

DATE March 10, 2008

ORDERING CONSTRUCTION OF  
SOUTHEAST CONNECTOR - DES MOINES RIVER BRIDGE WITH LEVEE, SANITARY SEWER, AND  
WATER MAIN RELOCATION  
AND FIXING A DATE FOR RECEIVING OF BIDS ON MARCH 18, 2008  
AND PUBLIC HEARING ON APRIL 7, 2008  
ENGINEER'S ESTIMATE IS \$9,975,000.00

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

Southeast Connector - Des Moines River Bridge with Levee, Sanitary Sewer, and Water Main Relocation,  
12-2007-003  
NHSX-U-1945(402)--8S-77, NHSX-U-1945(403)--8S-77, NHSX-U-1945(405)--8S-77

DATE March 10, 2008

The improvement includes construction of the following two improvements which the Iowa Department of Transportation has tied as one single project.

1. Southeast Connector: Des Moines River Bridge

IDOT Project No. NHSX-U-1945(403)--8S-77 and NHSX-U-1945(405)--8S-77, Activity ID 12-2007-003, being:

Construction of an eastbound 720' x 36' pretensioned prestressed concrete beam bridge, and a westbound 687' x 36' pretensioned prestressed concrete beam bridge, along with all the necessary excavation, structural concrete, reinforcing steel, structural steel, concrete barrier railing, steel railings, bridge deck drains, steel bearing pile, slope protection, concrete rustication, concrete colored sealer coat, roadway lighting, bridge accent lighting, underdeck security lighting, construction survey, and mobilization; all in accordance with the contract documents including Plan File Nos. 481-001/275.

2. Southeast Connector: Levee, Sanitary Sewer, and Water Main Relocation

IDOT Project No. NHSX-U-1945(402)--8S-77, Activity ID 04-2007-010, being:

Construction of approximately 292 LF of 12-inch ductile iron water main and 542 LF of 48-inch concrete sanitary sewer pipe, along with all the necessary excavation, selected backfill, compaction, removals, slotted drains, subdrain, intakes, storm sewer, sanitary sewer, utility access structures, HMA recreation trail, PCC driveway, PCC pavement patches, contaminated soil handling and disposal, slope protection, traffic control, safety closures, fence work, silt fence, topsoil, and restoration; all in accordance with the contract documents including Plan File Nos. 481-276/318.

The improvement is generally located from the west side of the Des Moines River near the intersection of Elm Street and Water Street easterly across the Des Moines River to near the intersection of Raccoon Street and S.E. 3rd Street.

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$9,975,000.00. 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 April 7, 2008, 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 18, 2008, 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.

★ **Roll Call Number**

Agenda Item Number

8B

DATE March 10, 2008

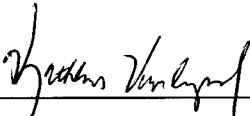
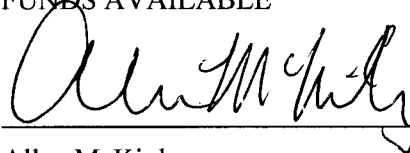
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders and Notice of Public Hearing for said improvement be published in the Des Moines Register as provided and directed by Chapter 26 and/or 314, Code of Iowa.

(City Council Communication Number 08-119 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

Kathleen Vanderpool  
Deputy City Attorney

Allen McKinley  
Des Moines Finance Director

Funding Source: 2007-2008 CIP, Page Street-41, Southeast Connector - SW Second to SE Sixth Street, STR214, Being:

~~SEB~~ \$10,638,451 in available funding being: \$1,533,690 in TIF, \$971,200 in Federal Transportation earmark funds under NHSX-U-1945(402)--8S-77, \$2,970,000 in Federal Transportation earmark funds and \$2,292,000 in Federal Surface Transportation Program funds under NHSX-U-1945(403)--8S-77, and \$2,871,561 in Federal Transportation earmark funds under NHSX-U-1945(405)--8S-77

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
HENSLEY				
KIERNAN				
MAHAFFEY				
MEYER				
VLASSIS				
TOTAL				

MOTION CARRIED

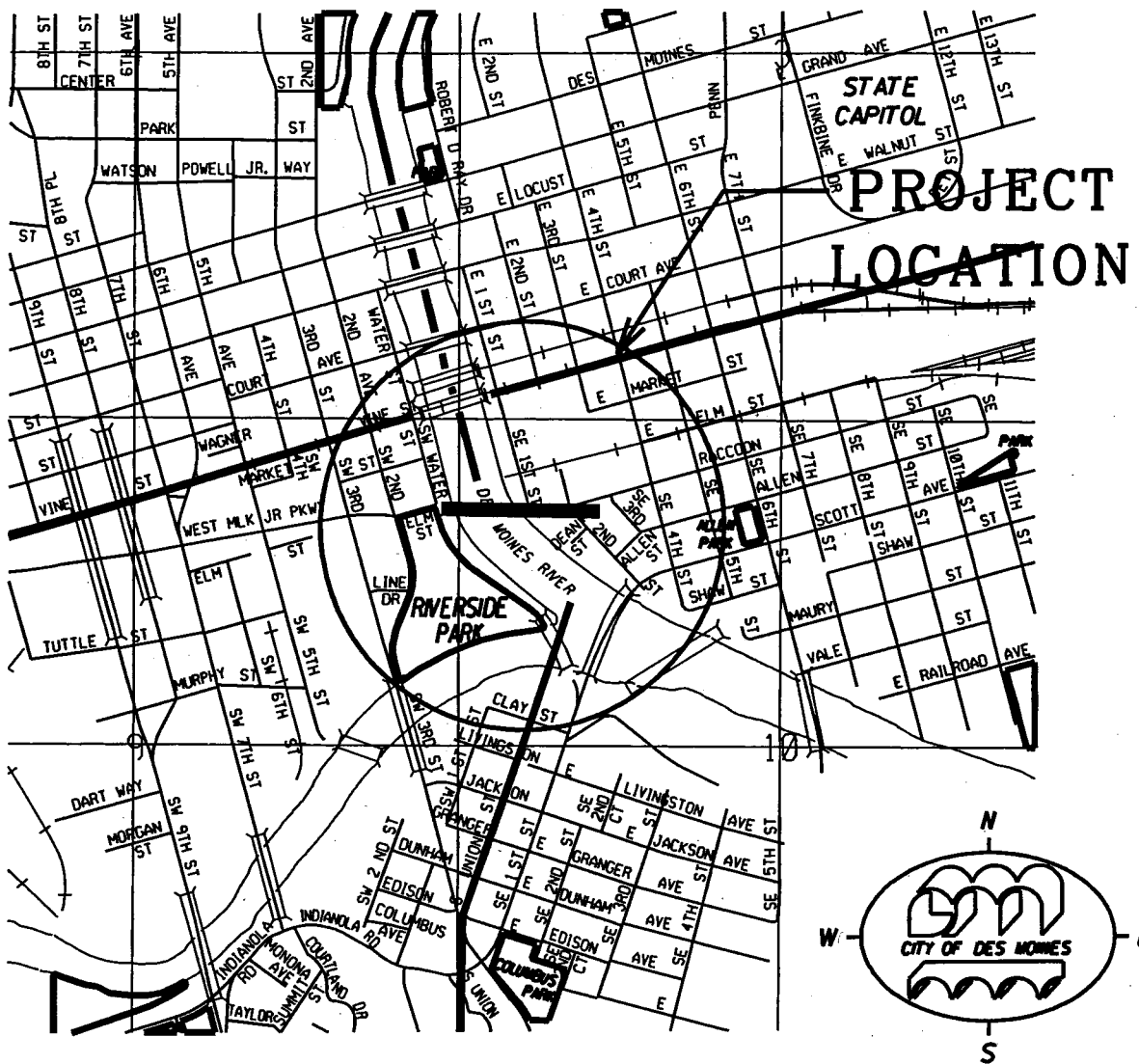
APPROVED

\_\_\_\_\_  
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



**SOUTHEAST CONNECTOR : DES MOINES  
 RIVER BRIDGE / LEVEE , SANITARY  
 SEWER AND WATER MAIN RELOCATION,  
 AS ONE TIED PROJECT  
 IDOT PROJECT NOS.  
 NHSX-U-1945(402)--8S-77  
 NHSX-U-1945(403)--8S-77  
 CITY ACTIVITY ID 12-2007-003**

8B

**SOUTHEAST CONNECTOR - CITY OF DES MOINES  
DES MOINES RIVER BRIDGES  
OPINION OF PROBABLE BRIDGE CONSTRUCTION COST  
CONSTRUCTION COST SUMMARY**

ITEM	COMPONENT	CONSTR. COST
1	Eastbound Bridge Construction	\$ 4,149,888
2	Westbound Bridge Construction	\$ 4,081,849
3	Electrical and Lighting on the Bridges	\$ 648,733
	subtotal of Bridges =	\$ 8,880,470
4	Levee, Sanitary Sewer, Water Main Constr.	\$ 1,094,530

OPINION OF TOTAL CONSTRUCTION COST = \$ 9,975,000

excludes Right-of-way and construction services

**THE OPINION OF PROBABLE CONSTRUCTION COST IS NOT A GUARANTEE OF A BID THAT WILL BE RECEIVED FROM A CONTRACTOR. IT IS INTENDED BE USED FOR COMPARISON, PROJECT PLANNING, AND BUDGETING. THE TOTAL SHOULD BE ADJUSTED TO REFLECT INFLATION.**

**DES MOINES RIVER BRIDGES  
OPINION OF PROBABLE BRIDGE CONSTRUCTION COST**

<b>ESTIMATED EASTBOUND BRIDGE QUANTITIES</b>						
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	UNIT PRICE	COST
1	2402-2720000	EXCAVATION CLASS 20	CY	885	\$ 75.00	\$ 66,375.00
2	2402-2721000	EXCAVATION CLASS 21	CY	1156	125.00	144,500.00
3	2403-0100000	STRUCTURAL CONCRETE (MISCELLANEOUS)	CY	24	750.00	18,000.00
4	and Lighting on t	STRUCTURAL CONCRETE (BRIDGE)	CY	2708	430.00	1,164,440.00
5	2404-7775000	REINFORCING STEEL	LB	172295	0.81	139,558.95
6	2404-7775000	REINFORCING STEEL, EPOXY-COATED	LB	342940	0.80	274,351.77
7	2407-0550000	BEAMS, PRETENSIONED PRESTRESSED CONCRETE	EACH	48	15,300.00	734,400.00
8	2407-0563065	BEAMS, PRETENSIONED PRESTRESSED CONCRETE BTC65	EACH	8	9,700.00	77,600.00
9	2408-7800000	STRUCTURAL STEEL	LB	56655	2.00	113,310.00
10	2413-1200000	STEEL EXTRUSION JOINT WITH NEOPRENE	LF	127	160.00	20,320.00
11	2414-6424111	CONCRETE BARRIER RAILING, MEDIAN	LF	262.56	45.00	11,815.20
12	2414-6425410	CONCRETE BARRIER RAILING, REINFORCED, SEPARATION	LF	734.81	70.00	51,436.70
13	2414-6444100	STEEL PIPE PEDESTRAIN HAND RAILING	LF	734.81	50.00	36,740.50
14	2414-6460000	ORNAMENTAL METAL RAILING	LF	747.32	200.00	149,464.58
15	2499-2300001	BRIDGE DECK DRAINS	LS	1	4,050.00	4,050.00
16	2501-0201057	PILE, STEEL BEARING HP 10 X 57	LF	3765	38.00	143,070.00
17	2501-0201253	PILE, STEEL BEARING HP 12 X 53	LF	8980	36.00	323,280.00
18	2533-4980005	MOBILIZATION	LS	1	430,000.00	430,000.00
19	2599-9999009	WYOMING RAILING (STEEL)	LF	499.74	75.00	37,480.50
20	2599-9999018	COLOR SEALER COAT-STRUCT. CONC.-RUSTICATION	SY	125	30.00	3,750.00
21	2599-9999018	COLOR SEALER COAT-STRUCT. CONC.-EXTERIOR BEAM FACIA	SY	638	20.00	12,760.00
22	2599-9999020	SLOPE PROTECTION (GRANITE BOULDERS)	TON	1288	120.00	154,560.00
23	2601-2638610	CONCRETE SLOPE PROTECTION	SY	515	75.00	38,625.00
		COFFERDAMS FOR 4 PIERS (not a bid item)				
					Eastbound Bridge Total =	\$ 4,149,888

THE OPINION OF PROBABLE CONSTRUCTION COST IS NOT A GUARANTEE OF A BID THAT WILL BE RECEIVED FROM A CONTRACTOR. IT IS INTENDED BE USED FOR COMPARISON, PROJECT PLANNING, AND BUDGETING. THE TOTAL SHOULD BE ADJUSTED TO REFLECT INFLATION.

**SOUTHEAST CONNECTOR - CITY OF DES MOINES  
DES MOINES RIVER BRIDGES  
OPINION OF PROBABLE BRIDGE CONSTRUCTION COST**

ESTIMATED WESTBOUND BRIDGE QUANTITIES						
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	UNIT PRICE	COST
1	2402-2720000	EXCAVATION CLASS 20	CY	885	\$ 75.00	\$ 66,375.00
2	2402-2721000	EXCAVATION CLASS 21	CY	1156	125.00	144,500.00
3	2403-0100000	STRUCTURAL CONCRETE (MISCELLANEOUS)	CY	24	750.00	18,000.00
4	and Lighting on t	STRUCTURAL CONCRETE (BRIDGE)	CY	2699.2	430.00	1,160,656.00
5	2404-7775000	REINFORCING STEEL	LB	174885	0.81	141,656.85
6	2404-7775000	REINFORCING STEEL, EPOXY-COATED	LB	327231	0.80	261,784.80
7	2407-0550000	BEAMS, PRETENSIONED PRESTRESSED CONCRETE	EACH	48	15,300.00	734,400.00
8	2407-0563065	BEAMS, PRETENSIONED PRESTRESSED CONCRETE	EACH	8	9,700.00	77,600.00
9	2408-7800000	STRUCTURAL STEEL	LB	48579	2.00	97,158.00
10	2413-1200000	STEEL EXTRUSION JOINT WITH NEOPRENE	LF	127	160.00	20,320.00
11	2414-6424111	CONCRETE BARRIER RAILING, MEDIAN	LF	264	45.00	11,880.00
12	2414-6425410	CONCRETE BARRIER RAILING, REINFORCED, SEPARATION	LF	680.9	70.00	47,663.00
13	2414-6444100	STEEL PIPE PEDESTRAIN HAND RAILING	LF	680.9	50.00	34,045.00
14	2414-6460000	ORNAMENTAL METAL RAILING	LF	679.75	200.00	135,950.00
15	2499-2300001	BRIDGE DECK DRAINS	LS	1	4,051.00	4,051.00
16	2501-0201057	PILE, STEEL BEARING HP 10 X 57	LF	3945	38.00	149,910.00
17	2501-0201253	PILE, STEEL BEARING HP 12 X 53	LF	8330	36.00	299,880.00
18	2533-4980005	MOBILIZATION	LS	1	430,000.00	430,000.00
19	2599-9999009	WYOMING RAILING (STEEL)	LF	484.33	75.00	36,324.75
20	2599-9999010	BRIDGE ELECTRICAL	LS	1	131,933.00	131,933.00
21	2599-9999010	BRIDGE LIGHTING	LS	1	516,800.00	516,800.00
22	2599-9999018	COLOR SEALER COAT-STRUCT. CONC.-RUSTICATION	SY	125	30.00	3,750.00
23	2599-9999018	COLOR SEALER COAT-STRUCT. CONC.-EXTERIOR BEAM FACIA	SY	638	20.00	12,760.00
24	2599-9999020	SLOPE PROTECTION (GRANITE BOULDERS)	TON	1288	120.00	154,560.00
25	2601-2638610	CONCRETE SLOPE PROTECTION	SY	515	75.00	38,625.00
		COFFERDAMS FOR 4 PIERS (not a bid item)				
Westbound Bridge Total =					\$	4,730,582

THE OPINION OF PROBABLE CONSTRUCTION COST IS NOT A GUARANTEE OF A BID THAT WILL BE RECEIVED FROM A CONTRACTOR. IT IS INTENDED BE USED FOR COMPARISON, PROJECT PLANNING, AND BUDGETING. THE TOTAL SHOULD BE ADJUSTED TO REFLECT INFLATION.

Westbound Bridge Cost w/o Electrical & Lightings= 4,081,849

**SOUTHEAST CONNECTOR - CITY OF DES MOINES  
DES MOINES RIVER BRIDGES  
OPINION OF PROBABLE BRIDGE CONSTRUCTION COST**

September 27, 2007

<b>ELECTRICAL COST ESTIMATE</b>						
ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	UNIT PRICE	COST
1	2599-XXXXXXX	ROADWAY LIGHT FIXTURE ASSEMBLY (L1)	EA	12	\$10,200	\$ 122,400
2	2599-XXXXXXX	PIER FIN LIGHT ASSEMBLY (L2)	EA	12	\$17,400	\$ 208,800
3	2599-XXXXXXX	MONUMENT FIN LIGHT ASSEMBLY (L3)	EA	4	\$18,200	\$ 72,800
4	2599-XXXXXXX	PIER EMBEDDED LIGHT ASSEMBLY (L4)	EA	12	\$ 800	\$ 9,600
5	2599-XXXXXXX	MONUMENT EMBEDDED LIGHT ASSEMBLY (L5)	EA	4	\$ 800	\$ 3,200
6	2599-XXXXXXX	MONUMENT SCONCE LIGHT ASSEMBLY (L6)	EA	8	\$ 2,900	\$ 23,200
7	2599-XXXXXXX	UNDERDECK SECURITY LIGHT ASSEMBLY (L7)	EA	8	\$ 9,600	\$ 76,800
8	2599-XXXXXXX	Lighting Cabinet	EA	2	\$7,500	\$15,000
9	2599-XXXXXXX	Pullboxes - In-ground / 17" X 30" X 18"	EA	4	\$500	\$2,000
10	2599-XXXXXXX	Pullboxes - In-ground / 24" X 36" X 18"	EA	2	\$600	\$1,200
11	2599-XXXXXXX	Pullboxes - In-deck	EA	12	\$500	\$6,000
12	2599-XXXXXXX	Pull Box / Galv. Stl / NEMA 3R	EA	4	\$40	\$160
13	2599-XXXXXXX	Fuse Holders - Loop feed	EA	44	\$55	\$2,420
14	2599-XXXXXXX	Fuse Holders - Radial feed	EA	14	\$36	\$504
15	2599-XXXXXXX	Fuse - 1 1/2A	EA	20	\$7	\$130
16	2599-XXXXXXX	Fuse - 5A	EA	30	\$7	\$195
17	2599-XXXXXXX	Fuse - 7A	EA	8	\$7	\$52
18	2599-XXXXXXX	Connector - Copper, insulated	EA	65	\$3	\$163
19	2599-XXXXXXX	Connector - Copper, non-insulated	EA	24	\$2	\$42
20	2599-XXXXXXX	Ground Rod - copper, 5/8" X 10"	EA	6	\$60	\$360
21	2599-XXXXXXX	Clamp - Ground Rod, copper, 5/8"	EA	6	\$12	\$72
22	2599-XXXXXXX	Conduit - RGC, 3/4"	FT	50	\$2	\$108
23	2599-XXXXXXX	Conduit, SCH40 PVC, 2"	FT	2,800	\$3	\$8,960
24	2599-XXXXXXX	Conduit, SCH40 PVC, 3"	FT	90	\$4	\$338
25	2599-XXXXXXX	Conduit, RGC, 2"	FT	2,800	\$5	\$13,300
26	2599-XXXXXXX	Conduit - Liquid Tight, Flexible Steel, 3/4"	FT	20	\$6	\$110
27	2599-XXXXXXX	Conduit - Liquid Tight, Flexible Steel, 1"	FT	520	\$7	\$3,380
28	2599-XXXXXXX	Conduit - SCH40 PVC, 1"	FT	750	\$3	\$1,988
29	2599-XXXXXXX	Conduit - RGC, 5"	FT	2,840	\$8	\$21,442
30	2599-XXXXXXX	Fittings - Conduit, SCH40 PVC, 2"	LOT	1	\$1,600	\$1,600
31	2599-XXXXXXX	Fittings - Conduit, RGC, 2"	LOT	1	\$2,500	\$2,500
32	2599-XXXXXXX	Fittings - Conduit, Liquid Tight, Flexible Steel, 3/4"	LOT	1	\$50	\$50
33	2599-XXXXXXX	Fittings - Conduit, Liquid Tight, Flexible Steel, 1"	LOT	1	\$930	\$930
34	2599-XXXXXXX	Fittings - Conduit, SCH40 PVC, 1" **	LOT	1	\$400	\$400
35	2599-XXXXXXX	Fittings - Conduit, RGC, 5"	LOT	1	\$4,850	\$4,850
36	2599-XXXXXXX	Wire - #8 XHHW, stranded copper	FT	39,000	\$1	\$37,830
37	2599-XXXXXXX	Wire - Bare, #8 stranded copper	FT	2,200	\$1	\$1,870
38	2599-XXXXXXX	Wire - #10 XHHW, copper	FT	1,900	\$1	\$1,273
39	2599-XXXXXXX	Wire - #10-3 UF, with Ground, Streetlight poles	FT	690	\$3	\$2,312
40	2599-XXXXXXX	Wire - #3/0 XHHW, stranded copper	FT	90	\$4	\$396
Subtotal of Electrical =						\$ 648,733

THE OPINION OF PROBABLE CONSTRUCTION COST IS NOT A GUARANTEE OF A BID THAT WILL BE RECEIVED FROM A CONTRACTOR. IT IS INTENDED BE USED FOR COMPARISON, PROJECT PLANNING, AND BUDGETING. THE TOTAL SHOULD BE ADJUSTED TO REFLECT INFLATION.



**OPINION OF PROBABLE CONSTRUCTION COSTS**  
 NHSX-U-1945(402)- -8S-77  
 CITY OF DES MOINES

Kirkham Michael  
 Des Moines, Iowa

LEVEE, SANITARY SEWER AND  
 WATER MAIN RELOCATION

TOTAL ESTIMATED QUANTITIES						
REF. NO.	CODE NO.	ITEM	UNIT	QUANTITY	PRICE	TOTAL
101	2101-0850002	CLEARING AND GRUBBING	UNIT	44.20	\$22.00	\$972.40
102	2102-0425046	SELECTED BACKFILL	CY	7,380	\$6.00	\$44,280.00
103	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	12,806	\$6.50	\$83,239.00
104	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	1,635	\$8.00	\$13,080.00
105	2107-0875000	COMPACTION WITH MOISTURE AND DENSITY CONTROL	CY	22,464	\$2.00	\$44,928.00
106	2107-3825025	GRANULAR MATERIAL FOR BLANKET AND SUBDRAIN	CY	196.0	\$22.00	\$4,312.00
107	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS	1.0	\$18,000.00	\$18,000.00
108	2401-6750001	REMOVALS, AS PER PLAN	LS	1.0	\$4,000.00	\$4,000.00
109	2402-0875150	COMPACTION WITH MOISTURE CONTROL (STRUCTURES)	CY	874	\$3.50	\$3,059.00
110	2402-2720000	EXCAVATION, CLASS 20	CY	992	\$18.00	\$17,856.00
111	2417-2307015	DRAIN, CORRUGATED METAL SLOTTED PIPE, 15 IN., W/6 IN. GRATE	LF	193	\$35.00	\$6,755.00
112	2502-8212206	SUBDRAIN, PERFORATED PLASTIC PIPE, 6 IN. DIA.	LF	196.0	\$12.00	\$2,352.00
113	2503-4470630	INTAKE, RA-63	EACH	3	\$1,000.00	\$3,000.00
114	2503-7275015	SEWER PIPE, 1500D STORM, 15 IN. DIA.	LF	15	\$36.00	\$540.00
115	2503-8462300	UTILITY ACCESS, SPECIAL	EACH	2	\$50,000.00	\$100,000.00
116	2504-7000036	REMOVE SANITARY SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	110	\$15.00	\$1,650.00
117	2504-7000136	REMOVE SANITARY SEWER PIPE GREATER THAN 36 IN.	LF	625	\$120.00	\$75,000.00
118	2504-7065008	SEWER PIPE, PLASTIC SANITARY, 8 IN. DIA.	LF	76.0	\$85.00	\$6,460.00
119	2504-7085048	SEWER PIPE, CONCRETE SANITARY, 3000D, 48 IN.	LF	542	\$250.00	\$135,500.00
120	2507-3250005	ENGINEERING FABRIC	SY	268.3	\$2.50	\$670.75
121	2507-6800061	REVTMENT, CLASS E	TON	290	\$31.00	\$8,990.00
122	2510-6745850	REMOVAL OF PAVEMENT	SY	7,405	\$5.20	\$38,506.00
123	2511-0300000	REMOVAL OF RECREATIONAL TRAIL	SY	1,726	\$5.25	\$9,061.50
124	2511-0301600	RECREATIONAL TRAIL, HOT MIX ASPHALT, 6 IN.	SY	2,148.2	\$26.00	\$55,853.20
125	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	16.0	\$140.00	\$2,240.00
126	2515-2475007	DRIVEWAY, P.C. CONCRETE, 7 IN.	SY	376.3	\$48.00	\$18,062.40
127	2516-6745877	REMOVAL OF RETAINING WALLS AND FOOTINGS	LS	1.0	\$6,000.00	\$6,000.00
128	2518-6910000	SAFETY CLOSURE	EACH	2.0	\$150.00	\$300.00
129	2519-1010010	FENCE, REMOVE AND RE-INSTALL, CHAIN LINK	LF	71.00	\$10.00	\$710.00
130	2519-10010020	REMOVAL OF CHAIN LINK FENCE, AS PER PLAN	LF	1,110.0	\$3.00	\$3,330.00
131	2519-3300500	FENCE, SAFETY	LF	810.0	\$2.60	\$2,106.00
132	2519-3760000	ENTRANCE BOLLARD	EACH	2.0	\$600.00	\$1,200.00
133	2520-3350010	FIELD LABORATORY	EACH	1.0	\$3,000.00	\$3,000.00
134	2523-6765009	REMOVE AND REINSTALL LIGHT POLE AND LUMINAIRE	EACH	2.0	\$2,500.00	\$5,000.00
135	2528-8445110	TRAFFIC CONTROL	LS	1	\$10,000.00	\$10,000.00
136	2529-5070110	PATCHES, FULL-DEPTH FINISH, BY AREA	SY	106.6	\$85.00	\$9,061.00
137	2529-5070120	PATCHES, FULL-DEPTH FINISH, BY COUNT	EACH	1	\$1,000.00	\$1,000.00
138	2533-4980005	MOBILIZATION	LS	1	\$0.00	\$0.00
139	2598-3778012	GATE VALVE AND VALVE BOX, 12 IN.	EACH	1	\$1,400.00	\$1,400.00
140	2598-8805612	WATER MAIN, DUCTILE IRON, 12 IN.	LF	292	\$50.00	\$14,600.00
141	2598-8810200	WATER MAIN FITTINGS	LB	324	\$6.00	\$1,944.00
142	2598-8815400	WATER MAIN, REMOVE, AS PER PLAN	LF	344	\$19.00	\$6,536.00
143	2599-9999003	REMOVAL OF REVETMENT	CY	2,950	\$16.00	\$47,200.00
144	2599-9999003	TRENCH CUT-OFF WALLS	CY	17	\$400.00	\$6,800.00
145	2599-9999003	CONTAMINATED SOIL HANDLING	LS	1	\$120,000.00	\$120,000.00
146	2599-9999020	SPECIAL WASTE DISPOSAL	TON	1,200	\$100.00	\$120,000.00
147	2599-9999020	HAZARDOUS MATERIALS CONTAINMENT	TON	10	\$500.00	\$5,000.00
148	2599-9999020	HAZARDOUS MATERIALS DISPOSAL	TON	10	\$1,000.00	\$10,000.00
149	2601-2634100	MULCHING	ACRE	5.0	\$375.00	\$1,875.00
150	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	5.0	\$1,300.00	\$6,500.00
151	2601-2638620	MACADAM STONE SLOPE PROTECTION	SY	126.5	\$26.00	\$3,289.00
152	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	3.0	\$500.00	\$1,500.00
153	2602-0000020	SILT FENCE	LF	2,170	\$2.10	\$4,557.00
154	2602-0000090	CLEAN-OUT OF SILT FENCE	LF	2,170	\$1.50	\$3,255.00
					<b>TOTALS</b>	<b>\$1,094,530.25</b>

THE OPINION OF PROBABLE CONSTRUCTION COST IS NOT A GUARANTEE OF A BID THAT WILL BE RECEIVED FROM A CONTRACTOR. IT IS INTENDED BE USED FOR COMPARISON, PROJECT PLANNING, AND BUDGETING. THE TOTAL SHOULD BE ADJUSTED TO REFLECT INFLATION.