45,000.00
3 *	Topsoil, Offsite	CY	1200	\$50.00	\$60,000.00
4 *	Excavation, Class 13	CY	4700	\$25.00	\$117,500.00
5 *	Excavation, Class 13, Area 10	CY	23000	\$20.00	\$460,000.00
6 *	Below Grade Excavation (Core Out)	CY	1000	\$25.00	\$25,000.00
7 *	Subgrade Preparation	SY	17874	\$8.00	\$142,992.00
8 *	Subgrade Treatment, Geogrid, Type 2	SY	5900	\$5.00	\$29,500.00
9 *	Subbase, Modified, 8"	SY	12547	\$16.00	\$200,752.00
10 *	Subbase, Modified, 10"	SY	4555	\$19.00	\$86,545.00
11 *	Class A Roadstone	TON	2000	\$42.00	\$84,000.00
12 *	Trench Foundation	TON	600	\$30.00	\$18,000.00
13 *	Imported Granular Backfill	TON	12050	\$30.00	\$361,500.00
14 *	Special Pipe Support	EA	10	\$2,000.00	\$20,000.00
15	Sanitary Sewer Gravity Main, Trenched, PVC, 10"	LF	361	\$55.00	\$19,855.00
16	Sanitary Sewer Service Replacement	EA	44	\$4,300.00	\$189,200.00
17	Storm Sewer, Trenched, RCP, 12"	LF	54	\$180.00	\$9,720.00
18	Storm Sewer, Trenched, RCP, 15"	LF	2001	\$190.00	\$380,190.00
19	Storm Sewer, Trenched, RCP, Class IV, 15"	LF	7	\$200.00	\$1,400.00
20	Storm Sewer, Trenched, RCP, 18"	LF	1118	\$200.00	\$223,600.00
21	Storm Sewer, Trenched, RCP, Class V, 18"	LF	333	\$205.00	\$68,265.00
22	Storm Sewer, Trenched, RCP, 24"	LF	1547	\$210.00	\$324,870.00
23	Storm Sewer, Trenched, RCP, 30"	LF	36	\$220.00	\$7,920.00
24	Storm Sewer, Trenched, RCP, 36"	LF	306	\$240.00	\$73,440.00
25	Storm Sewer, Trenched, RCAP, 36"	LF	113	\$290.00	\$32,770.00
26	Storm Sewer, Trenched, RCP, Class IV, 48"	LF	163	\$350.00	\$57,050.00
27	Storm Sewer, Trenched, RCAP, Class IV, 48"	LF	75	\$400.00	\$30,000.00
28	Storm Sewer, Trenched, RCP, Class IV, 54"	LF	38	\$500.00	\$19,000.00
29	Storm Sewer, Trenched, RCP, Class IV, 60"	LF	63	\$600.00	\$37,800.00
30	Storm Sewer, Trenchless, RCP, Class IV, 15"	LF	65	\$550.00	\$35,750.00
31 *	Removal of Sewer, Less Than or Equal To 36"	LF	700	\$35.00	\$24,500.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
32 *	Storm Sewer Abandonment, Plug	EA	23	\$750.00	\$17,250.00
33	Pipe Apron, 12"	EA	2	\$1,800.00	\$3,600.00
34	Pipe Apron, 18"	EA	2	\$2,200.00	\$4,400.00
35	Pipe Apron, 24"	EA	1	\$2,500.00	\$2,500.00
36	Subdrain, Type 1, 6"	LF	5350	\$20.00	\$107,000.00
37	Subdrain, Type 2, 12"	LF	655	\$40.00	\$26,200.00
38	Subdrain Cleanout, Type A-1, 6"	EA	9	\$650.00	\$5,850.00
39	Subdrain Outlet and Connections, 6"	EA	41	\$500.00	\$20,500.00
40	Subdrain Outlet and Connections, 12"	EA	2	\$700.00	\$1,400.00
41	Water Service Replacement, Less Than or Equal to 2"	EA	53	\$5,000.00	\$265,000.00
42	Water Service Replacement, Greater Than or Equal to 4"	EA	1	\$8,000.00	\$8,000.00
43	Water Service Tap	EA	53	\$1,500.00	\$79,500.00
44	Water Main Alteration, 6"	LS	1	\$13,000.00	\$13,000.00
45	Water Main Alteration, Type 1, 6", Night	EA	1	\$10,000.00	\$10,000.00
46	Water Main Alteration, Type 1, 8"	EA	2	\$8,000.00	\$16,000.00
47	Water Main Alteration, Type 1, 8", Night	EA	1	\$12,000.00	\$12,000.00
48	Water Main Alteration, Type 1, 10", Night	EA	3	\$15,000.00	\$45,000.00
49	Water Main Alteration, Type 1, 12"	EA	1	\$10,000.00	\$10,000.00
50	Water Main Alteration, Type 3, 12"	EA	3	\$14,000.00	\$42,000.00
51	Remove and Replace Hydrant	EA	4	\$7,000.00	\$28,000.00
52	Manhole, Type SW-301, 48"	EA	2	\$6,000.00	\$12,000.00
53	Manhole, Type SW-303, 48"	EA	2	\$6,500.00	\$13,000.00
54	Manhole, Type SW-401, 48"	EA	7	\$6,000.00	\$42,000.00
55	Manhole, Type SW-401, 60"	EA	7	\$7,500.00	\$52,500.00
56	Manhole, Type SW-401, 96"	EA	1	\$20,000.00	\$20,000.00
57	Manhole, Type SW-403, 4'x7'	EA	1	\$20,000.00	\$20,000.00
58	Manhole, Type SW-404, 4'x8', Modified	EA	1	\$30,000.00	\$30,000.00
59	Manhole, Type SW-404, 6'x7'	EA	1	\$25,000.00	\$25,000.00
60	Manhole, Type SW-404, 7'x9'	EA	1	\$25,000.00	\$25,000.00
61	Manhole, Type SW-404, 8'x9'	EA	1	\$30,000.00	\$30,000.00
62	Intake, Type SW-501	EA	2	\$4,000.00	\$8,000.00
63	Intake, Type SW-505	EA	24	\$7,500.00	\$180,000.00
64	Intake, Type SW-506	EA	4	\$8,500.00	\$34,000.00
65	Intake, Type SW-506 Modified	EA	1	\$12,500.00	\$12,500.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
66	Intake, Type SW-509	EA	4	\$9,000.00	\$36,000.00
67	Intake, Type SW-512, 24"	EA	1	\$5,000.00	\$5,000.00
68	Intake, Type SW-513, 5'x5'	EA	1	\$8,500.00	\$8,500.00
69	Intake, Type SW-541 with SW-542 Extension	EA	10	\$12,000.00	\$120,000.00
70	Intake, Inline Drain, PVC, 18"	EA	6	\$3,000.00	\$18,000.00
71	Intake, Dry Filter Box	EA	6	\$3,000.00	\$18,000.00
72 *	Manhole Adjustment, Minor	EA	15	\$2,500.00	\$37,500.00
73 *	Connection to Existing	EA	15	\$3,200.00	\$48,000.00
74 *	Remove Sewer Structure	EA	37	\$1,500.00	\$55,500.00
75	Curb and Gutter, 2.5', 6"	LF	6518	\$55.00	\$358,490.00
76	Pavement, HMA HT Base, 1" Mix, PG 58-28 S	TON	868	\$120.00	\$104,160.00
77	Pavement, HMA ST Base, 3/4" Mix, PG 58-28 S	TON	2255	\$120.00	\$270,600.00
78	Pavement, HMA HT Intermediate, 3/4" Mix, PG 58-28 S	TON	440	\$120.00	\$52,800.00
79	Pavement, HMA HT Surface, 1/2" Mix, No Fric., PG 58-28 V	TON	661	\$120.00	\$79,320.00
80	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 H	TON	2040	\$120.00	\$244,800.00
81 *	HMA Pavement Samples and Testing	LS	1	\$4,000.00	\$4,000.00
82 *	Removal of Sidewalk	SY	1820	\$15.00	\$27,300.00
83 *	Removal of Driveway	SY	1100	\$15.00	\$16,500.00
84	Sidewalk, PCC, 4"	SY	626	\$65.00	\$40,690.00
85	Sidewalk, PCC, 5"	SY	630	\$70.00	\$44,100.00
86	Sidewalk, PCC, 6"	SY	368	\$90.00	\$33,120.00
87	Detectable Warning	SF	480	\$55.00	\$26,400.00
88	Driveway, Paved, PCC, 7"	SY	1155	\$80.00	\$92,400.00
89	Full Depth Patch, PCC, 9"	SY	27	\$160.00	\$4,320.00
90	Full Depth Patch, Composite	SY	19	\$300.00	\$5,700.00
91 *	Milling	SY	1800	\$25.00	\$45,000.00
92 *	Pavement Removal	SY	15800	\$15.00	\$237,000.00
93 *	Steel Rail Track Removal	LF	450	\$45.00	\$20,250.00
94 *	Inductive Loop Vehicle Detector	EA	5	\$1,200.00	\$6,000.00
95 *	Painted Pavement Markings, Solvent/Waterborne	STA	50	\$150.00	\$7,500.00
96 *	Temporary Traffic Control	LS	1	\$100,000.00	\$100,000.00
97 *	Signs, Construction	EA	17	\$300.00	\$5,100.00
98 *	Flaggers, Certified	EA	30	\$480.00	\$14,400.00
99 *	Remove, Store, and Reinstall Sign	EA	28	\$250.00	\$7,000.00

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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
100 *	Perforated Square Steel Tube Sign Posts	EA	28	\$200.00	\$5,600.00
101 *	Conventional Seeding, Wetland Seed	AC	0.5	\$10,000.00	\$5,000.00
102 *	Hydraulic Seeding, Type 1	AC	1.1	\$8,000.00	\$8,800.00
103 *	Hydraulic Seeding, Type 2	AC	2.3	\$7,000.00	\$16,100.00
104 *	Trees, With Warranty	EA	12	\$900.00	\$10,800.00
105 *	Plants, Bio-Filtration System, With Warranty	LS	1	\$12,000.00	\$12,000.00
106 *	Plants, Pump Station, With Warranty	LS	1	\$3,500.00	\$3,500.00
107 *	Stormwater Pollution Prevention	LS	1	\$15,000.00	\$15,000.00
108 *	Temporary RECP, Type 2	SY	4200	\$3.00	\$12,600.00
109 *	Erosion Stone	TON	5	\$250.00	\$1,250.00
110 *	Rip Rap, Class D	TON	200	\$90.00	\$18,000.00
111 *	Erosion Control Mulching, Hydromulching	AC	3.9	\$6,000.00	\$23,400.00
112 *	Inlet Protection Device	EA	54	\$180.00	\$9,720.00
113 *	Inlet Protection Device, Maintenance	EA	54	\$45.00	\$2,430.00
114 *	Modular Bio-Filtration System	SF	1200	\$185.00	\$222,000.00
115 *	Linear Erosion Control	LF	1000	\$3.00	\$3,000.00
116 *	Linear Erosion Control, Removal	LF	1000	\$1.00	\$1,000.00
117 *	Tree Protection Fence	LF	320	\$4.50	\$1,440.00
118 *	Tree Trimming	EA	2	\$800.00	\$1,600.00
119 *	Chain Link Fence, Black Vinyl, 48"	LF	470	\$35.00	\$16,450.00
120 *	Chain Link Fence, Black Vinyl, 72"	LF	350	\$55.00	\$19,250.00
121 *	Removal and Reinstallation of Existing Fence	LF	160	\$35.00	\$5,600.00
122 *	Mobilization	LS	1	\$644,059.00	\$644,059.00
123 *	Maintenance of Postal Service	LS	1	\$7,000.00	\$7,000.00
124 *	Maintenance of Solid Waste Collection	LS	1	\$8,500.00	\$8,500.00
125 *	Concrete Washout	LS	1	\$4,000.00	\$4,000.00
126	Pump Station	LS	1	\$423,000.00	\$423,000.00
Prepared By: Craig Bouska					
Checked By: _____					
TOTAL CONSTRUCTION COST					\$8,120,000.00

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

* Estimate Total= \$3,419,820.00