



Roll Call Number

Agenda Item Number

60

DATE December 12, 2022

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON DES MOINES LEVEE ALTERATIONS - PHASE C; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS PETERSON CONTRACTORS, INC., CORDELL PETERSON, PRESIDENT, \$17,388,129.50

WHEREAS, on October 24, 2022, under Roll Call No. 22-1607, 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:

Des Moines Levee Alterations - Phase C, 082020006

The improvement includes earthen levee raise and widening, earthwork, excavation, clearing, revetment, sheet piling, gatewell raise, sewer pipe and repair, seepage relief pipe, swing gates, articulated concrete block, utility abandonment, rain garden, Portland Cement Concrete (PCC) pavement, Hot Mix Asphalt (HMA) pavement, light pole relocation, erosion control, seeding, other incidental items and miscellaneous associated work including cleanup; all in accordance with the contract documents, including Plan File No. 638-222/388, with improvements located along the Des Moines River from the confluence of the Raccoon River to S.E. 14th Street, 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.

WHEREAS, in accordance with said notice, those interested in said proposed plans, specifications, form of contract documents, and Engineer's estimate of construction cost both for and against, have been given opportunity to be heard with respect thereto and have presented their views to the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DES MOINES, IOWA: That the upon due consideration of the facts, and any and all statements of interested persons, any objections to the plans, specifications, form of contract documents, and Engineer's estimate of construction cost for said improvement are overruled and the hearing is closed and that said plans, specifications, form of contract documents, and Engineer's estimate of construction cost are hereby approved.

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

- Peterson Contractors, Inc., Reinbeck, IA - Low Bid
- Reilly Construction Co., Inc. , Ossian, IA
- S. M. Hentges & Sons Inc., Jordan, MN
- Legacy Corporation of IL, East Moline, IL
- C. J. Moyna & Sons, Inc., Elkader, IA

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 November 22, 2022. Said bids and the attached tabulation of bids for said improvement be and are hereby received and filed.



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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 Peterson Contractors, Inc., Cordell Peterson, President, 104 Blackhawk Street, Reinbeck, IA, 50669-1012 in the amount of \$17,388,129.50, 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 closure of all public grounds, streets, sidewalks, alleys, bridges, culverts, overpasses, underpasses, grade crossing separations and approaches, public ways, squares, and commons for the Project.

(City Council Communication Number 22.572 attached)

Moved by _____ to adopt. Second by _____

FORM APPROVED:

FUNDS AVAILABLE

s/ Kathleen Vanderpool

Kathleen Vanderpool
Deputy City Attorney

Nickolas J. Schaul
Director of Finance



Funding Source: 2022-23 CIP, Page 106, Flood Mitigation Improvements, SM087, Being:
Storm Water Utility Funds and Flood Mitigation Sales Tax



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

I, Laura Baumgartner, 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.

MOTION CARRIED APPROVED

Mayor

City Clerk

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TABULATED BY: N. Smith APPROVED BY C. Bouska
CHECKED BY: _____

CONTRACTOR'S BID TABULATION
PROJECT: DES MOINES LEVEE ALTERATIONS - PHASE C

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT		Peterson Contractors, Inc Reinbeck, IA		Reilly Construction Co., Inc. Ossian, IA		S.M. Hentges & Sons, Inc. Jordan, MN	
			PRICE	AMOUNT	BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE	BID SECURITY 10% Bid Bond	BID PRICE
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	CLEARING & GRUBBING	1 LS	\$50,000.00	\$50,000.00	\$90,000.00	\$90,000.00	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
2	TOPSOIL, ON-SITE	15100 CY	\$17.00	\$256,700.00	\$7.15	\$107,965.00	\$15.00	\$226,500.00	\$27.50	\$415,250.00
3	TOPSOIL, OFF-SITE (IMPORT)	2300 CY	\$25.00	\$57,500.00	\$49.15	\$113,045.00	\$35.00	\$80,500.00	\$41.00	\$94,300.00
4	EXCAVATION, CLASS 10 (IMPERVIOUS LEVEE FILL FROM AIRPORT, IMPORT)	56600 CY	\$21.00	\$1,188,600.00	\$24.80	\$1,403,680.00	\$24.00	\$1,358,400.00	\$24.00	\$1,358,400.00
5	EXCAVATION, CLASS 10 (PERVIOUS LEVEE FILL)	35000 CY	\$16.00	\$560,000.00	\$15.00	\$525,000.00	\$24.00	\$840,000.00	\$22.00	\$770,000.00
6	EXCAVATION, CLASS 10 (EXPLORATION TRENCH, EXPORT MATERIAL W/OUT DEBRIS OR CONTAMINATION OFF SITE)	9700 CY	\$16.00	\$155,200.00	\$6.00	\$58,200.00	\$24.00	\$232,800.00	\$19.00	\$184,300.00
7	EXCAVATION, CLASS 10 (COMPENSATORY STORAGE AREA, EXPORT SUITABLE MATERIAL W/OUT DEBRIS OR CONTAMINATION OFF-SITE)	6630 CY	\$16.00	\$106,080.00	\$13.15	\$87,184.50	\$24.00	\$159,120.00	\$18.25	\$120,997.50
8	EXPORT (UNACCEPTABLE DEBRIS, UNSUITABLE MATERIAL TO LANDFILL)	23000 TON	\$22.00	\$506,000.00	\$29.00	\$667,000.00	\$22.00	\$506,000.00	\$58.00	\$1,334,000.00
9	EXPORT (CONTAMINATED LEAD, PETRO, ETC. UNSUITABLE MATERIAL TO LANDFILL)	4000 TON	\$25.00	\$100,000.00	\$30.00	\$120,000.00	\$30.00	\$120,000.00	\$73.00	\$292,000.00
10	EXPLORATORY EXCAVATION (UTILITY POTHOLING)	88 HOURS	\$500.00	\$44,000.00	\$505.00	\$44,440.00	\$550.00	\$48,400.00	\$1,215.00	\$106,920.00
11	SUBGRADE PREPARATION	2730 SY	\$7.50	\$20,475.00	\$2.20	\$6,006.00	\$5.00	\$13,650.00	\$12.50	\$34,125.00
12	MODIFIED SUBBASE, 4" DEPTH	810 SY	\$13.00	\$10,530.00	\$10.00	\$8,100.00	\$12.00	\$9,720.00	\$12.00	\$9,720.00
13	MODIFIED SUBBASE, 6" DEPTH	1920 SY	\$15.00	\$28,800.00	\$12.65	\$24,288.00	\$18.00	\$34,560.00	\$15.00	\$28,800.00
14	TRENCH FOUNDATION	40 TON	\$55.00	\$2,200.00	\$100.00	\$4,000.00	\$75.00	\$3,000.00	\$43.00	\$1,720.00
15	ENGINEERED BACKFILL	20 CY	\$60.00	\$1,200.00	\$150.00	\$3,000.00	\$30.00	\$600.00	\$19.00	\$380.00
16	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL, CLASS II MATERIALS (AT UTILITY TRENCHES)	60 CY	\$50.00	\$3,000.00	\$125.00	\$7,500.00	\$30.00	\$1,800.00	\$70.00	\$4,200.00
17	SANITARY SEWER ABANDONMENT, FILL AND PLUG (STA 186+25, 12")	100 LF	\$300.00	\$30,000.00	\$950.00	\$95,000.00	\$260.00	\$26,000.00	\$75.00	\$7,500.00
18	SANITARY SEWER ABANDONMENT, FILL AND PLUG (STA 196+45, 36")	55 LF	\$900.00	\$49,500.00	\$1,750.00	\$96,250.00	\$450.00	\$24,750.00	\$167.00	\$9,185.00
19	SANITARY SIPHON SEWER ABANDONMENT, FILL AND PLUG 60 LF ON NORTH BANK (STA 179+00, 36")	1 LS	\$90,000.00	\$90,000.00	\$430,000.00	\$430,000.00	\$55,000.00	\$55,000.00	\$15,000.00	\$15,000.00
20	SANITARY SIPHON SEWER ABANDONMENT, FILL AND PLUG 60LF ON SOUTH BANK (STA 534+00, 36")	1 LS	\$40,000.00	\$40,000.00	\$330,000.00	\$330,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00
21	SANITARY SEWER ABANDONMENT, FILL AND PLUG (STA 175+60, 5'x5' box culvert)	75 LF	\$3,000.00	\$225,000.00	\$3,000.00	\$225,000.00	\$750.00	\$56,250.00	\$390.00	\$29,250.00
22	GAS ABANDONMENT, FILL AND PLUG (STA 176+00, 10")	110 LF	\$175.00	\$19,250.00	\$300.00	\$33,000.00	\$150.00	\$16,500.00	\$83.00	\$9,130.00
23	GAS ABANDONMENT, FILL AND PLUG (STA 533+50, 8")	135 LF	\$175.00	\$23,625.00	\$300.00	\$40,500.00	\$150.00	\$20,250.00	\$67.00	\$9,045.00
24	GAS ABANDONMENT, FILL AND PLUG (STA 533+50, 10")	135 LF	\$175.00	\$23,625.00	\$300.00	\$40,500.00	\$150.00	\$20,250.00	\$68.00	\$9,180.00
25	WATER ABANDONMENT, FILL AND PLUG (STA 533+00, 175+50, 12")	250 LF	\$200.00	\$50,000.00	\$300.00	\$75,000.00	\$150.00	\$37,500.00	\$46.00	\$11,500.00
26	WATER ABANDONMENT, FILL AND PLUG (STA 533+50, 12")	135 LF	\$200.00	\$27,000.00	\$300.00	\$40,500.00	\$150.00	\$20,250.00	\$69.00	\$9,315.00
27	STORM SEWER ABANDONMENT, FILL AND PLUG (STA 201+75, 24")	175 LF	\$500.00	\$87,500.00	\$550.00	\$96,250.00	\$150.00	\$26,250.00	\$78.00	\$13,650.00
28	STORM SEWER ABANDONMENT, FILL AND PLUG (STA 533+50, 18")	30 LF	\$350.00	\$10,500.00	\$400.00	\$12,000.00	\$200.00	\$6,000.00	\$259.00	\$7,770.00
29	STORM SEWER GROUT LEAKING JOINT, 72" X 72" RCB BOX, STA 577+00	1 EACH	\$8,000.00	\$8,000.00	\$35,000.00	\$35,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00
30	STORM SEWER GATEWELL ABANDONMENT, FILL AND PLUG (GATEWELL #409)	1 EACH	\$10,000.00	\$10,000.00	\$90,000.00	\$90,000.00	\$6,500.00	\$6,500.00	\$8,000.00	\$8,000.00
31	PIPE ABANDONMENT, FILL AND PLUG (VARIOUS TYPES_SIZES_)	20 CY	\$250.00	\$5,000.00	\$3,000.00	\$60,000.00	\$275.00	\$5,500.00	\$2,000.00	\$40,000.00
32	STORM SEWER, TRENCHED (RCP CLASS 5, STA 518+25 AT CLAY AVENUE, 12")	622 LF	\$165.00	\$102,630.00	\$200.00	\$124,400.00	\$155.00	\$96,410.00	\$164.00	\$102,008.00
33	STORM SEWER POINT REPAIR, RCP CLASS 3, 15"; STA. 518+25	1 LS	\$13,000.00	\$13,000.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00	\$15,950.00	\$15,950.00
34	STORM SEWER POINT REPAIR, RCP CLASS 3, 18"; STA. 518+25	1 LS	\$13,000.00	\$13,000.00	\$26,000.00	\$26,000.00	\$10,000.00	\$10,000.00	\$16,100.00	\$16,100.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
35	PIPE CULVERT, TRENCHED, RCP, 12"	70 LF	\$250.00	\$17,500.00	\$400.00	\$28,000.00	\$175.00	\$12,250.00	\$131.00	\$9,170.00
36	PIPE APRON, TYPE 2 CIRCULAR CONCRETE, 12"	4 EACH	\$5,000.00	\$20,000.00	\$5,000.00	\$20,000.00	\$2,500.00	\$10,000.00	\$2,735.00	\$10,940.00
37	SPIN CAST PIPE REHABILITATION, LRCP SANITARY, 48" DIA STA. 533+00	220 LF	\$550.00	\$121,000.00	\$2,500.00	\$550,000.00	\$1,200.00	\$264,000.00	\$1,330.00	\$292,600.00
38	RELOCATE HYDRANT ASSEMBLY; STA 175+75	1 LS	\$14,000.00	\$14,000.00	\$30,000.00	\$30,000.00	\$15,000.00	\$15,000.00	\$8,775.00	\$8,775.00
39	RELOCATE YARD HYDRANT ASSEMBLIES; STA. 188+00 AT EAGLE VIEW APARTMENTS	1 LS	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
40	MANHOLE, STORM SEWER (LEVEE SEEPAGE RELIEF), SUDAS SW-401, 48"	5 EACH	\$7,000.00	\$35,000.00	\$9,500.00	\$47,500.00	\$6,500.00	\$32,500.00	\$6,250.00	\$31,250.00
41	MANHOLE, STORM SEWER (LEVEE SEEPAGE RELIEF), SUDAS SW-401, 60"	2 EACH	\$9,000.00	\$18,000.00	\$11,000.00	\$22,000.00	\$8,500.00	\$17,000.00	\$7,200.00	\$14,400.00
42	MANHOLE, STORM SEWER, SUDAS SW-512 CATCH BASIN INLET	1 EACH	\$3,500.00	\$3,500.00	\$6,500.00	\$6,500.00	\$4,000.00	\$4,000.00	\$5,050.00	\$5,050.00
43	MANHOLE, STORM SEWER, 96" DIA. SUDAS SW-401	1 EACH	\$20,000.00	\$20,000.00	\$43,000.00	\$43,000.00	\$35,000.00	\$35,000.00	\$23,150.00	\$23,150.00
44	CONCRETE COLLARS AT MANHOLE-SEWER CONNECTION	2 EACH	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$2,500.00	\$5,000.00	\$3,500.00	\$7,000.00
45	MANHOLE ADJUSTMENT, MINOR W/ REINFORCED CONCRETE DIAMOND PAVING PATCH	2 EACH	\$3,500.00	\$7,000.00	\$5,000.00	\$10,000.00	\$3,500.00	\$7,000.00	\$5,350.00	\$10,700.00
46	CONNECT TO MANHOLE	12 EACH	\$3,200.00	\$38,400.00	\$8,500.00	\$102,000.00	\$3,500.00	\$42,000.00	\$3,500.00	\$42,000.00
47	CURB AND GUTTER, 2' WIDE 6" STANDARD CURB	17 LF	\$120.00	\$2,040.00	\$69.00	\$1,173.00	\$72.00	\$1,224.00	\$49.00	\$833.00
48	BEAM CURB, PCC, 6" HEIGHT	157 LF	\$110.00	\$17,270.00	\$70.00	\$10,990.00	\$73.00	\$11,461.00	\$76.00	\$11,932.00
49	HMA PAVEMENT (CLAY AVENUE)	225 TON	\$130.00	\$29,250.00	\$162.00	\$36,450.00	\$150.00	\$33,750.00	\$135.00	\$30,375.00
50	REMOVAL OF SIDEWALK	720 SY	\$11.00	\$7,920.00	\$10.00	\$7,200.00	\$12.00	\$8,640.00	\$4.50	\$3,240.00
51	REMOVAL OF SHARED USE PATH (TRAIL)	10830 SY	\$10.00	\$108,300.00	\$6.55	\$70,936.50	\$12.00	\$129,960.00	\$3.30	\$35,739.00
52	REMOVAL OF PAVEMENT, HMA BITUMINOUS SURFACING (CLAY AVENUE)	1000 SY	\$11.00	\$11,000.00	\$6.50	\$6,500.00	\$12.00	\$12,000.00	\$5.00	\$5,000.00
53	REMOVAL OF DRIVEWAY, GRANULAR SURFACING	2190 SY	\$8.00	\$17,520.00	\$4.25	\$9,307.50	\$5.00	\$10,950.00	\$2.35	\$5,146.50
54	REMOVAL OF DRIVEWAY, PCC	1680 SY	\$11.00	\$18,480.00	\$7.25	\$12,180.00	\$12.00	\$20,160.00	\$3.90	\$6,552.00
55	SHARED USE PATH, HMA, 6 IN., STANDARD TRAFFIC	12000 SY	\$54.00	\$648,000.00	\$48.00	\$576,000.00	\$44.00	\$528,000.00	\$40.00	\$480,000.00
56	TEMPORARY SHARED USE TRAIL	1000 SY	\$54.00	\$54,000.00	\$58.55	\$58,550.00	\$35.00	\$35,000.00	\$30.00	\$30,000.00
57	SIDEWALK, PCC, 5"	315 SY	\$65.00	\$20,475.00	\$70.00	\$22,050.00	\$75.00	\$23,625.00	\$102.00	\$32,130.00
58	DETECTABLE WARNING	185 SF	\$65.00	\$12,025.00	\$45.00	\$8,325.00	\$50.00	\$9,250.00	\$51.00	\$9,435.00
59	DRIVEWAY, PCC, 6"	861 SY	\$80.00	\$68,880.00	\$75.00	\$64,575.00	\$80.00	\$68,880.00	\$82.00	\$70,602.00
60	DRIVEWAY, PCC, 8"	551 SY	\$110.00	\$60,610.00	\$95.00	\$52,345.00	\$100.00	\$55,100.00	\$110.00	\$60,610.00
61	DRIVEWAY, GRANULAR SURFACING, 6" (LEVEE ACCESS RAMPS)	400 SY	\$20.00	\$8,000.00	\$14.30	\$5,720.00	\$20.00	\$8,000.00	\$16.00	\$6,400.00
62	DRIVEWAY, GRANULAR SURFACING, 12"	692 SY	\$40.00	\$27,680.00	\$28.00	\$19,376.00	\$35.00	\$24,220.00	\$35.50	\$24,566.00
63	CURB & GUTTER REMOVAL	510 LF	\$13.00	\$6,630.00	\$23.00	\$11,730.00	\$10.00	\$5,100.00	\$3.65	\$1,861.50
64	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	300 LF	\$25.00	\$7,500.00	\$25.00	\$7,500.00	\$27.50	\$8,250.00	\$25.50	\$7,650.00
65	PAINTED SYMBOLS AND LEGENDS	32 EACH	\$200.00	\$6,400.00	\$110.00	\$3,520.00	\$120.00	\$3,840.00	\$112.00	\$3,584.00
66	GROOVES CUT FOR SYMBOLS AND LEGENDS	32 EACH	\$200.00	\$6,400.00	\$110.00	\$3,520.00	\$120.00	\$3,840.00	\$112.00	\$3,584.00
67	TEMPORARY TRAFFIC CONTROL	1 LS	\$120,000.00	\$120,000.00	\$133,600.00	\$133,600.00	\$100,000.00	\$100,000.00	\$60,000.00	\$60,000.00
68	SPECIAL SIGNAGE	23 EACH	\$350.00	\$8,050.00	\$250.00	\$5,750.00	\$220.00	\$5,060.00	\$205.00	\$4,715.00
69	FILTER SOCK, INSTALLATION, MAINTENANCE, AND REMOVAL	3000 LF	\$4.00	\$12,000.00	\$2.50	\$7,500.00	\$2.75	\$8,250.00	\$2.55	\$7,650.00
70	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP, TYPE 2 OR TYPE 3, 100% BIODEGRADABLE)	6000 SY	\$5.00	\$30,000.00	\$1.44	\$8,640.00	\$1.50	\$9,000.00	\$1.50	\$9,000.00
71	TEMPORARY EARTH DIVERSION STRUCTURE, ALL TYPES, 18" HEIGHT	400 LF	\$40.00	\$16,000.00	\$26.00	\$10,400.00	\$150.00	\$60,000.00	\$5.55	\$2,220.00
72	RIP RAP, CLASS B	7510 TON	\$73.00	\$548,230.00	\$74.15	\$556,866.50	\$100.00	\$751,000.00	\$66.00	\$495,660.00
73	RIP RAP, CLASS E	20086 TON	\$73.00	\$1,466,278.00	\$69.00	\$1,385,934.00	\$100.00	\$2,008,600.00	\$68.75	\$1,380,912.50
74	RIP RAP REMOVE	5900 TON	\$40.00	\$236,000.00	\$18.50	\$109,150.00	\$40.00	\$236,000.00	\$12.75	\$75,225.00
75	SILT FENCE, INSTALLATION, MAINTENANCE, AND REMOVAL	15000 LF	\$4.00	\$60,000.00	\$1.85	\$27,750.00	\$1.75	\$26,250.00	\$1.70	\$25,500.00
76	STABILIZED CONSTRUCTION ENTRANCE	1960 SY	\$40.00	\$78,400.00	\$36.00	\$70,560.00	\$25.00	\$49,000.00	\$20.00	\$39,200.00
77	DUST CONTROL, WATER	200 MGAL	\$110.00	\$22,000.00	\$125.00	\$25,000.00	\$40.00	\$8,000.00	\$75.00	\$15,000.00
78	INLET PROTECTION DEVICE, DROP-IN INTAKE PROTECTION	2 EACH	\$500.00	\$1,000.00	\$190.00	\$380.00	\$200.00	\$400.00	\$195.00	\$390.00
79	INLET PROTECTION DEVICE, SURFACE-APPLIED INTAKE PROTECTION	6 EACH	\$500.00	\$3,000.00	\$75.00	\$450.00	\$80.00	\$480.00	\$77.00	\$462.00
80	INLET PROTECTION DEVICE, MAINTENANCE	8 EACH	\$200.00	\$1,600.00	\$20.00	\$160.00	\$25.00	\$200.00	\$21.00	\$168.00
81	TEMPORARY CHAIN LINK FENCE, 5'	1200 LF	\$22.00	\$26,400.00	\$7.15	\$8,580.00	\$8.00	\$9,600.00	\$12.50	\$15,000.00
82	REMOVAL & REINSTALLATION OF EXISTING FENCE, CHAIN LINK, 6' HEIGHT	530 LF	\$50.00	\$26,500.00	\$34.00	\$18,020.00	\$36.75	\$19,477.50	\$16.00	\$8,480.00
83	REMOVAL OF EXISTING FENCE, CHAIN LINK, 4' HEIGHT	810 LF	\$6.00	\$4,860.00	\$4.00	\$3,240.00	\$4.00	\$3,240.00	\$3.10	\$2,511.00
84	TEMPORARY FENCE, CONSTRUCTION, ORANGE WARNING 3'-5'	4000 LF	\$5.00	\$20,000.00	\$6.00	\$24,000.00	\$5.00	\$20,000.00	\$3.10	\$12,400.00

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
85	DEMOLITION WORK, REMOVAL OF RAILROAD BRIDGE ABUTMENT NEAR EAGLEVIEW LOFTS	1 LS	\$25,000.00	\$25,000.00	\$25,500.00	\$25,500.00	\$50,000.00	\$50,000.00	\$15,000.00	\$15,000.00
86	REMOVE AND RELOCATE EXISTING SIGN	5 EACH	\$600.00	\$3,000.00	\$450.00	\$2,250.00	\$500.00	\$2,500.00	\$460.00	\$2,300.00
87	REMOVE SALVAGE AND STOCKPILE GARDEN PLANTERS, HYDRANTS & IRRIGATION	1 LS	\$15,000.00	\$15,000.00	\$5,265.00	\$5,265.00	\$25,000.00	\$25,000.00	\$5,000.00	\$5,000.00
88	REMOVE GUARD RAIL AND SIGN	20 LF	\$100.00	\$2,000.00	\$29.00	\$580.00	\$55.00	\$1,100.00	\$12.50	\$250.00
89	REMOVE AND RELOCATE CONCRETE PAD	3 EACH	\$1,200.00	\$3,600.00	\$1,495.00	\$4,485.00	\$2,000.00	\$6,000.00	\$680.00	\$2,040.00
90	REMOVE AND DISPOSE DEBRIS (FROM PIPES AND GATEWELLS)	110 TON	\$110.00	\$12,100.00	\$140.00	\$15,400.00	\$125.00	\$13,750.00	\$61.00	\$6,710.00
91	REMOVE AND DISPOSE DEBRIS (CONTAMINATED FROM PIPES AND GATEWELLS)	55 TON	\$125.00	\$6,875.00	\$215.00	\$11,825.00	\$150.00	\$8,250.00	\$75.00	\$4,125.00
92	REMOVE AND DISPOSE MISC DEBRIS	150 TON	\$110.00	\$16,500.00	\$140.00	\$21,000.00	\$125.00	\$18,750.00	\$61.00	\$9,150.00
93	CONSTRUCTION SURVEY AND AS-BUILT SURVEY	1 LS	\$80,000.00	\$80,000.00	\$97,000.00	\$97,000.00	\$100,000.00	\$100,000.00	\$67,320.00	\$67,320.00
94	MOBILIZATION	1 LS	\$1,012,577.00	\$1,012,577.00	\$868,000.00	\$868,000.00	\$900,000.00	\$900,000.00	\$654,478.71	\$654,478.71
95	CONCRETE WASHOUT	1 LS	\$6,000.00	\$6,000.00	\$2,100.00	\$2,100.00	\$5,000.00	\$5,000.00	\$765.00	\$765.00
96	TREE PROTECTION FENCE	1410 LF	\$5.50	\$7,755.00	\$3.25	\$4,582.50	\$5.00	\$7,050.00	\$3.10	\$4,371.00
97	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (PHASE C SITE AREA)	1 LS	\$28,000.00	\$28,000.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$7,650.00	\$7,650.00
98	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (CITY BORROW SOURCE, AIRPORT SITE)	1 LS	\$10,000.00	\$10,000.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$7,650.00	\$7,650.00
99	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, DIRECTIONALLY DRILLED, PE, DR18, 10" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	224 LF	\$250.00	\$56,000.00	\$270.00	\$60,480.00	\$900.00	\$201,600.00	\$658.00	\$147,392.00
100	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, CPEP, 15" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	6 LF	\$500.00	\$3,000.00	\$915.00	\$5,490.00	\$400.00	\$2,400.00	\$309.00	\$1,854.00
101	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, CPEP SLOTTED, 12" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	1592 LF	\$270.00	\$429,840.00	\$215.00	\$342,280.00	\$275.00	\$437,800.00	\$304.00	\$483,968.00
102	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, CPEP SLOTTED, 10" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	5891 LF	\$255.00	\$1,502,205.00	\$265.00	\$1,561,115.00	\$265.00	\$1,561,115.00	\$303.00	\$1,784,973.00
103	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, DIP, 10" (INCLUDES TRENCH AND FILL 0'-12' DEPTH TO BOTTOM, COMPLETE)	6 LF	\$500.00	\$3,000.00	\$1,400.00	\$8,400.00	\$550.00	\$3,300.00	\$380.00	\$2,280.00
104	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, ALL SIZES (INCLUDES TRENCH AND FILL FOR PORTION OF TRENCH GREATER THAN 10' DEPTH TO BOTTOM, COMPLETE)	600 LF	\$75.00	\$45,000.00	\$46.00	\$27,600.00	\$150.00	\$90,000.00	\$184.00	\$110,400.00
105	FLOATING BALL CHECK VALVE	10 EACH	\$8,000.00	\$80,000.00	\$18,500.00	\$185,000.00	\$18,000.00	\$180,000.00	\$19,550.00	\$195,500.00
106	MANHOLE, LEVEE SEEPAGE RELIEF, PVC, 24" DIAMETER	31 EACH	\$4,100.00	\$127,100.00	\$4,450.00	\$137,950.00	\$4,000.00	\$124,000.00	\$5,550.00	\$172,050.00
107	FLOOD CONTINGENCY PLAN	1 LS	\$170,000.00	\$170,000.00	\$187,500.00	\$187,500.00	\$250,000.00	\$250,000.00	\$100,000.00	\$100,000.00
108	COFFER AND DEWATER, DEWATERING, CONTROL OF WATER	1 LS	\$220,000.00	\$220,000.00	\$1,280,000.00	\$1,280,000.00	\$500,000.00	\$500,000.00	\$2,860,000.00	\$2,860,000.00
109	STEEL SHEET PILING	4000 SF	\$45.00	\$180,000.00	\$54.90	\$219,600.00	\$48.00	\$192,000.00	\$59.70	\$238,800.00
110	STEEL OR VINYL SHEET PILING	36900 SF	\$40.00	\$1,476,000.00	\$31.05	\$1,145,745.00	\$35.00	\$1,291,500.00	\$32.00	\$1,180,800.00
111	GATEWELL #286 RAISE	1 LS	\$25,000.00	\$25,000.00	\$31,000.00	\$31,000.00	\$30,000.00	\$30,000.00	\$33,125.00	\$33,125.00
112	GATEWELL #290 RAISE	1 LS	\$90,000.00	\$90,000.00	\$148,000.00	\$148,000.00	\$150,000.00	\$150,000.00	\$24,550.00	\$24,550.00
113	GATEWELL #305 RAISE	1 LS	\$30,000.00	\$30,000.00	\$22,500.00	\$22,500.00	\$25,000.00	\$25,000.00	\$15,400.00	\$15,400.00
114	GATEWELL #340, #340A & #340B RAISE	1 LS	\$190,000.00	\$190,000.00	\$92,000.00	\$92,000.00	\$95,000.00	\$95,000.00	\$46,100.00	\$46,100.00
115	GATEWELL #410A & #410B RAISE	1 LS	\$65,000.00	\$65,000.00	\$112,000.00	\$112,000.00	\$115,000.00	\$115,000.00	\$73,275.00	\$73,275.00
116	GATEWELL #415 RAISE	1 LS	\$105,000.00	\$105,000.00	\$219,000.00	\$219,000.00	\$225,000.00	\$225,000.00	\$18,185.00	\$18,185.00
117	ROAD SIGNAGE	40 EACH	\$450.00	\$18,000.00	\$450.00	\$18,000.00	\$475.00	\$19,000.00	\$433.50	\$17,340.00
118	SWING GATE	5 EACH	\$5,000.00	\$25,000.00	\$6,000.00	\$30,000.00	\$3,400.00	\$17,000.00	\$1,632.00	\$8,160.00
119	CONCRETE PAD FOR RECREATIONAL FEATURE	3 EACH	\$1,800.00	\$5,400.00	\$2,500.00	\$7,500.00	\$1,250.00	\$3,750.00	\$1,025.00	\$3,075.00
120	GRANULAR FILTER BLANKET	4200 TON	\$54.00	\$226,800.00	\$25.00	\$105,000.00	\$35.00	\$147,000.00	\$33.00	\$138,600.00
121	REMOVAL GRANULAR FILTER BLANKET	2000 TON	\$25.00	\$50,000.00	\$12.25	\$24,500.00	\$35.00	\$70,000.00	\$11.00	\$22,000.00
122	PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) WATERMAIN PROTECTION MEASURES	1 LS	\$40,000.00	\$40,000.00	\$25,800.00	\$25,800.00	\$600,000.00	\$600,000.00	\$30,000.00	\$30,000.00
123	PROJECT SIGN	6 EACH	\$1,200.00	\$7,200.00	\$900.00	\$5,400.00	\$1,000.00	\$6,000.00	\$867.00	\$5,202.00
124	PROJECT SIGN (LEVEE RIGHT-OF-WAY SIGNS)	20 EACH	\$300.00	\$6,000.00	\$300.00	\$6,000.00	\$300.00	\$6,000.00	\$255.00	\$5,100.00
125	FINE FILTER AGGREGATE (TOE FILTER AT 48" PCCP)	150 CY	\$105.00	\$15,750.00	\$49.85	\$7,477.50	\$150.00	\$22,500.00	\$60.50	\$9,075.00
126	FINE FILTER AGGREGATE (BUTTRRESS ATOP SRT)	2000 CY	\$105.00	\$210,000.00	\$50.55	\$101,100.00	\$150.00	\$300,000.00	\$64.50	\$129,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
127	ARTICULATED CONCRETE BLOCK (LEEVE RAMP #9, #10)	5830 SF	\$17.00	\$99,110.00	\$21.05	\$122,721.50	\$20.00	\$116,600.00	\$25.00	\$145,750.00
128	GRANULAR CLEAN SAND (RAIN GARDEN MANUFACTURED SAND INFILTRATION TRENCH)	300 CY	\$60.00	\$18,000.00	\$80.00	\$24,000.00	\$85.00	\$25,500.00	\$81.60	\$24,480.00
129	PLANTING SOIL (RAIN GARDEN MANUFACTURED MEDIA, 75% SAND, 25% COMPOST)	425 CY	\$75.00	\$31,875.00	\$110.00	\$46,750.00	\$95.00	\$40,375.00	\$91.80	\$39,015.00
130	SEEDING (RAIN GARDEN SEED MIX)	0.2 ACRE	\$6,500.00	\$1,300.00	\$2,500.00	\$500.00	\$3,000.00	\$600.00	\$2,550.00	\$510.00
131	PLUG PLANTING (RAIN GARDEN)	500 EA	\$50.00	\$25,000.00	\$6.00	\$3,000.00	\$7.00	\$3,500.00	\$6.25	\$3,125.00
132	SEEDING, FERTILIZING, AND MULCHING, TYPE 1	6.1 ACRE	\$4,500.00	\$27,450.00	\$2,450.00	\$14,945.00	\$2,650.00	\$16,165.00	\$2,500.00	\$15,250.00
133	HYDROSEEDING (LEEVE TURF SEED MIX)	21.9 ACRE	\$5,500.00	\$120,450.00	\$4,500.00	\$98,550.00	\$5,000.00	\$109,500.00	\$4,590.00	\$100,521.00
134	HYDROSEEDING (WETLAND SEED MIX)	1 ACRE	\$5,500.00	\$5,500.00	\$2,600.00	\$2,600.00	\$2,850.00	\$2,850.00	\$2,652.00	\$2,652.00
135	HYDROSEEDING (HIGH PERFORMANCE TURF SEED MIX)	5.2 ACRE	\$4,500.00	\$23,400.00	\$3,630.00	\$18,876.00	\$4,000.00	\$20,800.00	\$3,700.00	\$19,240.00
136	SEEDING (NATIVE UPLAND SEED MIX)	0.4 ACRE	\$5,000.00	\$2,000.00	\$3,000.00	\$1,200.00	\$3,500.00	\$1,400.00	\$3,060.00	\$1,224.00
137	HYDROMULCHING (TEMPORARY)	30 ACRE	\$2,000.00	\$60,000.00	\$1,700.00	\$51,000.00	\$2,000.00	\$60,000.00	\$1,734.00	\$52,020.00
138	TEMPORARY SEEDING AND MULCH (AIRPORT BORROW SITE)	8 ACRE	\$2,500.00	\$20,000.00	\$750.00	\$6,000.00	\$850.00	\$6,800.00	\$765.00	\$6,120.00
139	SEEDING, FERTILIZING, AND MULCHING, TYPE 1 (AIRPORT BORROW SITE)	8 ACRE	\$4,000.00	\$32,000.00	\$2,450.00	\$19,600.00	\$2,700.00	\$21,600.00	\$2,499.00	\$19,992.00
140	ROOT WAD WITH FOOTER LOG (COMPENSATORY STORAGE AREA)	60 EACH	\$40.00	\$2,400.00	\$2,300.00	\$138,000.00	\$1,800.00	\$108,000.00	\$357.00	\$21,420.00
141	LIVE STAKES AND LIVE CUTTINGS (DOGWOOD, WILLOW, COMPENSATORY STORAGE AREA)	2500 SY	\$15.00	\$37,500.00	\$5.80	\$14,500.00	\$6.25	\$15,625.00	\$6.00	\$15,000.00
142	TEMPORARY ROLLED EROSION CONTROL PRODUCT (100% BIODEGRADABLE, COMPENSATORY STORAGE AREA)	2500 SY	\$12.00	\$30,000.00	\$2.35	\$5,875.00	\$2.50	\$6,250.00	\$2.40	\$6,000.00
143	MAINTENANCE AND ESTABLISHMENT OF SEED AND VEGETATION	1 LS	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$30,000.00	\$30,000.00	\$25,500.00	\$25,500.00
144	GROUT AND PATCH REPAIR 72-INCH X 48" BLIND TIE STORM SEWER PIPE (STA 206+00)	1 LS	\$25,000.00	\$25,000.00	\$70,000.00	\$70,000.00	\$35,000.00	\$35,000.00	\$25,500.00	\$25,500.00
145	CAST-IN-PLACE CONCRETE SEAT WALL (STA. 532+50L)	50 LF	\$350.00	\$17,500.00	\$380.00	\$19,000.00	\$400.00	\$20,000.00	\$1,040.00	\$52,000.00
146	PVC ELECTRICAL CONDUIT (2" SCH40 PVC, STA. 536+20L)	60 LF	\$30.00	\$1,800.00	\$25.00	\$1,500.00	\$30.00	\$1,800.00	\$25.50	\$1,530.00
147	RELOCATE LIGHT POLE AND RECONSTRUCT BASE	8 EACH	\$10,000.00	\$80,000.00	\$8,450.00	\$67,600.00	\$8,500.00	\$68,000.00	\$8,150.00	\$65,200.00
148	CONSTRUCT NEW LIGHT POLE BASE AND INSTALL SALVAGED LIGHT POLE AND LAMPS	1 EACH	\$10,000.00	\$10,000.00	\$8,450.00	\$8,450.00	\$8,500.00	\$8,500.00	\$8,150.00	\$8,150.00
149	REMOVE, SALVAGE, RELOCATE CITY LIGHTING CONTROLS	1 LS	\$16,000.00	\$16,000.00	\$19,500.00	\$19,500.00	\$22,000.00	\$22,000.00	\$19,650.00	\$19,650.00
149	ELECTRICAL CABINET, CONDUITS, WIRING	1 LS	\$16,000.00	\$16,000.00	\$19,500.00	\$19,500.00	\$22,000.00	\$22,000.00	\$19,650.00	\$19,650.00
150	ABANDON EXISTING MONITORING WELL	6 EACH	\$1,500.00	\$9,000.00	\$2,300.00	\$13,800.00	\$850.00	\$5,100.00	\$2,600.00	\$15,600.00
TOTAL CONSTRUCTION COST				\$15,400,000.00		\$17,391,129.50		\$17,530,347.50		\$17,974,926.71
PERCENT OF ENGINEER'S ESTIMATE						+12.93%		+13.83%		+16.72%
						Low				

TABULATED BY: N. Smith APPROVED BY: _____
CHECKED BY: _____

CONTRACTOR'S BID TABULATION
PROJECT: DES MOINES LEVEE ALTERATIONS - PHASE C

-----ESTIMATE-----

Legacy Corporation of Illinois
East Moline, IL

CJ Moyna & Sons, LLC
Elkader, IA

BID SECURITY
10% Bid Bond

BID SECURITY
10% Bid Bond

BID PRICE

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	CLEARING & GRUBBING	1 LS	\$50,000.00	\$50,000.00	\$42,500.00	\$42,500.00	\$255,000.00	\$255,000.00
2	TOPSOIL, ON-SITE	15100 CY	\$17.00	\$256,700.00	\$17.00	\$256,700.00	\$21.60	\$326,160.00
3	TOPSOIL, OFF-SITE (IMPORT)	2300 CY	\$25.00	\$57,500.00	\$30.00	\$69,000.00	\$48.00	\$110,400.00
4	EXCAVATION, CLASS 10 (IMPERVIOUS LEVEE FILL FROM AIRPORT, IMPORT)	56600 CY	\$21.00	\$1,188,600.00	\$18.00	\$1,018,800.00	\$42.20	\$2,388,520.00
5	EXCAVATION, CLASS 10 (PERVIOUS LEVEE FILL)	35000 CY	\$16.00	\$560,000.00	\$18.00	\$630,000.00	\$24.00	\$840,000.00
6	EXCAVATION, CLASS 10 (EXPLORATION TRENCH, EXPORT MATERIAL W/OUT DEBRIS OR CONTAMINATION OFF SITE)	9700 CY	\$16.00	\$155,200.00	\$21.00	\$203,700.00	\$35.50	\$344,350.00
7	EXCAVATION, CLASS 10 (COMPENSATORY STORAGE AREA, EXPORT SUITABLE MATERIAL W/OUT DEBRIS OR CONTAMINATION OFF-SITE)	6630 CY	\$16.00	\$106,080.00	\$21.00	\$139,230.00	\$35.50	\$235,365.00
8	EXPORT (UNACCEPTABLE DEBRIS, UNSUITABLE MATERIAL TO LANDFILL)	23000 TON	\$22.00	\$506,000.00	\$23.00	\$529,000.00	\$18.50	\$425,500.00
9	EXPORT (CONTAMINATED LEAD, PETRO, ETC. UNSUITABLE MATERIAL TO LANDFILL)	4000 TON	\$25.00	\$100,000.00	\$25.00	\$100,000.00	\$18.50	\$74,000.00
10	EXPLORATORY EXCAVATION (UTILITY POTHOLING)	88 HOURS	\$500.00	\$44,000.00	\$450.00	\$39,600.00	\$455.00	\$40,040.00
11	SUBGRADE PREPARATION	2730 SY	\$7.50	\$20,475.00	\$6.00	\$16,380.00	\$12.00	\$32,760.00
12	MODIFIED SUBBASE, 4" DEPTH	810 SY	\$13.00	\$10,530.00	\$9.00	\$7,290.00	\$12.50	\$10,125.00
13	MODIFIED SUBBASE, 6" DEPTH	1920 SY	\$15.00	\$28,800.00	\$13.00	\$24,960.00	\$18.80	\$36,096.00
14	TRENCH FOUNDATION	40 TON	\$55.00	\$2,200.00	\$40.00	\$1,600.00	\$45.00	\$1,800.00
15	ENGINEERED BACKFILL	20 CY	\$60.00	\$1,200.00	\$45.00	\$900.00	\$60.00	\$1,200.00
16	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL, CLASS II MATERIALS (AT UTILITY TRENCHES)	60 CY	\$50.00	\$3,000.00	\$45.00	\$2,700.00	\$52.00	\$3,120.00
17	SANITARY SEWER ABANDONMENT, FILL AND PLUG (STA 186+25, 12")	100 LF	\$300.00	\$30,000.00	\$280.00	\$28,000.00	\$340.00	\$34,000.00
18	SANITARY SEWER ABANDONMENT, FILL AND PLUG (STA 196+45, 36")	55 LF	\$900.00	\$49,500.00	\$2,175.00	\$119,625.00	\$2,700.00	\$148,500.00
19	SANITARY SIPHON SEWER ABANDONMENT, FILL AND PLUG 60 LF ON NORTH BANK (STA 179+00, 36")	1 LS	\$90,000.00	\$90,000.00	\$125,000.00	\$125,000.00	\$148,000.00	\$148,000.00
20	SANITARY SIPHON SEWER ABANDONMENT, FILL AND PLUG 60LF ON SOUTH BANK (STA 534+00, 36")	1 LS	\$40,000.00	\$40,000.00	\$25,000.00	\$25,000.00	\$61,500.00	\$61,500.00
21	SANITARY SEWER ABANDONMENT, FILL AND PLUG (STA 175+60, 5'x5' box culvert)	75 LF	\$3,000.00	\$225,000.00	\$2,250.00	\$168,750.00	\$2,300.00	\$172,500.00
22	GAS ABANDONMENT, FILL AND PLUG (STA 176+00, 10")	110 LF	\$175.00	\$19,250.00	\$160.00	\$17,600.00	\$255.00	\$28,050.00
23	GAS ABANDONMENT, FILL AND PLUG (STA 533+50, 8")	135 LF	\$175.00	\$23,625.00	\$160.00	\$21,600.00	\$255.00	\$34,425.00
24	GAS ABANDONMENT, FILL AND PLUG (STA 533+50, 10")	135 LF	\$175.00	\$23,625.00	\$160.00	\$21,600.00	\$255.00	\$34,425.00
25	WATER ABANDONMENT, FILL AND PLUG (STA 533+00, 175+50, 12")	250 LF	\$200.00	\$50,000.00	\$175.00	\$43,750.00	\$336.00	\$84,000.00
26	WATER ABANDONMENT, FILL AND PLUG (STA 533+50, 12")	135 LF	\$200.00	\$27,000.00	\$175.00	\$23,625.00	\$336.00	\$45,360.00
27	STORM SEWER ABANDONMENT, FILL AND PLUG (STA 201+75, 24")	175 LF	\$500.00	\$87,500.00	\$460.00	\$80,500.00	\$500.00	\$87,500.00
28	STORM SEWER ABANDONMENT, FILL AND PLUG (STA 533+50, 18")	30 LF	\$350.00	\$10,500.00	\$230.00	\$6,900.00	\$255.00	\$7,650.00
29	STORM SEWER GROUT LEAKING JOINT, 72" X 72" RCB BOX, STA 577+00	1 EACH	\$8,000.00	\$8,000.00	\$2,500.00	\$2,500.00	\$5,300.00	\$5,300.00
30	STORM SEWER GATEWELL ABANDONMENT, FILL AND PLUG (GATEWELL #409)	1 EACH	\$10,000.00	\$10,000.00	\$4,500.00	\$4,500.00	\$6,000.00	\$6,000.00
31	PIPE ABANDONMENT, FILL AND PLUG (VARIOUS TYPES_SIZES_)	20 CY	\$250.00	\$5,000.00	\$175.00	\$3,500.00	\$315.00	\$6,300.00
32	STORM SEWER, TRENCHED (RCP CLASS 5, STA 518+25 AT CLAY AVENUE, 12")	622 LF	\$165.00	\$102,630.00	\$165.00	\$102,630.00	\$115.00	\$71,530.00
33	STORM SEWER POINT REPAIR, RCP CLASS 3, 15"; STA. 518+25	1 LS	\$13,000.00	\$13,000.00	\$12,000.00	\$12,000.00	\$14,500.00	\$14,500.00
34	STORM SEWER POINT REPAIR, RCP CLASS 3, 18"; STA. 518+25	1 LS	\$13,000.00	\$13,000.00	\$12,000.00	\$12,000.00	\$16,000.00	\$16,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
35	PIPE CULVERT, TRENCHED, RCP, 12"	70 LF	\$250.00	\$17,500.00	\$250.00	\$17,500.00	\$225.00	\$15,750.00
36	PIPE APRON, TYPE 2 CIRCULAR CONCRETE, 12"	4 EACH	\$5,000.00	\$20,000.00	\$2,750.00	\$11,000.00	\$2,350.00	\$9,400.00
37	SPIN CAST PIPE REHABILITATION, LRCP SANITARY, 48" DIA STA. 533+00	220 LF	\$550.00	\$121,000.00	\$575.00	\$126,500.00	\$1,450.00	\$319,000.00
38	RELOCATE HYDRANT ASSEMBLY; STA 175+75	1 LS	\$14,000.00	\$14,000.00	\$9,600.00	\$9,600.00	\$25,000.00	\$25,000.00
39	RELOCATE YARD HYDRANT ASSEMBLIES; STA. 188+00 AT EAGLE VIEW APARTMENTS	1 LS	\$14,000.00	\$14,000.00	\$7,500.00	\$7,500.00	\$9,400.00	\$9,400.00
40	MANHOLE, STORM SEWER (LEEVEE SEEPAGE RELIEF), SUDAS SW-401, 48"	5 EACH	\$7,000.00	\$35,000.00	\$7,750.00	\$38,750.00	\$4,600.00	\$23,000.00
41	MANHOLE, STORM SEWER (LEEVEE SEEPAGE RELIEF), SUDAS SW-401, 60"	2 EACH	\$9,000.00	\$18,000.00	\$8,000.00	\$16,000.00	\$6,800.00	\$13,600.00
42	MANHOLE, STORM SEWER, SUDAS SW-512 CATCH BASIN INLET	1 EACH	\$3,500.00	\$3,500.00	\$2,950.00	\$2,950.00	\$3,400.00	\$3,400.00
43	MANHOLE, STORM SEWER, 96" DIA. SUDAS SW-401	1 EACH	\$20,000.00	\$20,000.00	\$42,500.00	\$42,500.00	\$20,500.00	\$20,500.00
44	CONCRETE COLLARS AT MANHOLE-SEWER CONNECTION	2 EACH	\$2,500.00	\$5,000.00	\$2,600.00	\$5,200.00	\$2,400.00	\$4,800.00
45	MANHOLE ADJUSTMENT, MINOR W/ REINFORCED CONCRETE	2 EACH	\$3,500.00	\$7,000.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00
46	DIAMOND PAVING PATCH	12 EACH	\$3,200.00	\$38,400.00	\$3,000.00	\$36,000.00	\$3,400.00	\$40,800.00
47	CONNECT TO MANHOLE	17 LF	\$120.00	\$2,040.00	\$140.00	\$2,380.00	\$78.00	\$1,326.00
48	CURB AND GUTTER, 2' WIDE 6" STANDARD CURB	157 LF	\$110.00	\$17,270.00	\$130.00	\$20,410.00	\$76.00	\$11,932.00
49	BEAM CURB, PCC, 6" HEIGHT	225 TON	\$130.00	\$29,250.00	\$186.30	\$41,917.50	\$132.50	\$29,812.50
50	HMA PAVEMENT (CLAY AVENUE)	720 SY	\$11.00	\$7,920.00	\$13.00	\$9,360.00	\$22.00	\$15,840.00
51	REMOVAL OF SIDEWALK	10830 SY	\$10.00	\$108,300.00	\$13.00	\$140,790.00	\$23.00	\$249,090.00
52	REMOVAL OF SHARED USE PATH (TRAIL)	1000 SY	\$11.00	\$11,000.00	\$13.00	\$13,000.00	\$26.00	\$26,000.00
53	REMOVAL OF PAVEMENT, HMA BITUMINOUS SURFACING (CLAY AVENUE)	2190 SY	\$8.00	\$17,520.00	\$8.00	\$17,520.00	\$8.00	\$17,520.00
54	REMOVAL OF DRIVEWAY, GRANULAR SURFACING	1680 SY	\$11.00	\$18,480.00	\$13.00	\$21,840.00	\$30.00	\$50,400.00
55	REMOVAL OF DRIVEWAY, PCC	12000 SY	\$54.00	\$648,000.00	\$55.00	\$660,000.00	\$39.50	\$474,000.00
56	SHARED USE PATH, HMA, 6 IN., STANDARD TRAFFIC	1000 SY	\$54.00	\$54,000.00	\$61.00	\$61,000.00	\$29.15	\$29,150.00
57	TEMPORARY SHARED USE TRAIL	315 SY	\$65.00	\$20,475.00	\$85.00	\$26,775.00	\$72.00	\$22,680.00
58	TEMPORARY SHARED USE TRAIL	185 SF	\$65.00	\$12,025.00	\$65.00	\$12,025.00	\$50.00	\$9,250.00
59	DETECTABLE WARNING	861 SY	\$80.00	\$68,880.00	\$80.00	\$68,880.00	\$78.00	\$67,158.00
60	DRIVEWAY, PCC, 6"	551 SY	\$110.00	\$60,610.00	\$90.00	\$49,590.00	\$99.00	\$54,549.00
61	DRIVEWAY, PCC, 8"	400 SY	\$20.00	\$8,000.00	\$23.00	\$9,200.00	\$22.00	\$8,800.00
62	DRIVEWAY, GRANULAR SURFACING, 6" (LEEVEE ACCESS RAMPS)	692 SY	\$40.00	\$27,680.00	\$35.00	\$24,220.00	\$40.00	\$27,680.00
63	DRIVEWAY, GRANULAR SURFACING, 12"	510 LF	\$13.00	\$6,630.00	\$17.00	\$8,670.00	\$18.00	\$9,180.00
64	CURB & GUTTER REMOVAL	300 LF	\$25.00	\$7,500.00	\$17.00	\$5,100.00	\$25.00	\$7,500.00
65	PAINTED PAVEMENT MARKINGS, SOLVENT/WATERBORNE	32 EACH	\$200.00	\$6,400.00	\$200.00	\$6,400.00	\$110.00	\$3,520.00
66	PAINTED SYMBOLS AND LEGENDS	32 EACH	\$200.00	\$6,400.00	\$165.00	\$5,280.00	\$110.00	\$3,520.00
67	GROOVES CUT FOR SYMBOLS AND LEGENDS	1 LS	\$120,000.00	\$120,000.00	\$160,000.00	\$160,000.00	\$125,000.00	\$125,000.00
68	TEMPORARY TRAFFIC CONTROL	23 EACH	\$350.00	\$8,050.00	\$250.00	\$5,750.00	\$200.00	\$4,600.00
69	SPECIAL SIGNAGE	3000 LF	\$4.00	\$12,000.00	\$4.00	\$12,000.00	\$2.50	\$7,500.00
70	FILTER SOCK, INSTALLATION, MAINTENANCE, AND REMOVAL	6000 SY	\$5.00	\$30,000.00	\$5.00	\$30,000.00	\$1.44	\$8,640.00
71	TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP, TYPE 2 OR TYPE 3, 100% BIODEGRADABLE)	400 LF	\$40.00	\$16,000.00	\$29.00	\$11,600.00	\$18.00	\$7,200.00
72	TEMPORARY EARTH DIVERSION STRUCTURE, ALL TYPES, 18" HEIGHT	7510 TON	\$73.00	\$548,230.00	\$74.00	\$555,740.00	\$105.00	\$788,550.00
73	RIP RAP, CLASS B	20086 TON	\$73.00	\$1,486,278.00	\$74.00	\$1,486,364.00	\$103.00	\$2,068,858.00
74	RIP RAP, CLASS E	5900 TON	\$40.00	\$236,000.00	\$38.00	\$224,200.00	\$48.00	\$283,200.00
75	RIP RAP REMOVE	15000 LF	\$4.00	\$60,000.00	\$4.00	\$60,000.00	\$1.65	\$24,750.00
76	SILT FENCE, INSTALLATION, MAINTENANCE, AND REMOVAL	1960 SY	\$40.00	\$78,400.00	\$37.00	\$72,520.00	\$38.00	\$74,480.00
77	STABILIZED CONSTRUCTION ENTRANCE	200 MGAL	\$110.00	\$22,000.00	\$100.00	\$20,000.00	\$80.00	\$16,000.00
78	DUST CONTROL, WATER	2 EACH	\$500.00	\$1,000.00	\$350.00	\$700.00	\$190.00	\$380.00
79	INLET PROTECTION DEVICE, DROP-IN INTAKE PROTECTION	6 EACH	\$500.00	\$3,000.00	\$140.00	\$840.00	\$75.00	\$450.00
80	INLET PROTECTION DEVICE, SURFACE-APPLIED INTAKE PROTECTION	8 EACH	\$200.00	\$1,600.00	\$50.00	\$400.00	\$20.00	\$160.00
81	INLET PROTECTION DEVICE, MAINTENANCE	1200 LF	\$22.00	\$26,400.00	\$12.00	\$14,400.00	\$7.00	\$8,400.00
82	TEMPORARY CHAIN LINK FENCE, 5'	530 LF	\$50.00	\$26,500.00	\$48.00	\$25,440.00	\$33.45	\$17,728.50
83	REMOVAL & REINSTALLATION OF EXISTING FENCE, CHAIN LINK, 6' HEIGHT	810 LF	\$6.00	\$4,860.00	\$5.00	\$4,050.00	\$3.75	\$3,037.50
84	REMOVAL OF EXISTING FENCE, CHAIN LINK, 4' HEIGHT	4000 LF	\$5.00	\$20,000.00	\$5.00	\$20,000.00	\$3.00	\$12,000.00
84	TEMPORARY FENCE, CONSTRUCTION, ORANGE WARNING 3'-5'							

ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
85	DEMOLITION WORK, REMOVAL OF RAILROAD BRIDGE ABUTMENT NEAR EAGLEVIEW LOFTS	1 LS	\$25,000.00	\$25,000.00	\$28,000.00	\$28,000.00	\$22,000.00	\$22,000.00
86	REMOVE AND RELOCATE EXISTING SIGN	5 EACH	\$600.00	\$3,000.00	\$500.00	\$2,500.00	\$450.00	\$2,250.00
87	REMOVE SALVAGE AND STOCKPILE GARDEN PLANTERS, HYDRANTS & IRRIGATION	1 LS	\$15,000.00	\$15,000.00	\$12,500.00	\$12,500.00	\$8,000.00	\$8,000.00
88	REMOVE GUARD RAIL AND SIGN	20 LF	\$100.00	\$2,000.00	\$100.00	\$2,000.00	\$40.00	\$800.00
89	REMOVE AND RELOCATE CONCRETE PAD	3 EACH	\$1,200.00	\$3,600.00	\$1,000.00	\$3,000.00	\$7,200.00	\$21,600.00
90	REMOVE AND DISPOSE DEBRIS (FROM PIPES AND GATEWELLS)	110 TON	\$110.00	\$12,100.00	\$110.00	\$12,100.00	\$135.00	\$14,850.00
91	REMOVE AND DISPOSE DEBRIS (CONTAMINATED FROM PIPES AND GATEWELLS)	55 TON	\$125.00	\$6,875.00	\$150.00	\$8,250.00	\$135.00	\$7,425.00
92	REMOVE AND DISPOSE MISC DEBRIS	150 TON	\$110.00	\$16,500.00	\$110.00	\$16,500.00	\$135.00	\$20,250.00
93	CONSTRUCTION SURVEY AND AS-BUILT SURVEY	1 LS	\$80,000.00	\$80,000.00	\$75,900.00	\$75,900.00	\$160,000.00	\$160,000.00
94	MOBILIZATION	1 LS	\$1,012,577.00	\$1,012,577.00	\$1,365,300.00	\$1,365,300.00	\$4,880,000.00	\$4,880,000.00
95	CONCRETE WASHOUT	1 LS	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00
96	TREE PROTECTION FENCE	1410 LF	\$5.50	\$7,755.00	\$5.00	\$7,050.00	\$3.00	\$4,230.00
97	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (PHASE C SITE AREA)	1 LS	\$28,000.00	\$28,000.00	\$20,000.00	\$20,000.00	\$7,500.00	\$7,500.00
98	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (CITY BORROW SOURCE, AIRPORT SITE)	1 LS	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00	\$7,500.00	\$7,500.00
99	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, DIRECTIONALLY DRILLED, PE, DR18, 10" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	224 LF	\$250.00	\$56,000.00	\$741.80	\$166,163.20	\$930.00	\$208,320.00
100	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, CPEP, 15" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	6 LF	\$500.00	\$3,000.00	\$500.00	\$3,000.00	\$345.00	\$2,070.00
101	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, CPEP SLOTTED, 12" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	1592 LF	\$270.00	\$429,840.00	\$305.00	\$485,560.00	\$340.00	\$541,280.00
102	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, CPEP SLOTTED, 10" (INCLUDES TRENCH AND FILL 0'-10' DEPTH TO BOTTOM, COMPLETE)	5891 LF	\$255.00	\$1,502,205.00	\$280.00	\$1,649,480.00	\$340.00	\$2,002,940.00
103	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, DIP, 10" (INCLUDES TRENCH AND FILL 0'-12' DEPTH TO BOTTOM, COMPLETE)	6 LF	\$500.00	\$3,000.00	\$500.00	\$3,000.00	\$390.00	\$2,340.00
104	LEVEE SEEPAGE RELIEF TRENCH AND PIPE, TRENCHED, ALL SIZES (INCLUDES TRENCH AND FILL FOR PORTION OF TRENCH GREATER THAN 10' DEPTH TO BOTTOM, COMPLETE)	600 LF	\$75.00	\$45,000.00	\$500.00	\$300,000.00	\$390.00	\$234,000.00
105	FLOATING BALL CHECK VALVE	10 EACH	\$8,000.00	\$80,000.00	\$8,500.00	\$85,000.00	\$18,000.00	\$180,000.00
106	MANHOLE, LEVEE SEEPAGE RELIEF, PVC, 24" DIAMETER	31 EACH	\$4,100.00	\$127,100.00	\$4,750.00	\$147,250.00	\$5,000.00	\$155,000.00
107	FLOOD CONTINGENCY PLAN	1 LS	\$170,000.00	\$170,000.00	\$175,000.00	\$175,000.00	\$240,000.00	\$240,000.00
108	COFFER AND DEWATER, DEWATERING, CONTROL OF WATER	1 LS	\$220,000.00	\$220,000.00	\$450,000.00	\$450,000.00	\$1,800,000.00	\$1,800,000.00
109	STEEL SHEET PILING	4000 SF	\$45.00	\$180,000.00	\$55.00	\$220,000.00	\$54.00	\$216,000.00
110	STEEL OR VINYL SHEET PILING	36900 SF	\$40.00	\$1,476,000.00	\$55.00	\$2,029,500.00	\$33.00	\$1,217,700.00
111	GATEWELL #286 RAISE	1 LS	\$25,000.00	\$25,000.00	\$32,500.00	\$32,500.00	\$22,500.00	\$22,500.00
112	GATEWELL #290 RAISE	1 LS	\$90,000.00	\$90,000.00	\$115,000.00	\$115,000.00	\$110,000.00	\$110,000.00
113	GATEWELL #305 RAISE	1 LS	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00	\$28,000.00	\$28,000.00
114	GATEWELL #340, #340A & #340B RAISE	1 LS	\$190,000.00	\$190,000.00	\$210,000.00	\$210,000.00	\$215,000.00	\$215,000.00
115	GATEWELL #410A & #410B RAISE	1 LS	\$65,000.00	\$65,000.00	\$75,000.00	\$75,000.00	\$60,000.00	\$60,000.00
116	GATEWELL #415 RAISE	1 LS	\$105,000.00	\$105,000.00	\$150,000.00	\$150,000.00	\$115,000.00	\$115,000.00
117	ROAD SIGNAGE	40 EACH	\$450.00	\$18,000.00	\$400.00	\$16,000.00	\$425.00	\$17,000.00
118	SWING GATE	5 EACH	\$5,000.00	\$25,000.00	\$5,000.00	\$25,000.00	\$4,600.00	\$23,000.00
119	CONCRETE PAD FOR RECREATIONAL FEATURE	3 EACH	\$1,800.00	\$5,400.00	\$2,500.00	\$7,500.00	\$3,000.00	\$9,000.00
120	GRANULAR FILTER BLANKET	4200 TON	\$54.00	\$226,800.00	\$55.00	\$231,000.00	\$62.40	\$262,080.00
121	REMOVAL GRANULAR FILTER BLANKET	2000 TON	\$25.00	\$50,000.00	\$30.00	\$60,000.00	\$30.00	\$60,000.00
122	PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) WATERMAIN PROTECTION MEASURES	1 LS	\$40,000.00	\$40,000.00	\$180,000.00	\$180,000.00	\$230,000.00	\$230,000.00
123	PROJECT SIGN	6 EACH	\$1,200.00	\$7,200.00	\$1,500.00	\$9,000.00	\$850.00	\$5,100.00
124	PROJECT SIGN (LEVEE RIGHT-OF-WAY SIGNS)	20 EACH	\$300.00	\$6,000.00	\$350.00	\$7,000.00	\$250.00	\$5,000.00
125	FINE FILTER AGGREGATE (TOE FILTER AT 48" PCCP)	150 CY	\$105.00	\$15,750.00	\$110.00	\$16,500.00	\$110.00	\$16,500.00
126	FINE FILTER AGGREGATE (BUTTRESS ATOP SRT)	2000 CY	\$105.00	\$210,000.00	\$110.00	\$220,000.00	\$110.00	\$220,000.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
127	ARTICULATED CONCRETE BLOCK (LEVEE RAMP #9, #10)	5830 SF	\$17.00	\$99,110.00	\$33.00	\$192,390.00	\$25.00	\$145,750.00
128	GRANULAR CLEAN SAND (RAIN GARDEN MANUFACTURED SAND INFILTRATION TRENCH)	300 CY	\$60.00	\$18,000.00	\$80.00	\$24,000.00	\$80.00	\$24,000.00
129	PLANTING SOIL (RAIN GARDEN MANUFACTURED MEDIA, 75% SAND, 25% COMPOST)	425 CY	\$75.00	\$31,875.00	\$85.00	\$36,125.00	\$90.00	\$38,250.00
130	SEEDING (RAIN GARDEN SEED MIX)	0.2 ACRE	\$6,500.00	\$1,300.00	\$6,000.00	\$1,200.00	\$2,500.00	\$500.00
131	PLUG PLANTING (RAIN GARDEN)	500 EA	\$50.00	\$25,000.00	\$50.00	\$25,000.00	\$6.00	\$3,000.00
132	SEEDING, FERTILIZING, AND MULCHING, TYPE 1	6.1 ACRE	\$4,500.00	\$27,450.00	\$5,000.00	\$30,500.00	\$2,450.00	\$14,945.00
133	HYDROSEEDING (LEVEE TURF SEED MIX)	21.9 ACRE	\$5,500.00	\$120,450.00	\$7,500.00	\$164,250.00	\$4,500.00	\$98,550.00
134	HYDROSEEDING (WETLAND SEED MIX)	1 ACRE	\$5,500.00	\$5,500.00	\$6,500.00	\$6,500.00	\$2,600.00	\$2,600.00
135	HYDROSEEDING (HIGH PERFORMANCE TURF SEED MIX)	5.2 ACRE	\$4,500.00	\$23,400.00	\$4,500.00	\$23,400.00	\$3,630.00	\$18,876.00
136	SEEDING (NATIVE UPLAND SEED MIX)	0.4 ACRE	\$5,000.00	\$2,000.00	\$5,000.00	\$2,000.00	\$3,000.00	\$1,200.00
137	HYDROMULCHING (TEMPORARY)	30 ACRE	\$2,000.00	\$60,000.00	\$2,250.00	\$67,500.00	\$1,700.00	\$51,000.00
138	TEMPORARY SEEDING AND MULCH (AIRPORT BORROW SITE)	8 ACRE	\$2,500.00	\$20,000.00	\$2,250.00	\$18,000.00	\$750.00	\$6,000.00
139	SEEDING, FERTILIZING, AND MULCHING, TYPE 1 (AIRPORT BORROW SITE)	8 ACRE	\$4,000.00	\$32,000.00	\$5,000.00	\$40,000.00	\$2,450.00	\$19,600.00
140	ROOT WAD WITH FOOTER LOG (COMPENSATORY STORAGE AREA)	60 EACH	\$40.00	\$2,400.00	\$300.00	\$18,000.00	\$850.00	\$51,000.00
141	LIVE STAKES AND LIVE CUTTINGS (DOGWOOD, WILLOW, COMPENSATORY STORAGE AREA)	2500 SY	\$15.00	\$37,500.00	\$12.00	\$30,000.00	\$5.80	\$14,500.00
142	TEMPORARY ROLLED EROSION CONTROL PRODUCT (100% BIODEGRADABLE, COMPENSATORY STORAGE AREA)	2500 SY	\$12.00	\$30,000.00	\$5.00	\$12,500.00	\$2.35	\$5,875.00
143	MAINTENANCE AND ESTABLISHMENT OF SEED AND VEGETATION	1 LS	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
144	GROUT AND PATCH REPAIR 72-INCH X 48" BLIND TIE STORM SEWER PIPE (STA 206+00)	1 LS	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$22,500.00	\$22,500.00
145	CAST-IN-PLACE CONCRETE SEAT WALL (STA. 532+50L)	50 LF	\$350.00	\$17,500.00	\$600.00	\$30,000.00	\$610.00	\$30,500.00
146	PVC ELECTRICAL CONDUIT (2" SCH40 PVC, STA. 536+20L)	60 LF	\$30.00	\$1,800.00	\$30.00	\$1,800.00	\$25.00	\$1,500.00
147	RELOCATE LIGHT POLE AND RECONSTRUCT BASE	8 EACH	\$10,000.00	\$80,000.00	\$12,500.00	\$100,000.00	\$9,500.00	\$76,000.00
148	CONSTRUCT NEW LIGHT POLE BASE AND INSTALL SALVAGED LIGHT POLE AND LAMPS	1 EACH	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$9,500.00	\$9,500.00
149	REMOVE, SALVAGE, RELOCATE CITY LIGHTING CONTROLS	1 LS	\$16,000.00	\$16,000.00	\$275,000.00	\$275,000.00	\$20,500.00	\$20,500.00
150	ELECTRICAL CABINET, CONDUITS, WIRING	6 EACH	\$1,500.00	\$9,000.00	\$2,500.00	\$15,000.00	\$2,500.00	\$15,000.00
	ABANDON EXISTING MONITORING WELL							
	TOTAL CONSTRUCTION COST			\$15,400,000.00		\$17,989,019.70		\$25,261,848.50
	PERCENT OF ENGINEER'S ESTIMATE					+16.81%		+64.04%