

DATE February 19, 2018

ORDERING CONSTRUCTION OF
RIVER BEND AND KING IRVING SEWER SEPARATION PHASE 1
AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 6, 2018
AND PUBLIC HEARING ON MARCH 19, 2018
ENGINEER'S ESTIMATE IS \$4,635,000.00

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:

River Bend and King Irving Sewer Separation Phase 1, 07-2018-002

The improvement includes construction of storm sewer, sanitary sewer, water main and paving, including all labor, materials and equipment necessary for excavation and backfill of approximately 7,838 feet of 15-inch through 60-inch storm sewer in open cut, 139 feet of 24-inch through 60-inch storm sewer in trenchless construction, manholes, special structures, sanitary sewer, water main relocation, pavement removal, Portland Cement Concrete (PCC) curb and gutter, 6-inch thick Hot Mix Asphalt (HMA) pavement, permeable pavers and green infrastructure elements, traffic control, erosion control and miscellaneous associated work, including cleanup; all in accordance with the contract documents, including Plan File No. 590/006-179, located along Clark Street from 2nd Avenue to 12th Street and along Franklin Avenue from 2nd Avenue to 10th Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$4,635,000.00. 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, Municipal Service Center, 1551 E. Martin Luther King Jr. Parkway, Des Moines, Iowa, at 5:00 p.m. on March 19, 2018, 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 March 6, 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 Offices, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 11:00 a.m. on March 6, 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

5B

DATE February 19, 2018

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.

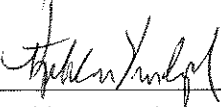
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 18-079 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE



 Kathleen Vanderpool
 Deputy City Attorney



 Robert L. Fagen
 Des Moines Finance Director

AF Funding Source: 2017-2018 CIP, Page Sanitary – 11, River Bend and King Irving Sewer Separation, SS138, Being: \$4,507,740.00 in SRF funding to be issued; and the remaining \$127,260.00 from Des Moines Water Works

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

MOTION CARRIED APPROVED

 Mayor

CERTIFICATE

I, DIANE RAUH, 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

5 B

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 07-2018-002

DATE: 01/31/2018

PROJECT: River Bend and King Irving Sewer Separation - Phase 1

ITEM	DESCRIPTION	ESTIMATED UNITS			AMOUNT TOTAL
		UNIT	TOTAL	UNIT PRICE	
1 *	CLEARING AND GRUBBING	UNIT	564.0	\$25.00	\$ 14,100.00
2 *	TOPSOIL, OFF SITE	CY	1825.0	\$15.00	\$ 27,375.00
3 *	EXCAVATION, CLASS 10	CY	800.0	\$22.00	\$ 17,600.00
4 *	SUBGRADE PREPARATION, 6 IN. DEPTH	SY	20800.0	\$2.00	\$ 41,600.00
5 *	SUBGRADE PREPARATION, FLYASH	SY	1000.0	\$5.00	\$ 5,000.00
6 *	SUBGRADE PREPARATION, GEOGRID	SY	1000.0	\$6.00	\$ 6,000.00
7 *	SUBBASE, MODIFIED	SY	20800.0	\$3.00	\$ 62,400.00
8	SANITARY SEWER, GRAVITY MAIN, TRENCHED, DI, 12"	LF	278.0	\$100.00	\$ 27,800.00
9	SANITARY SEWER, GRACITY MAIN, TRENCHED, DI, 18"	LF	20.0	\$200.00	\$ 4,000.00
10	SANITARY SEWER SERVICE RELOCATION	EA	30.0	\$750.00	\$ 22,500.00
11	REPAIR SANITARY SEWER	EA	10.0	\$500.00	\$ 5,000.00
12 *	REMOVAL OF SANITARY SEWER, 8" OR 10"	LF	31.0	\$20.00	\$ 620.00
13 *	REMOVAL OF SANITARY SEWER, 12"	LF	255.0	\$20.00	\$ 5,100.00
14 *	REMOVAL OF SANITARY SEWER, 18"	LF	20.0	\$20.00	\$ 400.00
15	STORM SEWER, TRENCHED, RCP, CL3, 15"	LF	415.0	\$75.00	\$ 31,125.00
16	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 15"	LF	238.0	\$78.00	\$ 18,564.00
17	STORM SEWER, TRENCHED, RCP, CL3, 18"	LF	681.0	\$90.00	\$ 61,290.00
18	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 18"	LF	31.0	\$95.00	\$ 2,945.00
19	STORM SEWER, TRENCHED, RCP, CL3, 24"	LF	2665.0	\$115.00	\$ 306,475.00
20	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 24"	LF	47.0	\$125.00	\$ 5,875.00
21	STORM SEWER, TRENCHED, RCP, CL3, 30"	LF	151.0	\$150.00	\$ 22,650.00
22	STORM SEWER, TRENCHED, RCP, CL3, 36"	LF	1304.0	\$170.00	\$ 221,680.00
23	STORM SEWER, TRENCHED, GASKETED RCP, CL3, 36"	LF	40.0	\$175.00	\$ 7,000.00
24	STORM SEWER, TRENCHED, RCP, CL3, 42"	LF	250.0	\$275.00	\$ 68,750.00
25	STORM SEWER, TRENCHED, RCP, CL3, 48"	LF	570.0	\$325.00	\$ 185,250.00
26	STORM SEWER, TRENCHED, GASKETED, RCP, CL3, 48"	LF	92.0	\$335.00	\$ 30,820.00
27	STORM SEWER, TRENCHED, RCP, CL3, 54"	LF	330.0	\$400.00	\$ 132,000.00
28	STORM SEWER, TRENCHED, RCAP, CL4, 36"	LF	31.0	\$225.00	\$ 6,975.00
29	STORM SEWER, TRENCHED, RCPP, CL C-75, 60"	LF	530.0	\$600.00	\$ 318,000.00
30	STORM SEWER, TRENCHED, DI, CL52, 14"	LF	50.0	\$80.00	\$ 4,000.00
31	STORM SEWER, TRENCHED, DI, CL52, 16"	LF	67.0	\$90.00	\$ 6,030.00
32	STORM SEWER, TRENCHED, DI, CL52, 24"	LF	31.0	\$130.00	\$ 4,030.00
33	STORM SEWER, TRENCHED, RESTRAINED JOINT DI, CL52, 24"	LF	315.0	\$200.00	\$ 63,000.00
34	STORM SEWER, TRENCHLESS, RCP, JACKING PIPE, 24"	LF	68.0	\$800.00	\$ 54,400.00
35	STORM SEWER, TRENCHLESS, GASKETED, RCP, CL5, 42"	LF	71.0	\$1,300.00	\$ 92,300.00
36 *	REMOVAL OF STORM SEWER, VCP OR RCP, 12"	LF	411.0	\$10.00	\$ 4,110.00
37 *	STORM SEWER ABANDONMENT, FILLED PLUG	LF	107.0	\$15.00	\$ 1,605.00
38	MANHOLE, SW 301, 48"	EA	4.0	\$7,500.00	\$ 30,000.00
39	MANHOLE, SW 401, 48"	EA	10.0	\$4,000.00	\$ 40,000.00
40	MANHOLE, SW 401, 60"	EA	3.0	\$5,000.00	\$ 15,000.00
41	MANHOLE, SW 401, 72"	EA	1.0	\$6,000.00	\$ 6,000.00

ITEM	DESCRIPTION	ESTIMATED UNITS			AMOUNT TOTAL
		UNIT	TOTAL	UNIT PRICE	
42	MANHOLE, SW 401, 84"	EA	8.0	\$7,000.00	\$ 56,000.00
43	INTAKE, SW 501	EA	4.0	\$5,000.00	\$ 20,000.00
44	INTAKE, SW 502, 48"	EA	4.0	\$5,000.00	\$ 20,000.00
45	INTAKE, SW 502, 60"	EA	1.0	\$4,500.00	\$ 4,500.00
46	INTAKE, SW 502, 72"	EA	5.0	\$6,000.00	\$ 30,000.00
47	INTAKE, SW 502 MOD, 72"	EA	1.0	\$8,000.00	\$ 8,000.00
48	INTAKE, SW 502, 96"	EA	2.0	\$6,000.00	\$ 12,000.00
49	INTAKE, SW 505	EA	37.0	\$6,000.00	\$ 222,000.00
50	INTAKE, SW 505 MOD	EA	5.0	\$6,000.00	\$ 30,000.00
51	INTAKE, SW 506	EA	1.0	\$6,000.00	\$ 6,000.00
52	INTAKE, SW 506 MOD	EA	3.0	\$6,000.00	\$ 18,000.00
53	INTAKE, SW 511	EA	1.0	\$6,000.00	\$ 6,000.00
54	BULKHEAD, 60" RCPP	EA	1.0	\$4,000.00	\$ 4,000.00
55	8" DI DROP CONNECTION	EA	1.0	\$4,000.00	\$ 4,000.00
56	10" DI DROP CONNECTION	EA	1.0	\$4,000.00	\$ 4,000.00
57	12" DI DROP CONNECTION	EA	1.0	\$5,000.00	\$ 5,000.00
58	MANHOLE ADJUSTMENT, MINOR	EA	9.0	\$750.00	\$ 6,750.00
59	INTAKE ADJUSTMENT, MINOR	EA	1.0	\$750.00	\$ 750.00
60	MANHOLE ADJUSTMENT, MAJOR	EA	8.0	\$1,500.00	\$ 12,000.00
61	CONNECT TO GATE WELL	EA	1.0	\$7,500.00	\$ 7,500.00
62	CONNECT TO TRENCH DRAIN	EA	1.0	\$6,000.00	\$ 6,000.00
63	CONNECTION TO EXISTING INTAKE	EA	2.0	\$3,000.00	\$ 6,000.00
64 *	REMOVE MANHOLE	EA	3.0	\$1,000.00	\$ 3,000.00
65 *	REMOVE INTAKE	EA	21.0	\$1,000.00	\$ 21,000.00
66	PAVEMENT, PCC, 6"	SY	148.0	\$60.00	\$ 8,880.00
67	RIBBON CURB, PCC 9", 1'-0" WIDE	LF	249.0	\$40.00	\$ 9,960.00
68	CURB AND GUTTER, PCC 9", 1'-0" WIDE	LF	270.0	\$40.00	\$ 10,800.00
69	CURB AND GUTTER, PCC, 7", 2'-6" WIDE	LF	10488.0	\$40.00	\$ 419,520.00
70	CURB AND GUTTER, PCC, 9", 2'-6" WIDE	LF	112.0	\$50.00	\$ 5,600.00
71	HMA HT SURFACE, 1/2" MIX, NO FRIC, PG 58-28H	TON	15.0	\$120.00	\$ 1,800.00
72	PAVEMENT, HMA HT, 6" BASE COURSE	TON	3319.0	\$110.00	\$ 365,090.00
73	PAVEMENT, HMA HT, 7" SURFACE COURSE	TON	1656.0	\$110.00	\$ 182,160.00
74 *	REMOVAL OF SIDEWALK	SY	2882.0	\$10.00	\$ 28,820.00
75 *	REMOVAL OF DRIVEWAY	SY	1158.0	\$10.00	\$ 11,580.00
76	SIDEWALK, PCC, 4" THICK	SY	1760.0	\$60.00	\$ 105,600.00
77	SIDEWALK, PCC, 6" THICK	SY	953.0	\$70.00	\$ 66,710.00
78	DETECTABLE WARNING	SF	1120.0	\$40.00	\$ 44,800.00
79	DRIVEWAY, PCC, 6" THICK	SY	977.0	\$50.00	\$ 48,850.00
80	DRIVEWAY, PCC, 7" THICK	SY	208.0	\$55.00	\$ 11,440.00
81 *	DRIVEWAY, GRANULAR	TON	370.0	\$30.00	\$ 11,100.00
82	FULL DEPTH PATCH. COMPOSITE SECTIONS	SY	40.0	\$100.00	\$ 4,000.00
83 *	PAVEMENT SCARIFICATION	SY	87.0	\$20.00	\$ 1,740.00
84 *	PAVEMENT REMOVAL	SY	18652.0	\$6.00	\$ 111,912.00
85 *	TRAFFIC CONTROL	LS	1.0	\$40,000.00	\$ 40,000.00
86 *	SOD	SF	1406.0	\$80.00	\$ 112,480.00
87 *	STORMWATER POLLUTION PREVENTION PLAN	LS	1.0	\$7,500.00	\$ 7,500.00

ITEM	DESCRIPTION	ESTIMATED UNITS			AMOUNT TOTAL
		UNIT	TOTAL	UNIT PRICE	
88 *	FILTER SOCK, 9" DIA	LF	1949.0	\$4.00	\$ 7,796.00
89 *	FILTER SOCK REMOVAL	LF	1949.0	\$1.00	\$ 1,949.00
90 *	INLET PROTECTION DEVICE	EA	33.0	\$150.00	\$ 4,950.00
91 *	CHAIN LINK FENCE, 48", SALVAGE, REPLACE	LF	96.0	\$20.00	\$ 1,920.00
92 *	CHAIN LINK FENCE, 72", SALVAGE, REPLACE	LF	40.0	\$35.00	\$ 1,400.00
93 *	CHAIN LINK FENCE, 48"	LF	75.0	\$25.00	\$ 1,875.00
94 *	REMOVAL OF FENCE	LF	211.0	\$5.00	\$ 1,055.00
95	MODULAR BLOCK RETAINING WALL	SF	310.0	\$25.00	\$ 7,750.00
96	COMBINED RETAINING WALL - SIDEWALK	CY	69.0	\$700.00	\$ 48,300.00
97	CONCRETE STEPS, TYPE A	SF	29.0	\$125.00	\$ 3,625.00
98	HANDRAIL, BLACK STEEL PIPE	LF	14.0	\$30.00	\$ 420.00
99 *	CONSTRUCTION STAKING	LS	1.0	\$40,000.00	\$ 40,000.00
100 *	MOBILIZATION	LS	1.0	\$55,471.00	\$ 55,471.00
101 *	PAINTED PAVEMENT MARKINGS/WATERBORNE, 4"	STA	3.2	\$500.00	\$ 1,600.00
102 *	TREE PROTECTION FENCE, 4' HIGH	LF	150.0	\$7.00	\$ 1,050.00
103 *	TREE TRUNK PROTECTION	EA	54.0	\$175.00	\$ 9,450.00
104 *	TREE ROOT GRINDING	HOURS	10.0	\$250.00	\$ 2,500.00
105 *	TREE TRIMMING	EA	10.0	\$500.00	\$ 5,000.00
106 *	MAINTENANCE OF SOLID WASTE COLLECTION	LS	1.0	\$7,500.00	\$ 7,500.00
107 *	GREEN INFRASTRUCTURE EARTHWORK	LS	1.0	\$17,500.00	\$ 17,500.00
108	COMBINATION CURB CUT/SEDIMENT TRAP	EA	1.0	\$1,000.00	\$ 1,000.00
109 *	FINAL LANDSCAPE GRADING	SY	460.0	\$20.00	\$ 9,200.00
110 *	PLANTING MEDIA & BED PREPARATION	SY	57.0	\$50.00	\$ 2,850.00
111	TAP STORM HANHOLE FOR UNDERDRAIN	EA	2.0	\$250.00	\$ 500.00
112	UNDERDRAIN CLEANOUT	EA	2.0	\$2,500.00	\$ 5,000.00
113 *	ENGINEERING FABRIC	SY	430.0	\$10.00	\$ 4,300.00
114	SLOTTED UNDERDRAIN - 6" PIPE	LF	320.0	\$30.00	\$ 9,600.00
115	SOLID UNDERDRAIN - 6" PIPE	LF	120.0	\$22.00	\$ 2,640.00
116	SLOTTED UNDERDRAIN - 8" PIPE	LF	140.0	\$33.00	\$ 4,620.00
117	SOLID UNDERDRAIN - 8" PIPE	LF	335.0	\$25.00	\$ 8,375.00
118 *	SUBBASE AGGREGATE	TON	139.0	\$50.00	\$ 6,950.00
119 *	FILTER AGGREGATE	TON	83.0	\$65.00	\$ 5,395.00
120	PERMEABLE CONCRETE PAVERS WITH BEDDING	SF	2220.0	\$20.00	\$ 44,400.00
121 *	BIORETENTION AMENDED SOIL	CY	25.0	\$80.00	\$ 2,000.00
122 *	PLANTING SOIL MIX	CY	185.0	\$70.00	\$ 12,950.00
123 *	DECIDUOUS SHRUBS - 5 GALLON	EA	76.0	\$60.00	\$ 4,560.00
124 *	PERNENIALS/ORNAMENTAL GRASSES - 1 GALLON	EA	741.0	\$18.00	\$ 13,338.00
125 *	GROUND COVER - 4 1/2" POT	EA	1390.0	\$6.00	\$ 8,340.00
126	METAL EDGE	LF	320.0	\$10.00	\$ 3,200.00
127 *	WOOD CHIP MULCH	CY	60.0	\$45.00	\$ 2,700.00
128	WATER MAIN ALTERATION NO. 1	EA	1.0	\$10,000.00	\$ 10,000.00
129	WATER MAIN ALTERATION NO. 2	EA	1.0	\$10,000.00	\$ 10,000.00
130	WATER MAIN ALTERATION NO. 3	EA	1.0	\$10,000.00	\$ 10,000.00
131	WATER MAIN ALTERATION NO. 4	EA	1.0	\$18,000.00	\$ 18,000.00
132	WATER MAIN ALTERATION NO. 5	EA	1.0	\$21,000.00	\$ 21,000.00
133	WATER MAIN ALTERATION NO. 6	EA	1.0	\$11,000.00	\$ 11,000.00

ITEM	DESCRIPTION	ESTIMATED UNITS			AMOUNT TOTAL
		UNIT	TOTAL	UNIT PRICE	
134	WATER MAIN ALTERATION NO. 7	EA	1.0	\$9,000.00	\$ 9,000.00
135	8" C900 PVC PIPE, STAB	LF	207.0	\$80.00	\$ 16,560.00
136	8" BEND	EA	4.0	\$1,000.00	\$ 4,000.00
137	6" SOLID SLEEVE	EA	1.0	\$500.00	\$ 500.00
138	8" CAP	EA	1.0	\$2,000.00	\$ 2,000.00
139	8" X 6" REDUCER	EA	1.0	\$700.00	\$ 700.00
140	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	EA	1.0	\$4,000.00	\$ 4,000.00
141	FIRE HYDRANT ASSEMBLY	EA	1.0	\$6,000.00	\$ 6,000.00
142	NEW 1" WATER SERVICE TRANSFER, SAME SIDE	EA	1.0	\$2,000.00	\$ 2,000.00
143	NEW 1" WATER SERVICE TRANSFER, OPPOSITE SIDE	EA	1.0	\$2,500.00	\$ 2,500.00
144	LOWER WATER SERVICE	EA	15.0	\$1,500.00	\$ 22,500.00
145	LOWER WATER SERVICE, WITH NEW COPPER	EA	5.0	\$2,000.00	\$ 10,000.00

Prepared By: Corey D. Bogenreif, PE

Checked By: _____

TOTAL CONSTRUCTION COST \$ 4,635,000.00

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

* ESTIMATE TOTAL \$ 768,641.00