

DATE January 14, 2019

ORDERING CONSTRUCTION OF  
FLEUR DRIVE RECONSTRUCTION FROM GEORGE FLAGG PARKWAY TO WATROUS AVENUE  
PHASE 1 NORTHBOUND LANES  
AND FIXING A DATE FOR RECEIVING OF BIDS ON JANUARY 29, 2019  
AND PUBLIC HEARING ON FEBRUARY 11, 2019  
ENGINEER'S ESTIMATE IS \$6,425,000.00

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:

Fleur Drive Reconstruction from George Flagg Parkway to Watrous Avenue, Phase 1 Northbound Lanes, 06-2017-014

The improvement includes reconstructing the northbound lanes of Fleur Drive with Portland Cement Concrete (PCC) curb and gutter, 9-inch Hot Mix Asphalt (HMA) paving, 12-inch modified subbase, 3-inch milling with HMA paving, PCC sidewalk and driveways, retaining walls, storm sewer, subdrain, earthwork and grading, fencing, water main construction, new irrigation system, erosion control, and restoration; all in accordance with contract documents, including Plan File Nos. 606-001/372, located along Fleur Drive from Watrous Avenue to George Flagg Parkway Des Moines, Iowa

be and the same are hereby approved and accepted. The estimated construction cost for said improvement is \$6,425,000.00. The proposed plans, specifications, and form of contract documents are available for public inspection in the Des Moines 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 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 February 11, 2019, 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 Des Moines City Clerk until 11:00 a.m. on January 29, 2019, 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 Engineer in the City Council Chambers, 2nd Floor, City Hall, 400 Robert D. Ray Drive, Des Moines, Iowa, at 11:00 a.m. on January 29, 2019, after which the bids together with a bid tabulation and recommendation of the Engineer will be presented to the City Council at its next meeting for action thereon.

★ **Roll Call Number**

**Agenda Item Number**

7A

DATE January 14, 2019

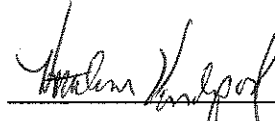
BE IT FURTHER RESOLVED: That an appropriate Notice to Bidders for said improvement be posted, and Notice of Public Hearing for said improvement be published in the Des Moines Register, all as provided and directed by Chapter 26 and/or 314, Code of Iowa.

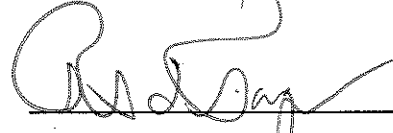
(City Council Communication Number 19-013 attached.)

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

FORM APPROVED:

FUNDS AVAILABLE

  
 \_\_\_\_\_  
 Kathleen Vanderpool  
 Deputy City Attorney

  
 \_\_\_\_\_  
 Robert L. Fagen  
 Des Moines Finance Director

SLN

Funding Source: 2018-2019 CIP, Page Street – 5, Arterial Pavement Rehabilitation, ST267, G. O. Bonds, Being: \$2,000,000 in G.O. Bonds; \$3,325,000 in G.O. Bonds to be issued; and the remaining \$1,100,000 from Des Moines Water Works

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
BOESEN				
COLEMAN				
GATTO				
GRAY				
MANDELBAUM				
WESTERGAARD				
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

## CONSTRUCTION ESTIMATE

DEPARTMENT OF ENGINEERING  
CITY OF DES MOINES, IOWA

Activity ID 06-2017-014  
IDOT Project No: N/A  
Date: 12/31/2018

### PROJECT: FLEUR DRIVE RECONSTRUCTION FROM GEORGE FLAGG PARKWAY TO WATROUS AVENUE, PHASE 1 NORTHBOUND LANES

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
<b>DIVISION 1: FLEUR DR. RECONSTRUCTION (CITY OF DES MOINES)</b>					
1	* CLEARING & GRUBBING	UNIT	185.1	\$55.00	\$10,180.50
2	* ON-SITE TOPSOIL	CY	365	\$25.00	\$9,125.00
3	* OFF-SITE TOPSOIL	CY	938	\$30.00	\$28,140.00
4	EXCAVATION, CLASS 10	CY	6317	\$20.00	\$126,340.00
5	* EXCAVATION, CLASS 13, WASTE	CY	338	\$35.00	\$11,830.00
6	* BELOW GRADE EXCAVATION (CORE OUT)	CY	250	\$60.00	\$15,000.00
7	SUBGRADE PREPARATION	SY	22945	\$1.50	\$34,417.50
8	SUBGRADE TREATMENT, POLYMER GRID	SY	21707	\$3.50	\$75,974.50
9	* ENGINEERING FABRIC	SY	500	\$4.25	\$2,125.00
10	MODIFIED SUBBASE, 6-INCH DEPTH	SY	626	\$12.00	\$7,512.00
11	MODIFIED SUBBASE, 12-INCH DEPTH	SY	22945	\$20.00	\$458,900.00
12	STORM SEWER, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	75	\$150.00	\$11,250.00
13	STORM SEWER, TRENCHED, POLYPROPYLENE (PP), 15 IN.	LF	211	\$180.00	\$37,980.00
14	STORM SEWER, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	73	\$125.00	\$9,125.00
15	STORM SEWER SPOT REPAIR, RCP, 2000D (CLASS III), 18 IN.	LF	40	\$200.00	\$8,000.00
16	STORM SEWER, TRENCHED, POLYPROPYLENE (PP), 18 IN.	LF	333	\$150.00	\$49,950.00
17	STORM SEWER, TRENCHED, RCP, 2000D (CLASS III), 24 IN.	LF	10	\$200.00	\$2,000.00
18	* REMOVAL OF STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	152	\$30.00	\$4,560.00
19	SUBDRAIN, PVC, LONGITUDINAL, PERFORATED, 6 IN.	LF	5761	\$20.00	\$115,220.00
20	SUBDRAIN, PVC, SLOPE DRAIN, PERFORATED, 6 IN.	LF	225	\$75.00	\$16,875.00
21	SUBDRAIN OUTLETS AND CONNECTIONS, 8-INCH CMP	EACH	25	\$400.00	\$10,000.00
22	MANHOLE, SW-401, 48 IN.	EACH	1	\$4,500.00	\$4,500.00
23	INTAKE, SW-501	EACH	5	\$4,000.00	\$20,000.00
24	INTAKE, SW-505	EACH	2	\$6,000.00	\$12,000.00
25	INTAKE, SW-506, MODIFIED	EACH	1	\$10,000.00	\$10,000.00
26	MANHOLE ADJUSTMENT, MINOR	EACH	2	\$2,000.00	\$4,000.00
27	INTAKE ADJUSTMENT, MINOR	EACH	10	\$2,000.00	\$20,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
28	MANHOLE ADJUSTMENT, MAJOR	EACH	3	\$3,850.00	\$11,550.00
29	INTAKE ADJUSTMENT, MAJOR	EACH	6	\$3,850.00	\$23,100.00
30	CONNECTION TO EXISTING MANHOLE	EACH	1	\$2,600.00	\$2,600.00
31	CONNECTION TO EXISTING INTAKE	EACH	4	\$2,600.00	\$10,400.00
32 *	REMOVE MANHOLE	EACH	1	\$1,500.00	\$1,500.00
33 *	REMOVE INTAKE	EACH	2	\$1,500.00	\$3,000.00
34	PAVEMENT, PCC, CLASS C, CLASS 3 DURABILITY, 7-INCH	SY	447	\$65.00	\$29,055.00
35	PAVEMENT, PCC, CLASS C, CLASS 3 DURABILITY, 8-INCH	SY	329	\$75.00	\$24,675.00
36	PAVEMENT, PCC, CLASS C, CLASS 3 DURABILITY, 9-INCH	SY	175	\$90.00	\$15,750.00
37	CURB AND GUTTER, 1.5 FT WIDTH, 9-INCH THICKNESS	LF	5475	\$45.00	\$246,375.00
38	RAISED MEDIAN CURB, TYPE 'A'	LF	1500	\$45.00	\$67,500.00
39	CONCRETE MEDIAN, TYPE A	SY	384	\$150.00	\$57,600.00
40	CONCRETE MEDIAN, TYPE B	SY	533	\$150.00	\$79,950.00
41	COLORED MEDIAN BAND, 5-INCH PCC	SY	210	\$85.00	\$17,850.00
42	PAVEMENT, HMA, STANDARD TRAFFIC, BASE COURSE, 3/4 IN. MIX	TON	4872	\$100.00	\$487,200.00
43	PAVEMENT, HMA, HIGH TRAFFIC, INTERMEDIATE COURSE, 3/4 IN. MIX	TON	2456	\$110.00	\$270,160.00
44	PAVEMENT, HMA, HIGH TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQ'T	TON	4482	\$110.00	\$493,020.00
45 *	HMA PAVEMENT SAMPLES AND TESTING	LS	1	\$12,000.00	\$12,000.00
46 *	REMOVAL OF SIDEWALKS	SY	730	\$12.00	\$8,760.00
47 *	REMOVAL OF DRIVEWAYS	SY	977	\$12.00	\$11,724.00
48	SIDEWALK, PCC, 5 IN.	SY	2692	\$50.00	\$134,600.00
49	SIDEWALK, PCC, 6 IN.	SY	231	\$60.00	\$13,860.00
50	SIDEWALK, PCC, 6 IN., WITH CURB	SY	8	\$65.00	\$520.00
51	SIDEWALK, PCC, 6 IN. CLASS A	SY	116	\$65.00	\$7,540.00
52	DETECTABLE WARNING	SF	201	\$50.00	\$10,050.00
53	DRIVEWAY, PAVED, PCC, 6 IN.	SY	347	\$65.00	\$22,555.00
54	DRIVEWAY, PAVED, PCC, 7 IN.	SY	542	\$70.00	\$37,940.00
55	FULL-DEPTH PATCHES	SY	23	\$150.00	\$3,450.00
56 *	SUBBASE OVER-EXCAVATION FOR PATCHING	TON	12	\$75.00	\$900.00
57 *	MILLING	SY	3913	\$8.00	\$31,304.00
58 *	PAVEMENT REMOVAL	SY	26494	\$12.00	\$317,928.00
59 *	MEDIAN REMOVAL	SY	1431	\$20.00	\$28,620.00
60 *	REMOVAL OF RAISED MEDIAN CURB	LF	1500	\$8.00	\$12,000.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
61 *	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	STA	71	\$75.00	\$5,325.00
62 *	PAINTED PAVEMENT MARKINGS, DURABLE	STA	20.9	\$100.00	\$2,090.00
63 *	PERMANENT TAPE MARKINGS, PREFORMED POLYMER MARKING MATERIAL INLAY	STA	46.6	\$1,000.00	\$46,600.00
64 *	WET, RETROREFLECTIVE REMOVABLE TAPE MARKINGS	STA	87.9	\$100.00	\$8,790.00
65 *	PAINTED SYMBOLS & LEGENDS, WATERBORNE	EACH	9	\$150.00	\$1,350.00
66 *	PAINTED SYMBOLS & LEGENDS, DURABLE	EACH	20	\$250.00	\$5,000.00
67 *	TEMPORARY DELINEATORS	EACH	10	\$100.00	\$1,000.00
68 *	PAVEMENT MARKINGS REMOVED	STA	14	\$50.00	\$700.00
69 *	SYMBOLS & LEGENDS REMOVED	EACH	9	\$50.00	\$450.00
70 *	GROOVES CUT FOR PAVEMENT MARKINGS	STA	20.5	\$150.00	\$3,075.00
71 *	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	20	\$250.00	\$5,000.00
72 *	TEMPORARY TRAFFIC CONTROL	LS	1	\$60,000.00	\$60,000.00
73 *	SAFETY CLOSURE	EACH	13	\$110.00	\$1,430.00
74 *	CONVENTIONAL SEEDING, TYPE 1	ACRE	0.5	\$5,000.00	\$2,500.00
75 *	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING	ACRE	1.5	\$3,500.00	\$5,250.00
76 *	SODDING	SQ	275	\$70.00	\$19,250.00
77 *	FILTER SOCK, 9 IN. DIA.	LF	8800	\$2.00	\$17,600.00
78 *	FILTER SOCK, REMOVAL	LF	8800	\$1.00	\$8,800.00
79 *	TEMPORARY RECP, WOOD EXCELSIOR	SY	2420	\$6.00	\$14,520.00
80 *	SILT FENCE OR SILT FENCE DITCH CHECK	LF	1350	\$2.00	\$2,700.00
81 *	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	LF	1350	\$1.00	\$1,350.00
82 *	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	1350	\$1.00	\$1,350.00
83 *	EROSION CONTROL MULCHING, HYDROMULCHING	ACRE	2.5	\$2,000.00	\$5,000.00
84 *	INLET PROTECTION DEVICE, SEDIMENT FILTER BAG	EACH	25	\$175.00	\$4,375.00
85 *	INLET PROTECTION DEVICE, MAINTENANCE	EACH	25	\$50.00	\$1,250.00
86	CHAIN LINK FENCE, VINYL COATED, 42 IN. HEIGHT	LF	150	\$40.00	\$6,000.00
87	MODULAR BLOCK RETAINING WALL	SF	325	\$40.00	\$13,000.00
88	REMOVE AND REINSTALL MODULAR BLOCK RETAINING WALL	SF	125	\$40.00	\$5,000.00
89	LIMESTONE RETAINING WALL	SF	334	\$45.00	\$15,030.00
90	REMOVE AND REINSTALL LIMESTONE RETAINING WALL	SF	42	\$40.00	\$1,680.00
91	SEGMENTAL BLOCK RETAINING WALL	SF	2556	\$55.00	\$140,580.00
92	GRANULAR BACKFILL FOR SEGMENTAL BLOCK RETAINING WALL	TON	826	\$65.00	\$53,690.00
93 *	MOBILIZATION	LS	1	\$297,744.50	\$297,744.50

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
94 *	MAINTENANCE OF POSTAL SERVICE	LS	1	\$2,000.00	\$2,000.00
95 *	MAINTENANCE OF SOILD WASTE COLLECTION	LS	1	\$2,000.00	\$2,000.00
96 *	CONCRETE WASHOUT	LS	1	\$8,000.00	\$8,000.00
97 *	REMOVALS	LS	1	\$5,000.00	\$5,000.00
98 *	TEMPORARY SHEET PILE AND SHORING	LF	225	\$75.00	\$16,875.00
99 *	OBJECT MARKER, TYPE OM1-3	EACH	13	\$150.00	\$1,950.00
100 *	FURNISH AND INSTALL SIGN	EACH	25	\$150.00	\$3,750.00
101 *	REMOVE, STORE, AND REINSTALL SIGN	EACH	2	\$150.00	\$300.00
102 *	REMOVE SIGN AND SIGN POST	EACH	24	\$50.00	\$1,200.00
103 *	VERTICAL DELINEATOR POST AND BASE, 3 FT, WHITE	EACH	100	\$75.00	\$7,500.00
104 *	PERFORATED SQUARE STEEL TUBE POSTS	LF	128	\$25.00	\$3,200.00
105 *	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	150	\$100.00	\$15,000.00
106	ADJUST UTILITY/TRAFFIC SIGNAL MANHOLE OR HANDHOLE	EACH	11	\$500.00	\$5,500.00
107	REMOVE AND REPLACE TRAFFIC SIGNAL HANDHOLE	EACH	13	\$1,000.00	\$13,000.00
108	TRAFFIC LOOPS, 6 X 24	EACH	74	\$1,600.00	\$118,400.00
109	REMOVE AND REINSTALL POLE-MOUNTED PUSH-BUTTON	EACH	2	\$750.00	\$1,500.00
110 *	MAINTENANCE OF TRAFFIC SIGNALS AND SIGNS	LS	1	\$5,000.00	\$5,000.00
111 *	TEMPORARY TRAFFIC SIGNALIZATION	LS	1	\$25,000.00	\$25,000.00
112 *	TEMPORARY PAVEMENT	SY	3291	\$55.00	\$181,005.00
113 *	TEMPORARY GRANULAR MATERIAL	TON	380	\$55.00	\$20,900.00
114 *	STORM SEWER CLEANING	EACH	4	\$1,000.00	\$4,000.00
115	REMOVE AND REINSTALL CONCRETE BENCH WITH FOOTINGS	EACH	2	\$2,500.00	\$5,000.00
116 *	FLAGGER	EACH	30	\$480.00	\$14,400.00
117 *	COMPLETION INCENTIVE, LUMP SUM, NO EXCUSE	LS	1	\$130,000.00	\$130,000.00
118 *	COMPLETION INCENTIVE, CALENDAR DAY, NO EXCUSE	CDAY	30	\$4,000.00	\$120,000.00
119 *	TREE PROTECTION FENCE	LF	1200	\$4.00	\$4,800.00
120 *	TREE TRUNK PROTECTION	EACH	9	\$200.00	\$1,800.00
121 *	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)	LS	1	\$10,000.00	\$10,000.00
122	LANDSCAPED MEDIAN IRRIGATION	LS	1	\$225,000.00	\$225,000.00
123 *	FLAGGER, UNIFORMED POLICE OFFICER	EACH	40	\$135.00	\$5,400.00

**DIVISION 1, TOTAL      \$5,325,000.00**

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
<b>DIVISION 2: DES MOINES WATER WORKS</b>					
200	16" DI PIPE WITH TRACER WIRE (OPEN CUT)	LF	1007	\$120.00	\$120,840.00
201	8" DI PIPE W/RESTRAINED JOINTS & TRACER WIRE (OPEN CUT)	LF	20	\$110.00	\$2,200.00
202	16" DI PIPE W/RESTRAINED JOINTS & TRACER WIRE (OPEN CUT)	LF	147	\$200.00	\$29,400.00
203	16" C900 PVC PIPE WITH TRACER WIRE (OPEN CUT)	LF	3977	\$110.00	\$437,470.00
204	6" C900 PVC PIPE W/RESTRAINED JOINTS & TRACER WIRE (OPEN CUT)	LF	5	\$40.00	\$200.00
205	8" C900 PVC PIPE W/RESTRAINED JOINTS & TRACER WIRE (OPEN CUT)	LF	95	\$90.00	\$8,550.00
206	12" C900 PVC PIPE W/RESTRAINED JOINTS & TRACER WIRE (OPEN CUT)	LF	99	\$155.00	\$15,345.00
207	16" C900 PVC PIPE W/RESTRAINED JOINTS & TRACER WIRE (OPEN CUT)	LF	47	\$170.00	\$7,990.00
208	8" C900 PVC PIPE W/RESTRAINED JOINTS & TRACER WIRE (TRENCHLESS INSTALLATION)	LF	150	\$130.00	\$19,500.00
209	16" C900 PVC CASING PIPE (OPEN CUT)	LF	20	\$80.00	\$1,600.00
210	16" C900 PVC CASING PIPE (TRENCHLESS INSTALLATION)	LF	150	\$150.00	\$22,500.00
211	24" C900 PVC CASING PIPE (OPEN CUT)	LF	80	\$185.00	\$14,800.00
212	6" BEND	EA	1	\$500.00	\$500.00
213	8" BEND	EA	10	\$800.00	\$8,000.00
214	12" BEND	EA	2	\$1,250.00	\$2,500.00
215	16" BEND	EA	10	\$3,500.00	\$35,000.00
216	6" SOLID SLEEVE	EA	1	\$350.00	\$350.00
217	8" SOLID SLEEVE	EA	4	\$750.00	\$3,000.00
218	12" SOLID SLEEVE	EA	2	\$950.00	\$1,900.00
219	8" CAP / PLUG	EA	1	\$600.00	\$600.00
220	12" CAP / PLUG	EA	1	\$2,500.00	\$2,500.00
221	16" CAP / PLUG	EA	2	\$8,000.00	\$16,000.00
222	8" X 6" TEE	EA	1	\$1,200.00	\$1,200.00
223	12" X 12" TEE	EA	1	\$1,500.00	\$1,500.00
224	16" X 8" TEE	EA	5	\$3,000.00	\$15,000.00
225	16" X 12" TEE	EA	3	\$4,500.00	\$13,500.00
226	16" X 16" TEE	EA	1	\$6,000.00	\$6,000.00
227	8" VALVE	EA	5	\$2,100.00	\$10,500.00
228	12" VALVE	EA	2	\$3,450.00	\$6,900.00
229	16" VALVE	EA	3	\$7,800.00	\$23,400.00
230	HYDRANT ASSEMBLY	EA	19	\$5,000.00	\$95,000.00
231	HYDRANT BY-PASS ASSEMBLY	EA	1	\$8,500.00	\$8,500.00

NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
232	16" X 16" TAPPING SLEEVE & VALVE	EA	1	\$18,180.00	\$18,180.00
233 *	PREPARE EXCAVATION FOR TAPPING SLEEVE AND VALVE	EA	1	\$5,500.00	\$5,500.00
234	NEW 1" WATER SERVICE OPPOSITE SIDE (1)	EA	20	\$3,000.00	\$60,000.00
235	NEW 1" WATER SERVICE SAME SIDE (2)	EA	6	\$2,200.00	\$13,200.00
236	NEW 2" WATER SERVICE SAME SIDE (3)	EA	2	\$2,500.00	\$5,000.00
237	NEW 2" WATER SERVICE OPPOSITE SIDE (4)	EA	1	\$5,500.00	\$5,500.00
238	4" WATER SERVICE TRANSFER	EA	1	\$4,000.00	\$4,000.00
239	6" WATER SERVICE TRANSFER	EA	2	\$5,000.00	\$10,000.00
240	8" PRIVATE WATER MAIN TRANSFER	EA	4	\$8,000.00	\$32,000.00
241	1" WATER SERVICE TRANSFER @ STATION 37+56	EA	1	\$5,000.00	\$5,000.00
242	2710 FLEUR DRIVE SERVICE TAP ABANDONMENT	EA	1	\$600.00	\$600.00
243	MANUFACTURED SAND	TON	25	\$45.00	\$1,125.00
244	FOUNDATION ROCK	TON	30	\$50.00	\$1,500.00
245	48LB MAGNESIUM ANODES	EA	14	\$400.00	\$5,600.00
246	CATHODIC PROTECTION TEST STATION	EA	1	\$550.00	\$550.00

**DIVISION 2, TOTAL      \$1,100,000.00**

**ADD ALTERNATE 1: FLEUR DR. SIDEWALK FROM WAKONDA CLUB DRIVEWAY NORTH TO PARK AVE.**

300 *	CLEARING & GRUBBING	UNIT	425	\$25.00	\$10,625.00
301 *	OFF-SITE TOPSOIL	CY	279	\$30.00	\$8,370.00
302	EXCAVATION, CLASS 10	CY	268	\$20.00	\$5,360.00
303	SIDEWALK, PCC, 5 IN.	SY	1045	\$50.00	\$52,250.00
304	SIDEWALK, PCC, 6 IN.	SY	5	\$60.00	\$300.00
305 *	CONVENTIONAL SEEDING, TYPE 1	ACRE	0.2	\$5,000.00	\$1,000.00
306 *	SODDING	SQ	272	\$70.00	\$19,040.00
307 *	FILTER SOCK, 9 IN. DIA.	LF	2505	\$2.00	\$5,010.00
308 *	FILTER SOCK, REMOVAL	LF	2505	\$1.00	\$2,505.00
309 *	TEMPORARY RECP, WOOD EXCELSIOR	SY	900	\$6.00	\$5,400.00
310 *	SILT FENCE OR SILT FENCE DITCH CHECK	LF	750	\$2.00	\$1,500.00
311 *	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	LF	750	\$1.00	\$750.00
312 *	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	LF	750	\$1.00	\$750.00
313 *	EROSION CONTROL MULCHING, HYDROMULCHING	ACRE	1	\$2,000.00	\$2,000.00
314	REMOVE AND REINSTALL EXISTING DECORATIVE FENCE, 72-INCH	LF	130	\$35.00	\$4,550.00



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NO.	DESCRIPTION	ESTIMATED UNITS			AMOUNT
		UNIT	TOTAL	UNIT PRICE	TOTAL
315 *	REMOVAL OF FENCE, CHAIN LINK, 72 IN. HEIGHT WITH BARBED WIRE	LF	1625	\$5.00	\$8,125.00
316 *	TEMPORARY FENCE, CONSTRUCTION FENCE, 72 IN. HEIGHT	LF	1625	\$6.00	\$9,750.00
317	SEGMENTAL BLOCK RETAINING WALL	SF	500	\$55.00	\$27,500.00
318	GRANULAR BACKFILL FOR SEGMENTAL BLOCK RETAINING WALL	TON	270	\$65.00	\$17,550.00
319 *	HEDGE TRIMMING	LS	1	\$1,655.00	\$1,655.00
320	PC CONCRETE RETAINING WALL	CY	12	\$1,300.00	\$15,600.00
321 *	REMOVE BRICK PILLAR FOR DECORATIVE FENCE	EACH	3	\$750.00	\$2,250.00
322	BRICK PILLAR FOR DECORATIVE FENCE	EACH	3	\$6,000.00	\$18,000.00
323 *	TREE PROTECTION FENCE	LF	890	\$4.00	\$3,560.00
324 *	TREE TRUNK PROTECTION	EACH	8	\$200.00	\$1,600.00

**ADD ALTERNATE 1, TOTAL                    \$225,000.00**

**TOTAL CONSTRUCTION COST    \$6,650,000.00**  
**(DIVISION 1 + DIVISION 2 +**  
**ADD ALTERNATE 1)**

Prepared By: Brett Lewis

Checked By: \_\_\_\_\_

\* Item does not have to be included in 4-year maintenance bond, but shall be covered by a 1-year maintenance bond.

\* Estimate Total=            \$1,709,666.00