

Blueprint Fifth by Northwest: Lining Project
CIP 650875-100004
Cost Estimate

650875-100004		BLUEPRINT FIFTH BY NORTHWEST LINING PROJECT - ENGINEER'S ESTIMATE			Date: 09/13/17	PM: Mike Griffith	
Order Number	Ref. No.	Item No.	Description	Estimated Quantities	Units	Unit Cost	Total
1		604	Manholes, in Pavement	5	EA	\$9,000.00	\$45,000.00
2		604	Manholes, in Grass	4	EA	\$8,000.00	\$32,000.00
3		614	Maintaining Traffic	1	LS	\$35,000.00	\$35,000.00
4		SS-3	8-inch, Bypass Pumping	1	LS	\$20,000.00	\$20,000.00
5		SS-3	10-inch, Bypass Pumping	1	LS	\$4,000.00	\$4,000.00
6		SS-3	12-inch, Bypass Pumping	1	LS	\$1,000.00	\$1,000.00
7		SS-3	15-inch, Bypass Pumping	1	LS	\$5,000.00	\$5,000.00
8		SS-4	8-inch, Sewer Cleaning	30,360	LF	\$3.00	\$91,080.00
9		SS-4	10-inch, Sewer Cleaning	5,260	LF	\$3.00	\$15,780.00
10		SS-4	12-inch, Sewer Cleaning	1,580	LF	\$3.00	\$4,740.00
11		SS-4	15-inch, Sewer Cleaning	5,990	LF	\$3.00	\$17,970.00
12		SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	9,110	LF	\$1.20	\$10,932.00
13		SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	1,580	LF	\$1.20	\$1,896.00
14		SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	480	LF	\$1.20	\$576.00
15		SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	1,800	LF	\$1.20	\$2,160.00
16		SS-5	8-inch, Sewer Televising	30,360	LF	\$1.50	\$45,540.00
17		SS-5	10-inch, Sewer Televising	5,260	LF	\$1.50	\$7,890.00
18		SS-5	12-inch, Sewer Televising	1,580	LF	\$1.50	\$2,370.00
19		SS-5	15-inch, Sewer Televising	5,990	LF	\$1.50	\$8,985.00
20		SS-7	Cementitious Grouting, as Directed by the Engineer	10	CF	\$200.00	\$2,000.00
21		SS-10	Replace Manhole Frame and Cover	158	EA	\$1,000.00	\$158,000.00
22		SS-10	Concrete Collar	153	EA	\$400.00	\$61,200.00
23		SS-10	Flexible Chimney Seal	158	EA	\$300.00	\$47,400.00
24		SS-10	Manhole Lining	1,550	VF	\$130.00	\$201,500.00
25		SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	5	EA	\$700.00	\$3,500.00
26		SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	5	EA	\$300.00	\$1,500.00
27		SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	5	EA	\$700.00	\$3,500.00
28		SS-11	Lateral Sewer Televised, as Directed by the Engineer	30	EA	\$500.00	\$15,000.00
29		SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	5	EA	\$300.00	\$1,500.00
30		SS-12	8-inch CIPP, 6.0 mm Min Thickness	30,360	LF	\$26.00	\$789,360.00
31		SS-12	10-inch CIPP 6.0 mm Min Thickness	5,260	LF	\$30.00	\$157,800.00
32		SS-12	12-inch CIPP, 6.0 mm Min Thickness	1,580	LF	\$33.00	\$52,140.00
33		SS-12	15-inch CIPP 7.5 mm Min Thickness	5,990	LF	\$42.00	\$251,580.00
34		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	1	LF	\$2.00	\$2.00
35		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	1	LF	\$3.00	\$3.00
36		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	1	LF	\$4.00	\$4.00
37		SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	1	LF	\$5.00	\$5.00
38		SS-12	Air Test	200	EA	\$250.00	\$50,000.00
39		SS-12	Lateral Sewer Reestablished	900	EA	\$80.00	\$72,000.00
			SUBTOTAL				\$2,219,913.00
40		Spec	Force Account (0.20 x Sum of Items 1 through 39)	1	LS		\$443,982.60
			TOTAL				\$2,663,895.60

		INSITUFORM TECHNOLOGIES LLC						
Ref No.	Item Number	Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension	
1	604	Manholes, in Pavement	\$5.00	EA	\$4,600.00	\$6,900.00	\$57,500.00	
2	604	Manholes, in Grass	\$4.00	EA	\$3,760.00	\$5,640.00	\$37,600.00	
3	614	Maintaining Traffic	\$1.00	LS	\$3,600.00	\$5,400.00	\$9,000.00	
4	SS-3	8-inch, Bypass Pumping	\$1.00	LS	\$0.40	\$0.60	\$1.00	
5	SS-3	10-inch, Bypass Pumping	\$1.00	LS	\$0.40	\$0.60	\$1.00	
6	SS-3	12-inch, Bypass Pumping	\$1.00	LS	\$0.40	\$0.60	\$1.00	
7	SS-3	15-inch, Bypass Pumping	\$1.00	LS	\$0.40	\$0.60	\$1.00	
8	SS-4	8-inch, Sewer Cleaning	\$30,360.00	LF	\$0.84	\$1.26	\$63,756.00	
9	SS-4	10-inch, Sewer Cleaning	\$5,260.00	LF	\$0.84	\$1.26	\$11,046.00	
10	SS-4	12-inch, Sewer Cleaning	\$1,580.00	LF	\$0.84	\$1.26	\$3,318.00	
11	SS-4	15-inch, Sewer Cleaning	\$5,990.00	LF	\$1.00	\$1.50	\$14,975.00	
12	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$9,110.00	LF	\$0.44	\$0.66	\$10,021.00	
13	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,580.00	LF	\$0.44	\$0.66	\$1,738.00	
14	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$480.00	LF	\$0.44	\$0.66	\$528.00	
15	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,800.00	LF	\$0.84	\$1.26	\$3,780.00	
16	SS-5	8-inch, Sewer Televising	\$30,360.00	LF	\$0.48	\$0.72	\$36,432.00	
17	SS-5	10-inch, Sewer Televising	\$5,260.00	LF	\$0.48	\$0.72	\$6,312.00	
18	SS-5	12-inch, Sewer Televising	\$1,580.00	LF	\$0.48	\$0.72	\$1,896.00	
19	SS-5	15-inch, Sewer Televising	\$5,990.00	LF	\$0.56	\$0.84	\$8,386.00	
20	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	\$16.60	\$24.90	\$415.00	
21	SS-10	Replace Manhole Frame and Cover	\$158.00	EA	\$410.00	\$615.00	\$161,950.00	
22	SS-10	Concrete Collar	\$153.00	EA	\$176.00	\$264.00	\$67,320.00	
23	SS-10	Flexible Chimney Seal	\$158.00	EA	\$114.00	\$171.00	\$45,030.00	
24	SS-10	Manhole Lining	\$1,550.00	VF	\$48.00	\$72.00	\$186,000.00	
25	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	\$206.00	\$309.00	\$2,575.00	
26	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$410.00	\$615.00	\$5,125.00	
27	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$410.00	\$615.00	\$5,125.00	
28	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$30.00	EA	\$106.00	\$159.00	\$7,950.00	
29	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$5.00	EA	\$127.20	\$190.80	\$1,590.00	
30	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$30,360.00	LF	\$8.80	\$13.20	\$667,920.00	
31	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$5,260.00	LF	\$9.40	\$14.10	\$123,610.00	
32	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$1,580.00	LF	\$12.00	\$18.00	\$47,400.00	
33	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$5,990.00	LF	\$15.20	\$22.80	\$227,620.00	
34	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	\$1.28	\$1.92	\$3.20	
35	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	\$2.12	\$3.18	\$5.30	
36	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	\$2.96	\$4.44	\$7.40	
37	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	\$4.24	\$6.36	\$10.60	
38	SS-12	Air Test	\$200.00	EA	\$32.00	\$48.00	\$16,000.00	
39	SS-12	Lateral Sewer Reestablished	\$900.00	EA	\$20.00	\$30.00	\$45,000.00	
		SUBTOTAL					\$1,876,948.50	
40	Spec	Force Account (0.20 x Sum of Items 1 through 39)	\$1.00	LS	\$150,155.88	\$225,233.82	\$375,389.70	
		TOTAL					\$2,252,338.20	

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.

NOTES
1.) Apparent low bid is - Insituform Technologies LLC

Bond Amount	10.0%
Proposal Bond Amount Required	\$225,233.82
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

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SAK CONSTRUCTION LLC							
Ref No.	Item Number	Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension
1	604	Manholes, in Pavement	\$5.00	EA	\$2,500.00	\$9,000.00	\$57,500.00
2	604	Manholes, in Grass	\$4.00	EA	\$2,000.00	\$8,000.00	\$40,000.00
3	614	Maintaining Traffic	\$1.00	LS	\$0.00	\$55,000.00	\$55,000.00
4	SS-3	8-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$1,000.00	\$1,000.00
5	SS-3	10-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$1,500.00	\$1,500.00
6	SS-3	12-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$2,000.00	\$2,000.00
7	SS-3	15-inch, Bypass Pumping	\$1.00	LS	\$0.00	\$2,500.00	\$2,500.00
8	SS-4	8-inch, Sewer Cleaning	\$30,360.00	LF	\$0.00	\$3.00	\$91,080.00
9	SS-4	10-inch, Sewer Cleaning	\$5,260.00	LF	\$0.00	\$3.00	\$15,780.00
10	SS-4	12-inch, Sewer Cleaning	\$1,580.00	LF	\$0.00	\$3.00	\$4,740.00
11	SS-4	15-inch, Sewer Cleaning	\$5,990.00	LF	\$0.00	\$3.50	\$20,965.00
12	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$9,110.00	LF	\$0.00	\$1.50	\$13,665.00
13	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,580.00	LF	\$0.00	\$1.50	\$2,370.00
14	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$480.00	LF	\$0.00	\$1.50	\$720.00
15	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,800.00	LF	\$0.00	\$3.00	\$5,400.00
16	SS-5	8-inch, Sewer Televising	\$30,360.00	LF	\$0.00	\$1.25	\$37,950.00
17	SS-5	10-inch, Sewer Televising	\$5,260.00	LF	\$0.00	\$1.25	\$6,575.00
18	SS-5	12-inch, Sewer Televising	\$1,580.00	LF	\$0.00	\$1.25	\$1,975.00
19	SS-5	15-inch, Sewer Televising	\$5,990.00	LF	\$0.00	\$1.50	\$8,985.00
20	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	\$2.00	\$40.00	\$420.00
21	SS-10	Replace Manhole Frame and Cover	\$158.00	EA	\$800.00	\$350.00	\$181,700.00
22	SS-10	Concrete Collar	\$153.00	EA	\$100.00	\$215.00	\$48,195.00
23	SS-10	Flexible Chimney Seal	\$158.00	EA	\$75.00	\$215.00	\$45,820.00
24	SS-10	Manhole Lining	\$1,550.00	VF	\$20.00	\$100.00	\$186,000.00
25	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	\$100.00	\$425.00	\$2,625.00
26	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$50.00	\$265.00	\$1,575.00
27	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$200.00	\$1,200.00	\$7,000.00
28	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$30.00	EA	\$0.00	\$265.00	\$7,950.00
29	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$5.00	EA	\$5.00	\$310.00	\$1,575.00
30	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$30,360.00	LF	\$4.00	\$19.30	\$707,388.00
31	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$5,260.00	LF	\$5.00	\$20.30	\$133,078.00
32	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$1,580.00	LF	\$6.00	\$36.00	\$66,360.00
33	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$5,990.00	LF	\$7.00	\$36.00	\$257,570.00
34	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	\$2.00	\$0.00	\$2.00
35	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	\$2.50	\$0.00	\$2.50
36	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	\$3.00	\$0.00	\$3.00
37	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	\$4.00	\$0.00	\$4.00
38	SS-12	Air Test	\$200.00	EA	\$0.00	\$75.00	\$15,000.00
39	SS-12	Lateral Sewer Reestablished	\$900.00	EA	\$0.00	\$50.00	\$45,000.00
		SUBTOTAL					\$2,076,972.50
40	Spec	Force Account (0.20 x Sum of Items 1 through 39)	\$1.00	LS	\$0.00	\$415,394.50	\$415,394.50
		TOTAL					\$2,492,367.00

LAYNE INLINER LLC							
Ref No.	Item Number	Description	Quantity	Units	Price Of Materials	Price Of Labor	Extension
1	604	Manholes, in Pavement	\$5.00	EA	\$4,800.00	\$7,200.00	\$60,000.00
2	604	Manholes, in Grass	\$4.00	EA	\$4,400.00	\$6,600.00	\$44,000.00
3	614	Maintaining Traffic	\$1.00	LS	\$23,200.00	\$34,800.00	\$58,000.00
4	SS-3	8-inch, Bypass Pumping	\$1.00	LS	\$2,000.00	\$3,000.00	\$5,000.00
5	SS-3	10-inch, Bypass Pumping	\$1.00	LS	\$2,000.00	\$3,000.00	\$5,000.00
6	SS-3	12-inch, Bypass Pumping	\$1.00	LS	\$4,000.00	\$6,000.00	\$10,000.00
7	SS-3	15-inch, Bypass Pumping	\$1.00	LS	\$4,800.00	\$7,200.00	\$12,000.00
8	SS-4	8-inch, Sewer Cleaning	\$30,360.00	LF	\$1.80	\$1.20	\$91,080.00
9	SS-4	10-inch, Sewer Cleaning	\$5,260.00	LF	\$1.80	\$1.20	\$15,780.00
10	SS-4	12-inch, Sewer Cleaning	\$1,580.00	LF	\$1.80	\$1.20	\$4,740.00
11	SS-4	15-inch, Sewer Cleaning	\$5,990.00	LF	\$2.40	\$1.60	\$23,960.00
12	SS-4	8-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$9,110.00	LF	\$1.20	\$0.80	\$18,220.00
13	SS-4	10-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,580.00	LF	\$1.80	\$1.20	\$4,740.00
14	SS-4	12-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$480.00	LF	\$1.80	\$1.20	\$1,440.00
15	SS-4	15-inch, Heavy Sewer Cleaning, as Directed by the Engineer	\$1,800.00	LF	\$2.40	\$1.60	\$7,200.00
16	SS-5	8-inch, Sewer Televising	\$30,360.00	LF	\$1.20	\$0.80	\$60,720.00
17	SS-5	10-inch, Sewer Televising	\$5,260.00	LF	\$1.20	\$0.80	\$10,520.00
18	SS-5	12-inch, Sewer Televising	\$1,580.00	LF	\$1.20	\$0.80	\$3,160.00
19	SS-5	15-inch, Sewer Televising	\$5,990.00	LF	\$1.20	\$0.80	\$11,980.00
20	SS-7	Cementitious Grouting, as Directed by the Engineer	\$10.00	CF	\$48.00	\$32.00	\$800.00
21	SS-10	Replace Manhole Frame and Cover	\$158.00	EA	\$744.00	\$496.00	\$195,920.00
22	SS-10	Concrete Collar	\$153.00	EA	\$204.00	\$136.00	\$52,020.00
23	SS-10	Flexible Chimney Seal	\$158.00	EA	\$124.00	\$186.00	\$48,980.00
24	SS-10	Manhole Lining	\$1,550.00	VF	\$78.00	\$52.00	\$201,500.00
25	SS-10	Bench and Channel Reconstruction, as Directed by the Engineer	\$5.00	EA	\$338.40	\$225.60	\$2,820.00
26	SS-10	Raise Manhole Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$204.00	\$136.00	\$1,700.00
27	SS-10	Raise Manhole Frame and Cover to Grade, as Directed by The Engineer	\$5.00	EA	\$586.00	\$879.00	\$7,325.00
28	SS-11	Lateral Sewer Televised, as Directed by the Engineer	\$30.00	EA	\$300.00	\$200.00	\$15,000.00
29	SS-11	Lateral Sewer Dye Tested, as Directed by the Engineer	\$5.00	EA	\$300.00	\$200.00	\$2,500.00
30	SS-12	8-inch CIPP, 6.0 mm Min Thickness	\$30,360.00	LF	\$12.00	\$8.00	\$607,200.00
31	SS-12	10-inch CIPP 6.0 mm Min Thickness	\$5,260.00	LF	\$14.40	\$9.60	\$126,240.00
32	SS-12	12-inch CIPP, 6.0 mm Min Thickness	\$1,580.00	LF	\$20.40	\$13.60	\$53,720.00
33	SS-12	15-inch CIPP 7.5 mm Min Thickness	\$5,990.00	LF	\$21.60	\$14.40	\$215,640.00
34	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (8" CIPP)	\$1.00	LF	\$0.96	\$0.64	\$1.60
35	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (10" CIPP)	\$1.00	LF	\$1.13	\$0.75	\$1.88
36	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (12" CIPP)	\$1.00	LF	\$1.13	\$0.75	\$1.88
37	SS-12	1.5 mm Incremental Wall Thickness Increase or Decrease (15" CIPP)	\$1.00	LF	\$1.26	\$0.84	\$2.10
38	SS-12	Air Test	\$200.00	EA	\$150.00	\$100.00	\$50,000.00
39	SS-12	Lateral Sewer Reestablished	\$900.00	EA	\$93.00	\$62.00	\$139,500.00
		SUBTOTAL					\$2,168,412.46
40	Spec	Force Account (0.20 x Sum of Items 1 through 39)	\$1.00	LS	\$260,209.50	\$173,473.00	\$433,682.50
		TOTAL					\$2,602,094.96

Bond Amount	10.0%
Proposal Bond Amount Required	\$249,236.70
Contract Compliance No.	20-4193988
Vendor #	001326
Non-Collusion Affidavit Completed?	Yes
Local Vendor? Y/N	No
Addendum Acknowledgement Completed?	Yes
Prequalified	Yes
Proposal Affidavit Completed?	Yes

Bond Amount	10.0%
Proposal Bond Amount Required	\$260,209.50
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