



DATE March 12, 2012

ORDERING CONSTRUCTION OF  
GRAND AVENUE BRIDGE OVER WALNUT CREEK  
AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 20, 2012  
AND PUBLIC HEARING ON APRIL 9, 2012  
ENGINEER'S ESTIMATE IS \$3,189,754.65

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:

Grand Avenue Bridge over Walnut Creek, 12-2008-001  
BRM-1945(738)--8N-77

The improvement includes removal of the existing bridge and substructure, construction of a new continuous concrete slab bridge, bridge ornamental railing and pipe handrail, colored concrete sealer, aesthetic concrete barrier rail, excavation and grading, temporary shoring, revetment, bridge approach pavement removal and replacement, PCC pavement, sidewalk removal and replacement, trail removal and replacement, segmental block retaining wall, fencing, removal and replacement of storm sewer, water main construction and services, temporary traffic signal, temporary barrier rail, traffic control, traffic signalization, pavement markings, erosion control, sodding, construction survey, and mobilization; all in accordance with the contract documents including Plan File Nos. 541-1/75, on Grand Avenue over Walnut Creek located just east of 63rd Street/Highway 28, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$3,189,754.65. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines City Engineer's Office.



**Roll Call Number**

**Agenda Item Number**

6A

DATE March 12, 2012

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.

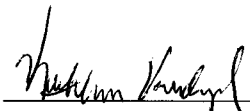
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

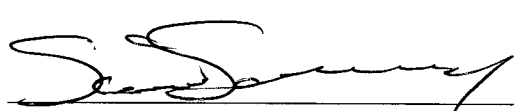
(City Council Communication Number 12-116 attached.)

Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:

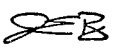
FUNDS AVAILABLE

  
\_\_\_\_\_

  
\_\_\_\_\_

Kathleen Vanderpool  
Deputy City Attorney

Scott E. Sanders  
Des Moines Finance Director

 Funding Source: 2012-2013 CIP, Page Bridge-11, Grand Avenue over Walnut Creek, BRV045, Being: Federal Highway Bridge Program funds for 80% of construction costs with a \$1,000,000 maximum, \$1,989,754.65 from BRV045, and the remaining 200,000 in Gaming funds



**Roll Call Number**

**Agenda Item Number**

6A

DATE March 12, 2012

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

\_\_\_\_\_  
Mayor

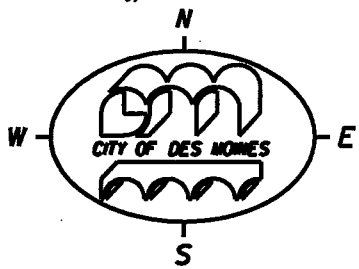
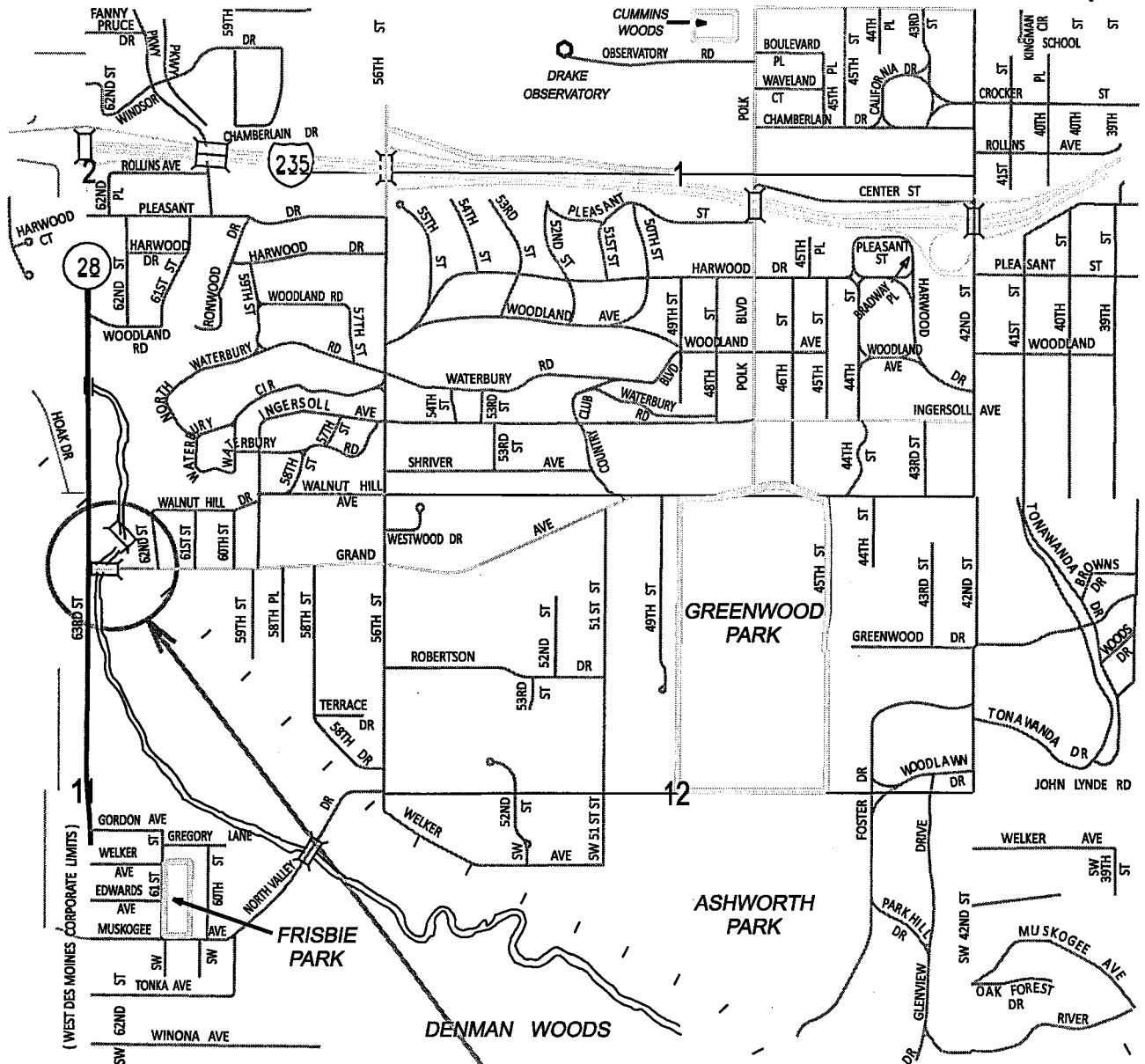
**CERTIFICATE**

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

6A



PROJECT  
LOCATION

**GRAND AVENUE OVER  
WALNUT CREEK  
BRIDGE REPLACEMENT  
ACTIVITY ID 12-2008-001**

6A

Engineer's Opinion of Probable Construction Costs  
 Grand Avenue Bridge Over Walnut Creek  
 Project No. BRM-1945(738)-8N-77  
 Bid Date: March 20, 2012  
 City of Des Moines Activity ID 12-2008-001



Roadway/Trail Items						
Item No.	Item Code	Item	Total	Unit	Unit Price	Total Price
1	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW	987	CY	10.00	9,870.00
2	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD	473	CY	13.00	6,149.00
3	2115-0100000	MODIFIED SUBBASE	37	CY	38.00	1,406.00
4	2213-6745500	RMVL OF CURB	2.3	STA	750.00	1,725.00
5	2301-0690260	BRIDGE APPROACH, RK-26	791	SY	140.00	110,740.00
6	2301-1033090	STD/S-F PCC PAVT, CL C CL 3, 9"	96	SY	45.00	4,320.00
7	2304-0101000	TEMPORARY PAVT	82	SY	40.00	3,280.00
8	2310-5151040	PCC OVERLAY, FURN ONLY	20	CY	300.00	6,000.00
9	2310-5151051	PCC OVERLAY, PLACE ONLY (BONDED)	175	SY	35.00	6,125.00
10	2310-8255550	SURF PREPARATION	175	SY	45.00	7,875.00
11	2401-6745660	REMOVAL OF EXISTING STRUCTURES	1	LS	5,000.00	5,000.00
12	2416-0102044	APRON, CONC ARCH, 44"X27"	1	EACH	2,000.00	2,000.00
13	2431-0000100	SEGMENTAL BLOCK RETAIN WALL	2,592	SF	28.00	72,576.00
14	2435-0140400	MANHOLE, STORM SWR, SW-404	1	EACH	5,000.00	5,000.00
15	2435-0250104	INTAKE, SW-501, TOP ONLY	1	EACH	1,500.00	1,500.00
16	2435-0600010	MANHOLE ADJUSTMENT, MINOR	1	EACH	650.00	650.00
17	2502-8212036	SUBDRAIN, LONGITUDINAL, (SHLD) 6"	310	LF	16.00	4,960.00
18	2502-8220193	SUBDRAIN OUTLET (RF-19C)	3	EACH	250.00	750.00
19	2503-0116444	STRM SWR G-M, TRENCHED, RCAP 3000D, 44X27"	42	LF	175.00	7,350.00
20	2503-0200036	RMV STORM SWR PIPE LE 36"	52	LF	15.00	780.00
21	2510-6745850	RMVL OF PAVT	1,111	SY	5.00	5,555.00
22	2510-6750600	RMVL OF INTAKE+UTILITY ACCESS	1	EACH	500.00	500.00
23	2511-0300000	RMVL OF RECREATIONAL TRAIL	553	SY	8.00	4,424.00
24	2511-0302500	RECREATIONAL TRAIL, PCC, 5"	620	SY	25.00	15,500.00
25	2511-0310100	SPECIAL COMPACTION OF SUBGRADE/REC TRAIL	4.7	STA	250.00	1,175.00
26	2511-6745900	RMVL OF SIDEWALK	272	SY	6.00	1,632.00
27	2511-7526004	SIDEWALK, PCC, 4"	244	SY	22.00	5,368.00
28	2511-7526008	SIDEWALK, PCC, 6"	78	SY	25.00	1,950.00
29	2511-7528101	DETECTABLE WARNING	50	SF	30.00	1,500.00
30	2515-2475008	DRIVEWAY, PCC, 8"	371	SY	35.00	12,985.00
31	2515-6745600	RMVL OF PAVED DRIVEWAY	384	SY	8.00	3,072.00
32	2518-6910000	SAFETY CLOSURE	2	EACH	125.00	250.00
33	2519-1002048	FENCE, CHAIN LINK, 48" HEIGHT	355	LF	30.00	10,650.00
34	2519-3300800	FENCE, SAFETY	770	LF	5.00	3,850.00
35	2519-4200190	RMVL OF FENCE, STEEL TUBE RAILING	305	LF	5.00	1,525.00
36	2524-6765010	RMV+REINSTALL SIGN	3	EACH	275.00	825.00
37	2525-0000100	TRAFFIC SIGNALIZATION	1	LS	20,100.00	20,100.00
38	2527-9263109	PAINTED PAVT MARK, WATERBORNE/SOLVENT	55.6	STA	25.00	1,390.00
39	2527-9263131	WET RETROREFLECTIVE REMOVABLE TAPE MARK	1.4	STA	200.00	280.00
40	2527-9263137	PAINTED SYMBOL+LEGEND, WATERBORNE/SOLVNT	4	EACH	100.00	400.00
41	2527-9263180	PAV'T MARK RMVD	17.90	STA	15.00	268.50
42	2527-9263190	SYMBOL+LEGEND RMVD	9	EACH	75.00	675.00
43	2528-8400048	TEMP BARRIER RAIL, CONC	263	LF	10.00	2,630.00
44	2528-8400256	TEMP TRAFFIC SIGNAL	1	EACH	10,000.00	10,000.00
45	2528-8445110	TRAFFIC CONTROL	1	LS	25,000.00	25,000.00
46	2528-9280004	CHANGEABLE MESSAGE SIGN, PORTABLE	56	CDAY	45.00	2,520.00
47	2554-0112008	WATER MAIN, TRENCHED, DIP, 8"	181	LF	50.00	9,050.00
48	2554-0203000	FITTINGS BY WEIGHT, DI	180	LB	10.00	1,800.00
49	2554-0207008	VALVE, GATE, DIP, 8"	1	EACH	1,500.00	1,500.00
50	2654-0210201	FIRE HYDRANT ASSEMBLY, WM-201	1	EACH	4,000.00	4,000.00
51	2599-9999002	OFF DUTY UNIFORMED OFFICER	109	CDAY	200.00	21,800.00
52	2599-9999005	CONCRETE WASHOUT	1	EACH	750.00	750.00
53	2599-9999005	SUBDRAIN CLEANOUT, TYPE A-1	1	EACH	500.00	500.00
54	2599-9999005	WATER SERVICE, 1"	1	EACH	4,500.00	4,500.00
55	2599-9999005	WATER SERVICE, 4"	1	EACH	2,000.00	2,000.00
56	2599-9999009	STEEL TUBE RAILING	386	LF	35.00	13,510.00
57	2599-9999009	IRRIGATION LINE REPLACEMENT	120	LF	20.00	2,400.00
58	2601-2639010	SODDING	145	SQ	40.00	5,800.00
59	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	87	MGAL	60.00	5,220.00
60	2601-2643300	MOBILIZATION FOR WATERING	6	EACH	350.00	2,100.00
61	2602-0000020	SILT FENCE	750	LF	2.00	1,500.00
62	2602-0000060	RMVL OF SILT FENCE	750	LF	0.50	375.00
63	2602-0000090	CLEAN-OUT OF SILT FENCE	750	LF	0.50	375.00
64	2602-0000309	PERIMETER+SLOPE SEDIMENT CNTL DEVICE, 9"	100	LF	4.00	400.00
65	2602-0000350	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	100	LF	1.00	100.00

Roadway/Trail Subtotal = \$ 469,760.50

Bridge Items						
Item No.	Item Code	Item	Total	Unit	Unit Price	Total Price
1	2104-2710020	EXCAVATION, CL 10, CHANNEL	3688	CY	5.00	18,440.00
2	2401-6745625	REMOVAL OF EXISTING BRIDGE	1	LS	90000.00	90,000.00
3	2402-2720000	EXCAVATION, CL 20	1393.2	CY	10.00	13,932.00
4	2402-2721000	EXCAVATION, CL 21	1578.6	CY	125.00	197,325.00
5	2403-0100010	STRUCT CONC (BRIDGE)	2644.8	CY	410.00	1,084,368.00
6	2403-7302000	COLOR SEALER COAT - STRUCT CONC	1633	SY	25.00	40,825.00
7	2404-7775000	REINFORC STEEL	71830	LB	0.80	57,464.00
8	2404-7775005	REINFORC STEEL, EPOXY COATED	375559	LB	0.85	319,225.15
9	2412-0000100	LONGITUDINAL GROOVING IN CONC	1218	SY	3.00	3,654.00
10	2414-6424119	CONC BARRIER RAIL, AESTHETIC	432.9	LF	100.00	43,290.00
11	2414-6444100	STEEL PIPE PEDESTRIAN HAND RAIL	394.7	LF	55.00	21,708.50
12	2414-8460000	ORNAMENTAL METAL RAIL	345.3	LF	95.00	32,803.50
13	2501-0201253	PILE, STEEL, HP 12X53	9080	LF	34.00	308,720.00
14	2501-0201489	PILE, STEEL, HP 14X89	3000	LF	51.00	153,000.00
15	2501-8400170	TEMP SHORING	1	LS	80000.00	80,000.00
16	2507-3250005	ENGINEER FABRIC	1810	SY	2.50	4,525.00
17	2507-6800061	REVTMENT, CLASS E	1517	TON	42.00	63,714.00
18	2507-6875002	REVTMENT, RMV+REPLACE	500	CY	45.00	22,500.00
19	2526-8285000	CONSTRUCTION SURVEY	1	LS	13000.00	13,000.00
20	2533-4980005	MOBILIZATION	1	LS	150000.00	150,000.00
21	2602-0010010	MOBILIZATIONS, EROSION CONTROL	1	EACH	500.00	500.00
22	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	1	EACH	1000.00	1,000.00

Bridge Total = \$ 2,719,994.15

**Project Total:** \$ 3,189,754.65