

Agenda Item Number

September 12, 2022 DATE

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 _____ 22-410

attached)

Moved by to adopt. Second by _____

FORM APPROVED:

si Kathleen Vanderpool

Kathleen Vanderpool Deputy City Attorney

FUNDS AVAILABLE

The flat

Nickolas J. Schaul Director of Finance



Funding Source: 2022-23 CIP, Page 93, Sanitary Sewer Lining and Repairs, SS049, Being: \$2,630,800 American Rescue Plan Act (ARPA) Funding and \$314,636.19 Storm Water Utility Funds from SM057

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT	I, Laura Baumgartner, City Clerk of said City
COWNIE					Council, hereby certify that at a meeting of the
BOESEN					City Council, held on the above date, among
GATTO					other proceedings the above was adopted.
MANDELBAUM					IN WITNESS WHEREOF, I have hereunto set
SHEUMAKER					my hand and affixed my seal the day and year
VOSS					first above written.
WESTERGAARD					
TOTAL					
MOTION CARRIED				APPROVED	
				Mayo	r City Clerk

DEPARTMENT OF ENGINEERING CITY OF DES MOINES, IOWA Activity ID 07-2022-007

Visu-Sewer, Inc.

Pewaukee, WI

BID SECURITY

10% Bid Bond

Bid Date: 08/09/22

Municipal Pipe Tool Co

LLC

Hudson, IA

BID SECURITY

10% Bid Bond

TABULATED BY: N. Smith APPROVED BY P. Wagen CHECKED BY: Matter Declar

CONTRACTOR'S BID TABULATION

PROJECT: 2022 Sewer Lining Program

I Replacement of Unsultable Backfill Material 50 TON 92.50.0 91.25.00 92.200		ESTIMATE				BID PRICE		BID PRICE	
I Replacement of Unsuitable Backfill Material S0 TON 92.50. 91.25.00 91.25.00 91.22.00 92.200.200 92.200				UNIT		UNIT		UNIT	
2 Pipe Lining, CIPP, 6" 800 LF \$\$4.00 \$\$28,000.00 \$\$23,200.0 \$\$3.25 \$\$3.00 \$\$23,200.0 \$\$3.00 </td <td>ITEM</td> <td>DESCRIPTION</td> <td>QUANTITY</td> <td>PRICE</td> <td>AMOUNT</td> <td>PRICE</td> <td>AMOUNT</td> <td>PRICE</td> <td>AMOUNT</td>	ITEM	DESCRIPTION	QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
2 Pipe Lining, CIPP, 6" 800 LF \$\$4.00 \$\$28,000.00 \$\$23,200.0 \$\$3.25 \$\$3.00 \$\$23,200.0 \$\$3.00 </td <td>1</td> <td>Replacement of Unsuitable Backfill Material</td> <td>50 TON</td> <td>\$25.00</td> <td>\$1,250.00</td> <td>\$42.00</td> <td>\$2,100.00</td> <td>\$44.00</td> <td>\$2,200.00</td>	1	Replacement of Unsuitable Backfill Material	50 TON	\$25.00	\$1,250.00	\$42.00	\$2,100.00	\$44.00	\$2,200.00
3 Pipe Lining, CIPP. 10" 5775 LF \$85.00 \$288,750.00 \$35.00 \$173,250.00 \$35.00 \$202,000									\$29,000.00
4 Pipe Lining. CIPP. 12" 2300 LF \$55.00 \$128,500.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$58.00 \$510,622.00 \$510,622.00 \$510,622.00 \$510,622.00 \$510,622.00 \$510,622.00 \$510,622.00 \$511,620.00 \$522,623 \$523,03 \$523,03 \$523,03 \$523,03 \$523,03 \$523,03 \$523,00 \$52,000.00								\$35.00	\$202,125.00
5 Pipe Lining. CIPP. 15" 1175 LF 510.0.0 \$510.0.0 \$550.0 \$10.6220.0 \$515.0 \$111.627 6 Pipe Lining, CIPP. 24" 150 LF \$140.00 \$22,500.00 \$125.00 \$10.00	4				· · · · · · · · · · · · · · · · · · ·			\$59.50	\$136,850.00
7 Pipe Linng, CIPP, 24" 150 LF \$150.00 \$22,500.00 \$215.00 \$22,52.5 \$33,767 8 Pipe Linng, CIPP, 36" Square 42 LF \$250.00 \$10,600.00 \$450.00 \$11,000 \$55,250.00 \$31,000 \$52,250.00 \$11,000 \$55,250.00 \$11,000 \$52,200.00 \$51,000.00 \$50,000.00 \$51,000.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00					· · · · · · · · · · · · · · · · · · ·	\$55.00		\$56.50	\$111,587.50
7 Pipe Linng, CIPP, 24" 150 LF \$150.00 \$22,500.00 \$215.00 \$22,52.5 \$33,767 8 Pipe Linng, CIPP, 36" Square 42 LF \$250.00 \$10,600.00 \$450.00 \$11,000 \$55,250.00 \$31,000 \$52,250.00 \$11,000 \$55,250.00 \$11,000 \$52,200.00 \$51,000.00 \$50,000.00 \$51,000.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00	6		300 LF	\$140.00	\$42,000.00	\$89.00	\$26,700.00	\$143.00	\$42,900.00
B Pipe Lining, CIPP, 30" S22 LF \$175.00 \$55,250.00 \$249.00 \$50,000 Pipe Lining, CIPP, 36" Square to 36" Round Transition 1 EACH \$5,000.00						\$125.00	\$18,750.00	\$225.25	\$33,787.50
9 Pipe Lining, CIPP, 38" Square to 36" Round Transition 12 EACH \$\$200.00 \$\$15,000.00 \$\$5,000.00 \$\$224.00 \$\$1,200 10 Pipe Lining, CIPP, 36" Square to 36" Round Transition 15 EACH \$\$200.00 \$\$31,800.00 \$\$200.00 \$\$200.00 \$\$200.00 \$\$22,250.00 \$\$31,800.00 \$\$200.00 \$\$22,250.00 \$\$200.00 \$\$21,600.00 \$\$24,675.00 \$\$25,010 \$\$202.07 13 Pipe Lining, CIPP, 49" Company 15 EACH \$\$100.00 \$\$30,000.00 \$\$100.00 \$\$30,000.00 \$\$100.00 \$\$30,000.00 \$\$100.00 \$\$20,000 \$\$100.00 \$\$30,000.00 \$\$100.00 \$\$20,000 \$\$20,000 \$\$100.00 \$\$30,000.00 \$\$100.00 \$\$30,000.00 \$\$100.00 \$\$20,000	8		325 LF			\$170.00	\$55,250.00	\$249.00	\$80,925.00
10 Pipe Lining, CIPP, 36" Square to 36" Round Transition 1 E ACH \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$5,000.00 \$22,077 12 Pipe Lining, CIPP, 48" 528 LF \$220.00 \$312,250.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$54,050.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$54,50	9		42 LF		\$10,500.00	\$450.00	\$18,900.00	\$324.00	\$13,608.00
11 Pipe Lining, CIPP, 43° Round 156 Y \$20.00 \$31,600.00 \$380.00 \$60,040.00 \$324.00 \$51,192 12 Pipe Lining, CIPP, 43° 529 LF \$320.00 \$132,250.00 \$44,000.00 \$34,000.0	10		1 EACH	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$1,200.00	\$1,200.00
12 Pipe Lining. CIPP. 48" 528 LF \$250.00 \$400.00 \$211,600.00 \$382.00 \$222,077 13 Pipe Lining. CIPP. Lateral Connection 15 EACH \$3,000.00 \$45,000.00 \$40,000 \$43,000.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$12,000.00 \$31,500.00 \$12,600.00 \$31,500.00 \$27,300.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$22,500.00 \$24,500.00 \$	11		158 LF		\$31,600.00	\$380.00	\$60,040.00	\$324.00	\$51,192.00
13 Pipe Lining, CIPP, Lateral Connection 15 EACH \$3,000.00 \$45,000.00 \$44,305.00 \$84,575.00 \$84,575.00 \$81,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$100.00 \$80,000.00 \$12,600.00 \$81,50.00 \$25,200.00 \$25,000.00 \$25,500.00 \$25,000.00 \$25,500.00 \$25,000.00 \$25,500.00 \$25,500.00 \$25,500.00 \$26,500.00 \$25,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$26,500.00 \$216,500.00 \$26,500.00	12		529 LF	\$250.00	\$132,250.00	\$400.00	\$211,600.00	\$382.00	\$202,078.00
14 Sewer Service Reconnection 300 EACH \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100.00 \$30,000.00 \$100,000 \$10			15 EACH			\$4,305.00	\$64,575.00	\$4,510.00	\$67,650.00
15 Bypass Pumping 1 LS \$75,000,00 \$76,750,00 \$78,750,00 \$82,500,00 \$84,500,00 \$82,500,00 \$84,500,00 \$82,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00 \$84,500,00					and another of the contract of the		\$30,000.00		\$30,000.00
16 Short CIPP Pipe Lining Patch, 8" 4 EACH \$\$3,20.00 \$\$12,800.00 \$\$3,150.00 \$\$12,600.00 \$\$2,500.00		Bypass Pumping				\$78,750.00	\$78,750.00	\$82,500.00	\$82,500.00
17 Short CIPP Pipe Lining Patch, 10" 8 EACH \$4,600.00 \$36,400.00 \$32,412.50 \$22,500.00 \$22,500.00 \$20,000 18 Mobilization for Short CIPP Pipe Lining Patch 12 EACH \$27,500.00 \$25,600.00 \$22,520.00 \$25,600.00 \$25,600.00 \$25,600.00 \$25,600.00 \$25,600.00 \$25,600.00 \$25,600.00 \$26,750.00 \$25,600.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$26,750.00 \$24,550.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$49,500.00 \$41,500.00 \$40,500.00 \$41,500.00 \$40,500.00 \$41,500.00 \$40,500.00 \$41,500.00 \$40,500.00 \$41,500.00 \$40,500.00 \$41,500.00 \$40,500.00 \$41,500.00 \$41,500.00 \$41,500.00 \$41,500.00 \$41,500.00 \$41,500.00 \$42,500.00 \$11,500.00									\$10,000.00
18 Mobilization for Short CIPP Pipe Lining Patch 12 EACH \$500.00 \$6,000.00 \$210.00 \$2,250.00 \$500.00 \$26,250.00 \$26,250.00 \$26,250.00 \$27,500.00 \$27,500.00 \$26,250.00 \$26,250.00 \$26,250.00 \$26,250.00 \$26,250.00 \$27,500.00 \$27,500.00 \$27,500.00 \$26,250.00 \$26,250.00 \$26,250.00 \$26,250.00 \$26,250.00 \$27,500.00 \$27,500.00 \$26,250.00 \$26,250.00 \$27,500.00 \$24,500.00 \$27,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$21,500.00 \$21,500.00 \$24,500.00 \$21,500.00 \$24,500.00 \$21,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$24,500.00 \$21,500.00 \$21,500.00 \$21,500.00 \$21,500.00 \$21,500.00 \$21,500.00 \$22,500.00 \$13,500.00 \$22,500.00 \$13,500.00 \$22,500.00 \$13,500.00 \$27,500.00 \$25,500.00 \$27,500.00 \$25,500.00 \$210,					sector of the sector sector		\$27,300.00	\$2,500.00	\$20,000.00
19 Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Less Than 12' Der 2 EACH \$27,50.00 \$52,500.00 \$52,500.00 \$52,500.00 \$52,500.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,750.00 \$54,500.00 \$52,500.00 \$142,500.00 \$54,500.00 \$142,500.00 \$56,000.00 \$142,500.00 \$56,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$12,500.00 \$52,500.00 \$51,500.00 \$52,500.00 \$51,500.00 \$52,500.00 \$51,500.00 \$52,500.00 \$51,500.00									\$6,000.00
20 Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Less Than 12' Depth 2 EACH \$30,000.00 \$47,250.00 \$94,500.00 \$49,500.00 \$99,000 21 Spot Repairs by Pipe Replacement, Less Than 24" Diameter, 12' to 20' Depth 2 EACH \$35,000.00 \$70,000.00 \$47,250.00 \$94,500.00 \$49,500.00 \$99,000 22 Spot Repairs by Pipe Replacement, Less Than 24" Diameter, 12' to 20' Depth 2 EACH \$40,000.00 \$80,000.00 \$47,250.00 \$94,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00 \$91,500.00					S			\$27,500.00	\$55,000.00
22 Spot Repairs by Pipe Replacement, 24" to 48" Diameter, 12' to 20' Depth 2 EACH \$40,000.00 \$80,000.00 \$63,250.00 \$135,500.00 \$71,500.00 \$143,000 23 Spot Repairs by Pipe Replacement, Less Than 24" to 48" Diameter, Greater Than 20' 2 EACH \$37,500.00 \$75,000.00 \$63,000.00 \$126,000.00 \$66,000.00 \$132,000 24 Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Greater Than 20' Dep 2 EACH \$\$45,000.00 \$\$26,250.00 \$\$157,500.00 \$\$27,500.00	20	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Less Than 12' Depth	2 EACH	\$30,000.00	\$60,000.00	\$47,250.00	\$94,500.00	\$49,500.00	\$99,000.00
22 Spot Repairs by Pipe Replacement, 24" to 48" Diameter, 12' to 20' Depth 2 EACH \$40,000.00 \$80,000.00 \$136,500.00 \$71,500.00 \$143,000 23 Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Greater Than 20' 2 EACH \$37,500.00 \$75,000.00 \$63,000.00 \$126,000.00 \$86,000.00 \$126,000.00 \$86,250.00 \$126,000.00 \$86,250.00 \$126,500.00 \$126,500.00 \$126,500.00 \$126,500.00 \$126,500.00 \$127,500.00 \$127,500.00 \$127,500.00 \$132,200 \$131,250.00 \$132,200 \$131,250.00 \$131,250.00 \$132,200 \$131,250.00 \$126,500.00 \$126,500.00 \$126,500.00 \$127,500.00 \$257,500.00 \$127,500.00 \$27,500.00 \$22,750.00 \$131,250.00 \$27,500.00 \$22,750.00 \$131,250.00 \$26,750.00 \$34,4 \$38,872.00 \$50,00 \$28,980.00 \$517,500.00 \$517,500.00 \$517,500.00 \$517,500.00 \$514,000.00 \$52,500.00 \$31,500.00 \$514,000.00 \$52,500.00 \$53,000.00 \$55,000.00 \$31,500.00 \$31,500.00 \$31,500.00 \$31,500.00 \$33,000.00 <td>21</td> <td>Spot Repairs by Pipe Replacement, Less Than 24" Diameter, 12' to 20' Depth</td> <td>2 EACH</td> <td>\$35,000.00</td> <td>\$70,000.00</td> <td>\$47,250.00</td> <td>\$94,500.00</td> <td>\$49,500.00</td> <td>\$99,000.00</td>	21	Spot Repairs by Pipe Replacement, Less Than 24" Diameter, 12' to 20' Depth	2 EACH	\$35,000.00	\$70,000.00	\$47,250.00	\$94,500.00	\$49,500.00	\$99,000.00
23 Spot Repairs by Pipe Replacement, Less Than 24" Diameter, Greater Than 20' 2 EACH \$37,500.00 \$75,000.00 \$63,000.00 \$126,000.00 \$86,000.00 \$132,000 24 Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Greater Than 20' Dep 2 EACH \$45,000.00 \$90,000.00 \$78,750.00 \$157,500.00 \$82,50000 \$	22		2 EACH	\$40,000.00	\$80,000.00	\$68,250.00	\$136,500.00	\$71,500.00	\$143,000.00
25 Dewatering for Spot Repair 5 EACH \$5,000.00 \$22,000.00 \$131,250.00 \$27,500.00 \$137,500 26 Sewer Service Connection Repair made During Spot Repair 15 EACH \$1,200.00 \$18,000.00 \$6,090.00 \$91,350.00 \$6,380.00 \$95,700 27 Sewer Cleaning and Video Inspection, Less Than 30" Diameter 11300 LF \$6.00 \$67,800.00 \$3.44 \$38,872.00 \$5.00 \$56,500 28 Sewer Cleaning and Video Inspection, 30" Diameter or Greater 1054 LF \$10.00 \$10,540.00 \$4.77 \$5,027.58 \$10.00 \$10,540 29 Manhole Enlargement 3 EACH \$30,000.00 \$90,000.00 \$52,500.00 \$15,500.00 \$55,000.00 \$33,000.00 \$56,000.00 30 Manhole, 48" Diameter Structure 2 EACH \$20,000.00 \$31,500.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$31,500.00			2 EACH	\$37,500.00	\$75,000.00	\$63,000.00	\$126,000.00	\$66,000.00	\$132,000.00
25 Dewatering for Spot Repair 5 EACH \$5,000.00 \$22,500.00 \$131,250.00 \$27,500.00 \$137,500 26 Sewer Service Connection Repair made During Spot Repair 15 EACH \$1,200.00 \$18,000.00 \$6,990.00 \$91,350.00 \$6,380.00 \$95,700 27 Sewer Cleaning and Video Inspection, Less Than 30" Diameter 11300 LF \$6.00 \$67,800.00 \$3.44 \$38,872.00 \$5.00 \$56,500 28 Sever Cleaning and Video Inspection, 30" Diameter or Greater 1054 LF \$10.00 \$10,540.00 \$4.77 \$5,000.00 \$55,000.00 \$15,000.00 \$52,500.00 \$10,500.00 \$50,000.00 \$52,500.00 \$10,500.00 \$50,000.00 \$52,500.00 \$10,500.00 \$52,000.00 \$52,000.00 \$52,000.00 \$53,000.00 \$33,000.00 \$60,000.00 \$31,500.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,000.00 \$33,	24	Spot Repairs by Pipe Replacement, 24" to 48" Diameter, Greater Than 20' Dep	2 EACH	\$45,000.00	\$90,000.00	\$78,750.00	\$157,500.00	\$82,500.00	\$165,000.00
26 Sewer Service Connection Repair made During Spot Repair 15 EACH \$1,200.00 \$18,000.00 \$91,350.00 \$91,350.00 \$6,380.00 \$95,700 27 Sewer Cleaning and Video Inspection, Less Than 30" Diameter 11300 LF \$6.00 \$67,800.00 \$3.44 \$38,872.00 \$5.00 \$56,500 28 Sewer Cleaning and Video Inspection, 30" Diameter or Greater 1054 LF \$10.00 \$10,540.00 \$4.77 \$5,027.58 \$10.00 \$10,544 29 Manhole Enlargement 3 EACH \$30,000.00 \$90,000.00 \$52,500.00 \$55,000.00 \$165,000.00 \$33,000.	25		5 EACH	\$5,000.00	\$25,000.00	\$26,250.00	\$131,250.00	\$27,500.00	\$137,500.00
27 Sewer Cleaning and Video Inspection, Less Than 30" Diameter 11300 LF \$6.00 \$67,800.00 \$3.44 \$38,872.00 \$5.00 \$56,500 28 Sewer Cleaning and Video Inspection, 30" Diameter or Greater 1054 LF \$10.00 \$10,540.00 \$4.77 \$5,027.58 \$10.00 \$10,540 29 Manhole Enlargement 3 EACH \$30,000.00 \$52,500.00 \$157,500.00 \$55,000.00 \$33,000.00 \$55,000.00 \$33,000.00 \$55,000.00 \$33,000.00 \$56,000.00 \$33,000.00 \$56,000.00 \$33,000.00 \$56,000.00 \$33,000.00 \$56,000.00 \$33,000.00 \$56,000.00 \$33,000.00 \$33,000.00 \$66,000.00 \$31,500.00 \$33,000.00 \$33,000.00 \$66,000.00 \$31,500.00 \$31,500.00 \$33,000.00 \$33,000.00 \$66,000.00 \$31,500.00 \$12,948.00 \$2,261.00 \$13,560.00 \$12,948.00 \$2,261.00 \$13,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$14,625.00 \$12,625.00 \$24,000.00 \$66,000.00 <td>26</td> <td></td> <td>15 EACH</td> <td>\$1,200.00</td> <td>\$18,000.00</td> <td>\$6,090.00</td> <td>\$91,350.00</td> <td>\$6,380.00</td> <td>\$95,700.00</td>	26		15 EACH	\$1,200.00	\$18,000.00	\$6,090.00	\$91,350.00	\$6,380.00	\$95,700.00
29Manhole Enlargement3EACH\$30,000.00\$90,000.00\$52,500.00\$157,500.00\$55,000.00\$165,00030Manhole, 48" Diameter Structure2EACH\$25,000.00\$50,000.00\$31,500.00\$63,000.00\$33,000.00\$66,00031Manhole, Type SW-3022EACH\$25,000.00\$50,000.00\$31,500.00\$63,000.00\$33,000.00\$66,00032Minor Manhole Adjustment6EACH\$2,000.00\$12,000.00\$2,158.00\$12,948.00\$2,261.00\$13,56033Major Manhole Adjustment4EACH\$6,000.00\$24,000.00\$7,245.00\$28,980.00\$7,590.00\$30,36034Special HDPE Manhole Lining74VF\$1,500.00\$111,000.00\$1,551.00\$114,774.00\$1,625.00\$120,25035Imported Granular Backfill100TON\$7,500.00\$7,500.00\$61.00\$64.00\$6,40036Traffic Control for Spot Repair, Residential Street8EACH\$1,200.00\$9,600.00\$63.00.00\$5,040.00\$2,275.00\$22,00038Composite Pavement200SY\$250.00\$50,000.00\$273.00\$54,600.00\$286.00\$57,20039PCC Pavement, 6"50SY\$100.00\$5,000.00\$184.00\$9,200.00\$193.00\$9,650	27		11300 LF	\$6.00	\$67,800.00	\$3.44	\$38,872.00	\$5.00	\$56,500.00
29Manhole Enlargement3 EACH\$30,000.00\$90,000.00\$52,500.00\$157,500.00\$55,000.00\$166,00030Manhole, 48" Diameter Structure2 EACH\$25,000.00\$50,000.00\$31,500.00\$63,000.00\$33,000.00\$66,00031Manhole, Type SW-3022 EACH\$25,000.00\$50,000.00\$31,500.00\$63,000.00\$33,000.00\$66,00032Minor Manhole Adjustment6 EACH\$2,000.00\$12,000.00\$21,58.00\$12,948.00\$22,261.00\$13,56033Major Manhole Adjustment4 EACH\$6,000.00\$24,000.00\$7,245.00\$28,980.00\$7,590.00\$30,36034Special HDPE Manhole Lining74 VF\$1,500.00\$111,000.00\$1,551.00\$114,774.00\$1,625.00\$120,25035Imported Granular Backfill100 TON\$7,500.00\$7,500.00\$61.00\$64.00\$6,40036Traffic Control for Spot Repair, Residential Street8 EACH\$1,200.00\$9,600.00\$2,625.00\$21,000.00\$2,2750.00\$22,00038Composite Pavement200 SY\$250.00\$50,000.00\$273.00\$54,600.00\$286.00\$57,20039PCC Pavement, 6"50 SY\$100.00\$5,000.00\$184.00\$9,200.00\$193.00\$9,650	28	Sewer Cleaning and Video Inspection, 30" Diameter or Greater	1054 LF	\$10.00	\$10,540.00	\$4.77	\$5,027.58	\$10.00	\$10,540.00
30 Manhole, 48" Diameter Structure 2 EACH \$25,000.00 \$50,000.00 \$63,000.00 \$63,000.00 \$63,000.00 \$63,000.00 \$63,000.00 \$66,000.00 \$60,000 \$61,000.00 \$63,000.00 \$63,000.00 \$66,000.00 \$66,000.00 \$61,000.00 \$63,000.00 \$63,000.00 \$66,000.00 \$66,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$62,000.00 \$61,000.00 \$62,000.00 \$61,000.00 \$62,000.00 \$61,000.00 \$62,000.00 \$61,000.00 \$62,000.00 \$62,000.00 \$61,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$62,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$61,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$66,000.00 \$	29	- , ,	3 EACH	\$30,000.00	\$90,000.00	\$52,500.00	\$157,500.00	\$55,000.00	\$165,000.00
32 Minor Manhole Adjustment 6 EACH \$2,000.00 \$12,000.00 \$2,158.00 \$12,948.00 \$2,261.00 \$13,560 33 Major Manhole Adjustment 4 EACH \$6,000.00 \$24,000.00 \$7,245.00 \$28,980.00 \$7,590.00 \$30,360 34 Special HDPE Manhole Lining 74 VF \$1,500.00 \$111,000.00 \$11,551.00 \$114,774.00 \$1,625.00 \$120,250 35 Imported Granular Backfill 100 TON \$75.00 \$7,500.00 \$61.00 \$64.00 \$64.00 \$64.00 36 Traffic Control for Spot Repair, Residential Street 8 EACH \$1,200.00 \$9,600.00 \$630.00 \$5,040.00 \$660.00 \$5,280 37 Traffic Control for Spot Repair, Non-Residential Street 8 EACH \$1,500.00 \$12,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00		Manhole, 48" Diameter Structure	2 EACH	\$25,000.00		\$31,500.00	\$63,000.00	\$33,000.00	\$66,000.00
33 Major Manhole Adjustment 4 EACH \$6,000.00 \$24,000.00 \$7,245.00 \$28,980.00 \$7,590.00 \$30,361 34 Special HDPE Manhole Lining 74 VF \$1,500.00 \$111,000.00 \$11,551.00 \$114,774.00 \$1,625.00 \$20,0251 35 Imported Granular Backfill 100 TON \$75.00 \$7,500.00 \$61.00 \$64.00 \$64.00 \$64.00 \$64.00 \$64.00 \$660.00 \$5,281 36 Traffic Control for Spot Repair, Residential Street 8 EACH \$1,200.00 \$9,600.00 \$630.00 \$5,040.00 \$660.00 \$5,280 37 Traffic Control for Spot Repair, Non-Residential Street 8 EACH \$1,500.00 \$12,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00 \$2,625.00 \$21,000.00	31	Manhole, Type SW-302	2 EACH	\$25,000.00	\$50,000.00	\$31,500.00	\$63,000.00	\$33,000.00	\$66,000.00
34 Special HDPE Manhole Lining 74 VF \$1,500.00 \$111,000.00 \$114,774.00 \$1,625.00 \$120,250 35 Imported Granular Backfill 100 TON \$75.00 \$7,500.00 \$61.00 \$6,100.00 \$64.00 \$6,400 36 Traffic Control for Spot Repair, Residential Street 8 EACH \$1,200.00 \$9,600.00 \$630.00 \$5,040.00 \$660.00 \$5,280 37 Traffic Control for Spot Repair, Non-Residential Street 8 EACH \$1,500.00 \$12,000.00 \$2,625.00 \$21,000.00 \$2,750.00 \$22,750.00 \$22,000 38 Composite Pavement 200 SY \$250.00 \$50,000.00 \$273.00 \$54,600.00 \$286.00 \$57,200 39 PCC Pavement, 6" 50 SY \$100.00 \$5,000.00 \$184.00 \$9,200.00 \$193.00 \$9,650	32	Minor Manhole Adjustment	6 EACH	\$2,000.00	\$12,000.00	\$2,158.00	\$12,948.00	\$2,261.00	\$13,566.00
35 Imported Granular Backfill 100 TON \$7,50.00 \$61.00 \$6,100.00 \$64.00 \$6,400 36 Traffic Control for Spot Repair, Residential Street 8 EACH \$1,200.00 \$9,600.00 \$630.00 \$5,040.00 \$660.00 \$5,280 37 Traffic Control for Spot Repair, Non-Residential Street 8 EACH \$1,500.00 \$12,000.00 \$2,625.00 \$21,000.00 \$2,750.00 \$22,000 38 Composite Pavement 200 SY \$250.00 \$50,000.00 \$273.00 \$54,600.00 \$286.00 \$57,200 39 PCC Pavement, 6'' 50 SY \$100.00 \$5,000.00 \$184.00 \$9,200.00 \$193.00 \$9,650	33	Major Manhole Adjustment	4 EACH	\$6,000.00	\$24,000.00	\$7,245.00	\$28,980.00	\$7,590.00	\$30,360.00
35Imported Granular Backfill100 TON\$75.00\$7,500.00\$61.00\$6,100.00\$64.00\$6,40036Traffic Control for Spot Repair, Residential Street8 EACH\$1,200.00\$9,600.00\$630.00\$5,040.00\$660.00\$5,28037Traffic Control for Spot Repair, Non-Residential Street8 EACH\$1,500.00\$12,000.00\$2,625.00\$21,000.00\$2,750.00\$22,750.00\$22,00038Composite Pavement200 SY\$250.00\$50,000.00\$273.00\$54,600.00\$286.00\$57,20039PCC Pavement, 6"50 SY\$100.00\$5,000.00\$184.00\$9,200.00\$193.00\$9,650	34	Special HDPE Manhole Lining	74 VF	\$1,500.00	\$111,000.00	\$1,551.00	\$114,774.00	\$1,625.00	\$120,250.00
36 Traffic Control for Spot Repair, Residential Street 8 EACH \$1,200.00 \$9,600.00 \$5,040.00 \$660.00 \$5,280 37 Traffic Control for Spot Repair, Non-Residential Street 8 EACH \$1,500.00 \$12,000.00 \$2,625.00 \$21,000.00 \$2,750.00 \$22,000 38 Composite Pavement 200 SY \$250.00 \$50,000.00 \$273.00 \$54,600.00 \$286.00 \$57,200 39 PCC Pavement, 6" 50 SY \$100.00 \$5,000.00 \$184.00 \$9,200.00 \$193.00 \$9,650					\$7,500.00				\$6,400.00
37Traffic Control for Spot Repair, Non-Residential Street8 EACH\$1,500.00\$12,000.00\$2,625.00\$21,000.00\$2,750.00\$22,00038Composite Pavement200 SY\$250.00\$50,000.00\$273.00\$54,600.00\$286.00\$57,20039PCC Pavement, 6"50 SY\$100.00\$5,000.00\$184.00\$9,200.00\$193.00\$9,650	36	Traffic Control for Spot Repair, Residential Street	8 EACH	\$1,200.00	\$9,600.00	\$630.00	\$5,040.00	\$660.00	\$5,280.00
38Composite Pavement200 SY\$250.00\$50,000.00\$273.00\$54,600.00\$286.00\$57,20039PCC Pavement, 6"50 SY\$100.00\$5,000.00\$184.00\$9,200.00\$193.00\$9,650								\$2,750.00	\$22,000.00
39 PCC Pavement, 6" 50 SY \$100.00 \$5,000.00 \$184.00 \$9,200.00 \$193.00 \$9,65									\$57,200.00
						1.50 × 1.50 × 1.50			\$9,650.00
40 PCC Pavement, 8" 50 SY \$120.00 \$6,000.00 \$210.00 \$10,500.00 \$220.00 \$11,00	40	PCC Pavement, 8"	50 SY	\$120.00	\$6,000.00		\$10,500.00		\$11,000.00

			UNIT		UNIT		UNIT	
ITEM	DESCRIPTION	QUANTITY	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
41	Temporary Cap for Composite Pavement Patch	50 SY	\$75.00	\$3,750.00	\$79.00	\$3,950.00	\$83.00	\$4,150.00
42	PCC Curb & Gutter	30 LF	\$75.00	\$2,250.00	\$104.00	\$3,120.00	\$109.00	\$3,270.00
43	PCC Sidewalk	100 SY	\$100.00	\$10,000.00	\$79.00	\$7,900.00	\$83.00	\$8,300.00
44	Pavement Removal	500 SY	\$25.00	\$12,500.00	\$32.00	\$16,000.00	\$33.00	\$16,500.00
45	Traffic Control	1 LS	\$60,000.00	\$60,000.00	\$19,724.21	\$19,724.21	\$37,400.00	\$37,400.00
46	Flagger, Uniformed Police Officer	6 DAY	\$550.00	\$3,300.00	\$550.00	\$3,300.00	\$550.00	\$3,300.00
47	Hydraulic Seeding, Seeding, Fertilizing, and Mulching	0.5 ACRE	\$10,000.00	\$5,000.00	\$21,000.00	\$10,500.00	\$22,000.00	\$11,000.00
48	Sodding	50 SQ	\$200.00	\$10,000.00	\$263.00	\$13,150.00	\$275.00	\$13,750.00
49	Filter Sock	200 LF	.\$5.00	\$1,000.00	\$8.00	\$1,600.00	\$9.00	\$1,800.00
50	Remove Filter Sock	200 LF	\$2.50	\$500.00	\$3.00	\$600.00	\$3.00	\$600.00
51	Tree Protection Fence	100 LF	\$10.00	\$1,000.00	\$16.00	\$1,600.00	\$17.00	\$1,700.00
52	Mobilization	1 LS	\$245,935.00	\$245,935.00	\$352,860.40	\$352,860.40	\$334,000.00	\$334,000.00
53	Mobilization for Emergency Spot Repair	10 EACH	\$1,000.00	\$10,000.00	\$2,993.00	\$29,930.00	\$3,135.00	\$31,350.00
	TOTAL CONSTRUCTION COST			00 500 000 00				
	PERCENT OF ENGINEER'S ESTIMATE			\$2,500,000.00		\$2,945,436.19 +17.82% Low		\$3,156,669.00 +26.27%