



6 D

DATE March 12, 2012

ORDERING CONSTRUCTION OF
6TH AVENUE OVER DES MOINES RIVER BRIDGE REHABILITATION
AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 20, 2012
AND PUBLIC HEARING ON APRIL 9, 2012
ENGINEER'S ESTIMATE IS \$2,378,432.00

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 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:

6th Avenue over Des Moines River Bridge Rehabilitation, 12-2011-002
STP-U-1945(787)--70-77

The improvement includes rehabilitation of the existing bridge superstructure and substructure that includes concrete removal and repair, bridge deck repair, concrete repair for deck underside, remove and replace bridge sidewalks, retrofit concrete barrier rail and approach barrier rail, ornamental metal rail and steel pipe handrail, bridge deck overlay, steel extrusion joint and neoprene gland installation, longitudinal grooving, structural steel repair, blast cleaning of structural steel, containment, painting of structural steel, approach PCC patches and repair, removal and replacement of concrete curbs and sidewalks, removal and replacement of storm sewer intakes, remove and replace storm sewer pipe, excavation, topsoil furnish and spread, slope stabilization, erosion control, seeding, traffic control, temporary barrier rail, pavement markings, construction survey, and mobilization; all in accordance with the contract documents including Plan File Nos. 541-89/142, on 6th Avenue over Des Moines River located between Arlington Avenue and Holcomb Avenue, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$2,378,432.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.



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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 April 9, 2012, 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 20, 2012, 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.

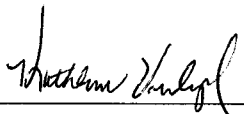
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

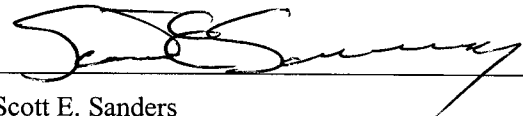
(City Council Communication Number 12-117 attached.)

Moved by _____ to adopt.

FORM APPROVED:

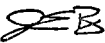
FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Scott E. Sanders
Des Moines Finance Director



Funding Source: 2012-2013, Page Bridge-17, Structural Repair - Corrosion Protection, BRV039, Being: \$280,000 in Federal Surface Transportation Program (STP) funds being 80% eligible construction costs only (Max \$280,000), with the remaining \$2,098,432 in Gaming Monies



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

Mayor

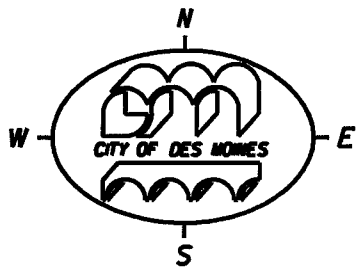
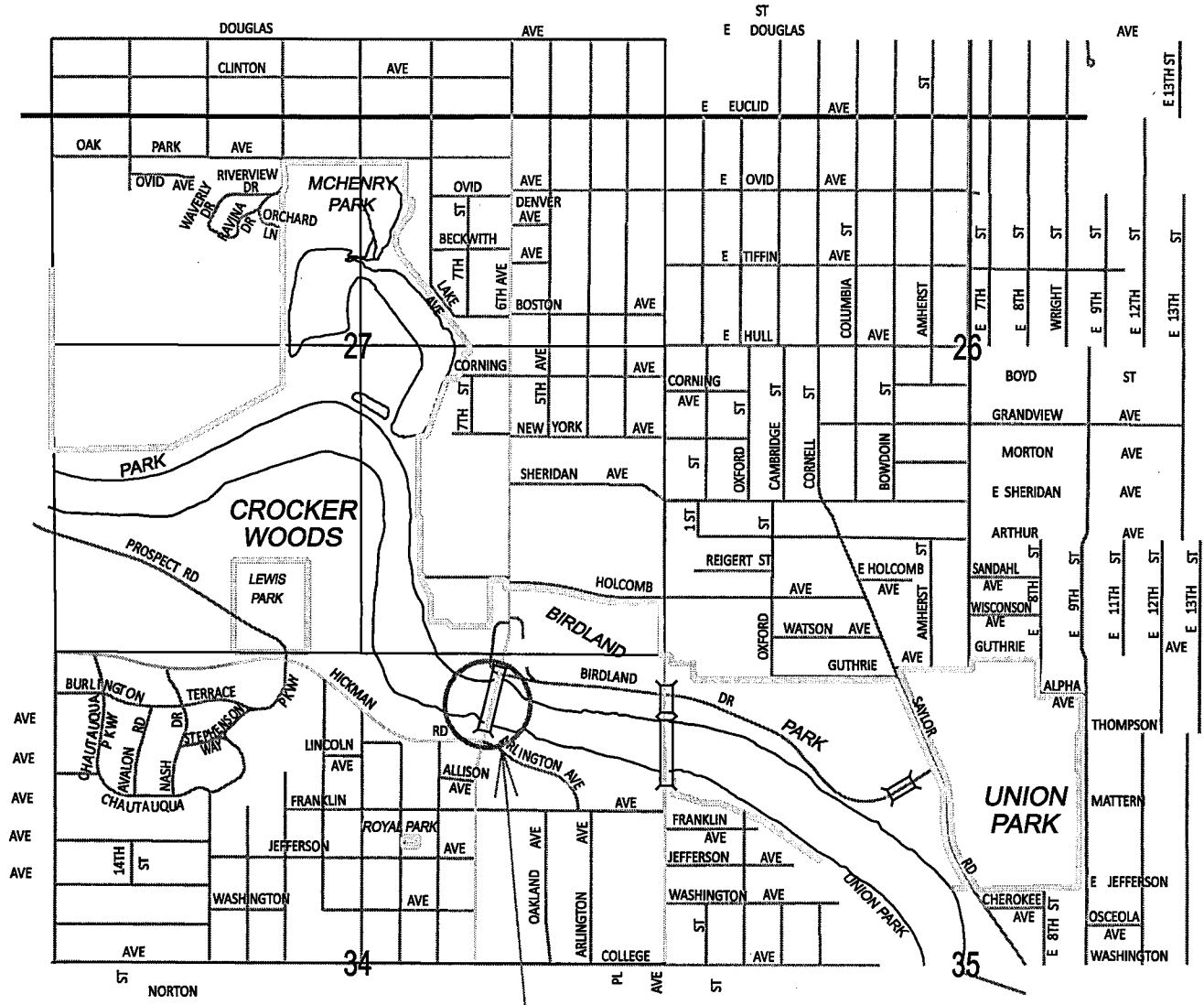
CERTIFICATE

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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PROJECT
LOCATION

**6th AVENUE OVER DES MOINES RIVER
BRIDGE REHABILITATION
ACTIVITY I.D. 12-2011-002**

6D

Engineer's Opinion of Probable Construction Cost - 6th Ave Bridge Rehabilitation over Des Moines River
 Project Number STP-U-1945(787)--70-77
 City Activity ID 12-2011-002
 2/21/2012

BRIDGE ITEMS						
Item No.	Item Code	Item	Unit	Quantity	Unit Cost	Item Cost
1	2401-8750001	Removals, As Per Plan	LS	1	\$ 250,000.00	\$ 250,000
2	2403-0100010	Structural Concrete (Bridge)	CY	328.2	\$ 565.00	\$ 185,433
3	2404-7775005	Reinforcing Steel (Epoxy Coated)	LB	63361	\$ 1.00	\$ 63,361
4	2408-7800000	Structural Steel	LB	75	\$ 10.00	\$ 750
5	2412-000010	Longitudinal Grooving in Concrete	SY	2854	\$ 3.25	\$ 9,276
6	2413-0698074	Deck Repair, Cl A	SY	304	\$ 196.00	\$ 59,584
7	2413-0698075	Bridge Deck Repair, Cl B	SY	331.3	\$ 200.00	\$ 66,260
8	2413-1200000	Steel Extrusion Joint with Neoprene	LF	28.4	\$ 400.00	\$ 11,360
9	2413-1200100	Neoprene Gland Installation and Testing	LF	130.42	\$ 75.00	\$ 9,782
10	2414-8431100	Retrofit Concrete Barrier Rail	LF	1180	\$ 118.00	\$ 139,240
11	2414-8444100	Steel Pipe Pedestrian Handrail	LF	1176.8	\$ 52.00	\$ 61,194
12	2414-8460000	Ornamental Metal Rail	LF	1095	\$ 75.00	\$ 82,125
13	2426-6772016	Concrete Repair	SF	148	\$ 150.00	\$ 22,200
14	2508-0805000	Blast Cleaning of Structural Steel	LS	1	\$ 250,000.00	\$ 250,000
15	2508-0970000	Containment	LS	1	\$ 100,000.00	\$ 100,000
16	2508-0991000	Painting of Structural Steel	LS	1	\$ 400,000.00	\$ 400,000
17	2526-8285000	Construction Survey	LS	1	\$ 10,000.00	\$ 10,000
18	2533-4980005	Mobilization	LS	1	\$ 176,180.00	\$ 176,180
19	2599-9999005	Structural Steel Bolt Installation	EA	4	\$ 500.00	\$ 2,000
20	2599-9999005	Structural Steel Crack Repair	EA	2	\$ 1,500.00	\$ 3,000
21	2599-9999014	Clean and Seal for Deck Underside Repair (bars remain bonded)	SF	152	\$ 55.00	\$ 8,360
22	2599-9999014	Clean, Cover and Seal for Deck Underside Repair (bars debonded)	SF	79	\$ 110.00	\$ 8,690
23	2599-9999014	Concrete Waterproofing	SF	386	\$ 25.00	\$ 9,650
24	2599-9999018	Class A Deck Repair (Milling)	SY	1192.2	\$ 42.00	\$ 50,072
25A	2413-0699066	Deck Overlay (CL O PCC)	SY	3041.7	\$ 83.00	\$ 252,461
25B	2413-0699067	Deck Overlay (CL HPC-O)				
Bridge Subtotal						\$ 2,230,977

ROADWAY ITEMS						
Item No.	Item Code	Item	Unit	Quantity	Unit Cost	Item Cost
1	2101-0850001	CLEARING AND GRUBBING	ACRE	0.07	\$ 60,000.00	\$ 4,200
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	148	\$ 80.00	\$ 11,840
3	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	72	\$ 50.00	\$ 3,600
4	2115-0100000	MODIFIED SUBBASE	CY	12	\$ 90.00	\$ 1,080
5	2212-5070310	PATCHES, FULL-DEPTH REPAIR	SY	36.1	\$ 150.00	\$ 5,415
6	2212-5070321	PATCHES, PARTIAL-DEPTH REPAIR, P.C.C.	SF	11.0	\$ 75.00	\$ 825
7	2212-5070330	PATCH BY COUNT (REPAIR)	EACH	3	\$ 500.00	\$ 1,500
8	2301-0685550	BRIDGE APPROACH PAVEMENT, AS PER PLAN	SY	18.1	\$ 175.00	\$ 3,168
9	2303-0043500	HOT MIX ASPHALT MIXTURE (3,000,000 ESAL), SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	6.8	\$ 400.00	\$ 2,720
10	2303-0248422	ASPHALT BINDER, PG 64-22	TON	0.4	\$ 600.00	\$ 240
11	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	1	\$ 1,500.00	\$ 1,500
12	2435-0700010	CONNECTION TO EXISTING MANHOLE	EACH	2	\$ 750.00	\$ 1,500
13	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	51	\$ 20.00	\$ 1,020
14	2502-8220193	SUBDRAIN OUTLET (RF-19C)	EACH	2	\$ 250.00	\$ 500
15	2502-8220196	SUBDRAIN OUTLET (RF-19E)	EACH	1	\$ 350.00	\$ 350
16	2503-0112024	STORM SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 24 IN.	LF	70	\$ 120.00	\$ 8,400
17	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	65	\$ 18.00	\$ 1,170
18	2510-8745850	REMOVAL OF PAVEMENT	SY	92.9	\$ 20.00	\$ 1,858
19	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	1	\$ 650.00	\$ 650
20	2511-6745900	REMOVAL OF SIDEWALK	SY	87.4	\$ 15.00	\$ 1,311
21	2511-7528005	SIDEWALK, P.C. CONCRETE, 5 IN.	SY	95.0	\$ 40.00	\$ 3,800
22	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	21.7	\$ 46.00	\$ 998
23	2511-7528101	DETECTABLE WARNINGS	SF	48.0	\$ 35.00	\$ 1,680
24	2512-1725156	CURB AND GUTTER, P.C. CONCRETE, 1.5 FT.	LF	69	\$ 45.00	\$ 3,105
25	2513-0471000	CONCRETE BARRIER, APPROACH, AS PER PLAN	EACH	4	\$ 4,500.00	\$ 18,000
26	2518-6910000	SAFETY CLOSURE	EACH	4	\$ 250.00	\$ 1,000
27	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	28.3	\$ 80.00	\$ 2,104
28	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	2	\$ 250.00	\$ 500
29	2527-9263180	PAVEMENT MARKINGS REMOVED	STA	4.7	\$ 150.00	\$ 705
30	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	1,500	\$ 15.00	\$ 22,500
31	2528-8445110	TRAFFIC CONTROL	LS	1	\$ 20,000.00	\$ 20,000
32	2599-9999002	OFF DUTY UNIFORMED OFFICER	CDAY	8	\$ 650.00	\$ 5,200
33	2599-9999005	INTAKE, SPECIAL, TRIPLE GRATE	EACH	1	\$ 5,500.00	\$ 5,500
34	2599-9999009	EXPANSION JOINT, REMOVAL AND REPLACEMENT	LF	50	\$ 35.00	\$ 1,750
35	2601-2634150	MULCHING, WOOD CELLULOSE FIBER	ACRE	0.09	\$ 8,000.00	\$ 720
36	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	0.09	\$ 20,000.00	\$ 1,800
37	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	24	\$ 35.00	\$ 840
38	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	1.0	\$ 800.00	\$ 800
39	2602-0000020	SILT FENCE	LF	356	\$ 4.00	\$ 1,424
40	2602-0000060	REMOVAL OF SILT FENCE	LF	356	\$ 1.50	\$ 534
41	2602-0000090	CLEAN OUT OF SILT FENCE	LF	147	\$ 1.00	\$ 147
42	2602-0010010	MOBILIZATIONS, EROSION CONTROL	LS	1	\$ 500.00	\$ 500
43	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	LS	1	\$ 1,000.00	\$ 1,000
Roadway Subtotal						\$ 147,455

TOTAL PROJECT COST \$ 2,378,432