



**Roll Call Number**

**Agenda Item Number**

31

DATE January 24, 2022

**PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON CLOSES CREEK STORM SEWER IMPROVEMENTS PHASE 3; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS S. M. HENTGES & SONS INC., STEVEN M. HENTGES, PRESIDENT, \$8,376,076.22**

WHEREAS, on December 6, 2021, under Roll Call No. 21-1787, 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:

Closes Creek Storm Sewer Improvements Phase 3, 082021005

The improvement includes constructing new 6-feet by 4-feet Reinforced Concrete Box (RCB) storm sewer, 15-inch to 72-inch Reinforced Concrete Pipe (RCP) storm sewer, precast manholes, cast-in-place manholes and intakes, 8-inch to 12-inch Ductile Iron (DI) sanitary sewer, Polypropylene Pipe (PP) storm sewer, Poly Vinyl Chloride (PVC) water main, Portland Cement Concrete (PCC) pavement, Hot-Mix Asphalt (HMA) paving, PCC curb and gutter, subdrain and footing drains, traffic signalization, earthwork and grading, erosion control, fencing, restoration, and other associated and incidental items; all in accordance with contract documents, including Plan File No. 637-001/151, generally located on Hazelwood Drive from Northwest Drive to Franklin Avenue, Franklin Avenue from Beaver Avenue to 48th Street, and 48th Street from Franklin Avenue to Hickman Road, 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:

- S. M. Hentges & Sons Inc., Jordan, MN Low Bid
- Progressive Structures, LLC, Elkader, IA
- Synergy Contracting, LLC, Altoona, IA
- Raccoon Valley Contractors, LLC., Waukee, IA
- Rognes Corp. , Ankeny, IA
- Corell Contractor, Inc., West Des Moines, 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 December 21, 2021. 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 S. M. Hentges & Sons Inc., Steven M. Hentges, President, 650 Quaker Avenue, Suite 200, Jordan, MN, 55352 in the amount of \$8,376,076.22, 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.

Moved by \_\_\_\_\_ to adopt. **(Council Communication No. 22-017)**

FORM APPROVED:

FUNDS AVAILABLE

s/Kathleen Vanderpool

s/Nickolas J. Schaul

Kathleen Vanderpool  
Deputy City Attorney

Nickolas J. Schaul  
Director of Finance

Funding Source: 2021-2022 CIP, Page 98, Closes Creek Watershed Improvements, SM068, Being: \$2,500,000 of Stormwater Utility Bonds Issued; \$4,402,133.22 Stormwater Utility Bonds to be issued, \$1,100,000 in G.O. bonds to be issued transferred from ST286 - Franklin Ave - Beaver Ave to Merle Hay Road, and the remaining \$373,943 from Des Moines Water Works

SLN  
PW

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

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.

MOTION CARRIED APPROVED

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk

TABULATED BY: N Smith APPROVED BY P. Way  
CHECKED BY: [Signature]

**CONTRACTOR'S BID TABULATION**  
PROJECT: CLOSSES CREEK STORM SEWER IMPROVEMENTS PHASE 3

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT		
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
1	Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00	\$125,000.00	\$125,000.00	\$9,000.00	\$9,000.00	\$11,000.00	\$11,000.00
2	Topsoil, On-Site	500	CY	\$25.00	\$12,500.00	\$36.00	\$18,000.00	\$75.00	\$37,500.00	\$21.00	\$10,500.00
3	Excavation, Class 10	2500	CY	\$25.00	\$62,500.00	\$60.00	\$150,000.00	\$26.00	\$65,000.00	\$21.00	\$52,500.00
4	Below Grade Excavation (Core Out)	500	CY	\$30.00	\$15,000.00	\$19.25	\$9,625.00	\$42.00	\$21,000.00	\$21.00	\$10,500.00
5	Subgrade Preparation	11634	SY	\$8.00	\$93,072.00	\$3.40	\$39,555.60	\$8.50	\$98,889.00	\$10.00	\$116,340.00
6	Subgrade Treatment, Geogrid, Type 2	2327	SY	\$5.00	\$11,635.00	\$3.80	\$8,842.60	\$7.00	\$16,289.00	\$5.00	\$11,635.00
7	Subbase, Modified, 6 in	8297	SY	\$15.00	\$124,455.00	\$11.80	\$97,904.60	\$20.00	\$165,940.00	\$14.00	\$116,158.00
8	Subbase, Special Backfill, 6 in	3338	SY	\$15.00	\$50,070.00	\$12.10	\$40,389.80	\$22.00	\$73,436.00	\$17.50	\$58,415.00
9	Class A Roadstone	3600	TON	\$35.00	\$126,000.00	\$31.35	\$112,860.00	\$32.00	\$115,200.00	\$38.50	\$138,600.00
10	Trench Foundation	500	TON	\$40.00	\$20,000.00	\$44.00	\$22,000.00	\$50.00	\$25,000.00	\$45.50	\$22,750.00
11	Imported Granular Backfill	5000	TON	\$40.00	\$200,000.00	\$36.50	\$182,500.00	\$45.00	\$225,000.00	\$38.50	\$192,500.00
12	Special Pipe Support	23	EA	\$3,000.00	\$69,000.00	\$2,950.00	\$67,850.00	\$5,800.00	\$133,400.00	\$1,400.00	\$32,200.00
13	Sanitary Sewer Gravity Main, Trenched, DIP, 8"	30	LF	\$250.00	\$7,500.00	\$485.00	\$14,550.00	\$500.00	\$15,000.00	\$273.00	\$8,190.00
14	Sanitary Sewer Gravity Main, Trenched, DIP, 10"	143	LF	\$300.00	\$42,900.00	\$558.00	\$79,794.00	\$505.00	\$72,215.00	\$378.00	\$54,054.00
15	Sanitary Sewer Gravity Main, Trenched, DIP, 12"	30	LF	\$350.00	\$10,500.00	\$575.00	\$17,250.00	\$485.00	\$14,550.00	\$546.00	\$16,380.00
16	Sanitary Service Replacement	41	EA	\$5,000.00	\$205,000.00	\$1,790.00	\$73,390.00	\$2,550.00	\$104,550.00	\$4,410.00	\$180,810.00
17	Storm Sewer, Trenched, 15 in	510	LF	\$150.00	\$76,500.00	\$91.00	\$46,410.00	\$165.00	\$84,150.00	\$196.00	\$99,960.00
18	Storm Sewer, Trenched, 18 in	203	LF	\$175.00	\$35,525.00	\$94.00	\$19,082.00	\$170.00	\$34,510.00	\$203.00	\$41,209.00
19	Storm Sewer, Trenched, 24 in	153	LF	\$200.00	\$30,600.00	\$122.00	\$18,666.00	\$192.00	\$29,376.00	\$280.00	\$42,840.00
20	Storm Sewer, Trenched, RCP, 30 in, Class IV	26	LF	\$220.00	\$5,720.00	\$202.00	\$5,252.00	\$195.00	\$5,070.00	\$322.00	\$8,372.00
21	Storm Sewer, Trenched, RCP, 36 in	83	LF	\$240.00	\$19,920.00	\$167.00	\$13,861.00	\$220.00	\$18,260.00	\$343.00	\$28,469.00
22	Storm Sewer, Trenched, RCP, 36 in, Class IV	1234	LF	\$260.00	\$320,840.00	\$196.00	\$241,864.00	\$240.00	\$296,160.00	\$357.00	\$440,538.00
23	Storm Sewer, Trenched, DIP, 36 in	32	LF	\$350.00	\$11,200.00	\$460.00	\$14,720.00	\$475.00	\$15,200.00	\$700.00	\$22,400.00
24	Storm Sewer, Trenched, RCP, 60 in, Class IV	1417	LF	\$475.00	\$673,075.00	\$343.00	\$486,031.00	\$400.00	\$566,800.00	\$427.00	\$605,059.00
25	Storm Sewer, Trenched, RCP, 72 in, Class IV	149	LF	\$600.00	\$89,400.00	\$590.00	\$87,910.00	\$500.00	\$74,500.00	\$749.00	\$111,601.00
26	Storm Sewer, Trenchless, RCP, 36 in	170	LF	\$1,250.00	\$212,500.00	\$1,660.00	\$282,200.00	\$1,450.00	\$246,500.00	\$1,210.00	\$205,700.00
27	Storm Sewer, Trenchless, RCP, 60 in	500	LF	\$1,750.00	\$875,000.00	\$1,440.00	\$720,000.00	\$1,550.00	\$775,000.00	\$1,430.00	\$715,000.00
28	Storm Sewer, Trenchless, RCP, 72 in	360	LF	\$2,250.00	\$810,000.00	\$1,460.00	\$525,600.00	\$1,375.00	\$495,000.00	\$1,540.00	\$554,400.00
29	Removal of Storm Sewer, RCP, =<30 in	1186	LF	\$30.00	\$35,580.00	\$31.00	\$36,766.00	\$30.00	\$35,580.00	\$28.00	\$33,208.00
30	Removal of Storm Sewer, RCP, >36 in	62	LF	\$40.00	\$2,480.00	\$52.00	\$3,224.00	\$36.00	\$2,232.00	\$42.00	\$2,604.00
31	Storm Sewer Abandonment, Fill and Plug	49	CY	\$125.00	\$6,125.00	\$590.00	\$28,910.00	\$250.00	\$12,250.00	\$280.00	\$13,720.00
32	Reinforced Concrete Box (RCB), Single Cell, 6 ft x 4 ft	78	LF	\$850.00	\$66,300.00	\$868.00	\$67,704.00	\$935.00	\$72,930.00	\$954.00	\$74,412.00
33	Subdrain, Type 1, 8 in	2840	LF	\$30.00	\$85,200.00	\$26.50	\$75,260.00	\$30.00	\$85,200.00	\$20.00	\$56,800.00
34	Footing Drain Collector, 10 in, Trenchless	542	LF	\$120.00	\$65,040.00	\$274.00	\$148,508.00	\$202.00	\$109,484.00	\$156.00	\$84,552.00
35	Subdrain Cleanout, Type A-1, 6 in	14	EA	\$1,000.00	\$14,000.00	\$700.00	\$9,800.00	\$1,225.00	\$17,150.00	\$500.00	\$7,000.00
36	Subdrain Outlet and Connections, 8 in	32	EA	\$1,000.00	\$32,000.00	\$890.00	\$28,480.00	\$480.00	\$15,360.00	\$1,500.00	\$48,000.00
37	Footing Drain Outlet and Connection, 12 in	2	EA	\$1,000.00	\$2,000.00	\$895.00	\$1,790.00	\$590.00	\$1,180.00	\$2,400.00	\$4,800.00
38	Storm Sewer Service Stub	10	EA	\$1,250.00	\$12,500.00	\$1,640.00	\$16,400.00	\$900.00	\$9,000.00	\$3,710.00	\$37,100.00
39	Pipe Cleaning and Inspection, 8" Storm Sewer	100	LF	\$10.00	\$1,000.00	\$10.00	\$1,000.00	\$9.00	\$900.00	\$7.00	\$700.00
40	Pipe Cleaning and Inspection, 8" Sanitary Sewer	100	LF	\$10.00	\$1,000.00	\$10.00	\$1,000.00	\$9.00	\$900.00	\$7.00	\$700.00
41	Water Main, Trenched, C900 DR18 PVC, RJ, 8 IN	301	LF	\$200.00	\$60,200.00	\$95.00	\$28,595.00	\$128.00	\$38,528.00	\$175.00	\$52,675.00
42	Water Main, Trenched, C900 DR18 PVC, Stab Joint, 8 IN	2018	LF	\$200.00	\$403,600.00	\$91.00	\$183,638.00	\$125.00	\$252,250.00	\$168.00	\$339,024.00
43	Water Main with Casing Pipe, Trenched, C900 DR18 PVC, RJ, 16 IN. (	40	LF	\$225.00	\$9,000.00	\$243.00	\$9,720.00	\$378.00	\$15,120.00	\$574.00	\$22,960.00
44	Fittings By Weight, Ductile Iron	2600	LB	\$15.00	\$39,000.00	\$14.60	\$37,960.00	\$12.50	\$32,500.00	\$21.00	\$54,600.00
45	Valve, Gate, DIP, 8 IN	10	EA	\$1,000.00	\$10,000.00	\$2,225.00	\$22,250.00	\$2,850.00	\$28,500.00	\$2,870.00	\$28,700.00
46	Fire Hydrant Assembly	6	EA	\$6,000.00	\$36,000.00	\$7,800.00	\$46,800.00	\$7,850.00	\$47,100.00	\$10,920.00	\$65,520.00
47	Foundation Rock	25	TON	\$35.00	\$875.00	\$47.00	\$1,175.00	\$50.00	\$1,250.00	\$182.00	\$4,550.00
48	Thrust Block - Midspan, Pipe 8"	3	EA	\$2,500.00	\$7,500.00	\$1,790.00	\$5,370.00	\$2,000.00	\$6,000.00	\$4,200.00	\$12,600.00
49	1" Water Service Transfer, Opposite Side	4	EA	\$3,500.00	\$14,000.00	\$4,600.00	\$18,400.00	\$4,600.00	\$18,400.00	\$6,020.00	\$24,080.00

ITEM	DESCRIPTION	UNIT			UNIT			UNIT			UNIT		
		QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
50	1" Water Service Transfer, Same Side	14 EA	\$2,500.00	\$35,000.00	\$3,450.00	\$48,300.00	\$2,250.00	\$31,500.00	\$3,325.00	\$46,550.00			
51	Water Service Tap	18 EA	\$1,500.00	\$27,000.00	\$465.00	\$8,370.00	\$2,100.00	\$37,800.00	\$70.00	\$1,260.00			
52	Manhole, Type SW-401, 48 in	3 EA	\$6,500.00	\$19,500.00	\$3,500.00	\$10,500.00	\$6,400.00	\$19,200.00	\$3,955.00	\$11,865.00			
53	Manhole, Type SW-401, 60 in	2 EA	\$7,500.00	\$15,000.00	\$5,900.00	\$11,800.00	\$9,100.00	\$18,200.00	\$7,665.00	\$15,330.00			
54	Manhole, Type SW-401, 78 in	1 EA	\$8,500.00	\$8,500.00	\$12,200.00	\$12,200.00	\$15,500.00	\$15,500.00	\$7,980.00	\$7,980.00			
55	Manhole, Type SW-401, 84 in	1 EA	\$10,000.00	\$10,000.00	\$12,200.00	\$12,200.00	\$1,550.00	\$1,550.00	\$16,835.00	\$16,835.00			
56	Manhole, Type SW-401, Modified, 96 in, 48 in Riser	1 EA	\$20,000.00	\$20,000.00	\$14,700.00	\$14,700.00	\$21,500.00	\$21,500.00	\$14,560.00	\$14,560.00			
57	Manhole, Type SW-401, Modified, 96 in, 60 in Riser	1 EA	\$22,000.00	\$22,000.00	\$15,700.00	\$15,700.00	\$23,000.00	\$23,000.00	\$17,395.00	\$17,395.00			
58	Manhole, Type SW-404, 8 ft x 4 ft, 48 in Riser	1 EA	\$40,000.00	\$40,000.00	\$33,800.00	\$33,800.00	\$42,500.00	\$42,500.00	\$55,895.00	\$55,895.00			
59	Manhole, Type SW-404, 8 ft x 6 ft, 60 in Riser	1 EA	\$50,000.00	\$50,000.00	\$48,200.00	\$48,200.00	\$43,000.00	\$43,000.00	\$64,575.00	\$64,575.00			
60	Manhole, Type SW-404, 10 ft x 6 ft, 48 in Riser	1 EA	\$60,000.00	\$60,000.00	\$50,000.00	\$50,000.00	\$43,000.00	\$43,000.00	\$72,975.00	\$72,975.00			
61	Manhole, Type SW-404, 10 ft x 6 ft, 60 in Riser	1 EA	\$65,000.00	\$65,000.00	\$50,000.00	\$50,000.00	\$45,500.00	\$45,500.00	\$82,495.00	\$82,495.00			
62	Manhole, Type SW-404, 10 ft x 10 ft, 48 in Riser	3 EA	\$75,000.00	\$225,000.00	\$68,000.00	\$204,000.00	\$48,000.00	\$144,000.00	\$86,975.00	\$260,925.00			
63	Manhole, Type SW-405, 48 in	5 EA	\$15,000.00	\$75,000.00	\$21,000.00	\$105,000.00	\$16,500.00	\$82,500.00	\$12,880.00	\$64,400.00			
64	Manhole, Type SW-405, 60 in	2 EA	\$20,000.00	\$40,000.00	\$18,000.00	\$36,000.00	\$17,000.00	\$34,000.00	\$15,645.00	\$31,290.00			
65	Intake, Type SW-505	17 EA	\$10,000.00	\$170,000.00	\$14,000.00	\$238,000.00	\$11,500.00	\$195,500.00	\$18,235.00	\$309,995.00			
66	Intake, Type SW-506, Modified	2 EA	\$15,000.00	\$30,000.00	\$19,000.00	\$38,000.00	\$14,500.00	\$29,000.00	\$22,925.00	\$45,850.00			
67	Intake, Type SW-509	12 EA	\$15,000.00	\$180,000.00	\$16,000.00	\$192,000.00	\$16,000.00	\$192,000.00	\$28,490.00	\$341,880.00			
68	Intake, Type SW-541	2 EA	\$15,000.00	\$30,000.00	\$12,350.00	\$24,700.00	\$18,500.00	\$37,000.00	\$31,990.00	\$63,980.00			
69	Intake, Type SW-541, Modified	1 EA	\$15,000.00	\$15,000.00	\$12,850.00	\$12,850.00	\$18,500.00	\$18,500.00	\$35,490.00	\$35,490.00			
70	Intake, Type SW-542	2 EA	\$3,000.00	\$6,000.00	\$8,300.00	\$16,600.00	\$18,500.00	\$37,000.00	\$35,490.00	\$70,980.00			
71	Intake, Type SW-545, 12 ft Curb Opening	1 EA	\$15,000.00	\$15,000.00	\$17,400.00	\$17,400.00	\$18,500.00	\$18,500.00	\$35,490.00	\$35,490.00			
72	Intake, Type SW-545, 14 ft Curb Opening	1 EA	\$17,500.00	\$17,500.00	\$17,500.00	\$17,500.00	\$20,000.00	\$20,000.00	\$35,490.00	\$35,490.00			
73	Intake, PVC Catch Basin, 8"	1 EA	\$2,500.00	\$2,500.00	\$5,950.00	\$5,950.00	\$2,300.00	\$2,300.00	\$4,900.00	\$4,900.00			
74	Manhole Adjustment, Minor	14 EA	\$2,500.00	\$35,000.00	\$3,650.00	\$51,100.00	\$2,800.00	\$39,200.00	\$3,150.00	\$44,100.00			
75	Connection to Existing Intake	2 EA	\$2,500.00	\$5,000.00	\$3,100.00	\$6,200.00	\$2,600.00	\$5,200.00	\$7,000.00	\$14,000.00			
76	Connection to Existing RCB	1 EA	\$10,000.00	\$10,000.00	\$13,250.00	\$13,250.00	\$14,000.00	\$14,000.00	\$10,500.00	\$10,500.00			
77	Connection to Existing Sewer	2 EA	\$2,500.00	\$5,000.00	\$2,000.00	\$4,000.00	\$6,000.00	\$12,000.00	\$10,500.00	\$21,000.00			
78	Connection to Existing Manhole	1 EA	\$2,500.00	\$2,500.00	\$2,100.00	\$2,100.00	\$3,800.00	\$3,800.00	\$7,000.00	\$7,000.00			
79	Remove Intake	17 EA	\$1,000.00	\$17,000.00	\$1,350.00	\$22,950.00	\$1,100.00	\$18,700.00	\$700.00	\$11,900.00			
80	Remove Manhole, Standard	9 EA	\$1,500.00	\$13,500.00	\$1,350.00	\$12,150.00	\$1,100.00	\$9,900.00	\$700.00	\$6,300.00			
81	Pavement, PCC, 8 in	7502 SY	\$75.00	\$562,650.00	\$79.00	\$592,658.00	\$78.00	\$570,152.00	\$88.00	\$660,176.00			
82	Curb and Gutter, 2', 8 in	1750 LF	\$45.00	\$78,750.00	\$37.50	\$65,625.00	\$28.00	\$49,000.00	\$26.00	\$45,500.00			
83	PCC Pavement Samples and Testing	1 LS	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$8,500.00	\$8,500.00	\$5,500.00	\$5,500.00			
84	Pavement, 4" HMA ST Base, 1" Mix, PG 58-28 S	3338 SY	\$30.00	\$100,140.00	\$21.50	\$71,767.00	\$25.00	\$83,450.00	\$22.00	\$73,436.00			
85	Pavement, 2" HMA ST Intermediate, 3/4" Mix, PG 58-28 S	3338 SY	\$20.00	\$66,760.00	\$10.50	\$35,049.00	\$15.00	\$50,070.00	\$11.00	\$36,718.00			
86	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 V	1200 TON	\$110.00	\$132,000.00	\$96.00	\$115,200.00	\$105.00	\$126,000.00	\$86.00	\$103,200.00			
87	HMA Pavement Samples and Testing	1 LS	\$4,750.00	\$4,750.00	\$715.00	\$715.00	\$1,750.00	\$1,750.00	\$1,870.00	\$1,870.00			
88	Removal of Sidewalk	1017 SY	\$15.00	\$15,255.00	\$4.00	\$4,068.00	\$25.00	\$25,425.00	\$14.00	\$14,238.00			
89	Removal of Driveway	543 SY	\$15.00	\$8,145.00	\$4.00	\$2,172.00	\$30.00	\$16,290.00	\$14.00	\$7,602.00			
90	Sidewalk, PCC, 4 in	1488 SY	\$45.00	\$66,960.00	\$57.00	\$84,816.00	\$58.00	\$86,304.00	\$49.50	\$73,656.00			
91	Sidewalk, PCC, 6 in	225 SY	\$60.00	\$13,500.00	\$67.00	\$15,075.00	\$70.00	\$15,750.00	\$66.00	\$14,850.00			
92	Detectable Warnings	368 SF	\$50.00	\$18,400.00	\$48.00	\$17,664.00	\$65.00	\$23,920.00	\$60.50	\$22,264.00			
93	Driveway, Paved, PCC, 6 in	647 SY	\$60.00	\$38,820.00	\$67.00	\$43,349.00	\$75.00	\$48,525.00	\$66.00	\$42,702.00			
94	Full Depth Patches, Composite	760 SY	\$125.00	\$95,000.00	\$103.00	\$78,280.00	\$235.00	\$178,600.00	\$137.50	\$104,500.00			
95	Milling	6003 SY	\$5.00	\$30,015.00	\$4.00	\$24,012.00	\$5.00	\$30,015.00	\$4.00	\$24,012.00			
96	Pavement Removal	10334 SY	\$15.00	\$155,010.00	\$6.75	\$69,754.50	\$19.00	\$196,346.00	\$14.00	\$144,676.00			
97	Curb and Gutter Removal	242 LF	\$15.00	\$3,630.00	\$12.50	\$3,025.00	\$20.00	\$4,840.00	\$14.00	\$3,388.00			
98	Traffic Signalization	1 LS	\$160,000.00	\$160,000.00	\$200,000.00	\$200,000.00	\$215,000.00	\$215,000.00	\$212,300.00	\$212,300.00			
99	Painted Pavement Markings, Solvent/Waterborne	125 STA	\$60.00	\$7,500.00	\$71.50	\$8,937.50	\$80.00	\$10,000.00	\$105.00	\$13,125.00			
100	Painted Pavement Markings, Durable	5 STA	\$350.00	\$1,750.00	\$490.00	\$2,450.00	\$765.00	\$3,825.00	\$1,015.00	\$5,075.00			
101	Permanent Tape Markings	95 STA	\$500.00	\$47,500.00	\$560.00	\$53,200.00	\$630.00	\$59,850.00	\$833.00	\$79,135.00			
102	Painted Symbols and Legends	22 EA	\$200.00	\$4,400.00	\$112.00	\$2,464.00	\$110.00	\$2,420.00	\$140.00	\$3,080.00			
103	Precut Symbols and Legends	12 EA	\$400.00	\$4,800.00	\$316.00	\$3,792.00	\$710.00	\$8,520.00	\$945.00	\$11,340.00			
104	Pavement Markings Removed	21.21 STA	\$50.00	\$1,060.50	\$72.00	\$1,527.12	\$105.00	\$2,227.05	\$100.00	\$2,121.00			
105	Grooves Cut for Pavement Markings	5 STA	\$100.00	\$500.00	\$419.00	\$2,095.00	\$210.00	\$1,050.00	\$280.00	\$1,400.00			
106	Traffic Signs, Permanent	38 EA	\$500.00	\$19,000.00	\$358.00	\$13,604.00	\$275.00	\$10,450.00	\$364.00	\$13,832.00			
107	Perforated Square Steel Tube Sign Posts	20 EA	\$100.00	\$2,000.00	\$205.00	\$4,100.00	\$142.00	\$2,840.00	\$189.00	\$3,780.00			
108	Temporary Traffic Control	1 LS	\$100,000.00	\$100,000.00	\$89,500.00	\$89,500.00	\$95,000.00	\$95,000.00	\$96,250.00	\$96,250.00			

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
109	Hydraulic Seeding, Type 1	1.5 AC	\$6,000.00	\$9,000.00	\$5,100.00	\$7,650.00	\$5,300.00	\$7,950.00	\$7,000.00	\$10,500.00
110	Stormwater Pollution Prevention	1 LS	\$10,000.00	\$10,000.00	\$7,200.00	\$7,200.00	\$7,400.00	\$7,400.00	\$9,800.00	\$9,800.00
111	Erosion Control Mulching, Hydromulching	3 AC	\$4,000.00	\$12,000.00	\$2,050.00	\$6,150.00	\$2,100.00	\$6,300.00	\$2,800.00	\$8,400.00
112	Inlet Protection Device	38 EA	\$200.00	\$7,600.00	\$189.00	\$7,182.00	\$195.00	\$7,410.00	\$259.00	\$9,842.00
113	Inlet Protection Device, Maintenance	38 EA	\$50.00	\$1,900.00	\$55.00	\$2,090.00	\$55.00	\$2,090.00	\$70.00	\$2,660.00
114	Linear Erosion Control	300 LF	\$3.00	\$900.00	\$2.60	\$780.00	\$3.00	\$900.00	\$3.50	\$1,050.00
115	Linear Erosion Control, Removal	300 LF	\$1.00	\$300.00	\$0.55	\$165.00	\$1.00	\$300.00	\$0.50	\$150.00
116	Tree Protection Fence	675 LF	\$5.00	\$3,375.00	\$3.10	\$2,092.50	\$4.00	\$2,700.00	\$4.00	\$2,700.00
117	Construction Survey	1 LS	\$90,000.00	\$90,000.00	\$135,000.00	\$135,000.00	\$40,000.00	\$40,000.00	\$60,200.00	\$60,200.00
118	Mobilization	1 LS	\$372,317.50	\$372,317.50	\$768,700.00	\$768,700.00	\$700,000.00	\$700,000.00	\$296,700.00	\$296,700.00
119	Maintenance of Postal Service	1 LS	\$7,500.00	\$7,500.00	\$19,000.00	\$19,000.00	\$8,000.00	\$8,000.00	\$10,500.00	\$10,500.00
120	Maintenance of Solid Waste Collection	1 LS	\$10,000.00	\$10,000.00	\$23,750.00	\$23,750.00	\$10,000.00	\$10,000.00	\$14,000.00	\$14,000.00
121	Concrete Washout	1 LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$2,800.00	\$2,800.00	\$7,000.00	\$7,000.00
122	Vibration Monitoring	1 LS	\$75,000.00	\$75,000.00	\$145,000.00	\$145,000.00	\$128,000.00	\$128,000.00	\$31,290.00	\$31,290.00
123	Project Sign, Standard	2 EA	\$2,000.00	\$4,000.00	\$510.00	\$1,020.00	\$750.00	\$1,500.00	\$490.00	\$980.00
124	Project Sign, Stormwater	2 EA	\$1,000.00	\$2,000.00	\$510.00	\$1,020.00	\$1,050.00	\$2,100.00	\$700.00	\$1,400.00
TOTAL CONSTRUCTION COST				\$8,750,000.00		\$8,376,076.22		\$8,743,228.05		\$8,986,468.00
PERCENT OF ENGINEER'S ESTIMATE						-4.27%		-0.08%		+2.70%
						Low				

TABULATED BY: N Smith APPROVED BY: *P. Was*  
CHECKED BY: *[Signature]*

Bid Date: 12/21/2021

CONTRACTOR'S BID TABULATION  
PROJECT: CLOSSES CREEK STORM SEWER IMPROVEMENTS PHASE 3

ESTIMATE

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT
1	Clearing and Grubbing	1	LS	\$15,000.00	\$15,000.00
2	Topsoil, On-Site	500	CY	\$25.00	\$12,500.00
3	Excavation, Class 10	2500	CY	\$25.00	\$62,500.00
4	Below Grade Excavation (Core Out)	500	CY	\$30.00	\$15,000.00
5	Subgrade Preparation	11634	SY	\$8.00	\$93,072.00
6	Subgrade Treatment, Geogrid, Type 2	2327	SY	\$5.00	\$11,635.00
7	Subbase, Modified, 6 in	8297	SY	\$15.00	\$124,455.00
8	Subbase, Special Backfill, 6 in	3338	SY	\$15.00	\$50,070.00
9	Class A Roadstone	3600	TON	\$35.00	\$126,000.00
10	Trench Foundation	500	TON	\$40.00	\$20,000.00
11	Imported Granular Backfill	5000	TON	\$40.00	\$200,000.00
12	Special Pipe Support	23	EA	\$3,000.00	\$69,000.00
13	Sanitary Sewer Gravity Main, Trenched, DIP, 8"	30	LF	\$250.00	\$7,500.00
14	Sanitary Sewer Gravity Main, Trenched, DIP, 10"	143	LF	\$300.00	\$42,900.00
15	Sanitary Sewer Gravity Main, Trenched, DIP, 12"	30	LF	\$350.00	\$10,500.00
16	Sanitary Service Replacement	41	EA	\$5,000.00	\$205,000.00
17	Storm Sewer, Trenched, 15 in	510	LF	\$150.00	\$76,500.00
18	Storm Sewer, Trenched, 18 in	203	LF	\$175.00	\$35,525.00
19	Storm Sewer, Trenched, 24 in	153	LF	\$200.00	\$30,600.00
20	Storm Sewer, Trenched, RCP, 30 in, Class IV	26	LF	\$220.00	\$5,720.00
21	Storm Sewer, Trenched, RCP, 36 in	83	LF	\$240.00	\$19,920.00
22	Storm Sewer, Trenched, RCP, 36 in, Class IV	1234	LF	\$260.00	\$320,840.00
23	Storm Sewer, Trenched, DIP, 36 in	32	LF	\$350.00	\$11,200.00
24	Storm Sewer, Trenched, RCP, 60 in, Class IV	1417	LF	\$475.00	\$673,075.00
25	Storm Sewer, Trenched, RCP, 72 in, Class IV	149	LF	\$600.00	\$89,400.00
26	Storm Sewer, Trenchless, RCP, 36 in	170	LF	\$1,250.00	\$212,500.00
27	Storm Sewer, Trenchless, RCP, 60 in	500	LF	\$1,750.00	\$875,000.00
28	Storm Sewer, Trenchless, RCP, 72 in	360	LF	\$2,250.00	\$810,000.00
29	Removal of Storm Sewer, RCP, <=30 in	1186	LF	\$30.00	\$35,580.00
30	Removal of Storm Sewer, RCP, >36 in	62	LF	\$40.00	\$2,480.00
31	Storm Sewer Abandonment, Fill and Plug	49	CY	\$125.00	\$6,125.00
32	Reinforced Concrete Box (RCB), Single Cell, 6 ft x 4 ft	78	LF	\$850.00	\$66,300.00
33	Subdrain, Type 1, 8 in	2840	LF	\$30.00	\$85,200.00
34	Footing Drain Collector, 10 in, Trenchless	542	LF	\$120.00	\$65,040.00
35	Subdrain Cleanout, Type A-1, 6 in	14	EA	\$1,000.00	\$14,000.00
36	Subdrain Outlet and Connections, 8 in	32	EA	\$1,000.00	\$32,000.00
37	Footing Drain Outlet and Connection, 12 in	2	EA	\$1,000.00	\$2,000.00
38	Storm Sewer Service Stub	10	EA	\$1,250.00	\$12,500.00
39	Pipe Cleaning and Inspection, 8" Storm Sewer	100	LF	\$10.00	\$1,000.00
40	Pipe Cleaning and Inspection, 8" Sanitary Sewer	100	LF	\$10.00	\$1,000.00
41	Water Main, Trenched, C900 DR18 PVC, RJ, 8 IN	301	LF	\$200.00	\$60,200.00
42	Water Main, Trenched, C900 DR18 PVC, Stab Joint, 8 IN	2018	LF	\$200.00	\$403,600.00
43	Water Main with Casing Pipe, Trenched, C900 DR18 PVC, RJ, 16 IN. (	40	LF	\$225.00	\$9,000.00
44	Fittings By Weight, Ductile Iron	2600	LB	\$15.00	\$39,000.00
45	Valve, Gate, DIP, 8 IN	10	EA	\$1,000.00	\$10,000.00
46	Fire Hydrant Assembly	6	EA	\$6,000.00	\$36,000.00
47	Foundation Rock	25	TON	\$35.00	\$875.00
48	Thrust Block - Midspan, Pipe 8"	3	EA	\$2,500.00	\$7,500.00
49	1" Water Service Transfer, Opposite Side	4	EA	\$3,500.00	\$14,000.00

Raccoon Valley Contractors  
Waukee, IA

BID SECURITY  
10% Bid Bond

BID PRICE

UNIT	PRICE	AMOUNT
UNIT	PRICE	AMOUNT
\$40,000.00	\$40,000.00	\$40,000.00
\$51.50	\$25,750.00	\$51.50
\$20.60	\$51,500.00	\$20.60
\$20.60	\$10,300.00	\$20.60
\$6.18	\$71,898.12	\$6.18
\$6.18	\$14,380.86	\$6.18
\$14.42	\$119,642.74	\$14.42
\$12.36	\$41,257.68	\$12.36
\$48.00	\$172,800.00	\$48.00
\$40.00	\$20,000.00	\$40.00
\$40.00	\$200,000.00	\$40.00
\$3,000.00	\$69,000.00	\$3,000.00
\$450.00	\$13,500.00	\$450.00
\$400.00	\$57,200.00	\$400.00
\$520.00	\$15,600.00	\$520.00
\$4,552.00	\$186,632.00	\$4,552.00
\$371.00	\$189,210.00	\$371.00
\$375.00	\$76,125.00	\$375.00
\$390.00	\$59,670.00	\$390.00
\$945.00	\$24,570.00	\$945.00
\$343.00	\$28,469.00	\$343.00
\$326.00	\$402,284.00	\$326.00
\$950.00	\$30,400.00	\$950.00
\$528.00	\$748,176.00	\$528.00
\$1,302.00	\$193,998.00	\$1,302.00
\$1,395.00	\$237,150.00	\$1,395.00
\$1,496.00	\$748,000.00	\$1,496.00
\$1,346.00	\$484,560.00	\$1,346.00
\$41.00	\$48,626.00	\$41.00
\$51.00	\$3,162.00	\$51.00
\$259.00	\$12,691.00	\$259.00
\$909.00	\$70,902.00	\$909.00
\$31.00	\$88,040.00	\$31.00
\$125.00	\$67,750.00	\$125.00
\$2,574.00	\$36,036.00	\$2,574.00
\$2,574.00	\$82,368.00	\$2,574.00
\$3,605.00	\$7,210.00	\$3,605.00
\$3,605.00	\$36,050.00	\$3,605.00
\$20.00	\$2,000.00	\$20.00
\$20.00	\$2,000.00	\$20.00
\$100.00	\$30,100.00	\$100.00
\$100.00	\$201,800.00	\$100.00
\$355.00	\$14,200.00	\$355.00
\$12.18	\$31,668.00	\$12.18
\$1,500.00	\$15,000.00	\$1,500.00
\$4,900.00	\$29,400.00	\$4,900.00
\$42.00	\$1,050.00	\$42.00
\$4,000.00	\$12,000.00	\$4,000.00
\$4,100.00	\$16,400.00	\$4,100.00

Rognes Corp  
Ankeny, IA

BID SECURITY  
10% Bid Bond

BID PRICE

UNIT	PRICE	AMOUNT
UNIT	PRICE	AMOUNT
\$10,000.00	\$10,000.00	\$10,000.00
\$20.00	\$10,000.00	\$20.00
\$28.00	\$70,000.00	\$28.00
\$12.00	\$6,000.00	\$12.00
\$7.00	\$81,438.00	\$7.00
\$4.00	\$9,308.00	\$4.00
\$14.00	\$116,158.00	\$14.00
\$14.00	\$46,732.00	\$14.00
\$36.00	\$129,600.00	\$36.00
\$50.00	\$25,000.00	\$50.00
\$45.00	\$225,000.00	\$45.00
\$3,500.00	\$80,500.00	\$3,500.00
\$260.00	\$7,800.00	\$260.00
\$265.00	\$37,895.00	\$265.00
\$325.00	\$9,750.00	\$325.00
\$4,850.00	\$198,850.00	\$4,850.00
\$145.00	\$73,950.00	\$145.00
\$155.00	\$31,465.00	\$155.00
\$168.00	\$25,704.00	\$168.00
\$425.00	\$11,050.00	\$425.00
\$325.00	\$26,975.00	\$325.00
\$465.00	\$573,810.00	\$465.00
\$650.00	\$20,800.00	\$650.00
\$600.00	\$850,200.00	\$600.00
\$765.00	\$113,985.00	\$765.00
\$1,350.00	\$229,500.00	\$1,350.00
\$1,750.00	\$875,000.00	\$1,750.00
\$2,150.00	\$774,000.00	\$2,150.00
\$55.00	\$65,230.00	\$55.00
\$70.00	\$4,340.00	\$70.00
\$180.00	\$8,820.00	\$180.00
\$775.00	\$60,450.00	\$775.00
\$35.00	\$99,400.00	\$35.00
\$120.00	\$65,040.00	\$120.00
\$1,000.00	\$14,000.00	\$1,000.00
\$1,100.00	\$35,200.00	\$1,100.00
\$1,150.00	\$2,300.00	\$1,150.00
\$1,150.00	\$11,500.00	\$1,150.00
\$12.00	\$1,200.00	\$12.00
\$12.00	\$1,200.00	\$12.00
\$198.00	\$59,598.00	\$198.00
\$175.00	\$353,150.00	\$175.00
\$400.00	\$16,000.00	\$400.00
\$17.00	\$44,200.00	\$17.00
\$2,750.00	\$27,500.00	\$2,750.00
\$6,000.00	\$36,000.00	\$6,000.00
\$40.00	\$1,000.00	\$40.00
\$1,500.00	\$4,500.00	\$1,500.00
\$3,800.00	\$15,200.00	\$3,800.00

Corell Contractor, Inc.  
West Des Moines, IA

BID SECURITY  
10% Bid Bond

BID PRICE

UNIT	PRICE	AMOUNT
UNIT	PRICE	AMOUNT
\$15,400.00	\$15,400.00	\$15,400.00
\$54.00	\$27,000.00	\$54.00
\$32.00	\$80,000.00	\$32.00
\$37.00	\$18,500.00	\$37.00
\$6.00	\$69,804.00	\$6.00
\$6.00	\$13,962.00	\$6.00
\$13.00	\$107,861.00	\$13.00
\$12.00	\$40,056.00	\$12.00
\$55.00	\$198,000.00	\$55.00
\$45.00	\$22,500.00	\$45.00
\$55.00	\$275,000.00	\$55.00
\$3,600.00	\$82,800.00	\$3,600.00
\$535.00	\$16,050.00	\$535.00
\$590.00	\$84,370.00	\$590.00
\$812.00	\$24,360.00	\$812.00
\$11,700.00	\$479,700.00	\$11,700.00
\$283.00	\$144,330.00	\$283.00
\$284.00	\$57,652.00	\$284.00
\$478.00	\$73,134.00	\$478.00
\$585.00	\$15,210.00	\$585.00
\$518.00	\$42,994.00	\$518.00
\$756.00	\$932,904.00	\$756.00
\$2,025.00	\$64,800.00	\$2,025.00
\$848.00	\$1,201,616.00	\$848.00
\$1,235.00	\$184,015.00	\$1,235.00
\$1,727.00	\$293,590.00	\$1,727.00
\$1,582.00	\$791,000.00	\$1,582.00
\$1,450.00	\$522,000.00	\$1,450.00
\$75.00	\$88,950.00	\$75.00
\$75.00	\$4,650.00	\$75.00
\$715.00	\$35,035.00	\$715.00
\$1,080.00	\$84,240.00	\$1,080.00
\$30.00	\$85,200.00	\$30.00
\$180.00	\$100,270.00	\$180.00
\$1,500.00	\$21,000.00	\$1,500.00
\$1,500.00	\$48,000.00	\$1,500.00
\$4,250.00	\$8,500.00	\$4,250.00
\$5,000.00	\$50,000.00	\$5,000.00
\$20.00	\$2,000.00	\$20.00
\$20.00	\$2,000.00	\$20.00
\$330.00	\$99,330.00	\$330.00
\$130.00	\$262,340.00	\$130.00
\$430.00	\$17,200.00	\$430.00
\$17.00	\$44,200.00	\$17.00
\$2,000.00	\$20,000.00	\$2,000.00
\$5,400.00	\$32,400.00	\$5,400.00
\$45.00	\$1,125.00	\$45.00
\$1,400.00	\$4,200.00	\$1,400.00
\$6,500.00	\$26,000.00	\$6,500.00

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
50	1" Water Service Transfer, Same Side	14 EA	\$2,500.00	\$35,000.00	\$3,000.00	\$42,000.00	\$3,200.00	\$44,800.00	\$3,800.00	\$53,200.00
51	Water Service Tap	18 EA	\$1,500.00	\$27,000.00	\$1,545.00	\$27,810.00	\$4,000.00	\$72,000.00	\$1,750.00	\$31,500.00
52	Manhole, Type SW-401, 48 in	3 EA	\$6,500.00	\$19,500.00	\$7,000.00	\$21,000.00	\$4,500.00	\$13,500.00	\$5,800.00	\$17,400.00
53	Manhole, Type SW-401, 60 in	2 EA	\$7,500.00	\$15,000.00	\$6,000.00	\$12,000.00	\$11,000.00	\$22,000.00	\$9,400.00	\$18,800.00
54	Manhole, Type SW-401, 78 in	1 EA	\$8,500.00	\$8,500.00	\$16,000.00	\$16,000.00	\$29,250.00	\$29,250.00	\$14,600.00	\$14,600.00
55	Manhole, Type SW-401, 84 in	1 EA	\$10,000.00	\$10,000.00	\$17,000.00	\$17,000.00	\$29,250.00	\$29,250.00	\$24,800.00	\$24,800.00
56	Manhole, Type SW-401, Modified, 96 in, 48 in Riser	1 EA	\$20,000.00	\$20,000.00	\$19,000.00	\$19,000.00	\$32,000.00	\$32,000.00	\$23,000.00	\$23,000.00
57	Manhole, Type SW-401, Modified, 96 in, 60 in Riser	1 EA	\$22,000.00	\$22,000.00	\$22,000.00	\$22,000.00	\$34,000.00	\$34,000.00	\$24,600.00	\$24,600.00
58	Manhole, Type SW-404, 8 ft x 4 ft, 48 in Riser	1 EA	\$40,000.00	\$40,000.00	\$30,000.00	\$30,000.00	\$36,500.00	\$36,500.00	\$24,600.00	\$24,600.00
59	Manhole, Type SW-404, 8 ft x 6 ft, 60 in Riser	1 EA	\$50,000.00	\$50,000.00	\$45,000.00	\$45,000.00	\$41,500.00	\$41,500.00	\$31,700.00	\$31,700.00
60	Manhole, Type SW-404, 10 ft x 6 ft, 48 in Riser	1 EA	\$60,000.00	\$60,000.00	\$50,000.00	\$50,000.00	\$64,500.00	\$64,500.00	\$35,400.00	\$35,400.00
61	Manhole, Type SW-404, 10 ft x 6 ft, 60 in Riser	1 EA	\$65,000.00	\$65,000.00	\$50,000.00	\$50,000.00	\$65,500.00	\$65,500.00	\$36,000.00	\$36,000.00
62	Manhole, Type SW-404, 10 ft x 10 ft, 48 in Riser	3 EA	\$75,000.00	\$225,000.00	\$55,000.00	\$165,000.00	\$74,000.00	\$222,000.00	\$40,300.00	\$120,900.00
63	Manhole, Type SW-405, 48 in	5 EA	\$15,000.00	\$75,000.00	\$14,000.00	\$70,000.00	\$17,000.00	\$85,000.00	\$12,100.00	\$60,500.00
64	Manhole, Type SW-405, 60 in	2 EA	\$20,000.00	\$40,000.00	\$15,000.00	\$30,000.00	\$20,000.00	\$40,000.00	\$13,100.00	\$26,200.00
65	Intake, Type SW-505	17 EA	\$10,000.00	\$170,000.00	\$9,579.00	\$162,843.00	\$10,500.00	\$178,500.00	\$8,500.00	\$144,500.00
66	Intake, Type SW-506, Modified	2 EA	\$15,000.00	\$30,000.00	\$14,000.00	\$28,000.00	\$14,500.00	\$29,000.00	\$14,600.00	\$29,200.00
67	Intake, Type SW-509	12 EA	\$15,000.00	\$180,000.00	\$15,000.00	\$180,000.00	\$18,250.00	\$219,000.00	\$12,000.00	\$144,000.00
68	Intake, Type SW-541	2 EA	\$15,000.00	\$30,000.00	\$13,000.00	\$26,000.00	\$20,000.00	\$40,000.00	\$14,000.00	\$28,000.00
69	Intake, Type SW-541, Modified	1 EA	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00	\$22,000.00	\$22,000.00	\$14,000.00	\$14,000.00
70	Intake, Type SW-542	2 EA	\$3,000.00	\$6,000.00	\$7,158.00	\$14,316.00	\$20,000.00	\$40,000.00	\$4,300.00	\$8,600.00
71	Intake, Type SW-545, 12 ft Curb Opening	1 EA	\$15,000.00	\$15,000.00	\$16,428.00	\$16,428.00	\$25,250.00	\$25,250.00	\$15,400.00	\$15,400.00
72	Intake, Type SW-545, 14 ft Curb Opening	1 EA	\$17,500.00	\$17,500.00	\$18,000.00	\$18,000.00	\$27,250.00	\$27,250.00	\$15,000.00	\$15,000.00
73	Intake, PVC Catch Basin, 8"	1 EA	\$2,500.00	\$2,500.00	\$22,000.00	\$22,000.00	\$3,800.00	\$3,800.00	\$3,900.00	\$3,900.00
74	Manhole Adjustment, Minor	14 EA	\$2,500.00	\$35,000.00	\$2,575.00	\$36,050.00	\$2,600.00	\$36,400.00	\$4,000.00	\$56,000.00
75	Connection to Existing Intake	2 EA	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$3,400.00	\$6,800.00	\$3,000.00	\$6,000.00
76	Connection to Existing RCB	1 EA	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$9,800.00	\$9,800.00	\$3,900.00	\$3,900.00
77	Connection to Existing Sewer	2 EA	\$2,500.00	\$5,000.00	\$3,500.00	\$7,000.00	\$4,600.00	\$9,200.00	\$1,800.00	\$3,600.00
78	Connection to Existing Manhole	1 EA	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$3,400.00	\$3,400.00	\$6,000.00	\$6,000.00
79	Remove Intake	17 EA	\$1,000.00	\$17,000.00	\$1,000.00	\$17,000.00	\$1,850.00	\$31,450.00	\$2,400.00	\$40,800.00
80	Remove Manhole, Standard	9 EA	\$1,500.00	\$13,500.00	\$1,500.00	\$13,500.00	\$1,850.00	\$16,650.00	\$2,400.00	\$21,600.00
81	Pavement, PCC, 8 in	7502 SY	\$75.00	\$562,650.00	\$82.00	\$615,164.00	\$72.00	\$540,144.00	\$78.00	\$585,156.00
82	Curb and Gutter, 2', 8 in	1750 LF	\$45.00	\$78,750.00	\$26.00	\$45,500.00	\$26.00	\$45,500.00	\$35.00	\$61,250.00
83	PCC Pavement Samples and Testing	1 LS	\$6,000.00	\$6,000.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00
84	Pavement, 4" HMA ST Base, 1" Mix, PG 58-28 S	3338 SY	\$30.00	\$100,140.00	\$21.63	\$72,200.94	\$18.50	\$61,753.00	\$20.00	\$66,760.00
85	Pavement, 2" HMA ST Intermediate, 3/4" Mix, PG 58-28 S	3338 SY	\$20.00	\$66,760.00	\$12.88	\$42,993.44	\$9.25	\$30,876.50	\$10.00	\$33,380.00
86	Pavement, HMA ST Surface, 1/2" Mix, No Fric., PG 58-28 V	1200 TON	\$110.00	\$132,000.00	\$101.97	\$122,364.00	\$90.00	\$108,000.00	\$98.00	\$117,600.00
87	HMA Pavement Samples and Testing	1 LS	\$4,750.00	\$4,750.00	\$1,751.00	\$1,751.00	\$1,850.00	\$1,850.00	\$2,000.00	\$2,000.00
88	Removal of Sidewalk	1017 SY	\$15.00	\$15,255.00	\$12.00	\$12,204.00	\$11.00	\$11,187.00	\$17.00	\$17,289.00
89	Removal of Driveway	543 SY	\$15.00	\$8,145.00	\$12.00	\$6,516.00	\$11.00	\$5,973.00	\$25.00	\$13,575.00
90	Sidewalk, PCC, 4 in	1488 SY	\$45.00	\$66,960.00	\$46.00	\$68,448.00	\$60.00	\$89,280.00	\$55.00	\$81,840.00
91	Sidewalk, PCC, 6 in	225 SY	\$60.00	\$13,500.00	\$200.00	\$45,000.00	\$65.00	\$14,625.00	\$226.00	\$50,850.00
92	Detectable Warnings	368 SF	\$50.00	\$18,400.00	\$50.00	\$18,400.00	\$50.00	\$18,400.00	\$55.00	\$20,240.00
93	Driveway, Paved, PCC, 6 in	647 SY	\$60.00	\$38,820.00	\$80.00	\$51,760.00	\$65.00	\$42,055.00	\$94.00	\$60,818.00
94	Full Depth Patches, Composite	760 SY	\$125.00	\$95,000.00	\$139.00	\$106,640.00	\$140.00	\$106,400.00	\$185.00	\$140,600.00
95	Milling	6003 SY	\$5.00	\$30,015.00	\$4.50	\$27,013.50	\$3.25	\$19,509.75	\$3.50	\$21,010.50
96	Pavement Removal	10334 SY	\$15.00	\$155,010.00	\$15.00	\$155,010.00	\$13.00	\$134,342.00	\$16.75	\$173,094.50
97	Curb and Gutter Removal	242 LF	\$15.00	\$3,630.00	\$15.00	\$3,630.00	\$10.00	\$2,420.00	\$35.00	\$8,470.00
98	Traffic Signalization	1 LS	\$160,000.00	\$160,000.00	\$203,000.00	\$203,000.00	\$195,000.00	\$195,000.00	\$208,000.00	\$208,000.00
99	Painted Pavement Markings, Solvent/Waterborne	125 STA	\$60.00	\$7,500.00	\$77.00	\$9,625.00	\$70.00	\$8,750.00	\$77.00	\$9,625.00
100	Painted Pavement Markings, Durable	5 STA	\$350.00	\$1,750.00	\$745.00	\$3,725.00	\$480.00	\$2,400.00	\$528.00	\$2,640.00
101	Permanent Tape Markings	95 STA	\$500.00	\$47,500.00	\$612.00	\$58,140.00	\$550.00	\$52,250.00	\$605.00	\$57,475.00
102	Painted Symbols and Legends	22 EA	\$200.00	\$4,400.00	\$103.00	\$2,266.00	\$110.00	\$2,420.00	\$121.00	\$2,662.00
103	Precut Symbols and Legends	12 EA	\$400.00	\$4,800.00	\$695.00	\$8,340.00	\$310.00	\$3,720.00	\$341.00	\$4,092.00
104	Pavement Markings Removed	21.21 STA	\$50.00	\$1,060.50	\$102.00	\$2,163.42	\$70.00	\$1,484.70	\$77.00	\$1,633.17
105	Grooves Cut for Pavement Markings	5 STA	\$100.00	\$500.00	\$203.00	\$1,015.00	\$410.00	\$2,050.00	\$451.00	\$2,255.00
106	Traffic Signs, Permanent	38 EA	\$500.00	\$19,000.00	\$267.00	\$10,146.00	\$380.00	\$14,440.00	\$385.00	\$14,630.00
107	Perforated Square Steel Tube Sign Posts	20 EA	\$100.00	\$2,000.00	\$139.00	\$2,780.00	\$200.00	\$4,000.00	\$220.00	\$4,400.00
108	Temporary Traffic Control	1 LS	\$100,000.00	\$100,000.00	\$90,000.00	\$90,000.00	\$87,700.00	\$87,700.00	\$96,500.00	\$96,500.00

ITEM	DESCRIPTION	UNIT			UNIT		UNIT		UNIT		
		QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	
109	Hydraulic Seeding, Type 1	1.5	AC	\$6,000.00	\$9,000.00	\$5,100.00	\$7,650.00	\$5,000.00	\$7,500.00	\$5,500.00	\$8,250.00
110	Stormwater Pollution Prevention	1	LS	\$10,000.00	\$10,000.00	\$7,100.00	\$7,100.00	\$7,000.00	\$7,000.00	\$7,700.00	\$7,700.00
111	Erosion Control Mulching, Hydromulching	3	AC	\$4,000.00	\$12,000.00	\$2,000.00	\$6,000.00	\$2,000.00	\$6,000.00	\$2,200.00	\$6,600.00
112	Inlet Protection Device	38	EA	\$200.00	\$7,600.00	\$150.00	\$5,700.00	\$185.00	\$7,030.00	\$205.00	\$7,790.00
113	Inlet Protection Device, Maintenance	38	EA	\$50.00	\$1,900.00	\$50.00	\$1,900.00	\$50.00	\$1,900.00	\$55.00	\$2,090.00
114	Linear Erosion Control	300	LF	\$3.00	\$900.00	\$2.50	\$750.00	\$2.50	\$750.00	\$2.75	\$825.00
115	Linear Erosion Control, Removal	300	LF	\$1.00	\$300.00	\$52.00	\$15,600.00	\$0.50	\$150.00	\$0.55	\$165.00
116	Tree Protection Fence	675	LF	\$5.00	\$3,375.00	\$3.00	\$2,025.00	\$3.00	\$2,025.00	\$4.00	\$2,700.00
117	Construction Survey	1	LS	\$90,000.00	\$90,000.00	\$50,000.00	\$50,000.00	\$32,500.00	\$32,500.00	\$50,000.00	\$50,000.00
118	Mobilization	1	LS	\$372,317.50	\$372,317.50	\$955,075.00	\$955,075.00	\$543,517.05	\$543,517.05	\$438,176.00	\$438,176.00
119	Maintenance of Postal Service	1	LS	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$7,500.00	\$7,500.00	\$5,500.00	\$5,500.00
120	Maintenance of Solid Waste Collection	1	LS	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$28,000.00	\$28,000.00
121	Concrete Washout	1	LS	\$5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00
122	Vibration Monitoring	1	LS	\$75,000.00	\$75,000.00	\$136,000.00	\$136,000.00	\$75,000.00	\$75,000.00	\$40,000.00	\$40,000.00
123	Project Sign, Standard	2	EA	\$2,000.00	\$4,000.00	\$350.00	\$700.00	\$500.00	\$1,000.00	\$550.00	\$1,100.00
124	Project Sign, Stormwater	2	EA	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$550.00	\$1,100.00
TOTAL CONSTRUCTION COST				\$8,750,000.00		\$9,335,268.70		\$9,446,000.00		\$10,466,289.17	
PERCENT OF ENGINEER'S ESTIMATE						+6.69%		+7.95%		+19.61%	