

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

Bid Date: 10/11/17		Blueprint West Franklinton: Lining Project		CIP 650875-100005	PM: Mike Griffith	
Order Number	Ref. No.	Item No.	Description	Estimated Quantities	Units	Unit Cost
1		604	Manholes, in Pavement	6	EA	\$9,000.00
2		604	Manholes, in Grass	7	EA	\$8,000.00
3		614	Maintaining Traffic Allowance, As Directed By The Engineer	1	LS	\$150,000.00
4		SS-3	8-inch, Bypass Pumping	1	LS	\$10,000.00
5		SS-3	10-inch, Bypass Pumping	1	LS	\$1,000.00
6		SS-3	12-inch, Bypass Pumping	1	LS	\$10,000.00
7		SS-3	15-inch, Bypass Pumping	1	LS	\$2,000.00
8		SS-3	18-inch, Bypass Pumping	1	LS	\$3,000.00
9		SS-3	20-inch, Bypass Pumping	1	LS	\$1,000.00
10		SS-3	21-inch, Bypass Pumping	1	LS	\$8,000.00
11		SS-3	24-inch, Bypass Pumping	1	LS	\$12,000.00
12		SS-3	27-inch, Bypass Pumping	1	LS	\$4,000.00
13		SS-3	30-inch, Bypass Pumping	1	LS	\$50,000.00
14		SS-3	36-inch, Bypass Pumping	1	LS	\$50,000.00
15		SS-4	8-inch, Sewer Cleaning	65,410	LF	\$3.00
16		SS-4	10-inch, Sewer Cleaning	4,640	LF	\$3.00
17		SS-4	12-inch, Sewer Cleaning	1,560	LF	\$3.00
18		SS-4	15-inch, Sewer Cleaning	2,960	LF	\$3.00
19		SS-4	18-inch, Sewer Cleaning	1,440	LF	\$3.50
20		SS-4	20-inch, Sewer Cleaning	1,230	LF	\$3.50
21		SS-4	21-inch, Sewer Cleaning	190	LF	\$3.50
22		SS-4	24-inch, Sewer Cleaning	3,560	LF	\$3.80
23		SS-4	27-inch, Sewer Cleaning	3,470	LF	\$5.00
24		SS-4	30-inch, Sewer Cleaning	2,740	LF	\$6.00
25		SS-4	36-inch, Sewer Cleaning	2,980	LF	\$6.00
26		SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	19,630	LF	\$1.20
27		SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	1,400	LF	\$1.20
28		SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	470	LF	\$1.20
29		SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	890	LF	\$1.20
30		SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	430	LF	\$1.50
31		SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	370	LF	\$1.50
32		SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	60	LF	\$1.50
33		SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	1,070	LF	\$1.50
34		SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	1,050	LF	\$2.50
35		SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	820	LF	\$2.50

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Order Number	Ref. No.	Item No.	Description	Estimated Quantities	Units	Unit Cost
36		SS-4	36-inch, Heavy Sewer Cleaning, as Directed by the Engineer	890	LF	\$2.50
37		SS-5	8-inch, Sewer Televising	65,410	LF	\$1.50
38		SS-5	10-inch, Sewer Televising	4,640	LF	\$1.50
39		SS-5	12-inch, Sewer Televising	1,560	LF	\$1.50
40		SS-5	15-inch, Sewer Televising	2,960	LF	\$1.50
41		SS-5	18-inch, Sewer Televising	1,440	LF	\$2.00
42		SS-5	20-inch, Sewer Televising	1,230	LF	\$2.00
43		SS-5	21-inch, Sewer Televising	190	LF	\$2.00
44		SS-5	24-inch, Sewer Televising	3,560	LF	\$2.00
45		SS-5	27-inch, Sewer Televising	3,470	LF	\$2.50
46		SS-5	30-inch, Sewer Televising	2,740	LF	\$2.50
47		SS-5	36-inch, Sewer Televising	2,980	LF	\$2.50
48		SS-7	Cementitious Grouting, as Directed by the Engineer	10	CF	\$200.00
49		SS-10	Replace Manhole Frame and Cover	503	EA	\$1,000.00
50		SS-10	Concrete Collar	474	EA	\$400.00
51		SS-10	Flexible Chimney Seal	503	EA	\$300.00
52		SS-10	Manhole Lining	4,580	VF	\$130.00
53		SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	5	EA	\$700.00
54		SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	5	EA	\$300.00
55		SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	5	EA	\$700.00
56		SS-11	Lateral Sewer Televised, as Directed by the Engineer	100	EA	\$500.00
57		SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	100	EA	\$300.00
58		SS-12	8-inch CIPP, 6.0 mm Min Thickness	65,410	LF	\$26.00
59		SS-12	10-inch CIPP 6.0 mm Min Thickness	4,640	LF	\$30.00
60		SS-12	12-inch CIPP, 6.0 mm Min Thickness	1,560	LF	\$33.00
61		SS-12	15-inch CIPP 7.5 mm Min Thickness	2,960	LF	\$42.00
62		SS-12	18-inch CIPP 9.0 mm Min Thickness	1,440	LF	\$52.00
63		SS-12	20-inch CIPP 10.5 mm Min Thickness	1,230	LF	\$70.00
64		SS-12	21-inch CIPP, 10.5 mm Min Thickness	190	LF	\$70.00
65		SS-12	24-inch CIPP 12.0 mm Min Thickness	3,560	LF	\$85.00
66		SS-12	27-inch CIPP 13.5 mm Min Thickness	3,470	LF	\$105.00
67		SS-12	30-inch CIPP 15.0 mm Min Thickness	2,740	LF	\$125.00
68		SS-12	36-inch CIPP 18.0 mm Min Thickness	2,980	LF	\$165.00
69		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	1	LF	\$2.00
70		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	1	LF	\$3.00
71		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	1	LF	\$4.00
72		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	1	LF	\$5.00

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**Cost Estimate**

<b>Order Number</b>	<b>Ref. No.</b>	<b>Item No.</b>	<b>Description</b>	<b>Estimated Quantities</b>	<b>Units</b>	<b>Unit Cost</b>
73		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	1	LF	\$6.00
74		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	1	LF	\$6.00
75		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	1	LF	\$6.00
76		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	1	LF	\$7.00
77		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	1	LF	\$8.00
78		SS-11	1.5 mm Incremental Wall Thickness Increase or Decrease (30" CIPP)	0	LF	
79		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	1	LF	\$10.00
80		SS-12	Air Test	270	EA	\$250.00
81		SS-12	Lateral Sewer Reestablished	2,350	EA	\$80.00
			<b>SUBTOTAL</b>			
82		Spec	<b>Force Account (.20 x Sum of Items 1 through 81)</b>	1	LS	
			<b>TOTAL</b>			

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 SUM PRICES SHALL GOVERN.

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**Cost Estimate**

<b>INSITUFORM - FORM B3 - BID PRICE AND AMOUNT (Unit Price w</b>							
<b>Total</b>	<b>Ref No</b>	<b>Item Number</b>	<b>Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Alternate</b>	<b>Optional</b>
\$54,000.00	1	604	Manholes, in Pavement	\$6.00	EA	no	no
\$56,000.00	2	604	Manholes, in Grass	\$7.00	EA	no	no
\$150,000.00	3	614	Maintaining Traffic	\$1.00	LS	no	no
\$10,000.00	4	SS-3	8-inch, Bypass Pumping	\$1.00	LS	no	no
\$1,000.00	5	SS-3	10-inch, Bypass Pumping	\$1.00	LS	no	no
\$10,000.00	6	SS-3	12-inch, Bypass Pumping	\$1.00	LS	no	no
\$2,000.00	7	SS-3	15-inch, Bypass Pumping	\$1.00	LS	no	no
\$3,000.00	8	SS-3	18-inch, Bypass Pumping	\$1.00	LS	no	no
\$1,000.00	9	SS-3	20-inch, Bypass Pumping	\$1.00	LS	no	no
\$8,000.00	10	SS-3	21-inch, Bypass Pumping	\$1.00	LS	no	no
\$12,000.00	11	SS-3	24-inch, Bypass Pumping	\$1.00	LS	no	no
\$4,000.00	12	SS-3	27-inch, Bypass Pumping	\$1.00	LS	no	no
\$50,000.00	13	SS-3	30-inch, Bypass Pumping	\$1.00	LS	no	no
\$50,000.00	14	SS-3	36-inch, Bypass Pumping	\$1.00	LS	no	no
\$196,230.00	15	SS-4	8-inch, Sewer Cleaning	\$65,410.00	LF	no	no
\$13,920.00	16	SS-4	10-inch, Sewer Cleaning	\$4,640.00	LF	no	no
\$4,680.00	17	SS-4	12-inch, Sewer Cleaning	\$1,560.00	LF	no	no
\$8,880.00	18	SS-4	15-inch, Sewer Cleaning	\$2,960.00	LF	no	no
\$5,040.00	19	SS-4	18-inch, Sewer Cleaning	\$1,440.00	LF	no	no
\$4,305.00	20	SS-4	20-inch, Sewer Cleaning	\$1,230.00	LF	no	no
\$665.00	21	SS-4	21-inch, Sewer Cleaning	\$190.00	LF	no	no
\$13,528.00	22	SS-4	24-inch, Sewer Cleaning	\$3,560.00	LF	no	no
\$17,350.00	23	SS-4	27-inch, Sewer Cleaning	\$3,470.00	LF	no	no
\$16,440.00	24	SS-4	30-inch, Sewer Cleaning	\$2,740.00	LF	no	no
\$17,880.00	25	SS-4	36-inch, Sewer Cleaning	\$2,980.00	LF	no	no
\$23,556.00	26	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$19,630.00	LF	no	no
\$1,680.00	27	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,400.00	LF	no	no
\$564.00	28	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00	LF	no	no
\$1,068.00	29	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00	LF	no	no
\$645.00	30	SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$430.00	LF	no	no
\$555.00	31	SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$370.00	LF	no	no
\$90.00	32	SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	no	no
\$1,605.00	33	SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,070.00	LF	no	no
\$2,625.00	34	SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,050.00	LF	no	no
\$2,050.00	35	SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$820.00	LF	no	no

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### Cost Estimate

Total	Ref No	Item Number	Description	Quantity	Units	Alternate	Optional
\$2,225.00	36	SS-4	36-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00	LF	no	no
\$98,115.00	37	SS-5	8-inch, Sewer Televising	\$65,410.00	LF	no	no
\$6,960.00	38	SS-5	10-inch, Sewer Televising	\$4,640.00	LF	no	no
\$2,340.00	39	SS-5	12-inch, Sewer Televising	\$1,560.00	LF	no	no
\$4,440.00	40	SS-5	15-inch, Sewer Televising	\$2,960.00	LF	no	no
\$2,880.00	41	SS-5	18-inch, Sewer Televising	\$1,440.00	LF	no	no
\$2,460.00	42	SS-5	20-inch, Sewer Televising	\$1,230.00	LF	no	no
\$380.00	43	SS-5	21-inch, Sewer Televising	\$190.00	LF	no	no
\$7,120.00	44	SS-5	24-inch, Sewer Televising	\$3,560.00	LF	no	no
\$8,675.00	45	SS-5	27-inch, Sewer Televising	\$3,470.00	LF	no	no
\$6,850.00	46	SS-5	30-inch, Sewer Televising	\$2,740.00	LF	no	no
\$7,450.00	47	SS-5	36-inch, Sewer Televising	\$2,980.00	LF	no	no
\$2,000.00	48	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	no	no
\$503,000.00	49	SS-10	Replace Manhole Frame and Cover	\$503.00	EA	no	no
\$189,600.00	50	SS-10	Concrete Collar	\$474.00	EA	no	no
\$150,900.00	51	SS-10	Flexible Chimney Seal	\$503.00	EA	no	no
\$595,400.00	52	SS-10	Manhole Lining	\$4,580.00	VF	no	no
\$3,500.00	53	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	no	no
\$1,500.00	54	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	no	no
\$3,500.00	55	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	no	no
\$50,000.00	56	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$100.00	EA	no	no
\$30,000.00	57	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$100.00	EA	no	no
\$1,700,660.00	58	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$65,410.00	LF	no	no
\$139,200.00	59	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$4,640.00	LF	no	no
\$51,480.00	60	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$1,560.00	LF	no	no
\$124,320.00	61	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$2,960.00	LF	no	no
\$74,880.00	62	SS-12	18-inch CIPP 9.0 mm Min Thickness	\$1,440.00	LF	no	no
\$86,100.00	63	SS-12	20-inch CIPP 10.5 mm Min Thickness	\$1,230.00	LF	no	no
\$13,300.00	64	SS-12	21-inch CIPP, 10.5 mm Min Thickness	\$190.00	LF	no	no
\$302,600.00	65	SS-12	24-inch CIPP 12.0 mm Min Thickness	\$3,560.00	LF	no	no
\$364,350.00	66	SS-12	27-inch CIPP 13.5 mm Min Thickness	\$3,470.00	LF	no	no
\$342,500.00	67	SS-12	30-inch CIPP 15.0 mm Min Thickness	\$2,740.00	LF	no	no
\$491,700.00	68	SS-12	36-inch CIPP 18.0 mm Min Thickness	\$2,980.00	LF	no	no
\$2.00	69	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	no	no
\$3.00	70	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	no	no
\$4.00	71	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	no	no
\$5.00	72	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	no	no

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### Cost Estimate

Total	Ref No	Item Number	Description	Quantity	Units	Alternate	Optional
\$6.00	73	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	\$1.00	LF	no	no
\$6.00	74	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	\$1.00	LF	no	no
\$6.00	75	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	\$1.00	LF	no	no
\$7.00	76	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	\$1.00	LF	no	no
\$8.00	77	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	\$1.00	LF	no	no
\$0.00	78	SS-11	1.5 mm Incremental Wall Thickness Increase or Decrease (30" CIPP)	\$0.00	LF	no	no
\$10.00	79	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	\$1.00	LF	no	no
\$67,500.00	80	SS-12	Air Test	\$270.00	EA	no	no
\$188,000.00	81	SS-12	Lateral Sewer Reestablished	\$2,350.00	EA	no	no
\$6,370,298.00	82	Spec	<b>SUBTOTAL</b>				
\$1,274,059.60			<b>Force Account (.20 x Sum of Items 1 through 81)</b>				
<b>\$7,644,357.60</b>			<b>TOTAL</b>				

NOTES:
1.) Insituform Technologies LLC was the apparent low bidder
2.) Lanzo Trenchless Technologies was deemed non-responsive. They were not Prequalified, nor did they have a City of Columbus Contract Compliance number.

**Blueprint West Franklinton: Lining Project**

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**Cost Estimate**

//Labor & Materials)			
Fixed Price	Price Of Materials	Price Of Labor	Extension
no	\$6,288.00	\$4,192.00	\$62,880.00
no	\$5,709.00	\$3,806.00	\$66,605.00
	\$0.00	\$150,000.00	\$150,000.00
no			
no	\$0.60	\$0.40	\$1.00
no	\$0.60	\$0.40	\$1.00
no	\$0.60	\$0.40	\$1.00
no	\$0.60	\$0.40	\$1.00
no	\$2,091.00	\$1,394.00	\$3,485.00
no	\$1,587.00	\$1,058.00	\$2,645.00
no	\$279.00	\$186.00	\$465.00
no	\$5,265.00	\$3,510.00	\$8,775.00
no	\$5,148.00	\$3,432.00	\$8,580.00
no	\$4,074.00	\$2,716.00	\$6,790.00
no	\$4,764.00	\$3,176.00	\$7,940.00
no	\$1.50	\$1.00	\$163,525.00
no	\$1.50	\$1.00	\$11,600.00
no	\$1.50	\$1.00	\$3,900.00
no	\$1.62	\$1.08	\$7,992.00
no	\$1.92	\$1.28	\$4,608.00
no	\$1.92	\$1.28	\$3,936.00
no	\$1.92	\$1.28	\$608.00
no	\$2.10	\$1.40	\$12,460.00
no	\$2.10	\$1.40	\$12,145.00
no	\$2.58	\$1.72	\$11,782.00
no	\$2.88	\$1.92	\$14,304.00
	\$0.18	\$0.12	\$5,889.00
no			
no	\$0.18	\$0.12	\$420.00
no	\$0.18	\$0.12	\$141.00
no	\$0.66	\$0.44	\$979.00
no	\$0.96	\$0.64	\$688.00
no	\$1.14	\$0.76	\$703.00
no	\$1.14	\$0.76	\$114.00
no	\$1.26	\$0.84	\$2,247.00
no	\$1.26	\$0.84	\$2,205.00
no	\$2.22	\$1.48	\$3,034.00

LAYNE INLINER - FORM B3 - BID P			
Ref No	Item Number	Description	Quantity
1	604	Manholes, in Pavement	\$6.00
2	604	Manholes, in Grass	\$7.00
			\$1.00
3	614	Maintaining Traffic	
4	SS-3	8-inch, Bypass Pumping	\$1.00
5	SS-3	10-inch, Bypass Pumping	\$1.00
6	SS-3	12-inch, Bypass Pumping	\$1.00
7	SS-3	15-inch, Bypass Pumping	\$1.00
8	SS-3	18-inch, Bypass Pumping	\$1.00
9	SS-3	20-inch, Bypass Pumping	\$1.00
10	SS-3	21-inch, Bypass Pumping	\$1.00
11	SS-3	24-inch, Bypass Pumping	\$1.00
12	SS-3	27-inch, Bypass Pumping	\$1.00
13	SS-3	30-inch, Bypass Pumping	\$1.00
14	SS-3	36-inch, Bypass Pumping	\$1.00
15	SS-4	8-inch, Sewer Cleaning	\$65,410.00
16	SS-4	10-inch, Sewer Cleaning	\$4,640.00
17	SS-4	12-inch, Sewer Cleaning	\$1,560.00
18	SS-4	15-inch, Sewer Cleaning	\$2,960.00
19	SS-4	18-inch, Sewer Cleaning	\$1,440.00
20	SS-4	20-inch, Sewer Cleaning	\$1,230.00
21	SS-4	21-inch, Sewer Cleaning	\$190.00
22	SS-4	24-inch, Sewer Cleaning	\$3,560.00
23	SS-4	27-inch, Sewer Cleaning	\$3,470.00
24	SS-4	30-inch, Sewer Cleaning	\$2,740.00
25	SS-4	36-inch, Sewer Cleaning	\$2,980.00
		8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$19,630.00
26	SS-4		
		10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,400.00
27	SS-4		
		12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00
28	SS-4		
		15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00
29	SS-4		
		18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$430.00
30	SS-4		
		20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$370.00
31	SS-4		
		21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00
32	SS-4		
		24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,070.00
33	SS-4		
		27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,050.00
34	SS-4		
		30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$820.00
35	SS-4		

## Blueprint West Franklinton: Lining Project

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### Cost Estimate

Fixed Price	Price Of Materials	Price Of Labor	Extension
no	\$2.22	\$1.48	\$3,293.00
no	\$0.66	\$0.44	\$71,951.00
no	\$0.66	\$0.44	\$5,104.00
no	\$0.66	\$0.44	\$1,716.00
no	\$0.66	\$0.44	\$3,256.00
no	\$0.78	\$0.52	\$1,872.00
no	\$0.78	\$0.52	\$1,599.00
no	\$0.78	\$0.52	\$247.00
no	\$0.78	\$0.52	\$4,628.00
no	\$0.78	\$0.52	\$4,511.00
no	\$0.96	\$0.64	\$4,384.00
no	\$0.96	\$0.64	\$4,768.00
no	\$32.40	\$21.60	\$540.00
no	\$570.60	\$380.40	\$478,353.00
no	\$189.00	\$126.00	\$149,310.00
no	\$176.40	\$117.60	\$147,882.00
no	\$74.10	\$49.40	\$565,630.00
no	\$320.40	\$213.60	\$2,670.00
no	\$480.00	\$320.00	\$4,000.00
no	\$738.00	\$492.00	\$6,150.00
no	\$159.00	\$106.00	\$26,500.00
no	\$159.00	\$106.00	\$26,500.00
no	\$12.06	\$8.04	\$1,314,741.00
no	\$15.30	\$10.20	\$118,320.00
no	\$15.90	\$10.60	\$41,340.00
no	\$22.20	\$14.80	\$109,520.00
no	\$43.80	\$29.20	\$105,120.00
no	\$45.00	\$30.00	\$92,250.00
no	\$45.60	\$30.40	\$14,440.00
no	\$42.00	\$28.00	\$249,200.00
no	\$46.80	\$31.20	\$270,660.00
no	\$51.00	\$34.00	\$232,900.00
no	\$75.00	\$50.00	\$372,500.00
no	\$0.72	\$0.48	\$1.20
no	\$0.78	\$0.52	\$1.30
no	\$0.90	\$0.60	\$1.50
no	\$1.02	\$0.68	\$1.70

Ref No	Item Number	Description	Quantity
36	SS-4	36-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00
37	SS-5	8-inch, Sewer Televising	\$65,410.00
38	SS-5	10-inch, Sewer Televising	\$4,640.00
39	SS-5	12-inch, Sewer Televising	\$1,560.00
40	SS-5	15-inch, Sewer Televising	\$2,960.00
41	SS-5	18-inch, Sewer Televising	\$1,440.00
42	SS-5	20-inch, Sewer Televising	\$1,230.00
43	SS-5	21-inch, Sewer Televising	\$190.00
44	SS-5	24-inch, Sewer Televising	\$3,560.00
45	SS-5	27-inch, Sewer Televising	\$3,470.00
46	SS-5	30-inch, Sewer Televising	\$2,740.00
47	SS-5	36-inch, Sewer Televising	\$2,980.00
48	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00
49	SS-10	Replace Manhole Frame and Cover	\$503.00
50	SS-10	Concrete Collar	\$474.00
51	SS-10	Flexible Chimney Seal	\$503.00
52	SS-10	Manhole Lining	\$4,580.00
53	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00
54	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00
55	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00
56	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$100.00
57	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$100.00
58	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$65,410.00
59	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$4,640.00
60	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$1,560.00
61	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$2,960.00
62	SS-12	18-inch CIPP 9.0 mm Min Thickness	\$1,440.00
63	SS-12	20-inch CIPP 10.5 mm Min Thickness	\$1,230.00
64	SS-12	21-inch CIPP, 10.5 mm Min Thickness	\$190.00
65	SS-12	24-inch CIPP 12.0 mm Min Thickness	\$3,560.00
66	SS-12	27-inch CIPP 13.5 mm Min Thickness	\$3,470.00
67	SS-12	30-inch CIPP 15.0 mm Min Thickness	\$2,740.00
68	SS-12	36-inch CIPP 18.0 mm Min Thickness	\$2,980.00
69	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00
70	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00
71	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00
72	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00



## Blueprint West Franklinton: Lining Project

CIP 650875-100005

### Cost Estimate

Fixed Price	Price Of Materials	Price Of Labor	Extension
no	\$1.98	\$1.32	\$3.30
no	\$1.14	\$0.76	\$1.90
no	\$1.20	\$0.80	\$2.00
no	\$1.74	\$1.16	\$2.90
no	\$2.10	\$1.40	\$3.50
no	\$2.40	\$1.60	\$0.00
no	\$2.70	\$1.80	\$4.50
no	\$30.00	\$20.00	\$13,500.00
no	\$27.00	\$18.00	\$105,750.00
			\$5,136,577.80
			\$1,027,315.56
		<b>Total:</b>	<b>\$6,163,893.36</b>

Ref No	Item Number	Description	Quantity
73	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	\$1.00
74	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	\$1.00
75	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	\$1.00
76	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	\$1.00
77	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	\$1.00
78	SS-11	1.5 mm Incremental Wall Thickness Increase or Decrease (30" CIPP)	\$0.00
79	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	\$1.00
80	SS-12	Air Test	\$270.00
81	SS-12	Lateral Sewer Reestablished	\$2,350.00
82	Spec	<b>SUBTOTAL</b>	
		<b>Force Account (.20 x Sum of Items 1 through 81)</b>	
		<b>TOTAL</b>	

Bond Amount	10.0%
Proposal Bond Amount Required	\$616,389.34
Contract Compliance No.	13-3032158
Vendor #	000636
Non-Collusion Affidavit Completed?	Yes
Local Vendor? Y/N	No
Addendum Acknowledgement Completed?	Yes
Prequalified	Yes
Proposal Affidavit Completed?	Yes

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

**RICE AND AMOUNT (Unit Price w/Labor & Materials)**

Units	Alternate	Optional	Fixed Price	Price Of Materials	Price Of Labor	Extension
EA	no	no	no	\$4,096.80	\$6,145.20	\$61,452.00
EA	no	no	no	\$3,642.00	\$5,463.00	\$63,735.00
				\$0.00	\$150,000.00	\$150,000.00
LS	no	no	no			
LS	no	no	no	\$13,600.00	\$20,400.00	\$34,000.00
LS	no	no	no	\$800.00	\$1,200.00	\$2,000.00
LS	no	no	no	\$480.00	\$720.00	\$1,200.00
LS	no	no	no	\$1,600.00	\$2,400.00	\$4,000.00
LS	no	no	no	\$1,280.00	\$1,920.00	\$3,200.00
LS	no	no	no	\$1,440.00	\$2,160.00	\$3,600.00
LS	no	no	no	\$320.00	\$480.00	\$800.00
LS	no	no	no	\$2,880.00	\$4,320.00	\$7,200.00
LS	no	no	no	\$4,400.00	\$6,600.00	\$11,000.00
LS	no	no	no	\$7,200.00	\$10,800.00	\$18,000.00
LS	no	no	no	\$9,600.00	\$14,400.00	\$24,000.00
LF	no	no	no	\$1.20	\$1.80	\$196,230.00
LF	no	no	no	\$1.20	\$1.80	\$13,920.00
LF	no	no	no	\$1.20	\$1.80	\$4,680.00
LF	no	no	no	\$1.60	\$2.40	\$11,840.00
LF	no	no	no	\$1.60	\$2.40	\$5,760.00
LF	no	no	no	\$2.00	\$3.00	\$6,150.00
LF	no	no	no	\$2.00	\$3.00	\$950.00
LF	no	no	no	\$2.40	\$3.60	\$21,360.00
LF	no	no	no	\$2.80	\$4.20	\$24,290.00
LF	no	no	no	\$3.20	\$4.80	\$21,920.00
LF	no	no	no	\$3.60	\$5.40	\$26,820.00
				\$0.80	\$1.20	\$39,260.00
LF	no	no	no			
				\$0.80	\$1.20	\$2,800.00
LF	no	no	no			
				\$0.80	\$1.20	\$940.00
LF	no	no	no			
				\$1.20	\$1.80	\$2,670.00
LF	no	no	no			
				\$1.60	\$2.40	\$1,720.00
LF	no	no	no			
				\$1.60	\$2.40	\$1,480.00
LF	no	no	no			
				\$1.60	\$2.40	\$240.00
LF	no	no	no			
				\$1.60	\$2.40	\$4,280.00
LF	no	no	no			
				\$2.00	\$3.00	\$5,250.00
LF	no	no	no			
				\$2.80	\$4.20	\$5,740.00
LF	no	no	no			

Ref No	Item Number
1	604
2	604
3	614
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-4
16	SS-4
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

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

Units	Alternate	Optional	Fixed Price	Price Of Materials	Price Of Labor	Extension	Ref No	Item Number
LF	no	no	no	\$3.20	\$4.80	\$7,120.00	36	SS-4
LF	no	no	no	\$0.80	\$1.20	\$130,820.00	37	SS-5
LF	no	no	no	\$0.80	\$1.20	\$9,280.00	38	SS-5
LF	no	no	no	\$0.80	\$1.20	\$3,120.00	39	SS-5
LF	no	no	no	\$0.80	\$1.20	\$5,920.00	40	SS-5
LF	no	no	no	\$1.00	\$1.50	\$3,600.00	41	SS-5
LF	no	no	no	\$1.00	\$1.50	\$3,075.00	42	SS-5
LF	no	no	no	\$1.00	\$1.50	\$475.00	43	SS-5
LF	no	no	no	\$1.00	\$1.50	\$8,900.00	44	SS-5
LF	no	no	no	\$1.20	\$1.80	\$10,410.00	45	SS-5
LF	no	no	no	\$1.60	\$2.40	\$10,960.00	46	SS-5
LF	no	no	no	\$2.00	\$3.00	\$14,900.00	47	SS-5
CF	no	no	no	\$22.00	\$33.00	\$550.00	48	SS-7
EA	no	no	no	\$428.00	\$642.00	\$538,210.00	49	SS-10
EA	no	no	no	\$130.00	\$195.00	\$154,050.00	50	SS-10
EA	no	no	no	\$119.20	\$178.80	\$149,894.00	51	SS-10
VF	no	no	no	\$50.00	\$75.00	\$572,500.00	52	SS-10
EA	no	no	no	\$216.40	\$324.60	\$2,705.00	53	SS-10
EA	no	no	no	\$130.00	\$195.00	\$1,625.00	54	SS-10
EA	no	no	no	\$562.40	\$843.60	\$7,030.00	55	SS-10
EA	no	no	no	\$159.60	\$239.40	\$39,900.00	56	SS-11
EA	no	no	no	\$138.00	\$207.00	\$34,500.00	57	SS-11
LF	no	no	no	\$8.40	\$12.60	\$1,373,610.00	58	SS-12
LF	no	no	no	\$10.00	\$15.00	\$116,000.00	59	SS-12
LF	no	no	no	\$10.80	\$16.20	\$42,120.00	60	SS-12
LF	no	no	no	\$14.00	\$21.00	\$103,600.00	61	SS-12
LF	no	no	no	\$16.00	\$24.00	\$57,600.00	62	SS-12
LF	no	no	no	\$27.20	\$40.80	\$83,640.00	63	SS-12
LF	no	no	no	\$25.60	\$38.40	\$12,160.00	64	SS-12
LF	no	no	no	\$24.00	\$36.00	\$213,600.00	65	SS-12
LF	no	no	no	\$36.80	\$55.20	\$319,240.00	66	SS-12
LF	no	no	no	\$39.20	\$58.80	\$268,520.00	67	SS-12
LF	no	no	no	\$43.20	\$64.80	\$321,840.00	68	SS-12
LF	no	no	no	\$1.65	\$0.00	\$1.65	69	SS-12
LF	no	no	no	\$2.02	\$0.00	\$2.02	70	SS-12
LF	no	no	no	\$2.21	\$0.00	\$2.21	71	SS-12
LF	no	no	no	\$2.62	\$0.00	\$2.62	72	SS-12

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

Units	Alternate	Optional	Fixed Price	Price Of Materials	Price Of Labor	Extension	Ref No	Item Number
LF	no	no	no	\$3.36	\$0.00	\$3.36	73	SS-12
LF	no	no	no	\$3.61	\$0.00	\$3.61	74	SS-12
LF	no	no	no	\$3.61	\$0.00	\$3.61	75	SS-12
LF	no	no	no	\$3.66	\$0.00	\$3.66	76	SS-12
LF	no	no	no	\$4.15	\$0.00	\$4.15	77	SS-12
LF	no	no	no	\$5.36	\$0.00	\$0.00	78	SS-11
LF	no	no	no	\$5.50	\$0.00	\$5.50	79	SS-12
EA	no	no	no	\$100.00	\$150.00	\$67,500.00	80	SS-12
EA	no	no	no	\$80.40	\$120.60	\$472,350.00	81	SS-12
						\$5,943,843.39	82	Spec
						\$1,188,768.68		
					<b>Total:</b>	<b>\$7,132,612.07</b>		

Bond Amount	10.0%
Proposal Bond Amount Required	\$713,261.21
Contract Compliance No.	01-0684682
Vendor #	000027
Non-Collusion Affidavit Completed?	Yes
Local Vendor? Y/N	No
Addendum Acknowledgement Completed?	Yes
Prequalified	Yes
Proposal Affidavit Completed?	Yes

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

**SAK - FORM B3 - BID PRICE AND AMOUNT (Unit Price w/Labor & Materials)**

Description	Quantity	Units	Alternate	Optional	Fixed Price	Price Of Materials	Price Of Labor
Manholes, in Pavement	\$6.00	EA	no	no	no	\$1,800.00	\$7,200.00
Manholes, in Grass	\$7.00	EA	no	no	no	\$1,600.00	\$6,400.00
Maintaining Traffic	\$1.00	LS	no	no	no	\$0.00	\$150,000.00
8-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$1.00
10-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$1.00
12-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$1.00
15-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$1.00
18-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$685.00
20-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$4,000.00
21-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$600.00
24-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$11,000.00
27-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$10,000.00
30-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$6,000.00
36-inch, Bypass Pumping	\$1.00	LS	no	no	no	\$0.00	\$6,500.00
8-inch, Sewer Cleaning	\$65,410.00	LF	no	no	no	\$0.00	\$2.80
10-inch, Sewer Cleaning	\$4,640.00	LF	no	no	no	\$0.00	\$2.80
12-inch, Sewer Cleaning	\$1,560.00	LF	no	no	no	\$0.00	\$2.80
15-inch, Sewer Cleaning	\$2,960.00	LF	no	no	no	\$0.00	\$3.00
18-inch, Sewer Cleaning	\$1,440.00	LF	no	no	no	\$0.00	\$3.50
20-inch, Sewer Cleaning	\$1,230.00	LF	no	no	no	\$0.00	\$3.50
21-inch, Sewer Cleaning	\$190.00	LF	no	no	no	\$0.00	\$3.50
24-inch, Sewer Cleaning	\$3,560.00	LF	no	no	no	\$0.00	\$3.90
27-inch, Sewer Cleaning	\$3,470.00	LF	no	no	no	\$0.00	\$3.90
30-inch, Sewer Cleaning	\$2,740.00	LF	no	no	no	\$0.00	\$4.75
36-inch, Sewer Cleaning	\$2,980.00	LF	no	no	no	\$0.00	\$5.30
8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$19,630.00	LF	no	no	no	\$0.00	\$0.25
10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,400.00	LF	no	no	no	\$0.00	\$0.25
12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00	LF	no	no	no	\$0.00	\$0.25
15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00	LF	no	no	no	\$0.00	\$1.00
18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$430.00	LF	no	no	no	\$0.00	\$1.50
20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$370.00	LF	no	no	no	\$0.00	\$1.75
21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	no	no	no	\$0.00	\$1.75
24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,070.00	LF	no	no	no	\$0.00	\$2.00
27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,050.00	LF	no	no	no	\$0.00	\$2.00
30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$820.00	LF	no	no	no	\$0.00	\$3.50

## Blueprint West Franklinton: Lining Project

CIP 650875-100005

### Cost Estimate

Description	Quantity	Units	Alternate	Optional	Fixed Price	Price Of Materials	Price Of Labor
36-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00	LF	no	no	no	\$0.00	\$3.50
8-inch, Sewer Televising	\$65,410.00	LF	no	no	no	\$0.00	\$1.20
10-inch, Sewer Televising	\$4,640.00	LF	no	no	no	\$0.00	\$1.20
12-inch, Sewer Televising	\$1,560.00	LF	no	no	no	\$0.00	\$1.20
15-inch, Sewer Televising	\$2,960.00	LF	no	no	no	\$0.00	\$1.20
18-inch, Sewer Televising	\$1,440.00	LF	no	no	no	\$0.00	\$1.50
20-inch, Sewer Televising	\$1,230.00	LF	no	no	no	\$0.00	\$1.50
21-inch, Sewer Televising	\$190.00	LF	no	no	no	\$0.00	\$1.50
24-inch, Sewer Televising	\$3,560.00	LF	no	no	no	\$0.00	\$1.50
27-inch, Sewer Televising	\$3,470.00	LF	no	no	no	\$0.00	\$1.50
30-inch, Sewer Televising	\$2,740.00	LF	no	no	no	\$0.00	\$1.75
36-inch, Sewer Televising	\$2,980.00	LF	no	no	no	\$0.00	\$1.75
Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	no	no	no	\$10.00	\$40.00
Replace Manhole Frame and Cover	\$503.00	EA	no	no	no	\$165.00	\$660.00
Concrete Collar	\$474.00	EA	no	no	no	\$95.00	\$380.00
Flexible Chimney Seal	\$503.00	EA	no	no	no	\$55.00	\$220.00
Manhole Lining	\$4,580.00	VF	no	no	no	\$23.10	\$92.40
Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	no	no	no	\$100.00	\$400.00
Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	no	no	no	\$30.00	\$120.00
Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	no	no	no	\$50.00	\$200.00
Lateral Sewer Televised, as Directed by the Engineer	\$100.00	EA	no	no	no	\$0.00	\$250.00
Lateral Sewer Dye Tested, as Directed by the Engineer	\$100.00	EA	no	no	no	\$0.00	\$250.00
8-inch CIPP, 6.0 mm Min Thickness	\$65,410.00	LF	no	no	no	\$6.00	\$17.50
10-inch CIPP 6.0 mm Min Thickness	\$4,640.00	LF	no	no	no	\$6.10	\$18.15
12-inch CIPP, 6.0 mm Min Thickness	\$1,560.00	LF	no	no	no	\$7.75	\$23.25
15-inch CIPP 7.5 mm Min Thickness	\$2,960.00	LF	no	no	no	\$13.00	\$39.00
18-inch CIPP 9.0 mm Min Thickness	\$1,440.00	LF	no	no	no	\$17.25	\$51.75
20-inch CIPP 10.5 mm Min Thickness	\$1,230.00	LF	no	no	no	\$24.75	\$74.25
21-inch CIPP, 10.5 mm Min Thickness	\$190.00	LF	no	no	no	\$28.25	\$84.75
24-inch CIPP 12.0 mm Min Thickness	\$3,560.00	LF	no	no	no	\$21.25	\$63.75
27-inch CIPP 13.5 mm Min Thickness	\$3,470.00	LF	no	no	no	\$41.75	\$125.25
30-inch CIPP 15.0 mm Min Thickness	\$2,740.00	LF	no	no	no	\$34.25	\$102.75
36-inch CIPP 18.0 mm Min Thickness	\$2,980.00	LF	no	no	no	\$38.75	\$116.25
1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	no	no	no	\$3.70	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	no	no	no	\$4.80	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	no	no	no	\$4.80	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	no	no	no	\$5.80	\$0.00

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

<b>Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Alternate</b>	<b>Optional</b>	<b>Fixed Price</b>	<b>Price Of Materials</b>	<b>Price Of Labor</b>
1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	\$1.00	LF	no	no	no	\$6.90	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	\$1.00	LF	no	no	no	\$8.00	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	\$1.00	LF	no	no	no	\$8.00	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	\$1.00	LF	no	no	no	\$9.00	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	\$1.00	LF	no	no	no	\$10.00	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (30" CIPP)	\$0.00	LF	no	no	no	\$11.50	\$0.00
1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	\$1.00	LF	no	no	no	\$12.83	\$0.00
Air Test	\$270.00	EA	no	no	no	\$0.00	\$75.00
Lateral Sewer Reestablished	\$2,350.00	EA	no	no	no	\$0.00	\$35.00
<b>SUBTOTAL</b>							
<b>Force Account (.20 x Sum of Items 1 through 81)</b>							
<b>TOTAL</b>							<b>Total:</b>

Bond Amount
Proposal Bond Amount Required
Contract Compliance No.
Vendor #
-----
Non-Collusion Affidavit Completed?
Local Vendor? Y/N
Addendum Acknowledgment Completed?
Prequalified
Proposal Affidavit Completed?

## Blueprint West Franklinton: Lining Project

CIP 650875-100005

### Cost Estimate

LANZO TRENCHLESS - FORM B3 - BID PRICE AND AMOUNT (Unit Price)							
Extension	Ref No	Item Number	Description	Quantity	Units	Alternative	Optional
\$54,000.00	1	604	Manholes, in Pavement	\$6.00	EA	no	no
\$56,000.00	2	604	Manholes, in Grass	\$7.00	EA	no	no
\$150,000.00	3	614	Maintaining Traffic	\$1.00	LS	no	no
\$1.00	4	SS-3	8-inch, Bypass Pumping	\$1.00	LS	no	no
\$1.00	5	SS-3	10-inch, Bypass Pumping	\$1.00	LS	no	no
\$1.00	6	SS-3	12-inch, Bypass Pumping	\$1.00	LS	no	no
\$1.00	7	SS-3	15-inch, Bypass Pumping	\$1.00	LS	no	no
\$685.00	8	SS-3	18-inch, Bypass Pumping	\$1.00	LS	no	no
\$4,000.00	9	SS-3	20-inch, Bypass Pumping	\$1.00	LS	no	no
\$600.00	10	SS-3	21-inch, Bypass Pumping	\$1.00	LS	no	no
\$11,000.00	11	SS-3	24-inch, Bypass Pumping	\$1.00	LS	no	no
\$10,000.00	12	SS-3	27-inch, Bypass Pumping	\$1.00	LS	no	no
\$6,000.00	13	SS-3	30-inch, Bypass Pumping	\$1.00	LS	no	no
\$6,500.00	14	SS-3	36-inch, Bypass Pumping	\$1.00	LS	no	no
\$183,148.00	15	SS-4	8-inch, Sewer Cleaning	\$65,410.00	LF	no	no
\$12,992.00	16	SS-4	10-inch, Sewer Cleaning	\$4,640.00	LF	no	no
\$4,368.00	17	SS-4	12-inch, Sewer Cleaning	\$1,560.00	LF	no	no
\$8,880.00	18	SS-4	15-inch, Sewer Cleaning	\$2,960.00	LF	no	no
\$5,040.00	19	SS-4	18-inch, Sewer Cleaning	\$1,440.00	LF	no	no
\$4,305.00	20	SS-4	20-inch, Sewer Cleaning	\$1,230.00	LF	no	no
\$665.00	21	SS-4	21-inch, Sewer Cleaning	\$190.00	LF	no	no
\$13,884.00	22	SS-4	24-inch, Sewer Cleaning	\$3,560.00	LF	no	no
\$13,533.00	23	SS-4	27-inch, Sewer Cleaning	\$3,470.00	LF	no	no
\$13,015.00	24	SS-4	30-inch, Sewer Cleaning	\$2,740.00	LF	no	no
\$15,794.00	25	SS-4	36-inch, Sewer Cleaning	\$2,980.00	LF	no	no
\$4,907.50	26	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$19,630.00	LF	no	no
\$350.00	27	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,400.00	LF	no	no
\$117.50	28	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$470.00	LF	no	no
\$890.00	29	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00	LF	no	no
\$645.00	30	SS-4	18-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$430.00	LF	no	no
\$647.50	31	SS-4	20-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$370.00	LF	no	no
\$105.00	32	SS-4	21-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$60.00	LF	no	no
\$2,140.00	33	SS-4	24-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,070.00	LF	no	no
\$2,100.00	34	SS-4	27-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,050.00	LF	no	no
\$2,870.00	35	SS-4	30-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$820.00	LF	no	no



## Blueprint West Franklinton: Lining Project

CIP 650875-100005

### Cost Estimate

Extension	Ref No	Item Number	Description	Quantity	Units	Alternate	Optional
\$3,115.00	36	SS-4	36-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$890.00	LF	no	no
\$78,492.00	37	SS-5	8-inch, Sewer Televising	\$65,410.00	LF	no	no
\$5,568.00	38	SS-5	10-inch, Sewer Televising	\$4,640.00	LF	no	no
\$1,872.00	39	SS-5	12-inch, Sewer Televising	\$1,560.00	LF	no	no
\$3,552.00	40	SS-5	15-inch, Sewer Televising	\$2,960.00	LF	no	no
\$2,160.00	41	SS-5	18-inch, Sewer Televising	\$1,440.00	LF	no	no
\$1,845.00	42	SS-5	20-inch, Sewer Televising	\$1,230.00	LF	no	no
\$285.00	43	SS-5	21-inch, Sewer Televising	\$190.00	LF	no	no
\$5,340.00	44	SS-5	24-inch, Sewer Televising	\$3,560.00	LF	no	no
\$5,205.00	45	SS-5	27-inch, Sewer Televising	\$3,470.00	LF	no	no
\$4,795.00	46	SS-5	30-inch, Sewer Televising	\$2,740.00	LF	no	no
\$5,215.00	47	SS-5	36-inch, Sewer Televising	\$2,980.00	LF	no	no
\$500.00	48	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	no	no
\$414,975.00	49	SS-10	Replace Manhole Frame and Cover	\$503.00	EA	no	no
\$225,150.00	50	SS-10	Concrete Collar	\$474.00	EA	no	no
\$138,325.00	51	SS-10	Flexible Chimney Seal	\$503.00	EA	no	no
\$528,990.00	52	SS-10	Manhole Lining	\$4,580.00	VF	no	no
\$2,500.00	53	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	no	no
\$750.00	54	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	no	no
\$1,250.00	55	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	no	no
\$25,000.00	56	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$100.00	EA	no	no
\$25,000.00	57	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$100.00	EA	no	no
\$1,537,135.00	58	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$65,410.00	LF	no	no
\$112,520.00	59	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$4,640.00	LF	no	no
\$48,360.00	60	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$1,560.00	LF	no	no
\$153,920.00	61	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$2,960.00	LF	no	no
\$99,360.00	62	SS-12	18-inch CIPP 9.0 mm Min Thickness	\$1,440.00	LF	no	no
\$121,770.00	63	SS-12	20-inch CIPP 10.5 mm Min Thickness	\$1,230.00	LF	no	no
\$21,470.00	64	SS-12	21-inch CIPP, 10.5 mm Min Thickness	\$190.00	LF	no	no
\$302,600.00	65	SS-12	24-inch CIPP 12.0 mm Min Thickness	\$3,560.00	LF	no	no
\$579,490.00	66	SS-12	27-inch CIPP 13.5 mm Min Thickness	\$3,470.00	LF	no	no
\$375,380.00	67	SS-12	30-inch CIPP 15.0 mm Min Thickness	\$2,740.00	LF	no	no
\$461,900.00	68	SS-12	36-inch CIPP 18.0 mm Min Thickness	\$2,980.00	LF	no	no
\$3.70	69	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	no	no
\$4.80	70	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	no	no
\$4.80	71	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	no	no
\$5.80	72	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	no	no

## Blueprint West Franklinton: Lining Project

CIP 650875-100005

### Cost Estimate

Extension	Ref No	Item Number	Description	Quantity	Units	Alternate	Optional
\$6.90	73	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (18" CIPP)	\$1.00	LF	no	no
\$8.00	74	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (20" CIPP)	\$1.00	LF	no	no
\$8.00	75	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (21" CIPP)	\$1.00	LF	no	no
\$9.00	76	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (24" CIPP)	\$1.00	LF	no	no
\$10.00	77	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (27" CIPP)	\$1.00	LF	no	no
\$0.00	78	SS-11	1.5 mm Incremental Wall Thickness Increase or Decrease (30" CIPP)	\$0.00	LF	no	no
\$12.83	79	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (36" CIPP)	\$1.00	LF	no	no
\$20,250.00	80	SS-12	Air Test	\$270.00	EA	no	no
\$82,250.00	81	SS-12	Lateral Sewer Reestablished	\$2,350.00	EA	no	no
\$5,985,548.33	82	Spec	<b>SUBTOTAL</b>				
\$1,197,109.67			<b>Force Account (.20 x Sum of Items 1 through 81)</b>				
<b>\$7,182,658.00</b>			<b>TOTAL</b>				

10.0%
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\$718,265.80
20-4193988
001326
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Yes
No
Yes
Yes
Yes

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

<b>Price w/Labor &amp; Materials)</b>			
<b>Fixed Price</b>	<b>Price Of Materials</b>	<b>Price Of Labor</b>	<b>Extension</b>
no	\$7,200.00	\$4,800.00	\$72,000.00
no	\$5,460.00	\$3,640.00	\$63,700.00
	\$0.00	\$150,000.00	\$150,000.00
no			
no	\$0.00	\$1.00	\$1.00
no	\$0.00	\$1.00	\$1.00
no	\$0.00	\$1.00	\$1.00
no	\$0.00	\$1.00	\$1.00
no	\$0.00	\$1.00	\$1.00
no	\$0.00	\$7,000.00	\$7,000.00
no	\$0.00	\$10,100.00	\$10,100.00
no	\$0.00	\$20,000.00	\$20,000.00
no	\$0.00	\$20,000.00	\$20,000.00
no	\$0.00	\$16,000.00	\$16,000.00
no	\$0.00	\$17,000.00	\$17,000.00
no	\$0.00	\$2.20	\$143,902.00
no	\$0.00	\$2.20	\$10,208.00
no	\$0.00	\$2.20	\$3,432.00
no	\$0.00	\$2.60	\$7,696.00
no	\$0.00	\$3.40	\$4,896.00
no	\$0.00	\$3.40	\$4,182.00
no	\$0.00	\$3.40	\$646.00
no	\$0.00	\$3.50	\$12,460.00
no	\$0.00	\$4.20	\$14,574.00
no	\$0.00	\$4.60	\$12,604.00
no	\$0.00	\$5.80	\$17,284.00
	\$0.00	\$1.20	\$23,556.00
no			
	\$0.00	\$1.20	\$1,680.00
no			
	\$0.00	\$1.20	\$564.00
no			
	\$0.00	\$2.20	\$1,958.00
no			
	\$0.00	\$2.40	\$1,032.00
no			
	\$0.00	\$2.50	\$925.00
no			
	\$0.00	\$2.60	\$156.00
no			
	\$0.00	\$2.70	\$2,889.00
no			
	\$0.00	\$3.20	\$3,360.00
no			
	\$0.00	\$3.50	\$2,870.00
no			

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

<b>Fixed Price</b>	<b>Price Of Materials</b>	<b>Price Of Labor</b>	<b>Extension</b>
no	\$0.00	\$4.40	\$3,916.00
no	\$0.00	\$1.30	\$85,033.00
no	\$0.00	\$1.30	\$6,032.00
no	\$0.00	\$1.30	\$2,028.00
no	\$0.00	\$1.50	\$4,440.00
no	\$0.00	\$1.80	\$2,592.00
no	\$0.00	\$1.90	\$2,337.00
no	\$0.00	\$1.90	\$361.00
no	\$0.00	\$1.90	\$6,764.00
no	\$0.00	\$2.30	\$7,981.00
no	\$0.00	\$2.60	\$7,124.00
no	\$0.00	\$3.80	\$11,324.00
no	\$30.00	\$20.00	\$500.00
no	\$660.00	\$440.00	\$553,300.00
no	\$330.00	\$220.00	\$260,700.00
no	\$270.00	\$180.00	\$226,350.00
no	\$78.00	\$52.00	\$595,400.00
no	\$330.00	\$220.00	\$2,750.00
no	\$990.00	\$660.00	\$8,250.00
no	\$528.00	\$352.00	\$4,400.00
no	\$0.00	\$290.00	\$29,000.00
no	\$0.00	\$350.00	\$35,000.00
no	\$13.80	\$9.20	\$1,504,430.00
no	\$15.60	\$10.40	\$120,640.00
no	\$18.60	\$12.40	\$48,360.00
no	\$25.20	\$16.80	\$124,320.00
no	\$34.20	\$22.80	\$82,080.00
no	\$38.40	\$25.60	\$78,720.00
no	\$64.20	\$42.80	\$20,330.00
no	\$49.20	\$32.80	\$291,920.00
no	\$67.20	\$44.80	\$388,640.00
no	\$75.00	\$50.00	\$342,500.00
no	\$96.60	\$64.40	\$479,780.00
no	\$0.60	\$0.40	\$1.00
no	\$0.60	\$0.40	\$1.00
no	\$0.60	\$0.40	\$1.00
no	\$7.20	\$4.80	\$12.00

**Blueprint West Franklinton: Lining Project**

**CIP 650875-100005**

**Cost Estimate**

<b>Fixed Price</b>	<b>Price Of Materials</b>	<b>Price Of Labor</b>	<b>Extension</b>
no	\$8.40	\$5.60	\$14.00
no	\$9.00	\$6.00	\$15.00
no	\$9.60	\$6.40	\$16.00
no	\$10.80	\$7.20	\$18.00
no	\$13.20	\$8.80	\$22.00
no	\$0.00	\$0.00	\$0.00
no	\$21.60	\$14.40	\$36.00
no	\$0.00	\$300.00	\$81,000.00
no	\$0.00	\$156.00	\$366,600.00
			\$6,431,717.00
			\$1,286,343.40
		<b>Total:</b>	<b>\$7,718,060.40</b>

Bond Amount	10.0%
Proposal Bond Amount Required	\$771,806.04
Contract Compliance No.	No
Vendor #	No
Non-Collusion Affidavit Completed?	Yes
Local Vendor? Y/N	No
Addendum Acknowledgement Completed?	Yes
Prequalified	No
Proposal Affidavit Completed?	Yes