

DATE March 9, 2020

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON NEAR WEST SIDE SEWER SEPARATION PHASE 4; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS SYNERGY CONTRACTING, LLC, JESSE ROGNES, PRESIDENT, \$8,883,376.20

WHEREAS, on January 27, 2020, under Roll Call No. 20-0129, plans, specifications, form of contract documents, and Engineer's estimate of construction cost were filed with the City Clerk, for the construction of the following improvement:

Near West Side Sewer Separation Phase 4, 07-2020-002

The improvement includes Reinforced Concrete Pipe (RCP) storm sewer 12-inch to 60-inch, subdrain, sanitary sewer pump station, sanitary service services, water services, water main alterations, fire hydrants, storm sewer manholes, storm sewer intakes, Hot Mix Asphalt (HMA) pavement, Portland Cement Concrete (PCC) curb and gutter, sidewalks, driveways, earthwork, pavement markings, landscaping, erosion control, and other incidental items; all in accordance with the contract documents, including Plan File Nos. 614-070/214, located on Clark Street from Martin Luther King Jr. Parkway to 21st Street, Martin Luther King Jr. Parkway from Carpenter Avenue to Clark Street, Forest Avenue from 21st Street to 22nd Street, Carpenter Avenue from Martin Luther King Jr. Parkway to 21st Street, 27th Street from north of I-235 to School Street, School Street from 27th Street to 28th Street, 28th Street from School Street to Rutland Avenue, Rutland Avenue from 28th Street to 29th Street, north of Woodland Avenue at 22nd Street, and the 800 block of 23rd Street, all in Des Moines, Iowa

WHEREAS, notice of the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost was published as required by law.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the hearing on the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement be closed; and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved as the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement.

BE IT FURTHER RESOLVED: That sealed bids for said improvement were submitted by the following bidders:

- Synergy Contracting, LLC                      Bondurant, IA
- Jasper Construction Services, Inc.        Newton, IA

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which were received and 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 February 11, 2020. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.

BE IT FURTHER RESOLVED: That the Des Moines City Engineer, as the Engineer, has determined that the lowest responsive, responsible bid for the construction of said improvement was submitted by Synergy Contracting, LLC, Jesse Rognes, President, 1120 2nd Street NE, Bondurant, IA, 50035 in the amount of \$8,883,376.20, and said bid be and the same is hereby accepted.

BE IT FURTHER RESOLVED: That the bid security of the unsuccessful bidders be and is hereby authorized and directed to be returned in accordance with the Instructions to Bidders.

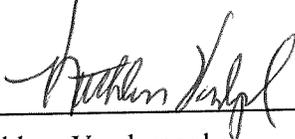
BE IT FURTHER RESOLVED: That the Engineer is hereby directed to secure execution by the lowest responsible, responsive Bidder and its surety of the contract documents in the form heretofore approved by this Council; that the Engineer is directed to thereafter present said contract documents to this Council for approval and authorization to the Mayor to sign; and that no contract shall be deemed to exist between the City of Des Moines and said Bidder until said contract has been executed by the Bidder, and shall have been approved by this Council and executed by the Mayor and attested to by the City Clerk.

BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project.

(City Council Communication Number 20-113 attached.)

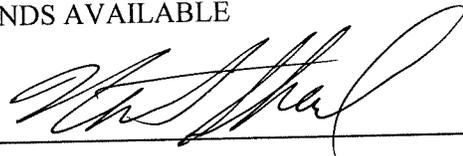
Moved by \_\_\_\_\_ to adopt.

FORM APPROVED:



Kathleen Vanderpool  
Deputy City Attorney

FUNDS AVAILABLE



Nickolas J. Schaul  
Interim Des Moines Finance Director

SLN Funding Source: 2019-2020 CIP, Page Sanitary – 7, Near West Side Sewer Separation, SS132, Being: \$8,590,496.20 in SRF funding issued; and the remaining \$292,880 from Des Moines Water Works

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

MOTION CARRIED

APPROVED

\_\_\_\_\_  
Mayor

I, P. Kay Cmelik, 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

TABULATED BY: C. Bouska APPROVED BY: *R. DeGroot*  
CHECKED BY: *Christopher Bull*

**CONTRACTOR'S BID TABULATION**  
PROJECT: NEAR WEST SIDE SEWER SEPARATION PHASE 4

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT		BID PRICE		BID PRICE	
			UNIT	PRICE	AMOUNT	PRICE	AMOUNT	UNIT	AMOUNT	
1	Clearing and Grubbing	151.1	UNIT	\$120.00	\$18,132.00	\$112.00	\$16,923.20	\$120.00	\$18,132.00	
2	Clearing and Grubbing, Area 10	1	LS	\$45,000.00	\$45,000.00	\$32,000.00	\$32,000.00	\$125,000.00	\$125,000.00	
3	Topsoil, Offsite	1200	CY	\$50.00	\$60,000.00	\$70.00	\$84,000.00	\$70.00	\$84,000.00	
4	Excavation, Class 13	4700	CY	\$25.00	\$117,500.00	\$28.00	\$131,600.00	\$32.50	\$152,750.00	
5	Excavation, Class 13, Area 10	23000	CY	\$20.00	\$460,000.00	\$25.00	\$575,000.00	\$25.00	\$575,000.00	
6	Below Grade Excavation (Core Out)	1000	CY	\$25.00	\$25,000.00	\$35.00	\$35,000.00	\$10.00	\$10,000.00	
7	Subgrade Preparation	17874	SY	\$8.00	\$142,992.00	\$8.00	\$142,992.00	\$12.00	\$214,488.00	
8	Subgrade Treatment, Geogrid, Type 2	5900	SY	\$5.00	\$29,500.00	\$4.50	\$26,550.00	\$3.00	\$17,700.00	
9	Subbase, Modified, 8"	12547	SY	\$16.00	\$200,752.00	\$21.00	\$263,487.00	\$20.00	\$250,940.00	
10	Subbase, Modified, 10"	4555	SY	\$19.00	\$86,545.00	\$25.00	\$113,875.00	\$23.00	\$104,765.00	
11	Class A Roadstone	2000	TON	\$42.00	\$84,000.00	\$35.00	\$70,000.00	\$47.50	\$95,000.00	
12	Trench Foundation	600	TON	\$30.00	\$18,000.00	\$49.00	\$29,400.00	\$15.00	\$9,000.00	
13	Imported Granular Backfill	12050	TON	\$30.00	\$361,500.00	\$28.00	\$337,400.00	\$20.00	\$241,000.00	
14	Special Pipe Support	10	EA	\$2,000.00	\$20,000.00	\$2,100.00	\$21,000.00	\$1,000.00	\$10,000.00	
15	Sanitary Sewer Gravity Main, Trenched, PVC, 10"	361	LF	\$55.00	\$19,855.00	\$175.00	\$63,175.00	\$82.00	\$29,602.00	
16	Sanitary Sewer Service Replacement	44	EA	\$4,300.00	\$189,200.00	\$4,690.00	\$206,360.00	\$4,500.00	\$198,000.00	
17	Storm Sewer, Trenched, RCP, 12"	54	LF	\$180.00	\$9,720.00	\$182.00	\$9,828.00	\$125.00	\$6,750.00	
18	Storm Sewer, Trenched, RCP, 15"	2001	LF	\$190.00	\$380,190.00	\$189.00	\$378,189.00	\$145.00	\$290,145.00	
19	Storm Sewer, Trenched, RCP, Class IV, 15"	7	LF	\$200.00	\$1,400.00	\$196.00	\$1,372.00	\$280.00	\$1,960.00	
20	Storm Sewer, Trenched, RCP, 18"	1118	LF	\$200.00	\$223,600.00	\$196.00	\$219,128.00	\$155.00	\$173,290.00	
21	Storm Sewer, Trenched, RCP, Class V, 18"	333	LF	\$205.00	\$68,265.00	\$203.00	\$67,599.00	\$200.00	\$66,600.00	
22	Storm Sewer, Trenched, RCP, 24"	1547	LF	\$210.00	\$324,870.00	\$217.00	\$335,699.00	\$155.00	\$239,785.00	
23	Storm Sewer, Trenched, RCP, 30"	36	LF	\$220.00	\$7,920.00	\$280.00	\$10,080.00	\$220.00	\$7,920.00	
24	Storm Sewer, Trenched, RCP, 36"	306	LF	\$240.00	\$73,440.00	\$287.00	\$87,822.00	\$165.00	\$50,490.00	
25	Storm Sewer, Trenched, RCP, 36"	113	LF	\$290.00	\$32,770.00	\$371.00	\$41,923.00	\$300.00	\$33,900.00	
26	Storm Sewer, Trenched, RCP, Class IV, 48"	163	LF	\$350.00	\$57,050.00	\$420.00	\$68,460.00	\$300.00	\$48,900.00	
27	Storm Sewer, Trenched, RCP, 48"	75	LF	\$400.00	\$30,000.00	\$504.00	\$37,800.00	\$400.00	\$30,000.00	
28	Storm Sewer, Trenched, RCP, Class IV, 54"	38	LF	\$500.00	\$19,000.00	\$483.00	\$18,354.00	\$500.00	\$19,000.00	
29	Storm Sewer, Trenched, RCP, Class IV, 60"	63	LF	\$600.00	\$37,800.00	\$567.00	\$35,721.00	\$550.00	\$34,650.00	
30	Storm Sewer, Trenchless, RCP, Class IV, 15"	65	LF	\$550.00	\$35,750.00	\$455.00	\$29,575.00	\$1,300.00	\$84,500.00	
31	Removal of Sewer, Less Than or Equal To 36"	700	LF	\$35.00	\$24,500.00	\$42.00	\$29,400.00	\$40.00	\$28,000.00	
32	Storm Sewer Abandonment, Plug	23	EA	\$750.00	\$17,250.00	\$1,400.00	\$32,200.00	\$800.00	\$18,400.00	
33	Pipe Apron, 12"	2	EA	\$1,800.00	\$3,600.00	\$3,500.00	\$7,000.00	\$3,300.00	\$6,600.00	
34	Pipe Apron, 18"	2	EA	\$2,200.00	\$4,400.00	\$4,340.00	\$8,680.00	\$3,400.00	\$6,800.00	
35	Pipe Apron, 24"	1	EA	\$2,500.00	\$2,500.00	\$5,180.00	\$5,180.00	\$4,500.00	\$4,500.00	
36	Subdrain, Type 1, 6"	5350	LF	\$20.00	\$107,000.00	\$27.50	\$147,125.00	\$25.00	\$133,750.00	
37	Subdrain, Type 2, 12"	655	LF	\$40.00	\$26,200.00	\$63.00	\$41,265.00	\$75.00	\$49,125.00	
38	Subdrain Cleanout, Type A-1, 6"	9	EA	\$650.00	\$5,850.00	\$1,330.00	\$11,970.00	\$1,000.00	\$9,000.00	
39	Subdrain Outlet and Connections, 6"	41	EA	\$500.00	\$20,500.00	\$840.00	\$34,440.00	\$1,000.00	\$41,000.00	
40	Subdrain Outlet and Connections, 12"	2	EA	\$700.00	\$1,400.00	\$1,820.00	\$3,640.00	\$2,500.00	\$5,000.00	
41	Water Service Replacement, Less Than or Equal to 2"	53	EA	\$5,000.00	\$265,000.00	\$4,900.00	\$259,700.00	\$4,500.00	\$238,500.00	
42	Water Service Replacement, Greater Than or Equal to 4"	1	EA	\$8,000.00	\$8,000.00	\$12,180.00	\$12,180.00	\$14,000.00	\$14,000.00	
43	Water Service Tap	53	EA	\$1,500.00	\$79,500.00	\$840.00	\$44,520.00	\$2,500.00	\$132,500.00	
44	Water Main Alteration, 6"	1	LS	\$13,000.00	\$13,000.00	\$16,800.00	\$16,800.00	\$25,000.00	\$25,000.00	
45	Water Main Alteration, Type 1, 6", Night	1	EA	\$10,000.00	\$10,000.00	\$17,500.00	\$17,500.00	\$17,000.00	\$17,000.00	
46	Water Main Alteration, Type 1, 8"	2	EA	\$8,000.00	\$16,000.00	\$14,700.00	\$29,400.00	\$14,000.00	\$28,000.00	
47	Water Main Alteration, Type 1, 8", Night	1	EA	\$12,000.00	\$12,000.00	\$18,900.00	\$18,900.00	\$19,000.00	\$19,000.00	
48	Water Main Alteration, Type 1, 10", Night	3	EA	\$15,000.00	\$45,000.00	\$21,700.00	\$65,100.00	\$16,000.00	\$48,000.00	

Synergy Contracting, LLC  
Bondurant, IA

BID SECURITY  
10% Bid Bond

BID PRICE

Jasper Construction  
Services, Inc.  
Newton, IA

BID SECURITY  
10% Bid Bond

BID PRICE

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ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
49	Water Main Alteration, Type 1, 12"	1 EA	\$10,000.00	\$10,000.00	\$21,700.00	\$21,700.00	\$19,000.00	\$19,000.00
50	Water Main Alteration, Type 3, 12"	3 EA	\$14,000.00	\$42,000.00	\$29,400.00	\$88,200.00	\$14,000.00	\$42,000.00
51	Remove and Replace Hydrant	4 EA	\$7,000.00	\$28,000.00	\$8,820.00	\$35,280.00	\$17,000.00	\$68,000.00
52	Manhole, Type SW-301, 48"	2 EA	\$6,000.00	\$12,000.00	\$6,580.00	\$13,160.00	\$4,000.00	\$8,000.00
53	Manhole, Type SW-303, 48"	2 EA	\$6,500.00	\$13,000.00	\$6,860.00	\$13,720.00	\$12,000.00	\$24,000.00
54	Manhole, Type SW-401, 48"	7 EA	\$6,000.00	\$42,000.00	\$6,860.00	\$48,020.00	\$6,000.00	\$42,000.00
55	Manhole, Type SW-401, 60"	7 EA	\$7,500.00	\$52,500.00	\$8,960.00	\$62,720.00	\$8,000.00	\$56,000.00
56	Manhole, Type SW-401, 96"	1 EA	\$20,000.00	\$20,000.00	\$16,800.00	\$16,800.00	\$14,000.00	\$14,000.00
57	Manhole, Type SW-403, 4'x7'	1 EA	\$20,000.00	\$20,000.00	\$23,800.00	\$23,800.00	\$23,500.00	\$23,500.00
58	Manhole, Type SW-404, 4'x8', Modified	1 EA	\$30,000.00	\$30,000.00	\$54,600.00	\$54,600.00	\$81,000.00	\$81,000.00
59	Manhole, Type SW-404, 6'x7'	1 EA	\$25,000.00	\$25,000.00	\$34,300.00	\$34,300.00	\$41,500.00	\$41,500.00
60	Manhole, Type SW-404, 7'x9'	1 EA	\$25,000.00	\$25,000.00	\$39,200.00	\$39,200.00	\$42,500.00	\$42,500.00
61	Manhole, Type SW-404, 8'x9'	1 EA	\$30,000.00	\$30,000.00	\$39,480.00	\$39,480.00	\$42,500.00	\$42,500.00
62	Intake, Type SW-501	2 EA	\$4,000.00	\$8,000.00	\$6,300.00	\$12,600.00	\$5,500.00	\$11,000.00
63	Intake, Type SW-505	24 EA	\$7,500.00	\$180,000.00	\$10,500.00	\$252,000.00	\$8,600.00	\$206,400.00
64	Intake, Type SW-506	4 EA	\$8,500.00	\$34,000.00	\$13,020.00	\$52,080.00	\$10,850.00	\$43,400.00
65	Intake, Type SW-506 Modified	1 EA	\$12,500.00	\$12,500.00	\$15,820.00	\$15,820.00	\$13,900.00	\$13,900.00
66	Intake, Type SW-509	4 EA	\$9,000.00	\$36,000.00	\$11,620.00	\$46,480.00	\$12,200.00	\$48,800.00
67	Intake, Type SW-512, 24"	1 EA	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$4,500.00	\$4,500.00
68	Intake, Type SW-513, 5'x5'	1 EA	\$8,500.00	\$8,500.00	\$21,420.00	\$21,420.00	\$24,000.00	\$24,000.00
69	Intake, Type SW-541 with SW-542 Extension	10 EA	\$12,000.00	\$120,000.00	\$20,020.00	\$200,200.00	\$19,250.00	\$192,500.00
70	Intake, Inline Drain, PVC, 18"	6 EA	\$3,000.00	\$18,000.00	\$2,380.00	\$14,280.00	\$3,500.00	\$21,000.00
71	Intake, Dry Filter Box	6 EA	\$3,000.00	\$18,000.00	\$7,000.00	\$42,000.00	\$3,500.00	\$21,000.00
72	Manhole Adjustment, Minor	15 EA	\$2,500.00	\$37,500.00	\$1,820.00	\$27,300.00	\$2,500.00	\$37,500.00
73	Connection to Existing	15 EA	\$3,200.00	\$48,000.00	\$4,900.00	\$73,500.00	\$3,300.00	\$49,500.00
74	Remove Sewer Structure	37 EA	\$1,500.00	\$55,500.00	\$700.00	\$25,900.00	\$2,000.00	\$74,000.00
75	Curb and Gutter, 2.5', 6"	6518 LF	\$55.00	\$358,490.00	\$25.00	\$162,950.00	\$55.00	\$358,490.00
76	Pavement, HMA HT Base, 1" Mix, PG 58-28 S	868 TON	\$120.00	\$104,160.00	\$84.00	\$72,912.00	\$93.00	\$80,724.00
77	Pavement, HMA ST Base, 3/4" Mix, PG 58-28 S	2255 TON	\$120.00	\$270,600.00	\$84.00	\$189,420.00	\$93.00	\$209,715.00
78	Pavement, HMA HT Intermediate, 3/4" Mix, PG 58-28 S	440 TON	\$120.00	\$52,800.00	\$84.00	\$36,960.00	\$93.00	\$40,920.00
79	Pavement, HMA HT Surface, 1/2" Mix, No Fric., PG 58-28 V	661 TON	\$120.00	\$79,320.00	\$84.00	\$55,524.00	\$93.00	\$61,473.00
80	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 H	2040 TON	\$120.00	\$244,800.00	\$84.00	\$171,360.00	\$93.00	\$189,720.00
81	HMA Pavement Samples and Testing	1 LS	\$4,000.00	\$4,000.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00
82	Removal of Sidewalk	1820 SY	\$15.00	\$27,300.00	\$14.00	\$25,480.00	\$20.00	\$36,400.00
83	Removal of Driveway	1100 SY	\$15.00	\$16,500.00	\$14.00	\$15,400.00	\$20.00	\$22,000.00
84	Sidewalk, PCC, 4"	626 SY	\$65.00	\$40,690.00	\$56.00	\$35,056.00	\$80.00	\$50,080.00
85	Sidewalk, PCC, 5"	630 SY	\$70.00	\$44,100.00	\$63.00	\$39,690.00	\$82.50	\$51,975.00
86	Sidewalk, PCC, 6"	368 SY	\$90.00	\$33,120.00	\$70.00	\$25,760.00	\$85.00	\$31,280.00
87	Detectable Warning	480 SF	\$55.00	\$26,400.00	\$63.00	\$30,240.00	\$60.00	\$28,800.00
88	Driveway, Paved, PCC, 7"	1155 SY	\$80.00	\$92,400.00	\$77.00	\$88,935.00	\$87.50	\$101,062.50
89	Full Depth Patch, PCC, 9"	27 SY	\$160.00	\$4,320.00	\$140.00	\$3,780.00	\$165.00	\$4,455.00
90	Full Depth Patch, Composite	19 SY	\$300.00	\$5,700.00	\$399.00	\$7,581.00	\$375.00	\$7,125.00
91	Milling	1800 SY	\$25.00	\$45,000.00	\$7.00	\$12,600.00	\$4.25	\$7,650.00
92	Pavement Removal	15800 SY	\$15.00	\$237,000.00	\$28.00	\$442,400.00	\$24.50	\$387,100.00
93	Steel Rail Track Removal	450 LF	\$45.00	\$20,250.00	\$28.00	\$12,600.00	\$45.00	\$20,250.00
94	Inductive Loop Vehicle Detector	5 EA	\$1,200.00	\$6,000.00	\$2,310.00	\$11,550.00	\$1,815.00	\$9,075.00
95	Painted Pavement Markings, Solvent/Waterborne	50 STA	\$150.00	\$7,500.00	\$196.00	\$9,800.00	\$154.00	\$7,700.00
96	Temporary Traffic Control	1 LS	\$100,000.00	\$100,000.00	\$137,500.00	\$137,500.00	\$175,000.00	\$175,000.00
97	Signs, Construction	17 EA	\$300.00	\$5,100.00	\$210.00	\$3,570.00	\$200.00	\$3,400.00
98	Flaggers, Certified	30 EA	\$480.00	\$14,400.00	\$480.00	\$14,400.00	\$480.00	\$14,400.00
99	Remove, Store, and Reinstall Sign	28 EA	\$250.00	\$7,000.00	\$350.00	\$9,800.00	\$275.00	\$7,700.00
100	Perforated Square Steel Tube Sign Posts	28 EA	\$200.00	\$5,600.00	\$280.00	\$7,840.00	\$220.00	\$6,160.00
101	Conventional Seeding, Wetland Seed	0.5 AC	\$10,000.00	\$5,000.00	\$10,500.00	\$5,250.00	\$5,000.00	\$2,500.00
102	Hydraulic Seeding, Type 1	1.1 AC	\$8,000.00	\$8,800.00	\$9,100.00	\$10,010.00	\$4,800.00	\$5,280.00
103	Hydraulic Seeding, Type 2	2.3 AC	\$7,000.00	\$16,100.00	\$7,700.00	\$17,710.00	\$4,400.00	\$10,120.00
104	Trees, With Warranty	12 EA	\$900.00	\$10,800.00	\$1,400.00	\$16,800.00	\$400.00	\$4,800.00
105	Plants, Bio-Filtration System, With Warranty	1 LS	\$12,000.00	\$12,000.00	\$16,800.00	\$16,800.00	\$21,000.00	\$21,000.00
106	Plants, Pump Station, With Warranty	1 LS	\$3,500.00	\$3,500.00	\$5,600.00	\$5,600.00	\$3,500.00	\$3,500.00
107	Stormwater Pollution Prevention	1 LS	\$15,000.00	\$15,000.00	\$33,600.00	\$33,600.00	\$29,300.00	\$29,300.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
108	Temporary RECP, Type 2	4200 SY	\$3.00	\$12,600.00	\$7.00	\$29,400.00	\$1.40	\$5,880.00
109	Erosion Stone	5 TON	\$250.00	\$1,250.00	\$140.00	\$700.00	\$250.00	\$1,250.00
110	Rip Rap, Class D	200 TON	\$90.00	\$18,000.00	\$105.00	\$21,000.00	\$75.00	\$15,000.00
111	Erosion Control Mulching, Hydromulching	3.9 AC	\$6,000.00	\$23,400.00	\$5,040.00	\$19,656.00	\$3,050.00	\$11,895.00
112	Inlet Protection Device	54 EA	\$180.00	\$9,720.00	\$420.00	\$22,680.00	\$165.00	\$8,910.00
113	Inlet Protection Device, Maintenance	54 EA	\$45.00	\$2,430.00	\$140.00	\$7,560.00	\$35.00	\$1,890.00
114	Modular Bio-Filtration System	1200 SF	\$185.00	\$222,000.00	\$140.00	\$168,000.00	\$190.00	\$228,000.00
115	Linear Erosion Control	1000 LF	\$3.00	\$3,000.00	\$7.00	\$7,000.00	\$2.25	\$2,250.00
116	Linear Erosion Control, Removal	1000 LF	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$0.75	\$750.00
117	Tree Protection Fence	320 LF	\$4.50	\$1,440.00	\$7.00	\$2,240.00	\$3.25	\$1,040.00
118	Tree Trimming	2 EA	\$800.00	\$1,600.00	\$700.00	\$1,400.00	\$1,000.00	\$2,000.00
119	Chain Link Fence, Black Vinyl, 48"	470 LF	\$35.00	\$16,450.00	\$16.00	\$7,520.00	\$17.50	\$8,225.00
120	Chain Link Fence, Black Vinyl, 72"	350 LF	\$55.00	\$19,250.00	\$19.00	\$6,650.00	\$21.00	\$7,350.00
121	Removal and Reinstallation of Existing Fence	160 LF	\$35.00	\$5,600.00	\$22.00	\$3,520.00	\$24.00	\$3,840.00
122	Mobilization	1 LS	\$644,059.00	\$644,059.00	\$805,000.00	\$805,000.00	\$883,200.00	\$883,200.00
123	Maintenance of Postal Service	1 LS	\$7,000.00	\$7,000.00	\$11,200.00	\$11,200.00	\$15,000.00	\$15,000.00
124	Maintenance of Solid Waste Collection	1 LS	\$8,500.00	\$8,500.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00
125	Concrete Washout	1 LS	\$4,000.00	\$4,000.00	\$5,600.00	\$5,600.00	\$12,500.00	\$12,500.00
126	Pump Station	1 LS	\$423,000.00	\$423,000.00	\$466,000.00	\$466,000.00	\$670,000.00	\$670,000.00
TOTAL CONSTRUCTION COST					\$8,120,000.00		\$8,883,376.20	\$9,182,576.50
PERCENT OF ENGINEER'S ESTIMATE							+9.40%	+13.09%
						Low		