

2016 Annual Lining Contract
CIP 650404-100043
Cost Estimate

2016 ANNUAL LINING CONTRACT			BID DATE: 07/26/2017		CIP: 650404-100043	
Engineer's Estimate			P.M. Mike Griffith		OWDA - WPCLF Loan Funded	
Order Number	Item No.	Description	Estimated Quantities	Units	Unit Cost	Total
1	604	Manholes, in Pavement	6	EA	\$9,000.00	\$54,000.00
2	614	Maintaining Traffic	1	LS	\$35,000.00	\$35,000.00
3	SS-3	6-inch, Bypass Pumping	1	LS	\$1,000.00	\$1,000.00
4	SS-3	8-inch, Bypass Pumping	1	LS	\$10,000.00	\$10,000.00
5	SS-3	9-inch, Bypass Pumping	1	LS	\$1,000.00	\$1,000.00
6	SS-3	10-inch, Bypass Pumping	1	LS	\$1,000.00	\$1,000.00
7	SS-3	12-inch, Bypass Pumping	1	LS	\$10,000.00	\$10,000.00
8	SS-3	15-inch, Bypass Pumping	1	LS	\$2,000.00	\$2,000.00
9	SS-3	18-inch, Bypass Pumping	1	LS	\$3,000.00	\$3,000.00
10	SS-3	20-inch, Bypass Pumping	1	LS	\$1,000.00	\$1,000.00
11	SS-3	21-inch, Bypass Pumping	1	LS	\$8,000.00	\$8,000.00
12	SS-3	24-inch, Bypass Pumping	1	LS	\$12,000.00	\$12,000.00
13	SS-3	27-inch, Bypass Pumping	1	LS	\$4,000.00	\$4,000.00
14	SS-3	36-inch, Bypass Pumping	1	LS	\$50,000.00	\$50,000.00
15	SS-3	48-inch, Bypass Pumping	1	LS	\$10,000.00	\$10,000.00
16	SS-3	36" x 24" Oval, Bypass Pumping	1	LS	\$5,000.00	\$5,000.00
17	SS-4	6-inch, Sewer Cleaning	150	LF	\$3.00	\$450.00
18	SS-4	8-inch, Sewer Cleaning	14,600	LF	\$3.00	\$43,800.00
19	SS-4	9-inch, Sewer Cleaning	520	LF	\$3.00	\$1,560.00
20	SS-4	10-inch, Sewer Cleaning	1,200	LF	\$3.00	\$3,600.00
21	SS-4	12-inch, Sewer Cleaning	13,520	LF	\$3.00	\$40,560.00
22	SS-4	15-inch, Sewer Cleaning	3,390	LF	\$3.00	\$10,170.00
23	SS-4	18-inch, Sewer Cleaning	3,210	LF	\$3.50	\$11,235.00
24	SS-4	20-inch, Sewer Cleaning	170	LF	\$3.50	\$595.00
25	SS-4	21-inch, Sewer Cleaning	1,550	LF	\$3.50	\$5,425.00
26	SS-4	24-inch, Sewer Cleaning	2,240	LF	\$3.80	\$8,512.00
27	SS-4	27-inch, Sewer Cleaning	820	LF	\$5.00	\$4,100.00
28	SS-4	36-inch, Sewer Cleaning	1,910	LF	\$6.00	\$11,460.00
29	SS-4	48-inch, Sewer Cleaning	400	LF	\$8.00	\$3,200.00
30	SS-4	36" x 24" Oval, Sewer Cleaning	180	LF	\$5.00	\$900.00
31	SS-4	6-inch, Heavy Sewer Cleaning, as Directed by the Engineer	50	LF	\$1.20	\$60.00
32	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	4,380	LF	\$1.20	\$5,256.00
33	SS-4	9-inch, Heavy Sewer Cleaning, as Directed by the Engineer	160	LF	\$1.20	\$192.00
34	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	360	LF	\$1.20	\$432.00
35	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	4,060	LF	\$1.20	\$4,872.00
36	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	1,020	LF	\$1.20	\$1,224.00
37	SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	970	LF	\$1.50	\$1,455.00

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Order Number	Item No.	Description	Estimated Quantities	Units	Unit Cost	Total
38	SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	60	LF	\$1.50	\$90.00
39	SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	470	LF	\$1.50	\$705.00
40	SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	680	LF	\$1.50	\$1,020.00
41	SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	250	LF	\$2.50	\$625.00
42	SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	580	LF	\$2.50	\$1,450.00
43	SS-4	48-inch, Heavy Sewer Cleaning, as Directed by the Engineer	120	LF	\$5.00	\$600.00
44	SS-4	36" x 24" Oval, Heavy Sewer Cleaning, as Directed by the Engineer	60	LF	\$2.50	\$150.00
45	SS-5	6-inch, Sewer Televising	150	LF	\$1.50	\$225.00
46	SS-5	8-inch, Sewer Televising	14,600	LF	\$1.50	\$21,900.00
47	SS-5	9-inch, Sewer Televising	520	LF	\$1.50	\$780.00
48	SS-5	10-inch, Sewer Televising	1,200	LF	\$1.50	\$1,800.00
49	SS-5	12-inch, Sewer Televising	13,520	LF	\$1.50	\$20,280.00
50	SS-5	15-inch, Sewer Televising	3,390	LF	\$1.50	\$5,085.00
51	SS-5	18-inch, Sewer Televising	3,210	LF	\$2.00	\$6,420.00
52	SS-5	20-inch, Sewer Televising	170	LF	\$2.00	\$340.00
53	SS-5	21-inch, Sewer Televising	1,550	LF	\$2.00	\$3,100.00
54	SS-5	24-inch, Sewer Televising	2,240	LF	\$2.00	\$4,480.00
55	SS-5	27-inch, Sewer Televising	820	LF	\$2.50	\$2,050.00
56	SS-5	36-inch, Sewer Televising	1,910	LF	\$2.50	\$4,775.00
57	SS-5	48-inch, Sewer Televising	400	LF	\$4.00	\$1,600.00
58	SS-5	36" x 24" Oval, Sewer Televising	180	LF	\$2.50	\$450.00
59	SS-7	Cementitious Grouting, as Directed by the Engineer	10	CF	\$200.00	\$2,000.00
60	SS-10	Replace Manhole Frame and Cover	258	EA	\$1,000.00	\$258,000.00
61	SS-10	Concrete Collar	221	EA	\$400.00	\$88,400.00
62	SS-10	Flexible Chimney Seal	258	EA	\$300.00	\$77,400.00
63	SS-10	Manhole Lining	2,810	VF	\$130.00	\$365,300.00
64	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	5	EA	\$700.00	\$3,500.00
65	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	5	EA	\$300.00	\$1,500.00
66	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	5	EA	\$700.00	\$3,500.00
67	SS-11	Lateral Sewer Televised, as Directed by the Engineer	30	EA	\$500.00	\$15,000.00
68	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	5	EA	\$300.00	\$1,500.00
69	SS-12	6-inch CIPP, 6.0 mm Min Thickness	150	LF	\$24.00	\$3,600.00
70	SS-12	8-inch CIPP, 6.0 mm Min Thickness	14,600	LF	\$26.00	\$379,600.00
71	SS-12	9-inch CIPP, 6.0 mm Min Thickness	520	LF	\$29.00	\$15,080.00
72	SS-12	10-inch CIPP 6.0 mm Min Thickness	1,200	LF	\$30.00	\$36,000.00
73	SS-12	12-inch CIPP, 6.0 mm Min Thickness	13,520	LF	\$33.00	\$446,160.00
74	SS-12	15-inch CIPP 7.5 mm Min Thickness	3,390	LF	\$42.00	\$142,380.00

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Cost Estimate

Order Number	Item No.	Description	Estimated Quantities	Units	Unit Cost	Total
75	SS-12	18-inch CIPP 9.0 mm Min Thickness	3,210	LF	\$52.00	\$166,920.00
76	SS-12	20-inch CIPP 10.5 mm Min Thickness	170	LF	\$70.00	\$11,900.00
77	SS-12	21-inch CIPP, 10.5 mm Min Thickness	1,550	LF	\$70.00	\$108,500.00
78	SS-12	24-inch CIPP 12.0 mm Min Thickness	2,240	LF	\$85.00	\$190,400.00
79	SS-12	27-inch CIPP 13.5 mm Min Thickness	820	LF	\$105.00	\$86,100.00
80	SS-12	36-inch CIPP 18.0 mm Min Thickness	1,910	LF	\$165.00	\$315,150.00
81	SS-12	48-inch CIPP, 24.0 mm Min Thickness	400	LF	\$320.00	\$128,000.00
82	SS-12	36" x 24" Oval CIPP, 15.0 mm Min Thickness	180	LF	\$125.00	\$22,500.00
83	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (6" CIPP)	1	LF	\$2.00	\$2.00
84	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	1	LF	\$2.00	\$2.00
85	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (9" CIPP)	1	LF	\$3.00	\$3.00
86	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	1	LF	\$3.00	\$3.00
87	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	1	LF	\$4.00	\$4.00
88	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	1	LF	\$5.00	\$5.00
89	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	1	LF	\$6.00	\$6.00
90	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	1	LF	\$6.00	\$6.00
91	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	1	LF	\$6.00	\$6.00
92	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	1	LF	\$7.00	\$7.00
93	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	1	LF	\$8.00	\$8.00
94	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	1	LF	\$10.00	\$10.00
95	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (48" CIPP)	1	LF	\$15.00	\$15.00
96	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" x 24" Oval CIPP)	1	LF	\$8.00	\$8.00
97	SS-12	Air Test	200	EA	\$250.00	\$50,000.00
98	SS-12	Lateral Sewer Reestablished	930	EA	\$80.00	\$74,400.00
		SUBTOTAL				\$3,436,858.00
99	Spec	Force Account	1	LS		\$3,000,000.00
		TOTAL				\$6,436,858.00

THE BIDDER'S TOTAL ABOVE IS HIS TOTAL BID BASED UPON HIS UNIT PRICES AND LUMP SUM PRICES AND THE ESTIMATED QUANTITIES SHOWN ON THE PLANS. THIS FIGURE IS FOR INFORMATION AT THE TIME OF THE OPENING OF THE BIDS ONLY. THE CITY WILL MAKE THE TABULATION FROM THE UNIT PRICES AND LUMP SUM PRICE BID. IF THERE IS AN ERROR IN THE TOTAL BY THE BIDDER, IT SHALL BE CHANGED AS ONLY THE UNIT PRICES AND LUMP

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Order Number	Item No.	Description	Estimated Quantities	Units	Unit Cost	Total
SUM PRICES SHALL GOVERN.						

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Cost Estimate

INLAND WATERS POLLUTION CONTROL, INC.				BID DATE: 07/26/2017		CIP: 650
FORM B3 - UNIT BID PRICE FORMS (Unit Price w/Labor & Materials)						
Ref Num	Item No.	Description	Quantity	Units	Price Of Materials	Price Of Labor
1	604	Manholes, in Pavement	\$6.00	EA	\$7,200.00	\$4,800.00
2	614	Maintaining Traffic	\$1.00	LS	\$15,000.00	\$10,000.00
3	SS-3	6-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
4	SS-3	8-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
5	SS-3	9-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
6	SS-3	10-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
7	SS-3	12-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
8	SS-3	15-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
9	SS-3	18-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
10	SS-3	20-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
11	SS-3	21-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
12	SS-3	24-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
13	SS-3	27-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
14	SS-3	36-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
15	SS-3	48-inch, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
16	SS-3	36" x 24" Oval, Bypass Pumping	\$1.00	LS	\$360.00	\$240.00
17	SS-4	6-inch, Sewer Cleaning	\$150.00	LF	\$1.77	\$1.18
18	SS-4	8-inch, Sewer Cleaning	\$14,600.00	LF	\$1.77	\$1.18
19	SS-4	9-inch, Sewer Cleaning	\$520.00	LF	\$1.77	\$1.18
20	SS-4	10-inch, Sewer Cleaning	\$1,200.00	LF	\$1.77	\$1.18
21	SS-4	12-inch, Sewer Cleaning	\$13,520.00	LF	\$1.77	\$1.18
22	SS-4	15-inch, Sewer Cleaning	\$3,390.00	LF	\$1.95	\$1.30
23	SS-4	18-inch, Sewer Cleaning	\$3,210.00	LF	\$1.95	\$1.30
24	SS-4	20-inch, Sewer Cleaning	\$170.00	LF	\$2.07	\$1.38
25	SS-4	21-inch, Sewer Cleaning	\$1,550.00	LF	\$2.07	\$1.38
26	SS-4	24-inch, Sewer Cleaning	\$2,240.00	LF	\$2.07	\$1.38
27	SS-4	27-inch, Sewer Cleaning	\$820.00	LF	\$2.70	\$1.80
28	SS-4	36-inch, Sewer Cleaning	\$1,910.00	LF	\$3.00	\$2.00
29	SS-4	48-inch, Sewer Cleaning	\$400.00	LF	\$3.60	\$2.40
30	SS-4	36" x 24" Oval, Sewer Cleaning	\$180.00	LF	\$3.60	\$2.40
31	SS-4	6-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$50.00	LF	\$0.60	\$0.40
32	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$4,380.00	LF	\$0.60	\$0.40
33	SS-4	9-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$160.00	LF	\$0.60	\$0.40
34	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$360.00	LF	\$0.60	\$0.40
35	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$4,060.00	LF	\$0.60	\$0.40
36	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,020.00	LF	\$0.60	\$0.40
37	SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$970.00	LF	\$0.60	\$0.40

2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

Ref Num	Item No.	Description	Quantity	Units	Price Of Materials	Price Of Labor
38	SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	\$0.60	\$0.40
39	SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00	LF	\$0.60	\$0.40
40	SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$680.00	LF	\$0.60	\$0.40
41	SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$250.00	LF	\$0.90	\$0.60
42	SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$580.00	LF	\$0.90	\$0.60
43	SS-4	48-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$120.00	LF	\$0.90	\$0.60
44	SS-4	36" x 24" Oval, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	\$0.90	\$0.60
45	SS-5	6-inch, Sewer Televising	\$150.00	LF	\$0.60	\$0.40
46	SS-5	8-inch, Sewer Televising	\$14,600.00	LF	\$0.60	\$0.40
47	SS-5	9-inch, Sewer Televising	\$520.00	LF	\$0.60	\$0.40
48	SS-5	10-inch, Sewer Televising	\$1,200.00	LF	\$0.60	\$0.40
49	SS-5	12-inch, Sewer Televising	\$13,520.00	LF	\$0.60	\$0.40
50	SS-5	15-inch, Sewer Televising	\$3,390.00	LF	\$0.60	\$0.40
51	SS-5	18-inch, Sewer Televising	\$3,210.00	LF	\$0.60	\$0.40
52	SS-5	20-inch, Sewer Televising	\$170.00	LF	\$0.60	\$0.40
53	SS-5	21-inch, Sewer Televising	\$1,550.00	LF	\$0.60	\$0.40
54	SS-5	24-inch, Sewer Televising	\$2,240.00	LF	\$0.60	\$0.40
55	SS-5	27-inch, Sewer Televising	\$820.00	LF	\$0.60	\$0.40
56	SS-5	36-inch, Sewer Televising	\$1,910.00	LF	\$0.60	\$0.40
57	SS-5	48-inch, Sewer Televising	\$400.00	LF	\$0.60	\$0.40
58	SS-5	36" x 24" Oval, Sewer Televising	\$180.00	LF	\$0.60	\$0.40
59	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	\$60.00	\$40.00
60	SS-10	Replace Manhole Frame and Cover	\$258.00	EA	\$531.00	\$354.00
61	SS-10	Concrete Collar	\$221.00	EA	\$300.00	\$200.00
62	SS-10	Flexible Chimney Seal	\$258.00	EA	\$162.00	\$108.00
63	SS-10	Manhole Lining	\$2,810.00	VF	\$72.00	\$48.00
64	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	\$360.00	\$240.00
65	SS-10	Raise Manhole Cover to Grade, as Directed by the Engineer	\$5.00	EA	\$120.00	\$80.00
66	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by the Engineer	\$5.00	EA	\$210.00	\$140.00
67	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$30.00	EA	\$180.00	\$120.00
68	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$5.00	EA	\$135.00	\$90.00
69	SS-12	6-inch CIPP, 6.0 mm Min Thickness	\$150.00	LF	\$21.00	\$14.00
70	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$14,600.00	LF	\$15.00	\$10.00
71	SS-12	9-inch CIPP, 6.0 mm Min Thickness	\$520.00	LF	\$15.00	\$10.00
72	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$1,200.00	LF	\$16.80	\$11.20
73	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$13,520.00	LF	\$18.00	\$12.00
74	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$3,390.00	LF	\$21.90	\$14.60

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Cost Estimate

Ref Num	Item No.	Description	Quantity	Units	Price Of Materials	Price Of Labor
75	SS-12	18-inch CIPP 9.0 mm Min Thickness	\$3,210.00	LF	\$27.00	\$18.00
76	SS-12	20-inch CIPP 10.5 mm Min Thickness	\$170.00	LF	\$46.80	\$31.20
77	SS-12	21-inch CIPP, 10.5 mm Min Thickness	\$1,550.00	LF	\$47.55	\$31.70
78	SS-12	24-inch CIPP 12.0 mm Min Thickness	\$2,240.00	LF	\$42.00	\$28.00
79	SS-12	27-inch CIPP 13.5 mm Min Thickness	\$820.00	LF	\$48.00	\$32.00
80	SS-12	36-inch CIPP 18.0 mm Min Thickness	\$1,910.00	LF	\$75.00	\$50.00
81	SS-12	48-inch CIPP, 24.0 mm Min Thickness	\$400.00	LF	\$174.00	\$116.00
82	SS-12	36" x 24" Oval CIPP, 15.0 mm Min Thickness	\$180.00	LF	\$75.00	\$50.00
83	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$1.20	\$0.80
84	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$1.35	\$0.90
85	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$1.50	\$1.00
86	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$1.65	\$1.10
87	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$1.80	\$1.20
88	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$1.95	\$1.30
89	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$2.10	\$1.40
90	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$2.70	\$1.80
91	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$2.85	\$1.90
92	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$3.00	\$2.00
93	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$3.30	\$2.20
94	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$3.60	\$2.40
95	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$6.60	\$4.40
96	SS-12	1.5 mm Incremental Wall Thickness Increase or	\$1.00	LF	\$6.00	\$4.00
97	SS-12	Air Test	\$200.00	EA	\$117.00	\$78.00
98	SS-12	Lateral Sewer Reestablished	\$930.00	EA	\$39.00	\$26.00
		SUBTOTAL				
99	Spec	Force Account (Contingency)	\$1.00	LS	\$3,000,000.00	\$0.00
		TOTAL				

Bond Amount
Proposal Bond Amount Required

2016 Annual Lining Contract

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Ref Num	Item No.	Description	Quantity	Units	Price Of Materials	Price Of Labor			
<table><tr><th>NOTES</th></tr><tr><td>1.) Apparent Low Bidder is Layne Inliner</td></tr><tr><td>2.) Inland Water's bid deemed non-responsive. Reason - the use of a non approved lining product as required by the bid specifications.</td></tr></table>						NOTES	1.) Apparent Low Bidder is Layne Inliner	2.) Inland Water's bid deemed non-responsive. Reason - the use of a non approved lining product as required by the bid specifications.	Contract Compliance No.
						NOTES			
						1.) Apparent Low Bidder is Layne Inliner			
						2.) Inland Water's bid deemed non-responsive. Reason - the use of a non approved lining product as required by the bid specifications.			
						Vendor #			
						Non-Collusion Affidavit Completed?			
						Local Vendor? Y/N			
						Addendum Acknowledgment Completed?			
Prequalified									
Proposal Affidavit Completed?									

**2016 Annual Lining Contract
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Cost Estimate**

LAYNE INLINER LLC				BID DATE
FORM B3 - UNIT BID PRICE FORMS (Unit Price w/Labor & Materials)				
Ref Num	Item No.	Description	Quantity	Units
1	604	Manholes, in Pavement	\$6.00	EA
2	614	Maintaining Traffic	\$1.00	LS
3	SS-3	6-inch, Bypass Pumping	\$1.00	LS
4	SS-3	8-inch, Bypass Pumping	\$1.00	LS
5	SS-3	9-inch, Bypass Pumping	\$1.00	LS
6	SS-3	10-inch, Bypass Pumping	\$1.00	LS
7	SS-3	12-inch, Bypass Pumping	\$1.00	LS
8	SS-3	15-inch, Bypass Pumping	\$1.00	LS
9	SS-3	18-inch, Bypass Pumping	\$1.00	LS
10	SS-3	20-inch, Bypass Pumping	\$1.00	LS
11	SS-3	21-inch, Bypass Pumping	\$1.00	LS
12	SS-3	24-inch, Bypass Pumping	\$1.00	LS
13	SS-3	27-inch, Bypass Pumping	\$1.00	LS
14	SS-3	36-inch, Bypass Pumping	\$1.00	LS
15	SS-3	48-inch, Bypass Pumping	\$1.00	LS
16	SS-3	36" x 24" Oval, Bypass Pumping	\$1.00	LS
17	SS-4	6-inch, Sewer Cleaning	\$150.00	LF
18	SS-4	8-inch, Sewer Cleaning	\$14,600.00	LF
19	SS-4	9-inch, Sewer Cleaning	\$520.00	LF
20	SS-4	10-inch, Sewer Cleaning	\$1,200.00	LF
21	SS-4	12-inch, Sewer Cleaning	\$13,520.00	LF
22	SS-4	15-inch, Sewer Cleaning	\$3,390.00	LF
23	SS-4	18-inch, Sewer Cleaning	\$3,210.00	LF
24	SS-4	20-inch, Sewer Cleaning	\$170.00	LF
25	SS-4	21-inch, Sewer Cleaning	\$1,550.00	LF
26	SS-4	24-inch, Sewer Cleaning	\$2,240.00	LF
27	SS-4	27-inch, Sewer Cleaning	\$820.00	LF
28	SS-4	36-inch, Sewer Cleaning	\$1,910.00	LF
29	SS-4	48-inch, Sewer Cleaning	\$400.00	LF
30	SS-4	36" x 24" Oval, Sewer Cleaning	\$180.00	LF
31	SS-4	6-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$50.00	LF
32	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$4,380.00	LF
33	SS-4	9-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$160.00	LF
34	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$360.00	LF
35	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$4,060.00	LF
36	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,020.00	LF
37	SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$970.00	LF

2016 Annual Lining Contract
CIP 650404-100043
Cost Estimate

Extension
\$60.00
\$470.00
\$680.00
\$375.00
\$870.00
\$180.00
\$90.00
\$150.00
\$14,600.00
\$520.00
\$1,200.00
\$13,520.00
\$3,390.00
\$3,210.00
\$170.00
\$1,550.00
\$2,240.00
\$820.00
\$1,910.00
\$400.00
\$180.00
\$1,000.00
\$228,330.00
\$110,500.00
\$69,660.00
\$337,200.00
\$3,000.00
\$1,000.00
\$1,750.00
\$9,000.00
\$1,125.00
\$5,250.00
\$365,000.00
\$13,000.00
\$33,600.00
\$405,600.00
\$123,735.00

Ref Num	Item No.	Description	Quantity	Units
38	SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF
39	SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00	LF
40	SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$680.00	LF
41	SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$250.00	LF
42	SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$580.00	LF
43	SS-4	48-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$120.00	LF
44	SS-4	36" x 24" Oval, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF
45	SS-5	6-inch, Sewer Televising	\$150.00	LF
46	SS-5	8-inch, Sewer Televising	\$14,600.00	LF
47	SS-5	9-inch, Sewer Televising	\$520.00	LF
48	SS-5	10-inch, Sewer Televising	\$1,200.00	LF
49	SS-5	12-inch, Sewer Televising	\$13,520.00	LF
50	SS-5	15-inch, Sewer Televising	\$3,390.00	LF
51	SS-5	18-inch, Sewer Televising	\$3,210.00	LF
52	SS-5	20-inch, Sewer Televising	\$170.00	LF
53	SS-5	21-inch, Sewer Televising	\$1,550.00	LF
54	SS-5	24-inch, Sewer Televising	\$2,240.00	LF
55	SS-5	27-inch, Sewer Televising	\$820.00	LF
56	SS-5	36-inch, Sewer Televising	\$1,910.00	LF
57	SS-5	48-inch, Sewer Televising	\$400.00	LF
58	SS-5	36" x 24" Oval, Sewer Televising	\$180.00	LF
59	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF
60	SS-10	Replace Manhole Frame and Cover	\$258.00	EA
61	SS-10	Concrete Collar	\$221.00	EA
62	SS-10	Flexible Chimney Seal	\$258.00	EA
63	SS-10	Manhole Lining	\$2,810.00	VF
64	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA
65	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA
66	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA
67	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$30.00	EA
68	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$5.00	EA
69	SS-12	6-inch CIPP, 6.0 mm Min Thickness	\$150.00	LF
70	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$14,600.00	LF
71	SS-12	9-inch CIPP, 6.0 mm Min Thickness	\$520.00	LF
72	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$1,200.00	LF
73	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$13,520.00	LF
74	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$3,390.00	LF

2016 Annual Lining Contract
CIP 650404-100043
Cost Estimate

Extension
\$144,450.00
\$13,260.00
\$122,837.50
\$156,800.00
\$65,600.00
\$238,750.00
\$116,000.00
\$22,500.00
\$2.00
\$2.25
\$2.50
\$2.75
\$3.00
\$3.25
\$3.50
\$4.50
\$4.75
\$5.00
\$5.50
\$6.00
\$11.00
\$10.00
\$39,000.00
\$60,450.00
\$2,991,751.00
\$3,000,000.00
\$5,991,751.00
10.0%
\$599,175.10

Ref Num	Item No.	Description	Quantity	Units
75	SS-12	18-inch CIPP 9.0 mm Min Thickness	\$3,210.00	LF
76	SS-12	20-inch CIPP 10.5 mm Min Thickness	\$170.00	LF
77	SS-12	21-inch CIPP, 10.5 mm Min Thickness	\$1,550.00	LF
78	SS-12	24-inch CIPP 12.0 mm Min Thickness	\$2,240.00	LF
79	SS-12	27-inch CIPP 13.5 mm Min Thickness	\$820.00	LF
80	SS-12	36-inch CIPP 18.0 mm Min Thickness	\$1,910.00	LF
81	SS-12	48-inch CIPP, 24.0 mm Min Thickness	\$400.00	LF
82	SS-12	36" x 24" Oval CIPP, 15.0 mm Min Thickness	\$180.00	LF
83	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (6" CIPP)	\$1.00	LF
84	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF
85	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (9" CIPP)	\$1.00	LF
86	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF
87	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF
88	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF
89	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	\$1.00	LF
90	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	\$1.00	LF
91	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	\$1.00	LF
92	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	\$1.00	LF
93	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	\$1.00	LF
94	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	\$1.00	LF
95	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (48" CIPP)	\$1.00	LF
96	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" x 24" Oval CIPP)	\$1.00	LF
97	SS-12	Air Test	\$200.00	EA
98	SS-12	Lateral Sewer Reestablished	\$930.00	EA
		SUBTOTAL		
99	Spec	Force Account (Contingency)	\$1.00	LS
		TOTAL		

2016 Annual Lining Contract
CIP 650404-100043
Cost Estimate

Extension
38-2024780
007535
Yes
No
NA
Yes
Yes

Ref Num	Item No.	Description	Quantity	Units
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2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

07/26/2017		CIP: 650404-100043
Price Of Materials	Price Of Labor	Extension
\$7,200.00	\$4,800.00	\$72,000.00
\$48,600.00	\$32,400.00	\$81,000.00
\$30.00	\$20.00	\$50.00
\$3,000.00	\$2,000.00	\$5,000.00
\$120.00	\$80.00	\$200.00
\$300.00	\$200.00	\$500.00
\$3,000.00	\$2,000.00	\$5,000.00
\$2,100.00	\$1,400.00	\$3,500.00
\$9,000.00	\$6,000.00	\$15,000.00
\$1,500.00	\$1,000.00	\$2,500.00
\$6,000.00	\$4,000.00	\$10,000.00
\$9,600.00	\$6,400.00	\$16,000.00
\$2,100.00	\$1,400.00	\$3,500.00
\$18,000.00	\$12,000.00	\$30,000.00
\$2,100.00	\$1,400.00	\$3,500.00
\$7,200.00	\$4,800.00	\$12,000.00
\$1.80	\$1.20	\$450.00
\$1.80	\$1.20	\$43,800.00
\$1.80	\$1.20	\$1,560.00
\$1.80	\$1.20	\$3,600.00
\$1.80	\$1.20	\$40,560.00
\$2.40	\$1.60	\$13,560.00
\$2.40	\$1.60	\$12,840.00
\$3.00	\$2.00	\$850.00
\$3.00	\$2.00	\$7,750.00
\$3.60	\$2.40	\$13,440.00
\$4.20	\$2.80	\$5,740.00
\$4.80	\$3.20	\$15,280.00
\$6.00	\$4.00	\$4,000.00
\$4.80	\$3.20	\$1,440.00
\$1.20	\$0.80	\$100.00
\$1.20	\$0.80	\$8,760.00
\$1.20	\$0.80	\$320.00
\$1.80	\$1.20	\$1,080.00
\$1.80	\$1.20	\$12,180.00
\$2.40	\$1.60	\$4,080.00
\$3.00	\$2.00	\$4,850.00

INSTITUFORM TECHNOLOGIES LLC		
FORM B3 - UNIT BID PRICE FORMS (Unit Price w/Labor &		
Ref Num	Item No.	Description
1	604	Manholes, in Pavement
2	614	Maintaining Traffic
3	SS-3	6-inch, Bypass Pumping
4	SS-3	8-inch, Bypass Pumping
5	SS-3	9-inch, Bypass Pumping
6	SS-3	10-inch, Bypass Pumping
7	SS-3	12-inch, Bypass Pumping
8	SS-3	15-inch, Bypass Pumping
9	SS-3	18-inch, Bypass Pumping
10	SS-3	20-inch, Bypass Pumping
11	SS-3	21-inch, Bypass Pumping
12	SS-3	24-inch, Bypass Pumping
13	SS-3	27-inch, Bypass Pumping
14	SS-3	36-inch, Bypass Pumping
15	SS-3	48-inch, Bypass Pumping
16	SS-3	36" x 24" Oval, Bypass Pumping
17	SS-4	6-inch, Sewer Cleaning
18	SS-4	8-inch, Sewer Cleaning
19	SS-4	9-inch, Sewer Cleaning
20	SS-4	10-inch, Sewer Cleaning
21	SS-4	12-inch, Sewer Cleaning
22	SS-4	15-inch, Sewer Cleaning
23	SS-4	18-inch, Sewer Cleaning
24	SS-4	20-inch, Sewer Cleaning
25	SS-4	21-inch, Sewer Cleaning
26	SS-4	24-inch, Sewer Cleaning
27	SS-4	27-inch, Sewer Cleaning
28	SS-4	36-inch, Sewer Cleaning
29	SS-4	48-inch, Sewer Cleaning
30	SS-4	36" x 24" Oval, Sewer Cleaning
31	SS-4	6-inch, Heavy Sewer Cleaning, as Directed by the Engineer
32	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer
33	SS-4	9-inch, Heavy Sewer Cleaning, as Directed by the Engineer
34	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer
35	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer
36	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer
37	SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer

2016 Annual Lining Contract
CIP 650404-100043
Cost Estimate

Price Of Materials	Price Of Labor	Extension
\$3.00	\$2.00	\$300.00
\$3.00	\$2.00	\$2,350.00
\$3.00	\$2.00	\$3,400.00
\$3.60	\$2.40	\$1,500.00
\$4.80	\$3.20	\$4,640.00
\$6.00	\$4.00	\$1,200.00
\$4.80	\$3.20	\$480.00
\$1.20	\$0.80	\$300.00
\$1.20	\$0.80	\$29,200.00
\$1.20	\$0.80	\$1,040.00
\$1.20	\$0.80	\$2,400.00
\$1.20	\$0.80	\$27,040.00
\$1.20	\$0.80	\$6,780.00
\$1.50	\$1.00	\$8,025.00
\$1.80	\$1.20	\$510.00
\$1.80	\$1.20	\$4,650.00
\$1.80	\$1.20	\$6,720.00
\$1.80	\$1.20	\$2,460.00
\$2.40	\$1.60	\$7,640.00
\$3.00	\$2.00	\$2,000.00
\$2.40	\$1.60	\$720.00
\$76.80	\$51.20	\$1,280.00
\$612.00	\$408.00	\$263,160.00
\$348.00	\$232.00	\$128,180.00
\$183.00	\$122.00	\$78,690.00
\$81.00	\$54.00	\$379,350.00
\$420.00	\$280.00	\$3,500.00
\$138.00	\$92.00	\$1,150.00
\$240.00	\$160.00	\$2,000.00
\$300.00	\$200.00	\$15,000.00
\$300.00	\$200.00	\$2,500.00
\$18.00	\$12.00	\$4,500.00
\$12.00	\$8.00	\$292,000.00
\$15.00	\$10.00	\$13,000.00
\$15.60	\$10.40	\$31,200.00
\$16.20	\$10.80	\$365,040.00
\$21.00	\$14.00	\$118,650.00

Ref Num	Item No.	Description
38	SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer
39	SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer
40	SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer
41	SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer
42	SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer
43	SS-4	48-inch, Heavy Sewer Cleaning, as Directed by the Engineer
44	SS-4	36" x 24" Oval, Heavy Sewer Cleaning, as Directed by the Engineer
45	SS-5	6-inch, Sewer Televising
46	SS-5	8-inch, Sewer Televising
47	SS-5	9-inch, Sewer Televising
48	SS-5	10-inch, Sewer Televising
49	SS-5	12-inch, Sewer Televising
50	SS-5	15-inch, Sewer Televising
51	SS-5	18-inch, Sewer Televising
52	SS-5	20-inch, Sewer Televising
53	SS-5	21-inch, Sewer Televising
54	SS-5	24-inch, Sewer Televising
55	SS-5	27-inch, Sewer Televising
56	SS-5	36-inch, Sewer Televising
57	SS-5	48-inch, Sewer Televising
58	SS-5	36" x 24" Oval, Sewer Televising
59	SS-7	Cementitious Grouting, as Directed by the Engineer
60	SS-10	Replace Manhole Frame and Cover
61	SS-10	Concrete Collar
62	SS-10	Flexible Chimney Seal
63	SS-10	Manhole Lining
64	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer
65	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer
66	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer
67	SS-11	Lateral Sewer Televised, as Directed by the Engineer
68	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer
69	SS-12	6-inch CIPP, 6.0 mm Min Thickness
70	SS-12	8-inch CIPP, 6.0 mm Min Thickness
71	SS-12	9-inch CIPP, 6.0 mm Min Thickness
72	SS-12	10-inch CIPP 6.0 mm Min Thickness
73	SS-12	12-inch CIPP, 6.0 mm Min Thickness
74	SS-12	15-inch CIPP 7.5 mm Min Thickness

2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

Price Of Materials	Price Of Labor	Extension
\$22.80	\$15.20	\$121,980.00
\$43.20	\$28.80	\$12,240.00
\$28.80	\$19.20	\$74,400.00
\$36.00	\$24.00	\$134,400.00
\$42.00	\$28.00	\$57,400.00
\$66.00	\$44.00	\$210,100.00
\$126.00	\$84.00	\$84,000.00
\$84.00	\$56.00	\$25,200.00
\$0.24	\$0.16	\$0.40
\$0.92	\$0.61	\$1.53
\$1.12	\$0.75	\$1.87
\$1.12	\$0.75	\$1.87
\$1.23	\$0.82	\$2.05
\$1.46	\$0.98	\$2.44
\$1.88	\$1.25	\$3.13
\$2.01	\$1.34	\$3.35
\$2.01	\$1.34	\$3.35
\$2.05	\$1.36	\$3.41
\$2.31	\$1.54	\$3.85
\$3.07	\$2.04	\$5.11
\$5.52	\$3.68	\$9.20
\$2.99	\$2.00	\$4.99
\$138.00	\$92.00	\$46,000.00
\$90.00	\$60.00	\$139,500.00
		\$3,173,811.55
\$3,000,000.00	\$0.00	\$3,000,000.00
		\$6,173,811.55
Bond Amount	10.0%	
Proposal Bond Amount Required		\$617,381.16

Ref Num	Item No.	Description
75	SS-12	18-inch CIPP 9.0 mm Min Thickness
76	SS-12	20-inch CIPP 10.5 mm Min Thickness
77	SS-12	21-inch CIPP, 10.5 mm Min Thickness
78	SS-12	24-inch CIPP 12.0 mm Min Thickness
79	SS-12	27-inch CIPP 13.5 mm Min Thickness
80	SS-12	36-inch CIPP 18.0 mm Min Thickness
81	SS-12	48-inch CIPP, 24.0 mm Min Thickness
82	SS-12	36" x 24" Oval CIPP, 15.0 mm Min Thickness
83	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (6" CIPP)
84	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)
85	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (9" CIPP)
86	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)
87	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)
88	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)
89	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)
90	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)
91	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)
92	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)
93	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)
94	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)
95	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (48" CIPP)
96	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" x 24" Oval CIPP)
97	SS-12	Air Test
98	SS-12	Lateral Sewer Reestablished
		SUBTOTAL
99	Spec	Force Account (Contingency)
		TOTAL

2016 Annual Lining Contract
CIP 650404-100043
Cost Estimate

Price Of Materials	Price Of Labor	Extension
	Contract Compliance No.	01-0684682
	Vendor #	000027
	Non-Collusion Affidavit Completed?	Yes
	Local Vendor? Y/N	No
	Addendum Acknowledgment Completed?	NA
	Prequalified	Yes
	Proposal Affidavit Completed?	Yes

Ref Num	Item No.	Description
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2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

	BID DATE: 07/26/2017		CIP: 650404-100043	
Materials)				
Quantity	Units	Price Of Materials	Price Of Labor	Extension
\$6.00	EA	\$4,400.00	\$6,600.00	\$66,000.00
\$1.00	LS	\$23,200.00	\$34,800.00	\$58,000.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$1.00	LS	\$0.40	\$0.60	\$1.00
\$150.00	LF	\$1.20	\$1.80	\$450.00
\$14,600.00	LF	\$1.00	\$1.50	\$36,500.00
\$520.00	LF	\$1.00	\$1.50	\$1,300.00
\$1,200.00	LF	\$1.00	\$1.50	\$3,000.00
\$13,520.00	LF	\$1.12	\$1.68	\$37,856.00
\$3,390.00	LF	\$1.20	\$1.80	\$10,170.00
\$3,210.00	LF	\$1.20	\$1.80	\$9,630.00
\$170.00	LF	\$1.40	\$2.10	\$595.00
\$1,550.00	LF	\$1.60	\$2.40	\$6,200.00
\$2,240.00	LF	\$1.90	\$2.85	\$10,640.00
\$820.00	LF	\$2.60	\$3.90	\$5,330.00
\$1,910.00	LF	\$3.90	\$5.85	\$18,622.50
\$400.00	LF	\$7.80	\$11.70	\$7,800.00
\$180.00	LF	\$3.80	\$5.70	\$1,710.00
\$50.00	LF	\$0.44	\$0.66	\$55.00
\$4,380.00	LF	\$0.44	\$0.66	\$4,818.00
\$160.00	LF	\$0.44	\$0.66	\$176.00
\$360.00	LF	\$0.44	\$0.66	\$396.00
\$4,060.00	LF	\$0.44	\$0.66	\$4,466.00
\$1,020.00	LF	\$0.64	\$0.96	\$1,632.00
\$970.00	LF	\$0.64	\$0.96	\$1,552.00

SAI	
FORM B3 - UNIT E	
Ref No.	Item No.
1	604
2	614
3	SS-3
4	SS-3
5	SS-3
6	SS-3
7	SS-3
8	SS-3
9	SS-3
10	SS-3
11	SS-3
12	SS-3
13	SS-3
14	SS-3
15	SS-3
16	SS-3
17	SS-4
18	SS-4
19	SS-4
20	SS-4
21	SS-4
22	SS-4
23	SS-4
24	SS-4
25	SS-4
26	SS-4
27	SS-4
28	SS-4
29	SS-4
30	SS-4
31	SS-4
32	SS-4
33	SS-4
34	SS-4
35	SS-4
36	SS-4
37	SS-4

2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

Quantity	Units	Price Of Materials	Price Of Labor	Extension
\$60.00	LF	\$1.04	\$1.56	\$156.00
\$470.00	LF	\$1.04	\$1.56	\$1,222.00
\$680.00	LF	\$1.28	\$1.92	\$2,176.00
\$250.00	LF	\$1.68	\$2.52	\$1,050.00
\$580.00	LF	\$4.20	\$6.30	\$6,090.00
\$120.00	LF	\$6.40	\$9.60	\$1,920.00
\$60.00	LF	\$4.20	\$6.30	\$630.00
\$150.00	LF	\$0.60	\$0.90	\$225.00
\$14,600.00	LF	\$0.48	\$0.72	\$17,520.00
\$520.00	LF	\$0.48	\$0.72	\$624.00
\$1,200.00	LF	\$0.52	\$0.78	\$1,560.00
\$13,520.00	LF	\$0.56	\$0.84	\$18,928.00
\$3,390.00	LF	\$0.60	\$0.90	\$5,085.00
\$3,210.00	LF	\$0.64	\$0.96	\$5,136.00
\$170.00	LF	\$0.72	\$1.08	\$306.00
\$1,550.00	LF	\$0.76	\$1.14	\$2,945.00
\$2,240.00	LF	\$1.00	\$1.50	\$5,600.00
\$820.00	LF	\$1.28	\$1.92	\$2,624.00
\$1,910.00	LF	\$1.92	\$2.88	\$9,168.00
\$400.00	LF	\$3.80	\$5.70	\$3,800.00
\$180.00	LF	\$1.92	\$2.88	\$864.00
\$10.00	CF	\$42.40	\$63.60	\$1,060.00
\$258.00	EA	\$374.40	\$561.60	\$241,488.00
\$221.00	EA	\$211.20	\$316.80	\$116,688.00
\$258.00	EA	\$114.00	\$171.00	\$73,530.00
\$2,810.00	VF	\$50.80	\$76.20	\$356,870.00
\$5.00	EA	\$253.60	\$380.40	\$3,170.00
\$5.00	EA	\$84.40	\$126.60	\$1,055.00
\$5.00	EA	\$148.00	\$222.00	\$1,850.00
\$30.00	EA	\$105.60	\$158.40	\$7,920.00
\$5.00	EA	\$126.80	\$190.20	\$1,585.00
\$150.00	LF	\$13.20	\$19.80	\$4,950.00
\$14,600.00	LF	\$8.90	\$13.35	\$324,850.00
\$520.00	LF	\$10.20	\$15.30	\$13,260.00
\$1,200.00	LF	\$12.00	\$18.00	\$36,000.00
\$13,520.00	LF	\$12.20	\$18.30	\$412,360.00
\$3,390.00	LF	\$17.60	\$26.40	\$149,160.00

Ref No.	Item No.
38	SS-4
39	SS-4
40	SS-4
41	SS-4
42	SS-4
43	SS-4
44	SS-4
45	SS-5
46	SS-5
47	SS-5
48	SS-5
49	SS-5
50	SS-5
51	SS-5
52	SS-5
53	SS-5
54	SS-5
55	SS-5
56	SS-5
57	SS-5
58	SS-5
59	SS-7
60	SS-10
61	SS-10
62	SS-10
63	SS-10
64	SS-10
65	SS-10
66	SS-10
67	SS-11
68	SS-11
69	SS-12
70	SS-12
71	SS-12
72	SS-12
73	SS-12
74	SS-12

2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

Quantity	Units	Price Of Materials	Price Of Labor	Extension
\$3,210.00	LF	\$18.80	\$28.20	\$150,870.00
\$170.00	LF	\$31.20	\$46.80	\$13,260.00
\$1,550.00	LF	\$32.40	\$48.60	\$125,550.00
\$2,240.00	LF	\$36.20	\$54.30	\$202,720.00
\$820.00	LF	\$48.40	\$72.60	\$99,220.00
\$1,910.00	LF	\$58.40	\$87.60	\$278,860.00
\$400.00	LF	\$90.80	\$136.20	\$90,800.00
\$180.00	LF	\$106.80	\$160.20	\$48,060.00
\$1.00	LF	\$1.68	\$2.52	\$4.20
\$1.00	LF	\$1.68	\$2.52	\$4.20
\$1.00	LF	\$1.68	\$2.52	\$4.20
\$1.00	LF	\$2.12	\$3.18	\$5.30
\$1.00	LF	\$2.12	\$3.18	\$5.30
\$1.00	LF	\$2.12	\$3.18	\$5.30
\$1.00	LF	\$2.12	\$3.18	\$5.30
\$1.00	LF	\$2.52	\$3.78	\$6.30
\$1.00	LF	\$2.52	\$3.78	\$6.30
\$1.00	LF	\$3.40	\$5.10	\$8.50
\$1.00	LF	\$3.40	\$5.10	\$8.50
\$1.00	LF	\$4.20	\$6.30	\$10.50
\$1.00	LF	\$4.20	\$6.30	\$10.50
\$1.00	LF	\$4.20	\$6.30	\$10.50
\$200.00	EA	\$0.40	\$0.60	\$200.00
\$930.00	EA	\$26.00	\$39.00	\$60,450.00
			\$3,190,422.40	
\$1.00	LS	\$3,000,000.00	\$0.00	\$3,000,000.00
			\$6,190,422.40	

Bond Amount	10.0%
Proposal Bond Amount Required	\$619,042.24

Ref No.	Item No.
75	SS-12
76	SS-12
77	SS-12
78	SS-12
79	SS-12
80	SS-12
81	SS-12
82	SS-12
83	SS-12
84	SS-12
85	SS-12
86	SS-12
87	SS-12
88	SS-12
89	SS-12
90	SS-12
91	SS-12
92	SS-12
93	SS-12
94	SS-12
95	SS-12
96	SS-12
97	SS-12
98	SS-12
99	Spec

2016 Annual Lining Contract**CIP 650404-100043****Cost Estimate**

Quantity	Units	Price Of Materials	Price Of Labor	Extension
			Contract Compliance No.	13-3032158
			Vendor #	000636
			Non- Collusion Affidavit Completed?	Yes
			Local Vendor? Y/N	No
			Addendum Acknowledg ement Completed?	NA
			Prequalified	Yes
			Proposal Affidavit Completed?	Yes

Ref No.	Item No.
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2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

K CONSTRUCTION, LLC		BID DATE: 07/26/2017	CIP: 650404-100043		
BID PRICE FORMS (Unit Price w/Labor & Materials)					
Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension
Manholes, in Pavement	\$6.00	EA	\$2,180.00	\$8,720.00	\$65,400.00
Maintaining Traffic	\$1.00	LS	\$0.00	\$38,500.00	\$38,500.00
6-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$50.00	\$50.00
8-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$1,700.00	\$1,700.00
9-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$200.00	\$200.00
10-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$1,850.00	\$1,850.00
12-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$700.00	\$700.00
15-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$2,850.00	\$2,850.00
18-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$3,750.00	\$3,750.00
20-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$200.00	\$200.00
21-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$1,800.00	\$1,800.00
24-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$3,625.00	\$3,625.00
27-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$1,400.00	\$1,400.00
36-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$5,620.00	\$5,620.00
48-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$5,620.00	\$5,620.00
36" x 24" Oval, Bypass Pumping	\$1.00	LS	\$0.00	\$1,400.00	\$1,400.00
6-inch, Sewer Cleaning	\$150.00	LF	\$0.00	\$3.50	\$525.00
8-inch, Sewer Cleaning	\$14,600.00	LF	\$0.00	\$4.15	\$60,590.00
9-inch, Sewer Cleaning	\$520.00	LF	\$0.00	\$4.15	\$2,158.00
10-inch, Sewer Cleaning	\$1,200.00	LF	\$0.00	\$4.15	\$4,980.00
12-inch, Sewer Cleaning	\$13,520.00	LF	\$0.00	\$4.15	\$56,108.00
15-inch, Sewer Cleaning	\$3,390.00	LF	\$0.00	\$4.70	\$15,933.00
18-inch, Sewer Cleaning	\$3,210.00	LF	\$0.00	\$4.70	\$15,087.00
20-inch, Sewer Cleaning	\$170.00	LF	\$0.00	\$4.70	\$799.00
21-inch, Sewer Cleaning	\$1,550.00	LF	\$0.00	\$4.70	\$7,285.00
24-inch, Sewer Cleaning	\$2,240.00	LF	\$0.00	\$7.00	\$15,680.00
27-inch, Sewer Cleaning	\$820.00	LF	\$0.00	\$7.00	\$5,740.00
36-inch, Sewer Cleaning	\$1,910.00	LF	\$0.00	\$7.00	\$13,370.00
48-inch, Sewer Cleaning	\$400.00	LF	\$0.00	\$9.25	\$3,700.00
36" x 24" Oval, Sewer Cleaning	\$180.00	LF	\$0.00	\$9.00	\$1,620.00
6-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$50.00	LF	\$0.00	\$2.25	\$112.50
8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$4,380.00	LF	\$0.00	\$2.25	\$9,855.00
9-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$160.00	LF	\$0.00	\$2.25	\$360.00
10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$360.00	LF	\$0.00	\$2.25	\$810.00
12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$4,060.00	LF	\$0.00	\$2.25	\$9,135.00
15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,020.00	LF	\$0.00	\$3.35	\$3,417.00
18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$970.00	LF	\$0.00	\$3.35	\$3,249.50

2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension
20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	\$0.00	\$3.35	\$201.00
21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00	LF	\$0.00	\$4.50	\$2,115.00
24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$680.00	LF	\$0.00	\$4.50	\$3,060.00
27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$250.00	LF	\$0.00	\$4.50	\$1,125.00
30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$580.00	LF	\$0.00	\$4.50	\$2,610.00
48-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$120.00	LF	\$0.00	\$4.50	\$540.00
36" x 24" Oval, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	\$0.00	\$4.50	\$270.00
6-inch, Sewer Televising	\$150.00	LF	\$0.00	\$1.75	\$262.50
8-inch, Sewer Televising	\$14,600.00	LF	\$0.00	\$1.75	\$25,550.00
9-inch, Sewer Televising	\$520.00	LF	\$0.00	\$1.75	\$910.00
10-inch, Sewer Televising	\$1,200.00	LF	\$0.00	\$2.35	\$2,820.00
12-inch, Sewer Televising	\$13,520.00	LF	\$0.00	\$2.35	\$31,772.00
15-inch, Sewer Televising	\$3,390.00	LF	\$0.00	\$2.35	\$7,966.50
18-inch, Sewer Televising	\$3,210.00	LF	\$0.00	\$2.35	\$7,543.50
20-inch, Sewer Televising	\$170.00	LF	\$0.00	\$2.35	\$399.50
21-inch, Sewer Televising	\$1,550.00	LF	\$0.00	\$2.35	\$3,642.50
24-inch, Sewer Televising	\$2,240.00	LF	\$0.00	\$2.35	\$5,264.00
27-inch, Sewer Televising	\$820.00	LF	\$0.00	\$2.35	\$1,927.00
36-inch, Sewer Televising	\$1,910.00	LF	\$0.00	\$2.35	\$4,488.50
48-inch, Sewer Televising	\$400.00	LF	\$0.00	\$2.35	\$940.00
36" x 24" Oval, Sewer Televising	\$180.00	LF	\$0.00	\$2.35	\$423.00
Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	\$21.00	\$84.00	\$1,050.00
Replace Manhole Frame and Cover	\$258.00	EA	\$180.00	\$720.00	\$232,200.00
Concrete Collar	\$221.00	EA	\$102.00	\$408.00	\$112,710.00
Flexible Chimney Seal	\$258.00	EA	\$56.00	\$224.00	\$72,240.00
Manhole Lining	\$2,810.00	VF	\$25.00	\$100.00	\$351,250.00
Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	\$126.00	\$504.00	\$3,150.00
Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$42.00	\$168.00	\$1,050.00
Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$73.60	\$294.40	\$1,840.00
Lateral Sewer Televised, as Directed by the Engineer	\$30.00	EA	\$73.60	\$294.40	\$11,040.00
Lateral Sewer Dye Tested, as Directed by the Engineer	\$5.00	EA	\$52.60	\$210.40	\$1,315.00
6-inch CIPP, 6.0 mm Min Thickness	\$150.00	LF	\$9.70	\$38.80	\$7,275.00
8-inch CIPP, 6.0 mm Min Thickness	\$14,600.00	LF	\$4.75	\$19.00	\$346,750.00
9-inch CIPP, 6.0 mm Min Thickness	\$520.00	LF	\$5.00	\$20.00	\$13,000.00
10-inch CIPP 6.0 mm Min Thickness	\$1,200.00	LF	\$5.05	\$20.20	\$30,300.00
12-inch CIPP, 6.0 mm Min Thickness	\$13,520.00	LF	\$6.20	\$24.80	\$419,120.00
15-inch CIPP 7.5 mm Min Thickness	\$3,390.00	LF	\$9.80	\$39.20	\$166,110.00

2016 Annual Lining Contract

CIP 650404-100043

Cost Estimate

Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension
18-inch CIPP 9.0 mm Min Thickness	\$3,210.00	LF	\$13.00	\$52.00	\$208,650.00
20-inch CIPP 10.5 mm Min Thickness	\$170.00	LF	\$13.40	\$53.60	\$11,390.00
21-inch CIPP, 10.5 mm Min Thickness	\$1,550.00	LF	\$13.80	\$55.20	\$106,950.00
24-inch CIPP 12.0 mm Min Thickness	\$2,240.00	LF	\$18.00	\$72.00	\$201,600.00
27-inch CIPP 13.5 mm Min Thickness	\$820.00	LF	\$19.60	\$78.40	\$80,360.00
36-inch CIPP 18.0 mm Min Thickness	\$1,910.00	LF	\$37.00	\$148.00	\$353,350.00
48-inch CIPP, 24.0 mm Min Thickness	\$400.00	LF	\$63.00	\$252.00	\$126,000.00
36" x 24" Oval CIPP, 15.0 mm Min Thickness	\$180.00	LF	\$39.00	\$156.00	\$35,100.00
1.5 mm Incremental Wall Thickness Increase or Decrease (6" CIPP)	\$1.00	LF	\$0.00	\$2.00	\$2.00
1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	\$0.00	\$2.20	\$2.20
1.5 mm Incremental Wall Thickness Increase or Decrease (9" CIPP)	\$1.00	LF	\$0.00	\$2.30	\$2.30
1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	\$0.00	\$2.40	\$2.40
1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	\$0.00	\$2.50	\$2.50
1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	\$0.00	\$3.00	\$3.00
1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	\$1.00	LF	\$0.00	\$5.30	\$5.30
1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	\$1.00	LF	\$0.00	\$6.00	\$6.00
1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	\$1.00	LF	\$0.00	\$6.20	\$6.20
1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	\$1.00	LF	\$0.00	\$6.80	\$6.80
1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	\$1.00	LF	\$0.00	\$7.50	\$7.50
1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	\$1.00	LF	\$0.00	\$9.00	\$9.00
1.5 mm Incremental Wall Thickness Increase or Decrease (48" CIPP)	\$1.00	LF	\$0.00	\$11.00	\$11.00
1.5 mm Incremental Wall Thickness Increase or Decrease (36" x 24" Oval CIPP)	\$1.00	LF	\$0.00	\$12.00	\$12.00
Air Test	\$200.00	EA	\$0.00	\$125.00	\$25,000.00
Lateral Sewer Reestablished	\$930.00	EA	\$0.00	\$0.01	\$9.30
SUBTOTAL					\$3,387,896.50
Force Account (Contingency)	\$1.00	LS	\$3,000,000.00	\$0.00	\$3,000,000.00
TOTAL					\$6,387,896.50
				Bond Amount	10.0%
				Proposal Bond Amount Required	\$638,789.65

2016 Annual Lining Contract**CIP 650404-100043****Cost Estimate**

Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension
				Contract Compliance No.	20-4193988
				Vendor #	001326
				Non- Collusion Affidavit Completed?	Yes
				Local Vendor? Y/N	No
				Addendum Acknowledg ement Completed?	NA
				Prequalified	Yes
				Proposal Affidavit Completed?	Yes