

Agenda Item Number

DATE September 11, 2017

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVENUE TO UNIVERSITY AVENUE; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS S. M. HENTGES & SONS INC., STEVEN M. HENTGES, PRESIDENT, \$7,795,330.07

WHEREAS, on August 14, 2017, under Roll Call No. 17-1330, 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:

Leetown Creekway Box Culvert from Dean Avenue to University Avenue, 08-2017-001

The improvement includes constructing new Reinforced Concrete Box (RCB) storm sewer sizes 6 feet x 6 feet, 12 feet x 5 feet, and 12 feet x 7 feet, Reinforced Concrete Pipe (RCP) storm sewer sizes 15-inches to 48-inches, precast manholes and intakes, cast-in-place manholes, Ductile Iron (DI) sanitary sewer sizes 10-inches to 24-inches, Poly Vinyl Chloride (PVC) storm and sanitary sewer, PVC water main, DI water main, 6-inch, 8-inch, and 10-inch Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, pavement markings, earthwork and grading, erosion control, fencing, and restoration and other associated and incidental items; all in accordance with contract documents, including Plan File Nos. 587-001/122, located just east of E. 30th Street from E. University Avenue to Dean Avenue, 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:

S. M. Hentges & Sons Inc. Jordan, MN Raccoon Valley Contractors, LLC. Waukee, IA Elder Corporation Des Moines, IA

Des Moines, IA Bid read under advisement – Bid rejected due to bid submitted on modified proposal form



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which were received and opened at a public meeting presided over by the Engineer in the Shijiazhuang Room, 2nd Floor, City Administration Building, 400 E. Court Avenue, Des Moines, Iowa at 11:00 a.m. on August 29, 2017. 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 S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN, 55352 in the amount of \$7,795,330.07, 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 17 - 654 attached.)

Moved by _____

to adopt.

FORM APPROVED:

Kathleen Vanderpool Deputy City Attorney

FUNDS AVAILABLE

Robert L. Fagen Des Moines Finance Director

Funding Source: 2017-2018 CIP, Page Storm – 9, Leetown Creekway - Outlet Improvements, SM075, Being: \$7,616,967.07 of Stormwater Funds and Storm Revenue Bonds to be issued, with specific amounts to be determined; \$153,323 from the Iowa State Fair; and the remaining \$25,040 from Des Moines Water Works



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DATE September 11, 2017

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MOORE				
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. DEPARTMENT OF ENGINEERING CITY OF DES MOINES, IOWA

Traffic Control

Topsoil, Off-Site

Modified Subbase

Trench Foundation

Clearing and Grubbing

Excavation, Class 10

Subgrade Preparation

Concrete Pipe Encasement

Ductile Iron (D.I.) Sanitary Sewer, 10"

Ductile Iron (D.I.) Sanitary Sewer, 12"

Ductile Iron (D.I.) Sanitary Sewer, 16"

Solid Wall PVC Sanitary Sewer, 8"

Solid Wall PVC Sanitary Sewer, 24"

Reinforced Concrete Pipe (RCP), 15"

Reinforced Concrete Pipe (RCP), 18"

Reinforced Concrete Pipe (RCP), 24"

Reinforced Concrete Pipe (RCP), 30"

Reinforced Concrete Pipe (RCP), 48"

PVC Storm Sewer, 10"

RCB Connection Collar

RCB Special Jointing

Removal of Sewer, 8"

Removal of Sewer, 10"

Removal of Sewer, 12"

Removal of Sewer, 15"

Removal of Sewer, 18"

Removal of Sewer, 24"

Removal of Sewer, 48"

Removal of Box Culvert

Sewer Abandonment

Water Main, PVC, 8"

Water Main, PVC, 10"

Removal of Dean Avenue Culvert

PVC Subdrain, 6"

12x7 RCB Plug

PVC Subdrain, 12"

Ductile Iron (D.I.) Sanitary Sewer, 24", Trenchless

Reinforced Concrete Arch Pipe (RCAP), 58"x36"

Reinforced Concrete Box (RCB) Culvert, 6'x6'

Reinforced Concrete Box (RCB) Culvert, 12'x5'

Reinforced Concrete Box (RCB) Culvert, 12'x7'

ITEM

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Activity ID 08-2017-001

QUANTITY

1 LS

678.3 UNITS

2350 CY

700 CY

8890 SY

5054 SY

500 TONS

50 LF

44 LF

30 LF

77 LF

65 LF

295 LF

1214 LF

24 LF

956 LF

20 LF

25 LF

79 LF

6 LF

20 LF

27 LF

327 LF

258 LF

3418 LF

107 LF

1 EA

1 EA

6 EA

100 LF

45 LF

55 LF

68 LF

1001 LF

1280 LF

220 LF

290 LF

1 LS

30 CY

645 LF

22 LF

Bid

APPROVED BY RAGGET TABULATED BY: M. Radermacher CHECKED BY: Jule how

CONTRACTOR'S BID TABULATION PROJECT: LEETOWN CREEKWAY BOX CULVERT FROM DEAN AVE TO UNIVERSIT

DESCRIPTION

--ESTIMATE----

id Da	ate: 8/29/2017		S.M. Hentges	& Sons, Inc.	Raccoon Valle	ey Contractors	Elder (Corporation	
			Jordan			ee, IA		vloines, IA	
TY AVE		BID SEC 10% Bi			CURITY id Bond	BID SECURITY 10% Bid Bond			
			BID P	RICE	BID F	PRICE	BID PRICE		
	UNIT		UNIT		UNIT		UNIT		
	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
	\$30,000.00	\$30,000.00	\$17,400.00	\$17,400.00	\$20,000.00	\$20,000.00		- Bid submitted on	
;	\$35.00	\$23,740.50	\$23.50	\$15,940.05	\$29.00	\$19,670.70		proposal form.	
	\$15.00	\$35,250.00	\$30.30	\$71,205.00	\$26.00	\$61,100.00		p p	
	\$25.00	\$17,500.00	\$50.00	\$35,000.00	\$65.00	\$45,500.00			
	\$3.00	\$26,670.00	\$2.00	\$17,780.00	\$5.00	\$44,450.00			
	\$12.00	\$60,648.00	\$18.60	\$94,004.40	\$14.00	\$70,756.00			
	\$30.00	\$15,000.00	\$29.00	\$14,500.00	\$22.00	\$11,000.00		8	
	\$50.00	\$2,500.00	\$346.00	\$17,300.00	\$90.00	\$4,500.00			
	\$200.00	\$8,800.00	\$478.00	\$21,032.00	\$600.00	\$26,400.00			
	\$250.00	\$7,500.00	\$526.00	\$15,780.00	\$525.00	\$15,750.00			
	\$300.00	\$23,100.00	\$437.00	\$33,649.00	\$520.00	\$40,040.00			
	\$550.00	\$35,750.00	\$1,481.00	\$96,265.00	\$1,000.00	\$65,000.00			
	\$80.00	\$23,600.00	\$50.00	\$14,750.00	\$130.00	\$38,350.00			
	\$325.00	\$394,550.00	\$352.00	\$427,328.00	\$360.00	\$437,040.00			
	\$150.00	\$3,600.00	\$59.00	\$1,416.00	\$1,000.00	\$24,000.00			
	\$60.00	\$57,360.00	\$54.00	\$51,624.00	\$200.00	\$191,200.00			
	\$200.00	\$4,000.00	\$82.00	\$1,640.00	\$500.00	\$10,000.00			
	\$200.00	\$5,000.00	\$114.00	\$2,850.00	\$600.00	\$15,000.00			
	\$250.00	\$19,750.00	\$186.00	\$14,694.00	CAN FOR DEL PROVIDER LEDO	\$55,300.00			
	\$500.00	\$3,000.00	\$343.00	\$2,058.00		\$10,500.00			
	\$75.00	\$1,500.00	\$68.00	\$1,360.00		\$10,600.00	8		
	\$20.00	\$6,540.00	\$21.00	\$6,867.00	COM 10 11 10 100000	\$32,700.00			
	\$50.00	\$1,350.00	\$41.00	\$1,107.00		\$2,700.00			
	\$700.00	\$180,600.00		\$131,064.00	8	\$258,000.00			
	\$1,100.00	\$3,759,800.00	\$769.50	\$2,630,151.00		\$3,715,366.00			
	\$1,500.00	\$160,500.00		\$114,062.00	Car and in the second second	\$149,800.00			
	\$5,000.00	\$5,000.00		\$31,900.00	ALC ALCOLOGICAL CONTRACTOR	\$30,000.00			
	\$2,500.00	\$2,500.00		\$3,215.00		\$3,500.00			
	\$500.00	\$3,000.00		\$3,786.00		\$6,000.00			
	\$15.00	\$1,500.00	and all the second	\$1,200.00		\$4,100.00	1		
	\$20.00	\$900.00	er. 15	\$540.00	1 N N	\$1,845.00	1		
	\$20.00	\$1,100.00		\$660.00	10	\$2,365.00			
	\$25.00	\$1,700.00	1.25	\$816.00		\$1,564.00	1		
	\$10.00	\$10,010.00	\$12.00	\$12,012.00		\$29,029.00			
	\$25.00	\$32,000.00		\$15,360.00		\$20,480.00			
	\$30.00	\$6,600.00		\$6,600.00		\$15,400.00			
	\$60.00	\$17,400.00		\$26,680.00	18000 Personal (1990)	\$81,200.00			
	\$10,000.00	\$10,000.00	A CONTRACTOR OF A CONTRACTOR	\$32,700.00		\$25,000.00			
	\$150.00	\$4,500.00		\$6,240.00		\$9,000.00	C	\sim	
	\$45.00	\$29,025.00		\$29,025.00		\$70,950.00	1	0	
	\$75.00	\$1,650.00		\$1,540.00		\$4,400.00			
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*		~	UNIT		UNIT		UNIT		UNIT	
ITEM	DESCRIPTION	QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
42	Water Main Relocate, STA. 32+52 (Elwell Center)	1 LS	\$10,000.00	\$10,000.00	\$25,650.00	\$25,650.00	\$27,000.00	\$27,000.00	INCL	AMOUNT
43	Water Main Relocate, STA. 40+15 (Logan Avenue)	1 LS	\$10,000.00	\$10,000.00	\$25,050.00	\$25,050.00	\$28,000.00	\$28,000.00		
44	Water Main Relocate, Sta. 48+56 (Dean Avenue)	. 1 LS	\$22,000.00	\$22,000.00	\$25,040.00	\$25,040.00	\$28,000.00	\$28,000.00		
45	Fittings	880 LBS	\$20.00	\$17,600.00	\$10.60	\$9,328.00	\$5.60	\$4,928.00		
46	Water Service Stub, Copper	1 EA	\$1,500.00	\$1,500.00	\$2,310.00	\$2,310.00	\$5,000.00	\$5,000.00		
47	Removal of Water Main	260 LF	\$5.00	\$1,300.00	\$12.00	\$3,120.00	\$32.00	\$8,320.00		
48	Valve, Gate, 8"	7 EA	\$1,750.00	\$12,250.00	\$1,560.00	\$10,920.00	\$1,300.00	\$9,100.00		
49	Valve, Gate 10"	1 EA	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,800.00	\$1,800.00		
50	Fire Hydrant Assembly	1 EA	\$4,000.00	\$4,000.00	\$4,600.00	\$4,600.00	\$5,000.00	\$5,000.00		
51	Remove Existing Fire Hydrant	1 EA	\$1,500.00	\$1,500.00	\$610.00	\$610.00	\$700.00	\$700.00		
52	Relocate Existing Fire Hydrant	1 EA	\$2,500.00	\$2,500.00	\$2,515.00	\$2,515.00	\$4,400.00	\$4,400.00		
53	Relocate Service Hydrant	1 EA	\$2,500.00	\$2,500.00	\$4,015.00	\$4,015.00	\$2,400.00	\$2,400.00		
54	Manhole, SW-301, 48" I.D.	2 EA	\$7,500.00	\$15,000.00	\$5,150.00	\$10,300.00	\$6,000.00	\$12,000.00		
55	Manhole, SW-303, 48" I.D.	4 EA	\$10,000.00	\$40,000.00	\$6,300.00	\$25,200.00	\$7,000.00	\$28,000.00		Υ.
56	Manhole, SW-303, 60" I.D.	1 EA	\$12,000.00	\$12,000.00	\$9,540.00	\$9,540.00	\$8,500.00	\$8,500.00		
57	Manhole, Nyoplast	2 EA	\$2,000.00	\$4,000.00	\$1,160.00	\$2,320.00	\$2,200.00	\$4,400.00		
58	Manhole, SW-401, 48" I.D.	1 EA	\$4,000.00	\$4,000.00	\$2,750.00	\$2,750.00	\$3,700.00	\$3,700.00		
59	Manhole, SW-401, 60" I.D.	1 EA	\$6,000.00	\$6,000.00	\$4,400.00	\$4,400.00	\$5,000.00	\$5,000.00		
60	Manhole, SW-401, 72" I.D.	1 EA	\$7,500.00	\$7,500.00	\$31,070.00	\$31,070.00	\$8,000.00	\$8,000.00		
61	Manhole, SW-401, 96" I.D.	1 EA	\$20,000.00	\$20,000.00	\$7,000.00	\$7,000.00	\$20,000.00	\$20,000.00		
62	Manhole, SW-405, Modified	10 EA	\$4,000.00	\$40,000.00	\$3,313.00	\$33,130.00	\$4,000.00	\$40,000.00		
63	Junction Box #1	1 LS	\$140,000.00	\$140,000.00	\$559,500.00	\$559,500.00	\$220,000.00	\$220,000.00		
64	Junction Box #2	1 LS	\$75,000.00	\$75,000.00	\$192,000.00	\$192,000.00	\$110,000.00	\$110,000.00		
65	Junction Box #3	1 LS	\$45,000.00	\$45,000.00	\$138,260.00	\$138,260.00	\$78,000.00	\$78,000.00		
66	Junction Box #4	1 LS	\$40,000.00	\$40,000.00	\$119,400.00	\$119,400.00	\$65,000.00	\$65,000.00		
67	Junction Box #5	1 LS	\$45,000.00	\$45,000.00	\$160,500.00	\$160,500.00	\$60,000.00	\$60,000.00		
68	Junction Box #6	1 LS	\$45,000.00	\$45,000.00	\$165,800.00	\$165,800.00	\$70,000.00	\$70,000.00		
69	Intake, SW-501	3 EA	\$3,500.00	\$10,500.00	\$2,400.00	\$7,200.00	\$4,000.00	\$12,000.00		
70	Intake, SW-503	1 EA	\$5,000.00	\$5,000.00	\$4,300.00	\$4,300.00	\$6,000.00	\$6,000.00		
71	Intake, SW-505	8 EA	\$4,500.00	\$36,000.00	\$4,460.00	\$35,680.00	\$6,900.00	\$55,200.00		
72	Intake, SW-511	4 EA	\$3,000.00	\$12,000.00	\$2,300.00	\$9,200.00	\$4,600.00	\$18,400.00		
73	Intake, SW-512	1 EA	\$2,000.00	\$2,000.00	\$1,710.00	\$1,710.00	\$3,900.00	\$3,900.00		
74	Manhole Adjustment, Minor	2 EA	\$1,000.00	\$2,000.00	\$1,050.00	\$2,100.00	\$1,000.00	\$2,000.00		
75	Intake Adjustment, Minor	2 EA	\$1,000.00	\$2,000.00	\$1,065.00	\$2,130.00	\$1,000.00	\$2,000.00		
76	Remove Manhole or Intake	16 EA	\$1,000.00	\$16,000.00	\$705.00	\$11,280.00	\$750.00	\$12,000.00		
77	Composite Pavement	277 SY	\$150.00	\$41,550.00	\$146.00	\$40,442.00	\$150.00	\$41,550.00		
78	PCC Pavement, 8" (Fully Reinforced)	4603 SY	\$60.00	\$276,180.00	\$59.00	\$271,577.00	\$60.00	\$276,180.00		
79	PCC Pavement, 10" (Fully Reinforced)	875 SY	\$75.00	\$65,625.00	\$73.50	\$64,312.50	\$76.00	\$66,500.00		
80	Curb and Gutter, 3.0', 8" (Sloped Curb)	2347 LF	\$45.00	\$105,615.00	\$32.60	\$76,512.20	\$41.00	\$96,227.00		
81	PCC Pavement, 8" Integral Color (Fully Reinforced)	268 SY	\$100.00	\$26,800.00	\$98.00	\$26,264.00	at the life interaction was	\$31,624.00		
82	PCC Pavement, 8" (Joint Reinforced)	1404 SY	\$55.00	\$77,220.00	\$55.00	\$77,220.00		\$84,240.00		
83	Sidewalk and Driveway Removal	1749 SY	\$10.00	\$17,490.00		\$3,498.00		\$20,988.00		
84	PCC Sidewalk, 6"	1719 SY	\$50.00	\$85,950.00	20 C PAR 10	\$75,636.00		\$89,388.00		
85	Driveway, PCC, 8"	856 SY	\$60.00	\$51,360.00	contract of the second	\$42,800.00		\$57,352.00		
86	Granular Surfacing, Class A Crushed Stone	100 TON	\$30.00	\$3,000.00	SHE NO DOCT	\$2,400.00		\$4,500.00	1	
87	PCC Pavement Removal	4632 SY	\$12.00	\$55,584.00		\$28,718.40	1 I I I I I I I I I I I I I I I I I I I	\$27,792.00	0	
88	HMA Pavement Removal	10700 SY	\$12.00	\$128,400.00	2 C C C C C C C C C C C C C C C C C C C	\$98,440.00		\$90,950.00		
89	Permeable Interlocking Pavers	340 SY	\$100.00	\$34,000.00		\$55,420.00		\$30,600.00		
90	Painted Pavement Markings, Solvent/Waterborne	18.72 STA	\$75.00	\$1,404.00	· · · · · · · · · · · · · · · · · · ·	\$3,669.12	4 00040000000000	\$2,995.20		
91 92	Pavement Markings, Durable Paint Seeding, Fertilizing, Mulching for Hydraulic Seeding (Type 1)	2 STA	\$750.00	\$1,500.00		\$1,736.00		\$1,700.00		6
32	occome, refunzing, matching for myaraulic Seeurig (Type 1)	6.3 ACRE	\$3,500.00	\$22,050.00	\$3,061.00	\$19,284.30	\$3,000.00	\$18,900.00	1 I	

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ITEM DESCRIPTION QUANTITY PRICE AMOUNT PRICE					T		1		I		
TEM DESCRIPTION QUANTITY PRICE AMOUNT Station						LINUT		LINIT		UNIT	
Seeding, Fertilizing, Mulching for Hydraulic Seeding (Type 4) 2 ACRE \$2,500,00 \$5,000,00 \$1,429,00 \$2,858,00 \$1,400,00 \$2,800,00 94 Sodding 133,5 SQ \$100,00 \$18,350,00 \$11,429,00 \$2,858,00 \$11,400,00 \$22,800,00 \$11,429,00 \$21,450,00 \$12,500,00 \$11,640,00 \$12,500,00 \$11,640,00 \$11,640,00 \$11,640,00 \$12,650,00 \$11,640,00 \$11,640,00 \$12,500,00 \$11,600,00 \$22,800,00 \$11,750,00 \$22,800,00 \$11,750,00 \$22,800,00 \$11,750,00 \$22,800,00 \$11,750,00 \$22,800,00 \$11,750,00 \$22,000 \$20,000,00 \$11,750,00 \$22,000 \$20,000,00 \$11,750,00 \$22,000 \$20,000,00 \$11,750,00 \$22,000 \$20,000,00 \$11,750,00 \$22,000 \$20,000,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,000 \$22,800,00 \$11,00	1757	DESCRIPTION	OUANTITY		AMOUNT		AMOUNT		AMOUNT		
94 Sodding 183.5 SQ \$100.00 \$16,350.00 \$811.00 \$11,183.50 \$11,10.00 \$220,185.00 95 Plants 1 LS \$7,500.00 \$7,500.00 \$10,840.00 \$10,840.00 \$10,500.00 \$10,500.00 \$10,500.00 \$10,500.00 \$10,500.00 \$10,500.00 \$10,500.00 \$10,500.00 \$8,700.00 \$8,700.00 \$8,000.00										FRICE	AMOUNT
95 Plants 1 LS \$7,500.00 \$10,840.00 \$10,840.00 \$10,500.00 \$10,500.00 96 Brick Chips, 3/4" 17 CY \$150.00 \$2,550.00 \$173.00 \$2,941.00 \$170.00 \$2,980.00 \$90.00.00 97 Stormwater Pollution Prevention 1 LS \$5,000.00 \$8,700.00 \$10,840.00 \$17,750.00 \$9,000.00<				214 J. 10	2 2	· •	S	10 A	(A) A		
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104 Removal of Chain Link Fence w/ Footing 2131 LF \$3.50 \$7,458.50 \$4.10 \$8,737.10 \$4.00 \$8,524.00 105 Temporary Fence, Chain Link, 96" 3000 LF \$7,50 \$22,500.00 \$5.60 \$16,800.00 \$30.00 \$90,000.00 106 Fence Mow Strip, PCC 235 SY \$110.00 \$22,950.00 \$10,670 \$10,672.00 \$16,000.00 \$35,250.00 107 PCC Retaining Wall 16 CY \$700.00 \$11,200.00 \$667.00 \$10,621.40 \$85.00 \$7,539.50 109 Uniformed Police Officer 10 EACH \$550.00 \$5,500.00 \$550.00 \$550.00 \$550.00 \$370,840.00 \$300.00 \$300.00 \$300.00 \$300.00 \$300.00 \$460,000.00 \$370,840.00 \$460,000.00 \$460,000.00 \$370,840.00 \$460,000.00	102										
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106 Fence Mow Strip, PCC 235 SY \$110.00 \$25,850.00 \$106.00 \$24,910.00 \$150.00 \$35,250.00 107 PCC Retaining Wall 16 CY \$700.00 \$11,200.00 \$667.00 \$10,672.00 \$10,602.00 \$16,000.00 108 Handrail, 42" 88.7 LF \$50.00 \$4,435.00 \$122.00 \$10,821.40 \$85.00 \$7,539.50 109 Uniformed Police Officer 10 EACH \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$33.10 \$3.10 \$3.00 \$3.00.00 \$30.00 \$37.840.00 \$370,840.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$460,000.00 \$69,750.00 \$5,930.00 \$5,930.00 \$69,750.00 \$69,750.00 \$60,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00<	104	Removal of Chain Link Fence w/ Footing	2131 LF	\$3.50		1	A SALE WAS CREATED IN ACCESS	(*c) 80-503330	CONTRACTORISTIC EXCENSION		
107 PCC Retaining Wall 16 CY \$700.00 \$11,200.00 \$667.00 \$10,672.00 \$10,000.00 \$16,000.00 108 Handrail, 42" 88.7 LF \$50.00 \$4,435.00 \$122.00 \$10,821.40 \$85.00 \$7,539.50 109 Uniformed Police Officer 10 EACH \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$550.00 \$3.00 \$3,000.00 \$3.00 \$3,000.00 \$3.00 \$3,000.00 \$3.00 \$3,000.00 \$460,000.00 \$69,750.0	105	Temporary Fence, Chain Link, 96"	3000 LF	\$7.50	\$22,500.00	\$5.60					
108 Handrail, 42" 88.7 LF \$50.00 \$4,435.00 \$10,821.40 \$85.00 \$7,539.50 109 Uniformed Police Officer 10 EACH \$550.00 \$5,500.00 \$5,500.00 \$5,500.00 110 Tree Protection Fence 1000 LF \$5,000.00 \$3,10 \$3,100.00 \$460,000.00 111 Electrical Work 1 LS \$400,000.00 \$400,000.00 \$370,840.00 \$460,000.00 \$460,000.00 112 Subsurface Utilility Locates 1 LS \$20,000.00 \$27,115.00 \$27,115.00 \$69,750.00 \$66,000.00 113 Remove and Replace Mast Arm, Sign, & Foundation 1 LS \$7,500.00 \$7,500.00 \$5,930.00 \$6,000.00 \$130,000.00 114 Mobilization 1 LS \$533,027.50 \$533,027.50 \$533,027.50 \$536,040.00 \$130,000.00 \$130,000.00 114 Mobilization 1 LS \$57,900,000.00 \$7,795,330.07 \$8,543,779.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,000.00 \$130,0	106	Fence Mow Strip, PCC	235 SY	\$110.00	\$25,850.00	\$106.00		\$150.00	\$35,250.00		
109 Uniformed Police Officer 10 EACH \$550.00 \$550.00 \$550.00 \$550.00 110 Tree Protection Fence 100 LF \$500 \$500.00 \$3.10 \$3.10.00 \$3.00 \$3.00.00 111 Electrical Work 1 LS \$400,000.00 \$400,000.00 \$370,840.00 \$370,840.00 \$460,000.00 \$460,000.00 112 Subsurface Utility Locates 1 LS \$20,000.00 \$27,115.00 \$27,115.00 \$69,750.00 \$69,750.00 113 Remove and Replace Mast Arm, Sign, & Foundation 1 LS \$7,500.00 \$7,500.00 \$5,930.00 \$6,000.00 \$6,000.00 114 Mobilization 1 LS \$533,027.50 \$533,027.50 \$636,040.00 \$636,040.00 \$130,000.00 \$130,000.00 114 Mobilization 1 LS \$7,900,000.00 \$636,040.00 \$636,040.00 \$130,000.00 \$130,000.00 \$130,000.00 PERCENT OF ENGINEER'S ESTIMATE \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 \$8,543,779.00 \$8,543,779.00	107	PCC Retaining Wall	16 CY	\$700.00	\$11,200.00	\$667.00	\$10,672.00	\$1,000.00	\$16,000.00		
110 Tree Protection Fence 1000 LF \$5.00 \$5,000.00 \$3.10 \$3,100.00 \$3.00.00 111 Electrical Work 1 LS \$400,000.00 \$400,000.00 \$370,840.00 \$370,840.00 \$460,000.00 112 Subsurface Utility Locates 1 LS \$20,000.00 \$20,000.00 \$27,115.00 \$27,115.00 \$69,750.00 113 Remove and Replace Mast Arm, Sign, & Foundation 1 LS \$7,500.00 \$7,500.00 \$5,930.00 \$6,000.00 \$60,000.00 114 Mobilization 1 LS \$533,027.50 \$533,027.50 \$636,040.00 \$636,040.00 \$130,000.00 TOTAL CONSTRUCTION COST FRCENT OF ENGINEER'S ESTIMATE \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 PERCENT OF ENGINEER'S ESTIMATE \$7,900,000.00 \$7,795,330.07 \$8,543,779.00	108	Handrail, 42"	88.7 LF	\$50.00	\$4,435.00	\$122.00	\$10,821.40	\$85.00	\$7,539.50		
111 Electrical Work 1 LS \$400,000.00 \$400,000.00 \$370,840.00 \$370,840.00 \$460,000.00 112 Subsurface Utility Locates 1 LS \$20,000.00 \$27,115.00 \$27,115.00 \$69,750.00 113 Remove and Replace Mast Arm, Sign, & Foundation 1 LS \$7,500.00 \$7,500.00 \$5,930.00 \$6,000.00 \$60,000.00 114 Mobilization 1 LS \$533,027.50 \$533,027.50 \$636,040.00 \$636,040.00 \$130,000.00 TOTAL CONSTRUCTION COST \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 PERCENT OF ENGINEER'S ESTIMATE \$7,900,000.00 \$7,795,330.07 \$8,543,779.00	109	Uniformed Police Officer	10 EACH	\$550.00	\$5,500.00	\$550.00	\$5,500.00	\$550.00	\$5,500.00		
112 Subsurface Utility Locates 1 LS \$20,000.00 \$227,115.00 \$227,115.00 \$69,750.00 113 Remove and Replace Mast Arm, Sign, & Foundation 1 LS \$7,500.00 \$7,500.00 \$5,930.00 \$69,750.00 \$69,000.00 114 Mobilization 1 LS \$533,027.50 \$533,027.50 \$636,040.00 \$636,040.00 \$130,000.00 TOTAL CONSTRUCTION COST \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 PERCENT OF ENGINEER'S ESTIMATE \$7,900,000.00 \$-1.32% +8.15%	110	Tree Protection Fence	1000 LF	\$5.00	\$5,000.00	\$3.10	\$3,100.00	\$3.00	\$3,000.00		
113 Remove and Replace Mast Arm, Sign, & Foundation 1 LS \$7,500.00 \$7,500.00 \$5,930.00 \$6,000.00 \$6,000.00 114 Mobilization 1 LS \$533,027.50 \$533,027.50 \$636,040.00 \$636,040.00 \$130,000.00 \$130,000.00 TOTAL CONSTRUCTION COST \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 PERCENT OF ENGINEER'S ESTIMATE -1.32% +8.15%	111	Electrical Work	1 LS	\$400,000.00	\$400,000.00	\$370,840.00	\$370,840.00	\$460,000.00	\$460,000.00		
114 Mobilization 1 LS \$533,027.50 \$636,040.00 \$636,040.00 \$130,000.00 \$130,000.00 TOTAL CONSTRUCTION COST \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 PERCENT OF ENGINEER'S ESTIMATE -1.32% +8.15%	112	Subsurface Utlility Locates	1 LS	\$20,000.00	\$20,000.00	\$27,115.00	\$27,115.00	\$69,750.00	\$69,750.00		
TOTAL CONSTRUCTION COST \$7,900,000.00 \$7,795,330.07 \$8,543,779.00 PERCENT OF ENGINEER'S ESTIMATE -1.32% +8.15%	113	Remove and Replace Mast Arm, Sign, & Foundation	1 LS	\$7,500.00	\$7,500.00	\$5,930.00	\$5,930.00	\$6,000.00	\$6,000.00		
PERCENT OF ENGINEER'S ESTIMATE +8.15%	114	Mobilization	1 LS	\$533,027.50	\$533,027.50	\$636,040.00	\$636,040.00	\$130,000.00	\$130,000.00		
PERCENT OF ENGINEER'S ESTIMATE +8.15%											
PERCENT OF ENGINEER'S ESTIMATE +8.15%											
		TOTAL CONSTRUCTION COST			\$7,900,000.00		\$7,795,330.07		\$8,543,779.00		
Low		PERCENT OF ENGINEER'S ESTIMATE					-1.32%		+8.15%		
							Low				

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