



Roll Call Number

Agenda Item Number

7

DATE January 12, 2015

ORDERING CONSTRUCTION OF
E. PAYTON AVENUE BRIDGE OVER STREAM
AND FIXING A DATE FOR RECEIVING OF BIDS ON JANUARY 21, 2015
AND PUBLIC HEARING ON FEBRUARY 9, 2015
ENGINEER'S ESTIMATE IS \$590,583.00

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 50309-1891, 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 Interim 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. Payton Avenue Bridge over Stream, 12-2011-003
BROS-1945(811)--8J-77

The improvement includes removal of the existing bridge and substructure, construction of a new reinforced concrete box culvert, pavement removal, roadway excavation and grading, storm sewer and intake construction, engineering fabric and rock revetment, roadway paving, sidewalk and recreational trail construction, topsoil furnish and spread, slope stabilization, erosion control, seeding and sodding, traffic control, pavement markings, and mobilization; all work in accordance with the contract documents including Plan File Nos. 566-01/62, on E. Payton Avenue over a stream located just east of S.E. 31st Street in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$590,583.00. 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.

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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 February 9, 2015, 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 January 21, 2015, 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.

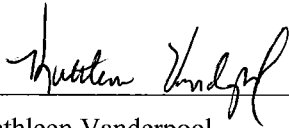
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

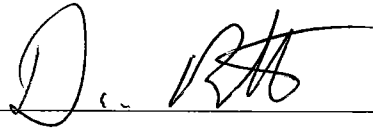
(City Council Communication Number 15-009 attached.)

Moved by _____ to adopt.

FORM APPROVED:


FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Daniel E. Ritter
Interim Des Moines Finance Director

 Funding Source: 2014-2015, Page Bridge - 7, East Payton Avenue over Stream, BR044, Being: \$472,466.40 in Federal Highway Bridge Program funds (\$1,000,000 maximum) being 80% of eligible construction costs under BROS-1945(811)--8J-77, with the remaining \$118,116.60 from BR044, Gaming Monies

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

MOTION CARRIED APPROVED

Mayor

City Clerk



**ENGINEER'S OPINION OF PROBABLE COSTS
EAST PAYTON AVENUE BRIDGE REPLACEMENT
CITY OF DES MOINES, IOWA
ACTIVITY ID: 12-2011-003
PLAN FILE NO.: 566-001 to 566-062**



DATE: November 4, 2014

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
ROADWAY ITEMS						
1	2101-0850001	CLEARING AND GRUBBING	ACRE	1	\$7,500.00	\$7,500.00
2	2102-2625000	EMBANKMENT IN PLACE	CY	3386	\$13.00	\$44,018.00
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	212	\$10.00	\$2,120.00
4	2102-2712070	EXCAVATION, CLASS 12, BOULDER/ROCK FRAGMENTS	CY	15	\$100.00	\$1,500.00
5	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	96	\$20.00	\$1,920.00
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	664	\$8.00	\$5,312.00
7	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	6.25	\$400.00	\$2,500.00
8	2115-0100000	MODIFIED SUBBASE	CY	356	\$50.00	\$17,800.00
9	2123-7450020	SHOULDER FINISHING, EARTH	STA	9.19	\$275.00	\$2,527.25
10	2301-1033080	STANDARD/SLIP-FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 8 IN.	SY	1745	\$50.00	\$87,250.00
11	2417-0225018	APRONS, METAL, 18 IN. DIA.	EA	2	\$250.00	\$500.00
12	2417-1040018	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 18 IN. DIA.	LF	50	\$30.00	\$1,500.00
13	2418-0000010	TEMPORARY STREAM DIVERSION	EA	1	\$15,000.00	\$15,000.00
14	2435-0250100	INTAKE, SW-501	EA	1	\$3,000.00	\$3,000.00
15	2435-0250500	INTAKE, SW-505	EA	1	\$6,000.00	\$6,000.00
16	2435-0250700	INTAKE, SW-507	EA	1	\$3,000.00	\$3,000.00
17	2435-0250900	INTAKE, SW-509	EA	1	\$6,000.00	\$6,000.00
18	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EA	1	\$2,000.00	\$2,000.00
19	2502-8221006	SUBDRAIN RISER, 6"	EA	4		
20	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN.	LF	718	\$6.00	\$4,308.00
21	2502-8220193	SUBDRAIN OUTLET, RF-19C	EA	8	\$200.00	\$1,600.00
22	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D, 15 IN.	LF	290	\$50.00	\$14,500.00
23	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D, 18 IN.	LF	137	\$60.00	\$8,220.00
24	2507-3250005	ENGINEERING FABRIC	SY	310	\$5.00	\$1,550.00
25	2507-6800061	REVTMENT, CLASS E	TON	302	\$45.00	\$13,590.00
26	2507-6875002	REVTMENT, REMOVE AND REPLACE	CY	250	\$50.00	\$12,500.00
27	2510-6745850	REMOVAL OF PAVEMENT	SY	1104	\$6.00	\$6,624.00
28	2511-0301600	RECREATIONAL TRAIL, HMA, 6 IN.	SY	153	\$40.00	\$6,120.00
29	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.	SY	168.3	\$45.00	\$7,573.50
30	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	25.8	\$50.00	\$1,290.00
31	2511-7528101	DETECTABLE WARNINGS	SF	60	\$35.00	\$2,100.00
32	2518-6910000	SAFETY CLOSURE	EA	3	\$250.00	\$750.00
33	2519-1001000	FENCE, CHAIN LINK, VINYL COATED, 48 IN. HEIGHT	LF	105	\$50.00	\$5,250.00
34	2519-3300600	FENCE, SAFETY	LF	330	\$6.00	\$1,980.00
35	2519-4200020	REMOVE AND REINSTALL FENCE, CHAIN LINK	LF	80	\$40.00	\$3,200.00
36	2519-4200120	REMOVAL OF FENCE, CHAIN LINK	LF	105	\$20.00	\$2,100.00
37	2524-6765110	REMOVAL OF TYPE A SIGN	EACH	17	\$50.00	\$850.00
38	2524-9276010	PERFORATED SQUARE STEEL TUBE POST	LF	96	\$20.00	\$1,920.00
39	2524-9276021	PSSTP ANCHOR, BRK-AWAY SOIL INSTALLATION	EA	9	\$115.00	\$1,035.00
40	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	61	\$25.00	\$1,525.00
41	2527-9263109	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	17.09	\$50.00	\$854.50
42	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EA	4	\$150.00	\$600.00
43	2528-8445110	TRAFFIC CONTROL	LS	1	\$5,000.00	\$5,000.00
44	2533-4980005	MOBILIZATION	LS	1	\$50,000.00	\$50,000.00
45	2554-0212020	VALVE BOX EXTENSION	EA	2	\$225.00	\$450.00
46	2554-0214000	FIRE-HYDRANT ADJUSTMENT	EA	1	\$4,000.00	\$4,000.00



**ENGINEER'S OPINION OF PROBABLE COSTS
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ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
47	2601-2634105	MULCH, WOOD CELLULOSE FIBER	ACRE	3.6	\$1,500.00	\$5,400.00
48	2601-2636015	NATIVE GRASS SEEDING	ACRE	1.5	\$8,000.00	\$12,000.00
49	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	0.3	\$7,500.00	\$2,250.00
50	2601-2639010	SOD	SQ	50	\$100.00	\$5,000.00
51	2601-2642120	STABILIZE CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	1.8	\$2,500.00	\$4,500.00
52	2601-2643110	WATER-SOD/SPEC DITCH CONTROL/SLOPE PROTECTION	MGAL	50	\$60.00	\$3,000.00
53	2602-0000020	SILT FENCE	LF	1910	\$2.00	\$3,820.00
54	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	1910	\$0.50	\$955.00
55	2602-0000101	MAINT OF SILT FENCE/SILT FENCE-DITCH CHECK	LF	190	\$2.00	\$380.00
56	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	LF	1750	\$3.00	\$5,250.00
57	2602-0000350	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN.	LF	1750	\$1.00	\$1,750.00
58	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EA	5	\$500.00	\$2,500.00
59	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EA	1	\$1,000.00	\$1,000.00
CULVERT ITEMS - 12' x 8' x 87' REINFORCED CONCRETE BOX CULVERT						
1	2104-0425071	SPECIAL BACKFILL	CY	208	\$25.00	\$ 5,200.00
2	2401-6745625	REMOVAL OF EXISTING BRIDGE	LS	1	\$10,000.00	\$ 10,000.00
3	2402-0425040	FLOODED BACKFILL	CY	620	\$40.00	\$ 24,800.00
4	2402-2720000	EXCAVATION, CLASS 20	CY	645	\$20.00	\$ 12,900.00
5	2403-0100020	STRUCTURAL CONCRETE (RCB)	CY	177.4	\$450.00	\$ 79,830.00
6	2404-7775000	REINFORCING STEEL	LB	33475	\$1.00	\$ 33,475.00
7	2507-3250005	ENGINEERING FABRIC	SY	370	\$3.00	\$ 1,110.00
8	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	LF	130.5	\$50.00	\$ 6,525.00
Total						\$590,583.00

POTENTIAL CONTRACTOR INCENTIVES (Based on Iowa DOT Standard Specifications)	\$ -
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TOTAL ESTIMATED CONSTRUCTION COSTS	\$590,583.00
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