

DATE December 2, 2019

ORDERING CONSTRUCTION OF
E. 30TH STREET BRIDGE REHABILITATION OVER U.P.R.R.
AND FIXING A DATE FOR RECEIVING OF BIDS ON DECEMBER 17, 2019
AND PUBLIC HEARING ON JANUARY 13, 2020
ENGINEER'S ESTIMATE IS \$6,034,710.00

WHEREAS, this Council deems it advisable and necessary to construct the below referenced improvement, all in accordance with the plans and specifications, and has caused to be prepared plans, specifications, and form of contract, together with estimate of cost, which are now on file in the City Engineer's Office, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa 50309, for public inspection for the construction of said improvements, and said plans, specifications and form of contract are deemed suitable for the making of said improvement, for which the State of Iowa Department of Transportation (IDOT) and the City of Des Moines, (CITY) have an agreement, previously approved by this Council, under which the IDOT has agreed to advertise, receive, open and tabulate sealed bids, and

WHEREAS, before said plans, specifications, form of contract, and estimated cost of the improvement may be approved, and contract for the construction of the improvement entered into, it is necessary to hold a public hearing.

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:

E. 30th Street Bridge Rehabilitation over U.P.R.R., 12-2016-001
BHM-SWAP-1945(828)--SA-77, STBG-SWAP-1945(833)--SG-77

The improvement includes the structural rehabilitation of the viaduct, consisting of the following: complete removal and replacement of the concrete bridge deck, replacement of all concrete barrier rails and sidewalk fencing, new bridge joints, structural modifications to bridge abutments, replacement of bridge bearings, rehabilitation of bridge piers, new drainage system, full blast cleaning and repainting of bridge beams, removal and replacement of approach pavement and sidewalks, new guardrail, repairs to retaining walls, traffic control, pavement markings, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 597-116/223, located on E. 30th Street between Dean Avenue and Raccoon Street in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$6,034,710.00. 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 13, 2020, at which time this Council will consider any objections offered thereto or to the making of said improvement.

★ **Roll Call Number**

Agenda Item Number

6A

DATE December 2, 2019

BE IT FURTHER RESOLVED: That proposals will be received by the Iowa Department of Transportation, for the construction of said improvements, and the taking of bids in the manner required by law. Proposals received will be opened and tabulated by the Iowa Department of Transportation on December 17, 2019, after which the bids together with a report and recommendation of the Chief Civil Engineer, will be presented to City Council at its next meeting for action thereon.

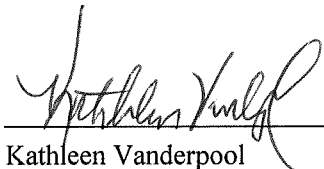
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

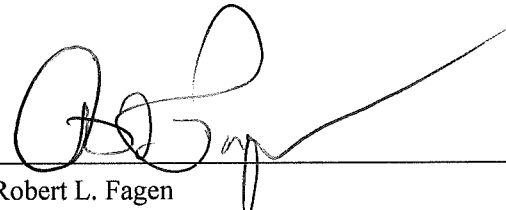
(City Council Communication Number 19-514 attached.)

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 Bridge - 6, E. 30th Street Bridge over UPRR, BR055, Being: \$1,000,000 in Surface Transportation Block Grant Program Federal-aid Swap funds (80% of eligible construction costs or \$1,000,000 max) and \$1,000,000 in City Bridge Federal-aid Swap funds (80% of eligible construction costs or \$1,000,000 max), and the remaining \$4,034,710 from BR039, Gaming Monies

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

6A



ENGINEER'S OPINION OF PROBABLE COST (FINAL PLAN)

Project Number: 27411						
E. 30th Street Bridge Rehabilitation						
ITEM NO.	ITEM CODE	ITEM	UNIT	QUANTITY	UNIT COST	ITEM COST
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.1	\$10,000.00	\$1,000.00
2	2102-0425071	SPECIAL BACKFILL	CY	796.6	\$45.00	\$35,847.00
3	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	50	\$25.00	\$1,250.00
4	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY	650	\$30.00	\$19,500.00
5	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	25	\$40.00	\$1,000.00
6	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	1300	\$10.00	\$13,000.00
7	2122-5191005	REINFORCED PAVED SHOULDER FOR CONCRETE BARRIER	SY	938.8	\$150.00	\$140,820.00
8	2214-5145150	PAVEMENT SCARIFICATION	SY	100	\$5.00	\$500.00
9	2301-0690203	BRIDGE APPROACH, BR-203	SY	620.0	\$225.00	\$139,500.00
10	2301-1033090	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 9 IN.	SY	1866.1	\$65.00	\$121,296.50
11	2303-0101000	HOT MIX ASPHALT MIXTURE, WEDGE, LEVELING OR STRENGTHENING COURSE	SY	100	\$30.00	\$3,000.00
12	2401-6750001	REMOVALS, AS PER PLAN	LS	1	\$350,000.00	\$350,000.00
13	2402-2720000	EXCAVATION, CLASS 20	CY	16	\$50.00	\$800.00
14	2403-0100000	STRUCTURAL CONCRETE (MISC)	CY	19.1	\$2,200.00	\$42,020.00
15	2403-0100010	STRUCTURAL CONCRETE (BRIDGE)	CY	1205.7	\$950.00	\$1,145,415.00
16	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	382891	\$1.30	\$497,758.30
17	2404-7775009	REINFORCING STEEL, STAINLESS STEEL	LB	10644	\$4.00	\$42,576.00
18	2408-7800000	STRUCTURAL STEEL	LB	18116	\$7.00	\$126,812.00
19	2412-0000100	LONGITUDINAL GROOVING IN CONCRETE	SY	5729.9	\$3.00	\$17,189.70
20	2413-1200000	STEEL EXTRUSION JOINT WITH NEOPRENE	LF	103	\$250.00	\$25,750.00
21	2413-1200100	NEOPRENE GLAND INSTALLATION AND TESTING	LF	103	\$100.00	\$10,300.00
22	2414-6424110	CONCRETE BARRIER RAILING	LF	1047.7	\$80.00	\$83,816.00
23	2414-6425410	CONCRETE BARRIER, REINFORCED, SEPARATION	LF	1323.7	\$80.00	\$105,896.00
24	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING	LF	2395	\$70.00	\$167,650.00
25	2416-0100030	APRONS, CONCRETE, 30 IN. DIA.	EACH	1	\$1,750.00	\$1,750.00
26	2428-6772016	CONCRETE REPAIR	SF	137	\$150.00	\$20,550.00
27	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	1	\$5,000.00	\$5,000.00
28	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	2	\$6,000.00	\$12,000.00
29	2435-0250100	INTAKE, SW-501	EACH	2	\$5,000.00	\$10,000.00
30	2435-0254910	BARRIER INTAKE, SW-549 MODIFIED	EACH	2	\$15,000.00	\$30,000.00
31	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	1	\$2,000.00	\$2,000.00
32	2499-2300001	DECK DRAINS	LS	1	\$60,000.00	\$60,000.00
33	2499-2300002	BRIDGE DRAINAGE SYSTEM	LS	1	\$100,000.00	\$100,000.00
34	2501-8400179	TEMPORARY SUPPORTS	LS	1	\$50,000.00	\$50,000.00
35	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	859	\$75.00	\$64,425.00
36	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	58	\$75.00	\$4,350.00
37	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 30 IN.	LF	145	\$100.00	\$14,500.00
38	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	226	\$25.00	\$5,650.00
39	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	1528	\$25.00	\$38,200.00
40	2505-4008300	STEEL BEAM GUARDRAIL	LF	100	\$30.00	\$3,000.00
41	2505-4008420	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION, BA-221	EACH	2	\$1,500.00	\$3,000.00
42	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	2	\$300.00	\$600.00
43	2505-4021722	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-225	EACH	2	\$2,500.00	\$5,000.00
44	2507-2638820	MACADAM STONE SLOPE PROTECTION	SY	369.4	\$70.00	\$25,858.00
45	2507-2638660	BRIDGE WING ARMORING - MACADAM STONE	SY	8.9	\$100.00	\$890.00
46	2508-0804000	BRIDGE CLEANING FOR PAINTING	LS	1	\$25,000.00	\$25,000.00
47	2508-0805000	BLAST CLEANING OF STRUCTURAL STEEL	LS	1	\$350,000.00	\$350,000.00
48	2508-0970000	CONTAINMENT	LS	1	\$250,000.00	\$250,000.00

