

DATE August 7, 2006

ORDERING CONSTRUCTION OF
CRAWFORD CREEK WATERSHED IMPROVEMENTS - E. GRAY STREET TO S.E. 9TH STREET
AND FIXING A DATE FOR RECEIVING OF BIDS ON AUGUST 29, 2006
AND PUBLIC HEARING ON SEPTEMBER 11, 2006
ENGINEER'S ESTIMATE IS \$5,027,400.50

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:

Crawford Creek Watershed Improvements - E. Gray Street to S.E. 9th Street, 08-2006-002

The improvement includes construction of approximately 2800 LF of new reinforced concrete box culvert ranging in size from 7'x10' to 5' x 12' between E. Gray Street and S.E. 6th Street and upsizing the culvert under S.E. 9th Street; and also includes relocation of conflicting utilities including sanitary sewer, water main, and storm sewer; reconstruction of street and parking lot pavements, site seeding or sodding, and other incidental items; in accordance with the contract documents, including Plans File Nos. 464-084/140, on Crawford Creek Watershed from -E. Gray Street to S.E. 9th Street, Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$5,027,400.50. 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 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 September 11, 2006, 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 City of Des Moines, at the office of the City Clerk until 11:00 a.m. on August 29, 2006, for the construction of said improvement, and the taking of bids in the manner required by law. Proposals received will be opened at a public meeting presided over by the Jurisdictional Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 11:00 a.m. on August 29, 2006, after which the bids together with a bid tabulation and recommendation of the Jurisdictional Engineer will be presented to the City Council at its next meeting for action thereon.



Roll Call Number

Agenda Item Number

7B

DATE August 7, 2006

BE IT FURTHER RESOLVED: That the City Clerk is further directed to publish a Public Notice of Storm Water Discharge in the Des Moines Register and The Business Record as required by the Iowa Department of Natural Resources.

BE IT FURTHER RESOLVED: That the City Manager be and is hereby authorized and directed to certify the "Notice of Intent for NPDES Coverage under General Permit No. 2 for Storm Water Discharges associated with Industrial Activity for Construction Activities" on behalf of the City of Des Moines and submit said document to the Iowa Department of Natural Resources with appropriate application and permit fees.

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 384, Code of Iowa.

(City Council Communication Number 06-491 attached.)

Moved by _____ to adopt.

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool
Deputy City Attorney

Allen McKinley
Des Moines Finance Director

Funding Source: 2006-2007 CIP, Page Storm-8, Crawford Creek - Watershed Improvements, STE074, Being: Storm Water Revenue Bonds to be issued

★ **Roll Call Number**

Agenda Item Number

7B

DATE August 7, 2006

JB

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BROOKS				
COLEMAN				
HENSLEY				
KIERNAN				
MAHAFFEY				
VLASSIS				
TOTAL				
MOTION CARRIED			APPROVED	

CERTIFICATE

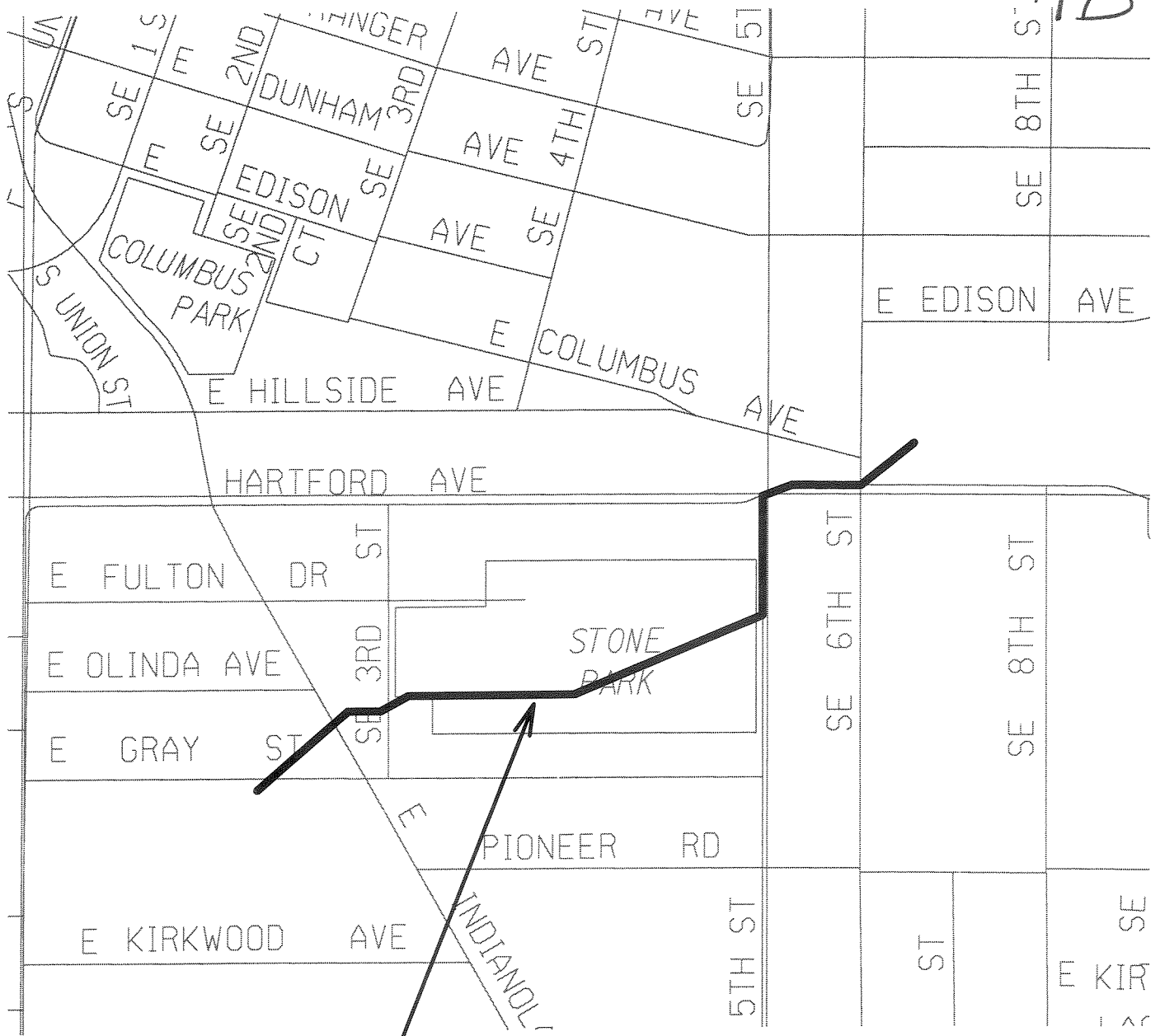
I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

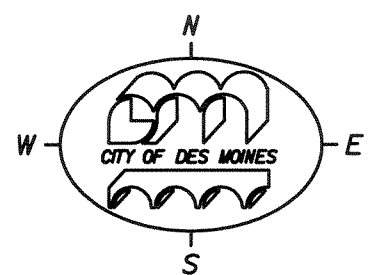
Mayor

City Clerk

TB



**PROJECT
LOCATION**



**CRAWFORD CREEK WATERSHED
IMPROVEMENTS E GRAY STREET
TO SE 9th STREET**

ACTIVITY I.D. 08-2006-002

TB

CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING
CITY OF DES MOINES, IOWA

ACTIVITY ID 08-2006-002
IDOT PROJ NO.: None
DATE: 07/25/06

PROJECT: CRAWFORD CREEK WATERSHED IMPROVE. - E GRAY ST TO SE 9th STREET

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
1	* Mobilization	L.S.	1	\$145,000.00	\$145,000.00
2	* Clearing and Grubbing	Acre	1.03	\$5,000.00	\$5,150.00
3	* Traffic Control	L.S.	1	\$8,000.00	\$8,000.00
4	* Construction Survey	L.S.	1	\$30,000.00	\$30,000.00
5	* Project Sign	Ea.	1	\$750.00	\$750.00
6	Trash Rack	Ea.	1	\$40,000.00	\$40,000.00
7	* Grading	L.S.	1	\$4,000.00	\$4,000.00
8	* Unsuitable Material Excavation & Backfill	C.Y.	50	\$50.00	\$2,500.00
9	* Contractor's Erosion Control Plan	L.S.	1	\$5,000.00	\$5,000.00
10	* Erosion Control	L.F.	1203	\$2.50	\$3,007.50
11	* Seeding	Acre	4.07	\$2,500.00	\$10,175.00
12	* Sodding	SQ.	807	\$40.00	\$32,280.00
13	* Erosion Control Mat	S.Y.	4520	\$1.50	\$6,780.00
14	* Plantings: Red Oak	Ea.	10	\$200.00	\$2,000.00
15	* Plantings: White Pine	Ea.	18	\$225.00	\$4,050.00
16	* Plantings: Sea Green Juniper	Ea.	15	\$75.00	\$1,125.00
17	* Structure Demolition - RCB at Indianola Ave.	L.S.	1	\$15,000.00	\$15,000.00
18	* Structure Demolition - Culvert at S.E. 9th Street	L.S.	1	\$5,000.00	\$5,000.00
19	* Culvert Demolition - RCB at Gray Street	L.S.	1	\$7,000.00	\$7,000.00
20	Abandon Sewer In-place w/ Flowable Mortor	C.Y.	15	\$200.00	\$3,000.00
21	* Gabion Wall Removal	L.S.	1	\$3,000.00	\$3,000.00
22	* Pavement Removal	S.Y.	2881	\$12.00	\$34,572.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
23	* Sidewalk Removal (PCC and HMA)	S.Y.	355	\$10.00	\$3,550.00
24	Engineering Fabric	S.Y.	867	\$2.00	\$1,734.00
25	* Riprap	Ton	1280	\$30.00	\$38,400.00
26	Cabled - Concrete Mat CC45	S.Y.	350	\$110.00	\$38,500.00
27	Cabled - Concrete Mat CC70	S.Y.	190	\$125.00	\$23,750.00
28	Chain Link Fence - 48"	L.F.	420	\$20.00	\$8,400.00
29	Chain Link Fence - 72"	L.F.	60	\$22.00	\$1,320.00
30	Chain Link Gate - 10 ft	Ea.	2	\$500.00	\$1,000.00
31	Wood Fence	L.F.	258	\$15.00	\$3,870.00
32	* Aggregate Surfacing	Ton	675	\$27.00	\$18,225.00
33	HMA w/ Binder Commercial Mix for Parking Lot Paving, 6"	Ton	972	\$30.00	\$29,160.00
34	HMA w/ Binder for Recreational Trail, 4"	S.Y.	337	\$23.00	\$7,751.00
35	HMA Overlay, 2"	Ton	232	\$18.00	\$4,176.00
36	Asphalt Binder	Ton	15	\$250.00	\$3,750.00
37	Modified Sub-base	C.Y.	1330	\$27.00	\$35,910.00
38	Portland Cement Concrete Pavement, 10"	S.Y.	463	\$65.00	\$30,095.00
39	Portland Cement Concrete Pavement, 8"	S.Y.	2850	\$55.00	\$156,750.00
40	Portland Cement Concrete Pavement, 7"	S.Y.	560	\$50.00	\$28,000.00
41	Portland Cement Concrete Pavement, Driveway Approach	S.Y.	448	\$45.00	\$20,160.00
42	Concrete Sidewalk, 4"	S.Y.	674	\$40.00	\$26,960.00
43	Truncated Dome	S.F.	80	\$30.00	\$2,400.00
44	Curb and Gutter	L.F.	1230	\$20.00	\$24,600.00
45	Storm Sewer Manhole Type M-A, 48"	Ea.	6	\$3,000.00	\$18,000.00
46	Storm Sewer Manhole, Type M-A, 60"	Ea.	1	\$4,000.00	\$4,000.00
47	Sanitary Sewer Manhole, Type A, 72" Ø	Ea.	1	\$5,000.00	\$5,000.00
48	Sanitary Sewer Manhole, Type A, 84" Ø	Ea.	2	\$6,000.00	\$12,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
49	Sanitary Sewer Manhole, Type A, 60" Ø	Ea.	2	\$4,000.00	\$8,000.00
50	Sanitary Sewer Manhole, Type F, 16'x4' with two riser manholes	Ea.	1	\$20,000.00	\$20,000.00
51	Intake - Type M-F	Ea.	1	\$2,500.00	\$2,500.00
52	Intake - Type M-H	Ea.	2	\$2,000.00	\$4,000.00
53	Intake Casting - Type R Grate	Ea.	3	\$500.00	\$1,500.00
54	Intake - Type M-A	Ea.	1	\$2,000.00	\$2,000.00
55	Connect New Sewer Pipe to Existing Structure	Ea.	5	\$500.00	\$2,500.00
56	Connect Existing Sewer Pipe to New Manhole	Ea.	9	\$500.00	\$4,500.00
57	Sanitary Sewer, 12" Ø	L.F.	103	\$75.00	\$7,725.00
58	Sanitary Sewer, 18" Ø	L.F.	24	\$120.00	\$2,880.00
59	Sanitary Sewer, 24" Ø	L.F.	86	\$150.00	\$12,900.00
60	Sanitary Sewer, 36" Ø	L.F.	355	\$380.00	\$134,900.00
61	Sanitary Sewer, 42" Ø	L.F.	47	\$600.00	\$28,200.00
62	Sanitary Sewer, 12" Ø Jacked or Bored w/Casing Pipe	L.F.	57	\$250.00	\$14,250.00
63	Sanitary Service Line	Ea.	7	\$1,600.00	\$11,200.00
64	Sanitary Sewer 11-¼ ° Bend, 42" Ø	Ea.	1	\$3,000.00	\$3,000.00
65	Storm Sewer, 15" Ø	L.F.	12	\$60.00	\$720.00
66	Storm Sewer, 21" Ø	L.F.	161	\$75.00	\$12,075.00
67	Storm Sewer, 24" Ø	L.F.	309	\$80.00	\$24,720.00
68	Storm Sewer, 30" Ø	L.F.	108	\$100.00	\$10,800.00
69	30" Flared End Section	Ea.	1	\$750.00	\$750.00
70	24" Storm Sewer Check Valve	Ea.	2	\$500.00	\$1,000.00
71	8" Footing Drain Collector	L.F.	95	\$20.00	\$1,900.00
72	Subdrain Cleanout	Ea.	3	\$250.00	\$750.00
73	Check Depth of Water & Sanitary Services	Ea.	5	\$500.00	\$2,500.00
74	Lower Water Service	Ea.	5	\$750.00	\$3,750.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
75	Water Service Line, Far Side	Ea.	2	\$1,200.00	\$2,400.00
76	Water Service Line Connection, Near Side	Ea.	4	\$1,000.00	\$4,000.00
77	Water Main, 8" Ø PVC	L.F.	308	\$90.00	\$27,720.00
78	Water Main, 8" Ø DI	L.F.	121	\$100.00	\$12,100.00
79	Water Main, 24" Ø DI	L.F.	62	\$300.00	\$18,600.00
80	Water Main, 8" Jacked or Bored	L.F.	78	\$150.00	\$11,700.00
81	Water Main, 24" Jacked or Bored w/Casing Pipe	L.F.	47	\$450.00	\$21,150.00
82	PCCP to DI Water Main Adaptor	Ea.	2	\$3,500.00	\$7,000.00
83	Gate Valve, 8"	Ea.	2	\$1,000.00	\$2,000.00
84	Gate Valve, 6"	Ea.	1	\$800.00	\$800.00
85 *	Prepare Excavation for 8" Tapping Valve and Sleeve	Ea.	1	\$2,000.00	\$2,000.00
86	8" Bends	Ea.	16	\$350.00	\$5,600.00
87	8" x 6" Reducer	Ea.	2	\$400.00	\$800.00
88	8"x8" Tee	Ea.	1	\$400.00	\$400.00
89	8" x 6" Tee	Ea.	1	\$350.00	\$350.00
90	8" Sleeve	Ea.	2	\$300.00	\$600.00
91	45 ° Bend for Water Main, 24"	Ea.	8	\$2,000.00	\$16,000.00
92	Fire Hydrant Assembly	Ea.	1	\$3,000.00	\$3,000.00
93	Cast-in-place RCB - Typical Section A	L.F.	406	\$1,700.00	\$690,200.00
94	Cast-in-place RCB - Typical Section B	L.F.	1190.1	\$1,100.00	\$1,309,110.00
95	Cast-in-place RCB - Typical Section C	L.F.	720	\$1,100.00	\$792,000.00
96	Cast-in-place RCB - Typical Section D	L.F.	480	\$1,200.00	\$576,000.00
97	Cast-in-place RCB - Typical Section E Indianola Ave RCB Replacement	L.F.	71	\$1,000.00	\$71,000.00
98	Cast-in-place RCB - 9th Street	L.F.	38	\$1,400.00	\$53,200.00
99	RCB End Section at Gray Street	Ea.	1	\$27,000.00	\$27,000.00
100	RCB End Section at S.E. 9th Street	Ea.	2	\$25,700.00	\$51,400.00

7B

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
101	Cast-in-place RCB - Transition Section, B to C	Ea.	1	\$21,200.00	\$21,200.00
102	Cast-in-place RCB - Transition Section, C to D	Ea.	1	\$21,700.00	\$21,700.00
103	Reinforced Concrete Box Manhole	Ea.	10	\$1,500.00	\$15,000.00
104	Monitoring Well Abandonment & Plugging	Ea.	3	\$500.00	\$1,500.00
105 *	Traffic Signal Modification	LS	1	\$28,000.00	\$28,000.00

Prepared By: Stanley Consultants

Checked By: Matthew Becker

TOTAL CONSTRUCTION COST	\$5,027,400.50
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* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

* Estimate Total= \$414,564.50