

DATE February 25, 2019

ORDERING CONSTRUCTION OF
DES MOINES RIVER REGIONAL TRAIL - PHASE 2
AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 19, 2019
AND PUBLIC HEARING ON APRIL 8, 2019
ENGINEER'S ESTIMATE IS \$2,250,000.00

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:

Des Moines River Regional Trail - Phase 2, 11-2016-005
17-R4-DY, TAP-T-1945(837)--8V-77

The improvement includes the construction of a 10-foot wide, 5-inch thick Hot Mix Asphalt (HMA) recreational trail, Portland Cement Concrete (PCC) sidewalk and sidewalk ramps, drainage improvements, cast-in-place reinforced concrete box culvert, pre-engineered steel truss trail bridge and abutments, fencing, trail signage, traffic signs and sign posts, traffic control, grading, site restoration, erosion control, and other associated work and incidental items; in accordance with the contract documents, including Plan File Nos. 605-053/207, from the intersection of Hartford Avenue and S.E. 22nd Street to the intersection of Watrous Avenue and S.E. 30th Court, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$2,250,000.00. 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.

★ **Roll Call Number**

Agenda Item Number

6C

DATE February 25, 2019

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 April 8, 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 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 March 19, 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.

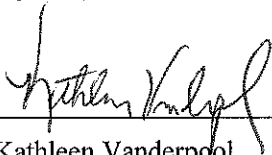
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

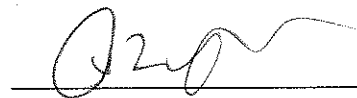
(City Council Communication Number 19-066 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Robert L. Fagen
Des Moines Finance Director

Funding Source: New Project PK183 formerly part of 2018-2019 CIP, Page Parks – 8, Multi-Use Trails, PK045, Various Funding, Being: \$1,100,000 maximum in Federal funds from Transportation Alternative Program (TAP), and Surface Transportation Block Grant Program (STBG), and \$250,000 in Federal Recreation Trail Grant for 80% eligible construction costs only under IDOT Project No. TAP-T-1945(837)—8V-77; \$300,000 Iowa DNR REAP Grant, Agreement 17-R4-DY; and the remaining \$600,000 from Multi-Use Trails, PK045, G.O. Bonds

SLW

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

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.

Mayor

City Clerk

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CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

Activity ID 11-2016-005
TAP-T-1945(837)-8V-77
DATE: 12/14/2018

PROJECT: Des Moines River Trail - Phase 2

ITEM	DESCRIPTION	ESTIMATED UNITS			AMOUNT TOTAL
		UNIT	TOTAL	UNIT PRICE	
1 *	CLEARING AND GRUBBING	ACRE	7.5	\$ 10,000.00	\$ 75,000.00
2 *	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	18641.8	\$ 15.00	\$ 279,627.00
3 *	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	5489.8	\$ 8.00	\$ 43,918.40
4 *	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	3600.0	\$ 10.00	\$ 36,000.00
5 *	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	2000.0	\$ 6.00	\$ 12,000.00
6 *	MODIFIED SUBBASE	CY	3930.5	\$ 55.00	\$ 216,177.50
7 *	SHOULDER FINISHING, EARTH	STA	265.0	\$ 120.00	\$ 31,800.00
8	ASPHALT EMULSION FOR FOG SEAL (PAVEMENT)	GAL	1735.0	\$ 20.00	\$ 34,700.00
9 *	FLOODED BACKFILL	CY	320.0	\$ 40.00	\$ 12,800.00
10	STRUCTURAL CONCRETE (RCB CULVERT)	CY	108.2	\$ 600.00	\$ 64,920.00
11	REINFORCING STEEL	LB	18178.0	\$ 1.25	\$ 22,722.50
12	APRONS, CONCRETE, 15 IN. DIA.	EACH	11.0	\$ 1,000.00	\$ 11,000.00
13	APRONS, CONCRETE, 18 IN. DIA.	EACH	12.0	\$ 1,200.00	\$ 14,400.00
14	APRONS, CONCRETE, 24 IN. DIA.	EACH	7.0	\$ 1,500.00	\$ 10,500.00
15	APRONS, CONCRETE, 30 IN. DIA.	EACH	1.0	\$ 1,800.00	\$ 1,800.00
16	APRONS, CONCRETE, 36 IN. DIA.	EACH	2.0	\$ 2,000.00	\$ 4,000.00
17	APRONS, CONCRETE, 42 IN. DIA.	EACH	2.0	\$ 2,400.00	\$ 4,800.00
18	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 15 IN. DIA.	LF	97.0	\$ 90.00	\$ 8,730.00
19	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 18 IN. DIA.	LF	93.0	\$ 95.00	\$ 8,835.00
20	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 24 IN. DIA.	LF	160.0	\$ 105.00	\$ 16,800.00
21	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 30 IN. DIA.	LF	34.0	\$ 120.00	\$ 4,080.00
22	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 36 IN. DIA.	LF	16.0	\$ 130.00	\$ 2,080.00
23	CULVERT, 3000D CONCRETE ENTRANCE PIPE, 42 IN. DIA.	LF	24.0	\$ 150.00	\$ 3,600.00
24 *	TEMPORARY STREAM DIVERSION	EACH	1.0	\$ 15,000.00	\$ 15,000.00
25 *	PRE-ENGINEERED STEEL TRUSS TRAIL BRIDGE, 120'-0" X 12'-0"	EACH	1.0	\$ 310,000.00	\$ 310,000.00
26	INTAKE, SW-512, 24 IN.	EACH	1.0	\$ 3,000.00	\$ 3,000.00
27	INTAKE, SW-512, 30 IN.	EACH	1.0	\$ 3,200.00	\$ 3,200.00
28	INTAKE, SW-512, 36 IN.	EACH	1.0	\$ 3,500.00	\$ 3,500.00
29	CONNECTION TO EXISTING INTAKE	EACH	1.0	\$ 3,000.00	\$ 3,000.00
30	SUBDRAIN, STANDARD, NON-PERFORATED, 6 IN., AS PER PLAN	LF	306.0	\$ 20.00	\$ 6,120.00
31	SUBDRAIN, STANDARD, NON-PERFORATED, 8 IN., AS PER PLAN	LF	88.0	\$ 30.00	\$ 2,640.00
32	SUBDRAIN OUTLET, DR-305	EACH	5.0	\$ 500.00	\$ 2,500.00
33 *	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	66.0	\$ 25.00	\$ 1,650.00
34 *	ENGINEERING FABRIC	SY	554.0	\$ 3.00	\$ 1,662.00
35 *	REVTMENT, CLASS E	TON	517.9	\$ 40.00	\$ 20,716.00
36 *	EROSION STONE	TON	267.7	\$ 30.00	\$ 8,031.00
37 *	REMOVAL OF PAVEMENT	SY	28.2	\$ 25.00	\$ 705.00
38 *	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	1.0	\$ 700.00	\$ 700.00
39	RECREATIONAL TRAIL, HOT MIX ASPHALT, 5 IN.	SY	14414.0	\$ 40.00	\$ 576,560.00
40	RECREATIONAL TRAIL, HOT MIX ASPHALT, 8 IN.	SY	42.0	\$ 60.00	\$ 2,520.00
41 *	REMOVAL OF SIDEWALK	SY	666.3	\$ 10.00	\$ 6,663.00
42	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	29.4	\$ 60.00	\$ 1,764.00
43	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	351.4	\$ 70.00	\$ 24,598.00
44	DETECTABLE WARNINGS	SF	144.0	\$ 40.00	\$ 5,760.00

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ITEM	DESCRIPTION	ESTIMATED UNITS			AMOUNT TOTAL
		UNIT	TOTAL	UNIT PRICE	
45	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.	LF	37.0	\$ 100.00	\$ 3,700.00
46 *	SAFETY CLOSURE	EACH	3.0	\$ 200.00	\$ 600.00
47	FENCE, CHAIN LINK, GALVANIZED, 42 IN. HEIGHT	LF	128.0	\$ 40.00	\$ 5,120.00
48	FENCE, CHAIN LINK, VINYL COATED, BLACK, 48 IN. HEIGHT	LF	70.0	\$ 55.00	\$ 3,850.00
49 *	REMOVAL OF FENCE, BARED WIRE	LF	40.0	\$ 10.00	\$ 400.00
50 *	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	1.0	\$ 150.00	\$ 150.00
51 *	PERFORATED SQUARE STEEL TUBE POSTS	LF	298.0	\$ 12.00	\$ 3,576.00
52 *	TYPE A SIGNS, SHEET ALUMINUM	SF	119.0	\$ 25.00	\$ 2,975.00
53 *	TRAFFIC CONTROL	LS	1.0	\$ 20,000.00	\$ 20,000.00
54 *	MOBILIZATION	LS	1.0	\$ 135,408.80	\$ 135,408.80
55	BICYCLE RACK	EACH	4.0	\$ 250.00	\$ 1,000.00
56	DIRECTIONAL STANDARD SIGN	EACH	2.0	\$ 7,500.00	\$ 15,000.00
57	DIRECTIONAL STANDARD SIGN - REMOVE AND RELOCATION	EACH	1.0	\$ 1,500.00	\$ 1,500.00
58	INFORMATION HUB	EACH	1.0	\$ 8,500.00	\$ 8,500.00
59	INLINE DRAIN, 6 IN.	EACH	3.0	\$ 1,200.00	\$ 3,600.00
60	INLINE DRAIN, 8 IN.	EACH	2.0	\$ 1,500.00	\$ 3,000.00
61 *	LIVE STAKES	EACH	575.0	\$ 20.00	\$ 11,500.00
62	ORNAMENTAL BENCH	EACH	5.0	\$ 500.00	\$ 2,500.00
63 *	SLOPE PROTECTION, EROSION CONTROL MAT	SQ	252.9	\$ 12.00	\$ 3,034.80
64 *	MULCHING	ACRE	16.8	\$ 2,000.00	\$ 33,600.00
65 *	NATIVE GRASS SEEDING	ACRE	1.4	\$ 3,000.00	\$ 4,200.00
66 *	SEEDING AND FERTILIZING (URBAN)	ACRE	1.8	\$ 1,500.00	\$ 2,700.00
67 *	SEEDING SPECIAL AREAS	ACRE	5.2	\$ 1,500.00	\$ 7,800.00
68 *	STABILIZED CONSTRUCTION ENTRANCE	LF	500.0	\$ 25.00	\$ 12,500.00
69 *	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	14389.5	\$ 2.50	\$ 35,973.75
70 *	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	14464.5	\$ 0.50	\$ 7,232.25

Prepared By: Corey D. Bogenreif, PE

Checked By: _____

TOTAL CONSTRUCTION COST \$ 2,250,000.00

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

*** ESTIMATE TOTAL** \$ 1,354,100.50