



Roll Call Number

Agenda Item Number

7A

DATE May 10, 2010

ORDERING CONSTRUCTION OF
EASTON BOULEVARD BRIDGE OVER FOUR MILE CREEK
AND FIXING A DATE FOR RECEIVING OF BIDS ON MAY 18, 2010
AND PUBLIC HEARING ON JUNE 14, 2010
ENGINEER'S ESTIMATE IS \$1,510,784.25

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 City Engineer, as the Jurisdictional Engineer, submitting plans, specifications, form of contract documents, and Jurisdictional Engineer's estimate of cost for the construction of the following improvement:

Easton Boulevard Bridge over Four Mile Creek, 12-2007-004
BRM-1945(729)--8N-77



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The improvement includes the following:

- Division 1: Excavation Class 10 Channel, Removal of Existing Bridge, Excavation Class 20 and 21, Structural Concrete (Bridge), Colored Sealer Coating for Structural Concrete, Reinforcing Steel, Epoxy Coated Reinforcing Steel, Concrete Open Railing, Steel Pipe Pedestrian Railing, Structural Steel Pedestrian Railing, Piles Steel, Engineering Fabric, Revetment Class E, Electrical Circuits, Mobilization, Light Fixture;
- Division II: Clearing and Grubbing, Excavation Class 10 Roadway and Borrow, Top Soil Strip and Spread, Compaction with Moisture and Density Control, Bridge Approach Pavement, Standard or Slip Form 9" PCC Pavement Class C, Removal of Existing Structures, Aprons Concrete 30" and 48", Remove and Reinstall Concrete Pipe Aprons, Manhole Storm Sewer, Storm Sewer (Class II) 30" and 3000 (Class IV) 48", Removal of Storm Sewer Pipe, Removal of Steel Guard Rail, Erosion Stone, Removal of Pavement, Removal Intakes and Utility Access, Removal of Recreational Trail, Recreational Trail 6" and 8" PCC, Special Compaction of Subbase, Removal of Sidewalk, Sidewalk PCC 4" and 8", Detectable Warnings for Curb Ramps, Concrete Barrier Rail, Safety Closure, Fence Chain Link 48", Construction Survey, Painted Pavement Markings, Traffic Control, Fencing, Mulching, Seeding and Sodding, Silt Fence.

All work shall be in accordance with the contract documents, including Plan File Nos. 519-001/047 for Easton Boulevard Bridge over Four Mile Creek in Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$1,510,784.25. The proposed plans, specifications, and form of contract documents are available for public inspection in the 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 Jurisdictional 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 Jurisdictional 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 June 14, 2010, 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 May 18, 2010, 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.

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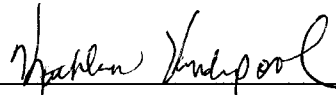
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 10-255 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE





Kathleen Vanderpool
 Deputy City Attorney

Allen McKinley
 Des Moines Finance Director

Funding Source: 2010-2011 CIP, Page Bridge-9, Easton Boulevard over Four Mile Creek, BRV042, Being: Federal Highway Bridge Program funds for 80% of construction costs with \$1,000,000 maximum with \$260,784.25 in gaming monies from the Agreement with Polk County and The Racing Association of Central Iowa under BRV042, and a transfer of \$250,000 of gaming monies from City-wide Bridges, Page Bridge-5, BRV003.



COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GRIESS				
HENSLEY				
MAHAFFEY				
MEYER				
MOORE				
TOTAL				

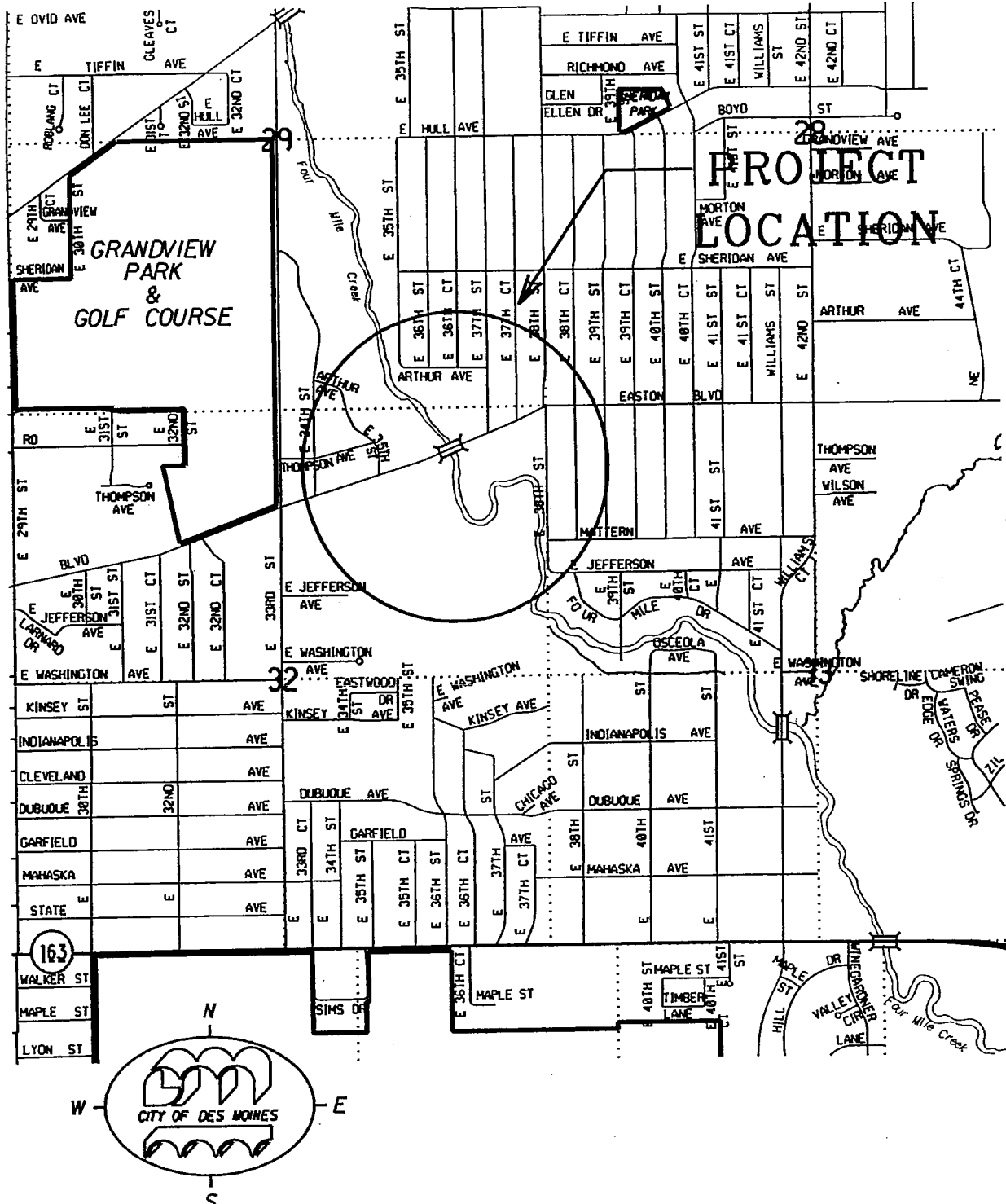
MOTION CARRIED APPROVED

 Mayor

I, Diane Rauh, City Clerk of said City Council, hereby certify that at a meeting of the City Council, 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



**EASTON BOULEVARD BRIDGE
OVER FOUR MILE CREEK
ACTIVITY ID 12-2007-004**

\$File-date\$

7A

OPINION OF PROBABLE CONSTRUCTION COSTS

POLK COUNTY - City of Des Moines
PROJECT NO. BRM-1945(729)-8N-77
ACTIVITY I.D. 12-2007-004
CB&A NO. 2007218

BRIDGE AND APPROACHES
160'-0" x 42'-0" CONTINUOUS CONCRETE
SLAB BRIDGE WITH 12' & 4' SIDEWALKS

REF. NO.	CODE NO.	ITEM	UNIT	PRICE	QUANTITY	SUB TOTAL
DIVISION I						
1	2104-2710020	EXCAVATION, CLASS 10, CHANNEL	CY	\$3.50	1,300	\$4,550.00
2	2401-6745625	REMOVAL OF EXISTING BRIDGE	LS	\$35,000.00	1	\$35,000.00
3	2402-2720000	EXCAVATION, CLASS 20	CY	\$35.00	194	\$6,790.00
4	2402-2721000	EXCAVATION, CLASS 21	CY	\$150.00	80	\$12,000.00
5	2403-0100010	STRUCTURAL CONCRETE (BRIDGE)	CY	\$475.00	929.2	\$441,370.00
6	2403-7302000	COLORLED SEALER COATING FOR STRUCTURAL CONCRETE	SY	\$50.00	758.0	\$37,900.00
7	2404-7775000	REINFORCING STEEL	LB	\$0.80	19,908	\$15,926.40
8	2404-7775005	REINFORCING STEEL, EPOXY COATED	LB	\$0.85	165,704	\$140,848.40
9	2414-6424120	CONCRETE OPEN RAILING	LF	\$75.00	342.00	\$25,650.00
10	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAILING (1'-8 HEIGHT)	LF	\$75.00	321.17	\$24,087.75
11	2414-6445100	STRUCTURAL STEEL PEDESTRIAN HAND RAILING	LF	\$150.00	341.34	\$51,201.00
12	2501-0201042	PILES, STEEL, HP 10 X 42	LF	\$35.00	1,125	\$39,375.00
13	2501-0201473	PILES, STEEL, HP 14 X 73	LF	\$40.00	1,800	\$72,000.00
14	2501-6335010	PREBORED HOLES	LF	\$45.00	180	\$8,100.00
15	2507-3250005	ENGINEERING FABRIC	SY	\$4.00	1,350	\$5,400.00
16	2507-6800061	REVTMENT, CLASS E	TON	\$45.00	850	\$38,250.00
17	2523-0000200	ELECTRICAL CIRCUITS	LF	\$15.00	1,261	\$18,915.00
18	2533-4980005	MOBILIZATION	LS	\$130,000.00	1	\$130,000.00
19	2599-9999005	LIGHT FIXTURE	EACH	\$500.00	2	\$1,000.00
						BRIDGE
						\$1,108,363.55
DIVISION II						
20	2101-0850001	CLEARING AND GRUBBING	ACRE	\$5,000.00	0.84	\$4,200.00
21	2101-0850002	CLEARING AND GRUBBING	UNIT	\$20.00	107.60	\$2,152.00
22	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	\$8.00	3,896	\$31,168.00
23	2105-6425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	\$20.00	220	\$4,400.00
24	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	\$4.00	565	\$2,260.00
25	2301-0685550	BRIDGE APPROACH PAVEMENT, AS PER PLAN	SY	\$150.00	589.5	\$88,425.00
26	2301-1032090	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 2 DURABLE	SY	\$50.00	1,357.0	\$67,850.00
27	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS	\$3,500.00	1	\$3,500.00
28	2416-0100030	APRONS, CONCRETE, 30 IN. DIA.	EACH	\$1,000.00	1	\$1,000.00
29	2416-0100048	APRONS, CONCRETE, 48 IN. DIA.	EACH	\$2,000.00	- 1	\$2,000.00
30	2416-0101136	REMOVE AND REINSTALL CONCRETE PIPE APRONS GREATER THAN 36 IN.	EACH	\$1,500.00	1	\$1,500.00
31	2435-0140184	MANHOLE, STORM SEWER, SW 401, 84 IN.	EACH	\$10,000.00	1	\$10,000.00
32	2435-0250800	INTAKE, SW-508	EACH	\$4,000.00	2	\$8,000.00
33	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS	LF	\$80.00	115	\$9,200.00
34	2503-0114424	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 3000D (CLASS	LF	\$60.00	49	\$2,940.00
35	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	\$25.00	101	\$2,525.00
36	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	\$20.00	87.5	\$1,750.00
37	2507-8029000	EROSION STONE	TON	\$50.00	40	\$2,000.00
38	2510-6745850	REMOVAL OF PAVEMENT	SY	\$6.00	1,822.2	\$10,933.20
39	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	\$500.00	2	\$1,000.00
40	2511-0300000	REMOVAL OF RECREATIONAL TRAIL	SY	\$7.50	720.6	\$5,404.50
41	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 8 IN.	SY	\$45.00	728.8	\$32,796.00
42	2511-0302800	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 8 IN.	SY	\$50.00	53.2	\$2,660.00
43	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	\$300.00	6.5	\$1,950.00
44	2511-6745900	REMOVAL OF SIDEWALK	SY	\$7.50	397.0	\$2,977.50
45	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	\$40.00	214.1	\$8,564.00
46	2511-7526008	SIDEWALK, P.C. CONCRETE, 8 IN.	SY	\$45.00	8.3	\$373.50
47	2511-7528100	DETECTABLE WARNINGS FOR CURB RAMPS	SF	\$35.00	82.0	\$2,870.00
48	2513-0001080	CONCRETE BARRIER RAIL, BA-108	EACH	\$3,500.00	4	\$14,000.00
49	2518-6910000	SAFETY CLOSURE	EACH	\$400.00	4	\$1,600.00
50	2519-1002048	FENCE, CHAIN LINK, 48 IN. HEIGHT	LF	\$15.00	250	\$3,750.00
51	2526-8285000	CONSTRUCTION SURVEY	LS	\$10,000.00	1	\$10,000.00
52	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	\$150.00	18.58	\$2,787.00
53	2528-8445110	TRAFFIC CONTROL	LS	\$20,000.00	1	\$20,000.00
54	2599-9999009	REMOVAL OF FENCE	LF	\$5.00	372	\$1,860.00
55	2599-9999009	PROTECTION FENCE	LF	\$3.00	3,445	\$10,335.00
56	2599-9999010	TREE PROTECTION	LS	\$10,000.00	1	\$10,000.00
57	2601-2634100	MULCHING	ACRE	\$700.00	1.45	\$1,015.00
58	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	\$4,000.00	1.45	\$5,800.00
59	2601-2639010	SODDING	SQ	\$50.00	35.5	\$1,775.00
60	2602-0000020	SILT FENCE	LF	\$3.00	1,275	\$3,825.00
61	2602-0000090	CLEAN-OUT OF SILT FENCE	LF	\$1.00	1,275	\$1,275.00
						GRADING
						\$402,420.70
						TOTAL
						\$1,510,784.25

ENGINEER'S OPINIONS OF PROBABLE CONSTRUCTION COST ARE MADE ON THE BASIS OF ENGINEER'S EXPERIENCE AND QUALIFICATIONS AND REPRESENT ENGINEER'S BEST JUDGMENT AS AN EXPERIENCED AND QUALIFIED PROFESSIONAL GENERALLY FAMILIAR WITH THE CONSTRUCTION INDUSTRY. HOWEVER, SINCE ENGINEER HAS NO CONTROL OVER THE COST OF LABOR, MATERIALS, EQUIPMENT, OR SERVICES FURNISHED BY OTHERS, OR OVER CONTRACTORS' METHODS OF DETERMINING PRICES, OR OVER COMPETITIVE BIDDING OR MARKET CONDITIONS, ENGINEER CANNOT AND DOES NOT GUARANTEE THAT PROPOSALS, BIDS, OR ACTUAL CONSTRUCTION COST WILL NOT VARY FROM OPINIONS OF PROBABLE CONSTRUCTION COST PREPARED BY ENGINEER.