

DATE December 4, 2017

ORDERING CONSTRUCTION OF  
31ST STREET RECONSTRUCTION FROM I-235 TO UNIVERSITY AVENUE  
AND FIXING A DATE FOR RECEIVING OF BIDS ON DECEMBER 19, 2017  
AND PUBLIC HEARING ON JANUARY 8, 2018  
ENGINEER'S ESTIMATE IS \$880,000.00

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:

31st Street Reconstruction from I-235 to University Avenue, 06-2017-002

The improvement includes the reconstruction of 31st Street from I-235 to University Avenue with full-depth Hot Mix Asphalt (HMA) pavement, including pavement scarification and removal, furnish and place HMA, full depth Portland Cement Concrete (PCC) patching, PCC curb and gutter, PCC sidewalk, PCC driveway, pavement markings, sidewalk ramps, 15-inch and 24-inch RCP storm sewer, intakes, manholes, sanitary sewer repairs, water main alterations, modular block retaining wall, fencing, sodding, and miscellaneous associated work including cleanup; in accordance with the contract documents, including Plan File Nos. 588-140/193, located at 31st Street from I-235 to University Avenue, Des Moines, Iowa.

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$880,000.00. 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 January 8, 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 December 19, 2017, 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 Shijiazhuang Room, 2nd Floor, City Administration Building, 400 E. Court Avenue, Des Moines, Iowa, at 11:00 a.m. on December 19, 2017, 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**

6A

DATE December 4, 2017

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.

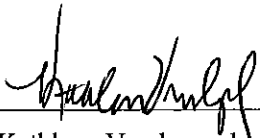
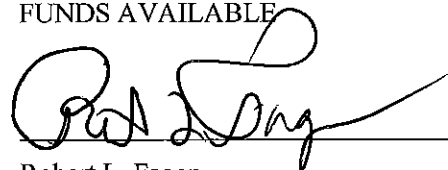
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 17-825 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool  
Deputy City Attorney

Robert L. Fagen  
Des Moines Finance Director

Funding Source: 2017-2018 CIP, Page Street – 30, Roadway Reconstruction, ST260, Being: \$600,746.82 Road Use Tax Funds, \$132,626.59 of Storm Water and \$132,626.59 of Sanitary Sewer Funds, and the remaining \$14,000 from Des Moines Water Works

COUNCIL ACTION	YEAS	NAYS	Pass	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
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

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CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

06-2017-002

DATE: 11/14/17

PROJECT: 31ST STREET RECONSTRUCTION FROM I-235 TO UNIVERSITY AVENUE

NO.	DESCRIPTION	ESTIMATED UNITS					UNIT PRICE	AMOUNT			
		UNIT	Div 1	Div 2	Div 3	TOTAL		Div 1	Div 2	Div 3	TOTAL
1	* CLEARING AND GRUBBING	LS	1			1	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$4,000.00
2	* TOPSOIL, OFF - SITE	CY	143	47		190	\$55.00	\$7,865.00	\$2,585.00	\$0.00	\$10,450.00
3	* EXCAVATION, CLASS 10	CY	390			390	\$30.00	\$11,700.00	\$0.00	\$0.00	\$11,700.00
4	* SUBGRADE PREPARATION, 6 IN. DEPTH	SY	1214	126		1340	\$5.00	\$6,070.00	\$630.00	\$0.00	\$6,700.00
5	* SUBGRADE TREATMENT - GEOGRID	SY	100			100	\$5.00	\$500.00	\$0.00	\$0.00	\$500.00
6	* SUBGRADE TREATMENT - FLY ASH / LIME	SY	2125	715		2840	\$20.00	\$42,500.00	\$14,300.00	\$0.00	\$56,800.00
7	* SUBBASE, MODIFIED	SY	1214	126		1340	\$13.00	\$15,782.00	\$1,638.00	\$0.00	\$17,420.00
8	SANITARY SEWER GRAVITY MAIN, TRENCHED, 8" DIA.	LF	0	27		27	\$95.00	\$0.00	\$2,565.00	\$0.00	\$2,565.00
9	SANITARY SEWER GRAVITY MAIN, TRENCHED, 12" DIA.	LF	0	39		39	\$100.00	\$0.00	\$3,900.00	\$0.00	\$3,900.00
10	* REMOVAL OF SANITARY SEWER, VCP, 12" DIA AND LESS	LF	0	66		66	\$25.00	\$0.00	\$1,650.00	\$0.00	\$1,650.00
11	STORM SEWER, TRENCHED, 2000D RCP, 15 IN.	LF	0	152		152	\$75.00	\$0.00	\$11,400.00	\$0.00	\$11,400.00
12	STORM SEWER, TRENCHED, 2000D RCP, 24 IN.	LF	0	363		363	\$120.00	\$0.00	\$43,560.00	\$0.00	\$43,560.00
13	STORM SEWER ABANDONMENT, FILL AND PLUG	LF	0	83		83	\$25.00	\$0.00	\$2,075.00	\$0.00	\$2,075.00
14	MANHOLE, SW-301, 48 IN.	EACH	0	2		2	\$7,000.00	\$0.00	\$14,000.00	\$0.00	\$14,000.00
15	INTAKE, SW-501	EACH	0	4		4	\$3,500.00	\$0.00	\$14,000.00	\$0.00	\$14,000.00
16	INTAKE, SW-503	EACH	0	2		2	\$5,000.00	\$0.00	\$10,000.00	\$0.00	\$10,000.00
17	INTAKE, SW-505	EACH	0	1		1	\$5,500.00	\$0.00	\$5,500.00	\$0.00	\$5,500.00
18	INTAKE, SW-506	EACH	0	1		1	\$6,000.00	\$0.00	\$6,000.00	\$0.00	\$6,000.00
19	* REMOVE INTAKE OR MANHOLE	EACH	0	6		6	\$1,000.00	\$0.00	\$6,000.00	\$0.00	\$6,000.00
20	PAVEMENT, PCC, 7 IN.	SY	67	112		179	\$75.00	\$5,025.00	\$6,400.00	\$0.00	\$13,425.00
21	CURB AND GUTTER, PCC, 8 IN	LF	1660	440		2100	\$25.00	\$41,500.00	\$11,000.00	\$0.00	\$52,500.00
22	HMA HT SURFACE, 1/2" MIX, NO FRIC, PG 58-28H	TON	180			180	\$125.00	\$22,500.00	\$0.00	\$0.00	\$22,500.00
23	PAVEMENT, HMA HT, 8 IN. THICK	SY	2580	520		3100	\$60.00	\$154,800.00	\$31,200.00	\$0.00	\$186,000.00
24	* HMA PAVEMENT SAMPLES AND TESTING	LS	1			1	\$10,000.00	\$10,000.00	\$0.00	\$0.00	\$10,000.00
25	* CLEANING AND PREPARATION OF BASE	MILE	0.1			0.1	\$15,000.00	\$1,500.00	\$0.00	\$0.00	\$1,500.00
26	* REMOVAL OF SIDEWALK	SY	231	129		360	\$15.00	\$3,465.00	\$1,935.00	\$0.00	\$5,400.00
27	* REMOVAL OF DRIVEWAY	SY	267	43		310	\$15.00	\$4,005.00	\$645.00	\$0.00	\$4,650.00
28	SIDEWALK, PCC, 4 IN. THICK	SY	232	18		250	\$50.00	\$11,600.00	\$900.00	\$0.00	\$12,500.00
29	SIDEWALK, PCC, 6 IN. THICK	SY	79	56		135	\$80.00	\$6,320.00	\$4,480.00	\$0.00	\$10,800.00
30	DETECTABLE WARNING	SF	90	90		180	\$50.00	\$4,500.00	\$4,500.00	\$0.00	\$9,000.00
31	DRIVEWAY, PCC, 6 IN. THICK	SY	230			230	\$70.00	\$16,100.00	\$0.00	\$0.00	\$16,100.00

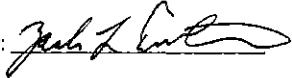
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NO.	DESCRIPTION	ESTIMATED UNITS					UNIT PRICE	AMOUNT			
		UNIT	Div 1	Div 2	Div 3	TOTAL		Div 1	Div 2	Div 3	TOTAL
32	DRIVEWAY, PCC, 7 IN. THICK	SY	25	35		60	\$80.00	\$2,000.00	\$2,800.00	\$0.00	\$4,800.00
33	* DRIVEWAY, HMA, 7 IN. THICK	SY	10	8		18	\$100.00	\$1,000.00	\$800.00	\$0.00	\$1,800.00
34	DRIVEWAY, GRANULAR	TON	45			45	\$40.00	\$1,800.00	\$0.00	\$0.00	\$1,800.00
35	* FULL DEPTH FINISH PATCH, PCC	SY	0	90		90	\$120.00	\$0.00	\$10,800.00	\$0.00	\$10,800.00
36	* PAVEMENT SCARIFICATION	SY	1972			1972	\$8.00	\$15,776.00	\$0.00	\$0.00	\$15,776.00
37	* PAVEMENT REMOVAL	SY	3080	600		3680	\$15.00	\$46,200.00	\$9,000.00	\$0.00	\$55,200.00
38	* PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	40.18			40.18	\$50.00	\$2,009.00	\$0.00	\$0.00	\$2,009.00
39	* PAINTED PAVEMENT MARKING, DURABLE (EPOXY)	STA	6.96			6.96	\$340.00	\$2,366.40	\$0.00	\$0.00	\$2,366.40
40	* INLAY PAVEMENT MARKINGS, PROFILED MARKING TAPE	STA	40.18			40.18	\$450.00	\$18,081.00	\$0.00	\$0.00	\$18,081.00
41	* GROOVED-IN PAVEMENT MARKINGS, PROFILED MARKING TAPE	STA	21.48			21.48	\$450.00	\$9,666.00	\$0.00	\$0.00	\$9,666.00
42	* INLAY PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TAPE	EACH	2			2	\$500.00	\$1,000.00	\$0.00	\$0.00	\$1,000.00
43	* GROOVED-IN PRE-CUT SYMBOLS AND LEGENDS, INTERSECTION MARKING TAPE	EACH	6			6	\$500.00	\$3,000.00	\$0.00	\$0.00	\$3,000.00
44	* GROOVES CUT FOR PAVEMENT MARKINGS	EACH	28.44			28.44	\$150.00	\$4,266.00	\$0.00	\$0.00	\$4,266.00
45	* GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	6			6	\$250.00	\$1,500.00	\$0.00	\$0.00	\$1,500.00
46	* TRAFFIC CONTROL	LS	0.7	0.3		1	\$15,000.00	\$10,500.00	\$4,500.00	\$0.00	\$15,000.00
47	* FLAGGERS, CERTIFIED	DAY	7	3		10	\$500.00	\$3,500.00	\$1,500.00	\$0.00	\$5,000.00
48	* SOD	SQ	165	55		220	\$90.00	\$14,850.00	\$4,950.00	\$0.00	\$19,800.00
49	* STORM WATER POLLUTION PREVENTION	LS	0.7	0.3		1	\$2,000.00	\$1,400.00	\$600.00	\$0.00	\$2,000.00
50	* FILTER SOCK, 9 INCH DIA.	LF	1410	400		1810	\$2.50	\$3,525.00	\$1,000.00	\$0.00	\$4,525.00
51	* FILTER SOCK, REMOVAL	LF	1410	400		1810	\$1.00	\$1,410.00	\$400.00	\$0.00	\$1,810.00
52	* EROSION CONTROL MULCHING, HYDROMULCHING	ACRE	0.38	0.12		0.5	\$5,000.00	\$1,900.00	\$600.00	\$0.00	\$2,500.00
53	* INLET PROTECTION DEVICE	EACH	0	7		7	\$500.00	\$0.00	\$3,500.00	\$0.00	\$3,500.00
54	* CHAIN LINK FENCE, 48 IN.	LF	51			51	\$25.00	\$1,275.00	\$0.00	\$0.00	\$1,275.00
55	* REMOVAL OF FENCE	LF	51			51	\$15.00	\$765.00	\$0.00	\$0.00	\$765.00
56	MODULAR BLOCK RETAINING WALL	SF	605			605	\$30.00	\$18,150.00	\$0.00	\$0.00	\$18,150.00
57	CONCRETE STEPS, TYPE A	SF	20			20	\$150.00	\$3,000.00	\$0.00	\$0.00	\$3,000.00
58	CONCRETE STEPS, TYPE B	SF	36			36	\$150.00	\$5,400.00	\$0.00	\$0.00	\$5,400.00
59	* HANDRAIL, BLACK STEEL PIPE	LF	25			25	\$100.00	\$2,500.00	\$0.00	\$0.00	\$2,500.00
60	* REMOVAL OF CONCRETE STEPS	SF	23			23	\$30.00	\$690.00	\$0.00	\$0.00	\$690.00
61	* MOBILIZATION	LS	0.7	0.3		1	\$59,300.60	\$41,510.42	\$17,790.18	\$0.00	\$59,300.60
62	* TREE PROTECTION FENCE, 4' HIGH	LF	165			165	\$5.00	\$825.00	\$0.00	\$0.00	\$825.00
63	* TREE TRUNK PROTECTION	EACH	9	1		10	\$350.00	\$3,150.00	\$350.00	\$0.00	\$3,500.00
64	NEW STOP BOX HOUSING	EACH	2	1		3	\$400.00	\$800.00	\$400.00	\$0.00	\$1,200.00
65	NEW STOP BOX ROD	EACH	2	1		3	\$400.00	\$800.00	\$400.00	\$0.00	\$1,200.00
66	RELOCATION OF WATER SERVICE	EACH	0	2		2	\$1,500.00	\$0.00	\$3,000.00	\$0.00	\$3,000.00

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NO.	DESCRIPTION	ESTIMATED UNITS					UNIT PRICE	AMOUNT			
		UNIT	Div 1	Div 2	Div 3	TOTAL		Div 1	Div 2	Div 3	TOTAL
67	LOOP DETECTOR REPLACEMENT, 6' X 8'	EACH	2			2	\$1,200.00	\$2,400.00	\$0.00	\$0.00	\$2,400.00
68	LOOP DETECTOR REPLACEMENT, 6' X 20'	EACH	4			4	\$1,000.00	\$4,000.00	\$0.00	\$0.00	\$4,000.00
69	WATER MAIN ALTERATION NO. 1	EACH	0		1	1	\$8,000.00	\$0.00	\$0.00	\$8,000.00	\$8,000.00
70	REMOVE AND REPLACE FIRE HYDRANT	EACH	0		1	1	\$6,000.00	\$0.00	\$0.00	\$6,000.00	\$6,000.00
<b>TOTAL CONSTRUCTION COST</b>											
								\$600,746.82	\$265,253.18	\$14,000.00	\$880,000.00

Prepared By: Matt Radermacher

Checked By: 

Div 1 = Streets Div 2 = Sewers Div 3 = DMWW Total

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

\* Estimate Total= \$381,725.00

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