

DATE October 26, 2015

PUBLIC HEARING, APPROVING PLANS, SPECIFICATIONS, FORM OF CONTRACT DOCUMENTS, AND ENGINEER'S ESTIMATE ON 2015 SEWER LINING PROGRAM; RECEIVE AND FILE BIDS; AND DESIGNATION OF LOWEST RESPONSIVE, RESPONSIBLE BIDDER AS SAK CONSTRUCTION, LLC, BOYD HIRTZ, VICE PRESIDENT, \$3,546,470.00

WHEREAS, on September 28, 2015, under Roll Call No. 15-1589, 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:

2015 Sewer Lining Program, 07-2016-001

The improvement includes the renovation of 6,150 lineal feet of 10-inch through 60-inch diameter sanitary and storm sewers with cured-in-place pipe (CIPP) lining, 50 lineal feet of 54-inch storm sewer with sliplining, and 250 lineal feet of 90-inch storm sewer with centrifugally cast cementitious lining. Also included is by-pass pumping, sewer cleaning and televising, sewer spot repairs, manhole rehabilitation, and other related items; all in accordance with the contract documents, including Plan File Numbers 570-094/112 at the following locations: Carpenter Avenue, 15th Place, E. 1st Street, E. 6th Street, E. 5th Street, E. 13th Street, 30th Street, S.W. 28th Street, 2nd Avenue, S.W. 7th Street, E. Titus Avenue, 34th Street, and S.W. 7th Street, Des Moines, Iowa

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

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:

SAK Construction, LLC	O'Fallon, MO
Lametti & Sons, Inc.	Hugo, MN
Visu-Sewer Clean & Seal, Inc.	Pewaukee, WI
Insituform Technologies USA, Inc.	Chesterfield, MO

DATE October 26, 2015

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 October 13, 2015. 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 SAK Construction, LLC, Boyd Hirtz, Vice President, 864 Hoff Road, O'Fallon, MO, 63366 in the amount of \$3,546,470.00, 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.

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.

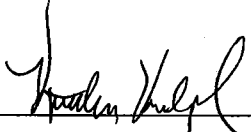
BE IT FURTHER RESOLVED: That the City Council hereby authorizes the necessary road closures for the Project.


(City Council Communication Number 15-566 attached.)

Moved by _____ to adopt.

FORM APPROVED:


FUNDS AVAILABLE





Kathleen Vanderpool
Deputy City Attorney

Daniel E. Ritter
Des Moines Finance Director

 Funding Source: 2015-2016 CIP, Page Sanitary – 8, Lining Sanitary Trunk and Lateral Sewers, SS049, Being: \$2,889,725.50 in Lining Sanitary Trunk and Lateral Sewer, and the remaining \$656,744.50 in Storm Water Utility Funds from SM057, City-wide Storm Water Utility Projects

★ Roll Call Number

Agenda Item Number

55

DATE October 26, 2015

COUNCIL ACTION	YEAS	NAYS	PASS	ABSENT
COWNIE				
COLEMAN				
GATTO				
GRAY				
HENSLEY				
MAHAFFEY				
MOORE				
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.

City Clerk

TABULATED BY: M. Radermacher APPROVED BY _____
CHECKED BY: *[Signature]*

CONTRACTOR'S BID TABULATION
2015 SEWER LINING PROGRAM

-----ESTIMATE-----

SAK CONSTRUCTION, LLC
O'FALLON, MO.

LAMETTI & SONS, INC
HUGO, MN

VISU-SEWER, INC
PEWAUKEE, WI

BID SECURITY
10% BID BOND

BID SECURITY
10% BID BOND

BID SECURITY
10% BID BOND

BID PRICE

BID PRICE

BID PRICE

ITEM	DESCRIPTION	QUANTITY	UNIT		AMOUNT	UNIT		AMOUNT	UNIT		AMOUNT	UNIT		AMOUNT
			PRICE	PRICE		PRICE	PRICE		PRICE	PRICE				
1	Traffic Control	1 LS	\$50,000.00		\$50,000.00	\$50,000.00	\$50,000.00	\$20,000.00	\$20,000.00	\$40,000.00	\$40,000.00			
2	Mobilization	1 LS	\$100,000.00		\$100,000.00	\$138,000.00	\$138,000.00	\$150,000.00	\$150,000.00	\$105,000.00	\$105,000.00			
3	Sewer Liner, 10" CIPP	250 LF	\$35.00		\$8,750.00	\$33.00	\$8,250.00	\$50.00	\$12,500.00	\$45.00	\$11,250.00			
4	Sewer Liner, 12" CIPP	725 LF	\$45.00		\$32,625.00	\$36.00	\$26,100.00	\$60.00	\$43,500.00	\$50.00	\$36,250.00			
5	Sewer Liner, 21" CIPP	400 LF	\$125.00		\$50,000.00	\$72.00	\$28,800.00	\$75.00	\$30,000.00	\$67.00	\$26,800.00			
6	Sewer Liner, 24" CIPP	125 LF	\$150.00		\$18,750.00	\$150.00	\$18,750.00	\$180.00	\$22,500.00	\$124.00	\$15,500.00			
7	Sewer Liner, 30" CIPP	800 LF	\$160.00		\$128,000.00	\$130.00	\$104,000.00	\$190.00	\$152,000.00	\$125.00	\$100,000.00			
8	Sewer Liner, 36" CIPP	350 LF	\$175.00		\$61,250.00	\$150.00	\$52,500.00	\$260.00	\$91,000.00	\$130.00	\$45,500.00			
9	Sewer Liner, 48" CIPP	3250 LF	\$275.00		\$893,750.00	\$265.00	\$861,250.00	\$300.00	\$975,000.00	\$247.00	\$802,750.00			
10	Sewer Liner, 54" CIPP	170 LF	\$400.00		\$68,000.00	\$365.00	\$62,050.00	\$360.00	\$61,200.00	\$515.00	\$87,550.00			
11	Sewer Liner, 60" CIPP	80 LF	\$425.00		\$34,000.00	\$595.00	\$47,600.00	\$630.00	\$50,400.00	\$515.00	\$41,200.00			
12	Sewer Liner, 48" Slip Liner	50 LF	\$600.00		\$30,000.00	\$650.00	\$32,500.00	\$655.00	\$32,750.00	\$715.00	\$35,750.00			
13	Sewer Liner, 90" Centrifugally Cast Cementitious Pipe Liner	250 LF	\$1,000.00		\$250,000.00	\$780.00	\$195,000.00	\$1,415.00	\$353,750.00	\$1,250.00	\$312,500.00			
14	Sewer Service Reconnection	250 EACH	\$175.00		\$43,750.00	\$100.00	\$25,000.00	\$200.00	\$50,000.00	\$100.00	\$25,000.00			
15	Sewer Service Connection CIPP Liner	25 EACH	\$2,000.00		\$50,000.00	\$2,000.00	\$50,000.00	\$2,800.00	\$70,000.00	\$2,500.00	\$62,500.00			
16	Sewer Cleaning and Televising, 8"-30" Diam.	2300 LF	\$5.00		\$11,500.00	\$7.00	\$16,100.00	\$10.00	\$23,000.00	\$2.00	\$4,600.00			
17	Sewer Cleaning and Televising, 36"-90" Diam.	10650 LF	\$20.00		\$213,000.00	\$18.50	\$197,025.00	\$35.00	\$372,750.00	\$2.00	\$21,300.00			
18	Bypass Pumping	1 LS	\$175,000.00		\$175,000.00	\$170,000.00	\$170,000.00	\$50,000.00	\$50,000.00	\$230,000.00	\$230,000.00			
19	Manhole, 48" Diameter Structure	7 EACH	\$10,000.00		\$70,000.00	\$18,000.00	\$126,000.00	\$20,000.00	\$140,000.00	\$22,000.00	\$154,000.00			
20	Manhole, Type SW-304	7 EACH	\$25,000.00		\$175,000.00	\$32,000.00	\$224,000.00	\$32,000.00	\$224,000.00	\$35,200.00	\$246,400.00			
21	Manhole, Type SW-403	2 EACH	\$20,000.00		\$40,000.00	\$30,000.00	\$60,000.00	\$30,000.00	\$60,000.00	\$33,000.00	\$66,000.00			
22	Intake, Type SW-507	1 EACH	\$7,500.00		\$7,500.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$11,000.00	\$11,000.00			
23	Minor Manhole Adjustment	2 EACH	\$1,250.00		\$2,500.00	\$900.00	\$1,800.00	\$800.00	\$1,600.00	\$880.00	\$1,760.00			
24	Major Manhole Adjustment	2 EACH	\$2,500.00		\$5,000.00	\$4,850.00	\$9,700.00	\$4,850.00	\$9,700.00	\$5,335.00	\$10,670.00			
25	Manhole Lining with Centrifugally Cast Mortar Liner	25 EACH	\$1,500.00		\$37,500.00	\$2,100.00	\$52,500.00	\$2,420.00	\$60,500.00	\$1,700.00	\$42,500.00			
26	SE 5th Street Sinkhole Repair	1 LS	\$4,000.00		\$4,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,600.00	\$6,600.00			
27	E. 13th Spot Repair (Repair #1)	1 LS	\$10,000.00		\$10,000.00	\$14,500.00	\$14,500.00	\$14,500.00	\$14,500.00	\$15,950.00	\$15,950.00			
28	E. 13th Spot Repair (Repair #2)	1 LS	\$15,000.00		\$15,000.00	\$22,500.00	\$22,500.00	\$22,500.00	\$22,500.00	\$24,700.00	\$24,700.00			
29	E. 13th Street Cavity Repair (Repair #3)	1 LS	\$4,000.00		\$4,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00			
30	30th Street Spot Repair (Repair #1)	1 LS	\$15,000.00		\$15,000.00	\$19,500.00	\$19,500.00	\$19,500.00	\$19,500.00	\$21,450.00	\$21,450.00			
31	30th Street Spot Repair (Repair #2)	1 LS	\$10,000.00		\$10,000.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$17,000.00	\$17,000.00			
32	Spot Repair, 14' Deep or Less, 21" Diam. Or Less	7 EACH	\$10,000.00		\$70,000.00	\$14,500.00	\$101,500.00	\$16,000.00	\$112,000.00	\$17,600.00	\$123,200.00			
33	Spot Repair, 14' Deep or Less, Greater than 21" Diam.	5 EACH	\$12,000.00		\$60,000.00	\$21,000.00	\$105,000.00	\$23,500.00	\$117,500.00	\$25,850.00	\$129,250.00			
34	Spot Repair, Greater than 14' Deep, 21" Diam. Or Less	7 EACH	\$13,000.00		\$91,000.00	\$23,500.00	\$164,500.00	\$26,000.00	\$182,000.00	\$28,600.00	\$200,200.00			
35	Spot Repair, Greater than 14' Deep, Greater than 21" Diam.	5 EACH	\$15,000.00		\$75,000.00	\$27,000.00	\$135,000.00	\$30,000.00	\$150,000.00	\$33,000.00	\$165,000.00			
36	Sewer Service Connection Repair made during Spot Repair	7 EACH	\$2,000.00		\$14,000.00	\$3,600.00	\$25,200.00	\$4,000.00	\$28,000.00	\$4,400.00	\$30,800.00			
37	Traffic Control for Spot Repair, Residential Street	10 EACH	\$1,500.00		\$15,000.00	\$1,000.00	\$10,000.00	\$1,000.00	\$10,000.00	\$1,100.00	\$11,000.00			
38	Traffic Control for Spot Repair, Non-Residential Street	10 EACH	\$2,500.00		\$25,000.00	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,200.00	\$22,000.00			
39	Composite Pavement	500 SY	\$175.00		\$87,500.00	\$126.00	\$63,000.00	\$126.00	\$63,000.00	\$138.50	\$69,250.00			
40	PCC Pavement, 6"	300 SY	\$60.00		\$18,000.00	\$80.00	\$24,000.00	\$80.00	\$24,000.00	\$88.00	\$26,400.00			
41	PCC Pavement, 8"	200 SY	\$75.00		\$15,000.00	\$98.00	\$19,600.00	\$98.00	\$19,600.00	\$108.00	\$21,600.00			
42	Temporary Cap for Composite Pavement Patch	100 SY	\$20.00		\$2,000.00	\$65.00	\$6,500.00	\$62.00	\$6,200.00	\$70.00	\$7,000.00			
43	PCC Curb and Gutter	20 LF	\$40.00		\$800.00	\$56.00	\$1,120.00	\$56.00	\$1,120.00	\$62.00	\$1,240.00			
44	PCC Sidewalk	20 SY	\$50.00		\$1,000.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00	\$55.00	\$1,100.00			
45	Pavement Removal	750 SY	\$15.00		\$11,250.00	\$14.00	\$10,500.00	\$14.00	\$10,500.00	\$15.50	\$11,625.00			

ITEM	DESCRIPTION	QUANTITY	UNIT		UNIT		UNIT		UNIT	
			PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
46	Uniformed Police Officer	15 EACH	\$500.00	\$7,500.00	\$400.00	\$6,000.00	\$400.00	\$6,000.00	\$500.00	\$7,500.00
47	Sodding	15 SQ	\$150.00	\$2,250.00	\$120.00	\$1,800.00	\$120.00	\$1,800.00	\$132.00	\$1,980.00
48	Rip Rap, Class D	80 TON	\$75.00	\$6,000.00	\$55.00	\$4,400.00	\$55.00	\$4,400.00	\$60.00	\$4,800.00
49	Filter Sock	100 LF	\$4.00	\$400.00	\$3.50	\$350.00	\$3.50	\$350.00	\$4.00	\$400.00
50	Remove Filter Sock	100 LF	\$1.00	\$100.00	\$1.50	\$150.00	\$1.15	\$115.00	\$1.50	\$150.00
51	RCP Apron w/ Footing and Apron Guard, 48"	1 EACH	\$5,000.00	\$5,000.00	\$6,400.00	\$6,400.00	\$6,400.00	\$6,400.00	\$7,000.00	\$7,000.00
52	RCP Apron w/ Footing and Apron Guard, 54"	1 EACH	\$6,000.00	\$6,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,700.00	\$7,700.00
53	Tree Protection Fencing	665 LF	\$5.00	\$3,325.00	\$5.00	\$3,325.00	\$5.00	\$3,325.00	\$5.50	\$3,657.50
54	Mobilization for Emergency Spot Repair	10 EACH	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,000.00	\$20,000.00	\$2,200.00	\$22,000.00
55	Manhole Enlargement	4 EACH	\$15,000.00	\$60,000.00	\$22,000.00	\$88,000.00	\$15,600.00	\$62,400.00	\$17,160.00	\$68,640.00
56	Sewer Cleanings	1000 TON	\$40.00	\$40,000.00	\$45.00	\$45,000.00	\$35.00	\$35,000.00	\$490.00	\$490,000.00
57	Dewatering	4 EACH	\$5,000.00	\$20,000.00	\$6,800.00	\$27,200.00	\$6,800.00	\$27,200.00	\$7,500.00	\$30,000.00
TOTAL CONSTRUCTION COST					\$3,270,000.00		\$3,546,470.00		\$4,068,060.00	\$4,090,472.50
PERCENT OF ENGINEER'S ESTIMATE							+8.45%		+24.41%	+25.09%
							Low			

TABULATED BY: M. Radermacher
CHECKED BY: *Jack K. [Signature]*

APPROVED BY: *R. De Groot*

CONTRACTOR'S BID TABULATION
2015 SEWER LINING PROGRAM

-----ESTIMATE-----

ITEM	DESCRIPTION	QUANTITY	UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
1	Traffic Control	1	LS	\$50,000.00	\$50,000.00			
2	Mobilization	1	LS	\$100,000.00	\$100,000.00			
3	Sewer Liner, 10" CIPP	250	LF	\$35.00	\$8,750.00			
4	Sewer Liner, 12" CIPP	725	LF	\$45.00	\$32,625.00			
5	Sewer Liner, 21" CIPP	400	LF	\$125.00	\$50,000.00			
6	Sewer Liner, 24" CIPP	125	LF	\$150.00	\$18,750.00			
7	Sewer Liner, 30" CIPP	800	LF	\$160.00	\$128,000.00			
8	Sewer Liner, 36" CIPP	350	LF	\$175.00	\$61,250.00			
9	Sewer Liner, 48" CIPP	3250	LF	\$275.00	\$893,750.00			
10	Sewer Liner, 54" CIPP	170	LF	\$400.00	\$68,000.00			
11	Sewer Liner, 60" CIPP	80	LF	\$425.00	\$34,000.00			
12	Sewer Liner, 48" Slip Liner	50	LF	\$600.00	\$30,000.00			
13	Sewer Liner, 90" Centrifugally Cast Cementitious Pipe Liner	250	LF	\$1,000.00	\$250,000.00			
14	Sewer Service Reconnection	250	EACH	\$175.00	\$43,750.00			
15	Sewer Service Connection CIPP Liner	25	EACH	\$2,000.00	\$50,000.00			
16	Sewer Cleaning and Televising, 8"-30" Diam.	2300	LF	\$5.00	\$11,500.00			
17	Sewer Cleaning and Televising, 36"-90" Diam.	10650	LF	\$20.00	\$213,000.00			
18	Bypass Pumping	1	LS	\$175,000.00	\$175,000.00			
19	Manhole, 48" Diameter Structure	7	EACH	\$10,000.00	\$70,000.00			
20	Manhole, Type SW-304	7	EACH	\$25,000.00	\$175,000.00			
21	Manhole, Type SW-403	2	EACH	\$20,000.00	\$40,000.00			
22	Intake, Type SW-507	1	EACH	\$7,500.00	\$7,500.00			
23	Minor Manhole Adjustment	2	EACH	\$1,250.00	\$2,500.00			
24	Major Manhole Adjustment	2	EACH	\$2,500.00	\$5,000.00			
25	Manhole Lining with Centrifugally Cast Mortar Liner	25	EACH	\$1,500.00	\$37,500.00			
26	SE 5th Street Sinkhole Repair	1	LS	\$4,000.00	\$4,000.00			
27	E. 13th Spot Repair (Repair #1)	1	LS	\$10,000.00	\$10,000.00			
28	E. 13th Spot Repair (Repair #2)	1	LS	\$15,000.00	\$15,000.00			
29	E. 13th Street Cavity Repair (Repair #3)	1	LS	\$4,000.00	\$4,000.00			
30	30th Street Spot Repair (Repair #1)	1	LS	\$15,000.00	\$15,000.00			
31	30th Street Spot Repair (Repair #2)	1	LS	\$10,000.00	\$10,000.00			
32	Spot Repair, 14' Deep or Less, 21" Diam. Or Less	7	EACH	\$10,000.00	\$70,000.00			
33	Spot Repair, 14' Deep or Less, Greater than 21" Diam.	5	EACH	\$12,000.00	\$60,000.00			
34	Spot Repair, Greater than 14' Deep, 21" Diam. Or Less	7	EACH	\$13,000.00	\$91,000.00			
35	Spot Repair, Greater than 14' Deep, Greater than 21" Diam.	5	EACH	\$15,000.00	\$75,000.00			
36	Sewer Service Connection Repair made during Spot Repair	7	EACH	\$2,000.00	\$14,000.00			
37	Traffic Control for Spot Repair, Residential Street	10	EACH	\$1,500.00	\$15,000.00			
38	Traffic Control for Spot Repair, Non-Residential Street	10	EACH	\$2,500.00	\$25,000.00			
39	Composite Pavement	500	SY	\$175.00	\$87,500.00			
40	PCC Pavement, 6"	300	SY	\$60.00	\$18,000.00			
41	PCC Pavement, 8"	200	SY	\$75.00	\$15,000.00			
42	Temporary Cap for Composite Pavement Patch	100	SY	\$20.00	\$2,000.00			
43	PCC Curb and Gutter	20	LF	\$40.00	\$800.00			
44	PCC Sidewalk	20	SY	\$50.00	\$1,000.00			
45	Pavement Removal	750	SY	\$15.00	\$11,250.00			

INSITUFORM TECH. USA, LLC
CHESTERFIELD, MO

BID SECURITY
10% BID BOND

BID PRICE

CONTRACTOR

BID SECURITY

BID PRICE

CONTRACTOR

BID SECURITY

BID PRICE

UNIT	PRICE	AMOUNT	UNIT	PRICE	AMOUNT
		\$160,000.00			\$160,000.00
		\$63,000.00			\$63,000.00
		\$43.00			\$10,750.00
		\$46.00			\$33,350.00
		\$90.00			\$36,000.00
		\$185.00			\$23,125.00
		\$160.00			\$128,000.00
		\$180.00			\$63,000.00
		\$330.00			\$1,072,500.00
		\$455.00			\$77,350.00
		\$775.00			\$62,000.00
		\$710.00			\$35,500.00
		\$585.00			\$146,250.00
		\$1.00			\$250.00
		\$2,295.00			\$57,375.00
		\$10.00			\$23,000.00
		\$50.00			\$532,500.00
		\$185,000.00			\$185,000.00
		\$21,850.00			\$152,950.00
		\$34,950.00			\$244,650.00
		\$32,775.00			\$65,550.00
		\$10,925.00			\$10,925.00
		\$875.00			\$1,750.00
		\$5,300.00			\$10,600.00
		\$1,300.00			\$32,500.00
		\$6,550.00			\$6,550.00
		\$15,840.00			\$15,840.00
		\$24,580.00			\$24,580.00
		\$5,460.00			\$5,460.00
		\$21,300.00			\$21,300.00
		\$16,930.00			\$16,930.00
		\$17,480.00			\$122,360.00
		\$25,675.00			\$128,375.00
		\$28,405.00			\$198,835.00
		\$32,775.00			\$163,875.00
		\$4,370.00			\$30,590.00
		\$1,090.00			\$10,900.00
		\$2,185.00			\$21,850.00
		\$138.00			\$69,000.00
		\$87.00			\$26,100.00
		\$105.00			\$21,000.00
		\$65.00			\$6,500.00
		\$60.00			\$1,200.00
		\$55.00			\$1,100.00
		\$15.00			\$11,250.00

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>	<u>UNIT</u>	<u>PRICE</u>	<u>AMOUNT</u>
46	Uniformed Police Officer	15	EACH	\$500.00	\$7,500.00	\$435.00		\$6,525.00			
47	Sodding	15	SQ	\$150.00	\$2,250.00	\$130.00		\$1,950.00			
48	Rip Rap, Class D	80	TON	\$75.00	\$6,000.00	\$60.00		\$4,800.00			
49	Filter Sock	100	LF	\$4.00	\$400.00	\$4.00		\$400.00			
50	Remove Filter Sock	100	LF	\$1.00	\$100.00	\$1.30		\$130.00			
51	RCP Apron w/ Footing and Apron Guard, 48"	1	EACH	\$5,000.00	\$5,000.00	\$7,000.00		\$7,000.00			
52	RCP Apron w/ Footing and Apron Guard, 54"	1	EACH	\$6,000.00	\$6,000.00	\$7,650.00		\$7,650.00			
53	Tree Protection Fencing	665	LF	\$5.00	\$3,325.00	\$5.50		\$3,657.50			
54	Mobilization for Emergency Spot Repair	10	EACH	\$2,000.00	\$20,000.00	\$2,185.00		\$21,850.00			
55	Manhole Enlargement	4	EACH	\$15,000.00	\$60,000.00	\$17,000.00		\$68,000.00			
56	Sewer Cleanings	1000	TON	\$40.00	\$40,000.00	\$65.50		\$65,500.00			
57	Dewatering	4	EACH	\$5,000.00	\$20,000.00	\$7,430.00		\$29,720.00			
TOTAL CONSTRUCTION COST						\$3,270,000.00		\$4,348,652.50			
PERCENT OF ENGINEER'S ESTIMATE								+22.62%			

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