



Project Name: McKinley Avenue Sewer Rehabilitation				Engineer's Estimate  City Engineering Division		SAK Construction 864 Hoff Rd. O'Fallon, MO 63366		Insituform Technologies USA, LLC 17988 Edison Avenue Chesterfield, MO 63005		Lanzo Trenchless Technologies 28137 Groesbeck Highway Roseville, MI 48066		Michels Corporation 814 W. Main St. Brownsville, WI 53006		Spiniello Companies 354 Eisenhower Pkwy Livingston, NJ 07039		IPR Great Lakes, LLC 4086 Michigan Avenue Detroit, MI 48210	
Project Number: 2017-22						PH: 636.385.1034 FAX: 636.385.1100 bidcipp@sakcon.com		PH: 314.409.5069 FAX: 636.898.5094 gpatton@aeqion.com		PH: 954.979.0802 FAX: 954.979.9897 estimating@lanzo.org		PH: 503.364.1199 FAX: 503.391.8317 dphelps@michels.us		PH: 973.808.8383 FAX: 973.251.9712 estimating@spinielloco.com		PH: 678.607.2161 ex. 90363 Bjacobson@teamipr.com	
Bid Date: 8/20/19						Theresa Messer		Greg Patton		James Tilli		David Phelps		Marlena Lawrence		Brandi Jacobson	
Time: 10:30 a.m.																	
Fund:																	
Organization Code:																	
Object Code:																	
Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	MOBILIZATION	1	LSUM	\$270,000.00	\$270,000.00	\$69,300.00	\$69,300.00	\$310,000.00	\$310,000.00	\$480,000.00	\$480,000.00	\$342,500.00	\$342,500.00	\$244,000.00	\$244,000.00	\$175,000.00	\$175,000.00
2	SEWER CLEANING, 60" AND OVER	6,657	FEET	\$30.47	\$202,838.79	\$18.00	\$119,826.00	\$25.00	\$166,425.00	\$40.00	\$266,280.00	\$15.00	\$99,855.00	\$58.00	\$386,106.00	\$19.00	\$126,483.00
3	SEWER CLEANING, 48" TO LESS THAN 60"	1,578	FEET	\$27.32	\$43,110.96	\$13.00	\$20,514.00	\$23.00	\$36,294.00	\$33.00	\$52,074.00	\$12.00	\$18,936.00	\$45.00	\$71,010.00	\$15.00	\$23,670.00
4	SEWER CLEANING, LESS THAN 48"	3,774	FEET	\$27.32	\$103,105.68	\$12.00	\$45,288.00	\$22.00	\$83,028.00	\$31.00	\$116,994.00	\$11.00	\$41,514.00	\$26.00	\$98,124.00	\$14.00	\$52,836.00
5	CURED-IN-PLACE PIPELINER, 72"	3,180	FEET	\$613.00	\$1,949,340.00	\$446.00	\$1,418,280.00	\$540.00	\$1,717,200.00	\$580.00	\$1,844,400.00	\$585.00	\$1,860,300.00	\$540.00	\$1,717,200.00	\$531.00	\$1,688,580.00
6	CURED-IN-PLACE PIPELINER, 69"	417	FEET	\$551.00	\$229,767.00	\$445.00	\$185,565.00	\$465.00	\$193,905.00	\$660.00	\$275,220.00	\$670.00	\$279,390.00	\$470.00	\$195,990.00	\$567.00	\$236,439.00
7	CURED-IN-PLACE PIPELINER, 68"	454	FEET	\$543.00	\$246,522.00	\$444.00	\$201,576.00	\$365.00	\$165,710.00	\$635.00	\$288,290.00	\$715.00	\$324,610.00	\$470.00	\$213,380.00	\$548.00	\$248,792.00
8	CURED-IN-PLACE PIPELINER, 60"	2,606	FEET	\$479.00	\$1,248,274.00	\$377.00	\$982,462.00	\$373.00	\$972,038.00	\$410.00	\$1,068,460.00	\$419.00	\$1,091,914.00	\$470.00	\$1,224,820.00	\$527.00	\$1,373,362.00
9	CURED-IN-PLACE PIPELINER, 57"	276	FEET	\$450.00	\$124,200.00	\$306.00	\$84,456.00	\$310.00	\$85,560.00	\$630.00	\$173,880.00	\$390.00	\$107,640.00	\$350.00	\$96,600.00	\$476.00	\$131,376.00
10	CURED-IN-PLACE PIPELINER, 54"	914	FEET	\$392.00	\$358,288.00	\$304.00	\$277,856.00	\$264.00	\$241,296.00	\$840.00	\$767,760.00	\$464.00	\$424,096.00	\$350.00	\$319,900.00	\$408.00	\$372,912.00
11	CURED-IN-PLACE PIPELINER, 48"	388	FEET	\$292.00	\$113,296.00	\$261.00	\$101,268.00	\$215.00	\$83,420.00	\$435.00	\$168,780.00	\$225.00	\$87,300.00	\$260.00	\$100,880.00	\$350.00	\$135,800.00
12	CURED-IN-PLACE PIPELINER, 42"	1,850	FEET	\$253.00	\$468,050.00	\$218.00	\$403,300.00	\$180.00	\$333,000.00	\$345.00	\$638,250.00	\$230.00	\$425,500.00	\$230.00	\$425,500.00	\$338.00	\$625,300.00
13	CURED-IN-PLACE PIPELINER, 40"	972	FEET	\$250.00	\$243,000.00	\$217.00	\$210,924.00	\$185.00	\$179,820.00	\$350.00	\$340,200.00	\$118.00	\$114,696.00	\$220.00	\$213,840.00	\$305.00	\$296,460.00
14	CURED-IN-PLACE PIPELINER, 36"	814	FEET	\$250.00	\$203,500.00	\$184.00	\$149,776.00	\$170.00	\$138,380.00	\$335.00	\$272,690.00	\$138.00	\$112,332.00	\$180.00	\$146,520.00	\$270.00	\$219,780.00
15	CURED-IN-PLACE PIPELINER, 34"	138	FEET	\$250.00	\$34,500.00	\$219.00	\$30,222.00	\$225.00	\$31,050.00	\$740.00	\$102,120.00	\$215.00	\$29,670.00	\$120.00	\$16,560.00	\$308.00	\$42,504.00
16	END SEAL, 72"	18	EACH	\$1,421.00	\$25,578.00	\$990.00	\$17,820.00	\$1,100.00	\$19,800.00	\$1,686.00	\$30,348.00	\$981.00	\$17,658.00	\$1,300.00	\$23,400.00	\$1,165.00	\$20,970.00
17	END SEAL, 69"	6	EACH	\$3,150.00	\$18,900.00	\$990.00	\$5,940.00	\$1,055.00	\$6,330.00	\$1,633.00	\$9,798.00	\$942.00	\$5,652.00	\$1,300.00	\$7,800.00	\$1,165.00	\$6,990.00
18	END SEAL, 68"	4	EACH	\$1,250.00	\$5,000.00	\$990.00	\$3,960.00	\$1,055.00	\$4,220.00	\$1,633.00	\$6,532.00	\$929.00	\$3,716.00	\$1,200.00	\$4,800.00	\$1,165.00	\$4,660.00
19	END SEAL, 60"	18	EACH	\$1,217.00	\$21,906.00	\$825.00	\$14,850.00	\$920.00	\$16,560.00	\$1,484.00	\$26,712.00	\$819.00	\$14,742.00	\$1,100.00	\$19,800.00	\$975.00	\$17,550.00
20	END SEAL, 57"	2	EACH	\$1,117.00	\$2,234.00	\$825.00	\$1,650.00	\$820.00	\$1,640.00	\$1,633.00	\$3,266.00	\$819.00	\$1,638.00	\$1,100.00	\$2,200.00	\$975.00	\$1,950.00
21	END SEAL, 54"	6	EACH	\$1,072.00	\$6,432.00	\$740.00	\$4,440.00	\$525.00	\$3,150.00	\$1,372.00	\$8,232.00	\$736.00	\$4,416.00	\$950.00	\$5,700.00	\$875.00	\$5,250.00
22	END SEAL, 48"	4	EACH	\$902.00	\$3,608.00	\$525.00	\$2,100.00	\$450.00	\$1,800.00	\$1,088.00	\$4,352.00	\$522.00	\$2,088.00	\$670.00	\$2,680.00	\$620.00	\$2,480.00
23	END SEAL, 42"	18	EACH	\$774.00	\$13,932.00	\$480.00	\$8,640.00	\$435.00	\$7,830.00	\$1,039.00	\$18,702.00	\$480.00	\$8,640.00	\$620.00	\$11,160.00	\$570.00	\$10,260.00
24	END SEAL, 40"	6	EACH	\$758.00	\$4,548.00	\$480.00	\$2,880.00	\$435.00	\$2,610.00	\$1,039.00	\$6,234.00	\$480.00	\$2,880.00	\$620.00	\$3,720.00	\$570.00	\$3,420.00
25	END SEAL, 36"	6	EACH	\$683.00	\$4,098.00	\$415.00	\$2,490.00	\$350.00	\$2,100.00	\$957.00	\$5,742.00	\$412.00	\$2,472.00	\$530.00	\$3,180.00	\$490.00	\$2,940.00
26	END SEAL, 34"	2	EACH	\$668.00	\$1,336.00	\$415.00	\$830.00	\$350.00	\$700.00	\$957.00	\$1,914.00	\$412.00	\$824.00	\$530.00	\$1,060.00	\$490.00	\$980.00
27	LATERAL REINSTATEMENT	291	EACH	\$310.00	\$90,210.00	\$100.00	\$29,100.00	\$1.00	\$291.00	\$380.00	\$110,580.00	\$290.00	\$84,390.00	\$540.00	\$157,140.00	\$67.00	\$19,497.00
28	FIBER REINFORCED CALCIUM ALUMINATE SHOTCRETE, 1/2" (FLOOR & ROOF)	843	SQ FT	\$100.00	\$84,300.00	\$18.00	\$15,174.00	\$11.75	\$9,905.25	\$12.00	\$10,116.00	\$26.00	\$21,918.00	\$26.00	\$21,918.00	\$22.00	\$18,546.00
29	FIBER REINFORCED CALCIUM ALUMINATE SHOTCRETE, 1/2" (WALLS & BARREL)	875	SQ FT	\$100.00	\$87,500.00	\$18.00	\$15,750.00	\$11.75	\$10,281.25	\$12.00	\$10,500.00	\$25.00	\$21,875.00	\$26.00	\$22,750.00	\$22.00	\$19,250.00
30	FIBER REINFORCED CALCIUM ALUMINATE SHOTCRETE, 2" (VERTICAL)	3,037	SQ FT	\$33.00	\$100,221.00	\$24.00	\$72,888.00	\$20.00	\$60,740.00	\$20.00	\$60,740.00	\$41.00	\$124,517.00	\$47.00	\$142,739.00	\$29.00	

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Item Number	Pay Item	Quantity	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
61	MANHOLE 8-30	1	LSUM	\$5,000.00	\$5,000.00	\$81.00	\$81.00	\$1,900.00	\$1,900.00	\$2,768.00	\$2,768.00	\$2,768.00	\$2,768.00	\$390.00	\$390.00	\$2,350.00	\$2,350.00
62	STRUCTURE 8-31	1	LSUM	\$4,000.00	\$4,000.00	\$81.00	\$81.00	\$1,500.00	\$1,500.00	\$2,867.00	\$2,867.00	\$9,498.00	\$9,498.00	\$260.00	\$260.00	\$4,700.00	\$4,700.00
63	TRAFFIC CONTROL COMPLETE	1	LSUM	\$100,000.00	\$100,000.00	\$19,000.00	\$19,000.00	\$80,000.00	\$80,000.00	\$21,914.00	\$21,914.00	\$38,243.00	\$38,243.00	\$162,000.00	\$162,000.00	\$325,715.00	\$325,715.00
64	ALLOWANCE FOR RAILROAD EXPENSES	1	LSUM	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
65	MANHOLE 7-45	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,700.00	\$2,700.00	\$5,092.00	\$5,092.00	\$2,937.00	\$2,937.00	\$720.00	\$720.00	\$5,080.00	\$5,080.00
66	MANHOLE 7-47	1	LSUM	\$2,000.00	\$2,000.00	\$146.00	\$146.00	\$2,700.00	\$2,700.00	\$4,380.00	\$4,380.00	\$4,988.00	\$4,988.00	\$720.00	\$720.00	\$3,530.00	\$3,530.00
67	MANHOLE 7-48	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,500.00	\$2,500.00	\$3,372.00	\$3,372.00	\$4,988.00	\$4,988.00	\$660.00	\$660.00	\$3,015.00	\$3,015.00
68	MANHOLE 7-49	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$1,900.00	\$1,900.00	\$3,083.00	\$3,083.00	\$2,362.00	\$2,362.00	\$460.00	\$460.00	\$2,385.00	\$2,385.00
69	MANHOLE 4-39	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$1,900.00	\$1,900.00	\$3,072.00	\$3,072.00	\$2,768.00	\$2,768.00	\$460.00	\$460.00	\$2,355.00	\$2,355.00
70	MANHOLE 4-41	1	LSUM	\$2,000.00	\$2,000.00	\$146.00	\$146.00	\$1,700.00	\$1,700.00	\$3,030.00	\$3,030.00	\$5,395.00	\$5,395.00	\$390.00	\$390.00	\$2,265.00	\$2,265.00
71	MANHOLE 4-42	1	LSUM	\$2,000.00	\$2,000.00	\$66.00	\$66.00	\$1,800.00	\$1,800.00	\$3,135.00	\$3,135.00	\$4,717.00	\$4,717.00	\$390.00	\$390.00	\$2,500.00	\$2,500.00
72	MANHOLE 4-43	1	LSUM	\$2,000.00	\$2,000.00	\$81.00	\$81.00	\$2,200.00	\$2,200.00	\$3,346.00	\$3,346.00	\$4,277.00	\$4,277.00	\$590.00	\$590.00	\$2,950.00	\$2,950.00
73	TEMPORARY BYPASS FACILITIES	1	LSUM	\$800,000.00	\$800,000.00	\$438,400.00	\$438,400.00	\$65,000.00	\$65,000.00	\$400,000.00	\$400,000.00	\$2,000,895.00	\$2,000,895.00	\$1,850,000.00	\$1,850,000.00	\$2,585,000.00	\$2,585,000.00
74	SPOT GROUTING	25	EACH	\$3,500.00	\$87,500.00	\$225.00	\$5,625.00	\$1,100.00	\$27,500.00	\$2,025.00	\$50,625.00	\$669.00	\$16,725.00	\$4,300.00	\$107,500.00	\$155.00	\$3,875.00
75	SPOT REPAIR	25	EACH	\$3,500.00	\$87,500.00	\$300.00	\$7,500.00	\$1,700.00	\$42,500.00	\$3,030.00	\$75,750.00	\$1,116.00	\$27,900.00	\$4,300.00	\$107,500.00	\$155.00	\$3,875.00
76	PIPE CONNECTION REPAIR, 12" AND LESS	10	EACH	\$2,500.00	\$25,000.00	\$325.00	\$3,250.00	\$1,100.00	\$11,000.00	\$4,262.00	\$42,620.00	\$1,674.00	\$16,740.00	\$1,200.00	\$12,000.00	\$99.00	\$990.00
77	PIPE CONNECTION REPAIR, OVER 12"	5	EACH	\$5,000.00	\$25,000.00	\$351.00	\$1,755.00	\$1,700.00	\$8,500.00	\$5,148.00	\$25,740.00	\$2,061.00	\$10,305.00	\$3,400.00	\$17,000.00	\$106.00	\$530.00
78	SPOT GROUTING, SPOT REPAIR AND PIPE CONNECTION REPAIR - GROUT COVERAGE	50	GAL	\$500.00	\$25,000.00	\$20.00	\$1,000.00	\$115.00	\$5,750.00	\$83.00	\$4,150.00	\$26.00	\$1,300.00	\$93.00	\$4,650.00	\$68.00	\$3,400.00
TOTAL BIDS (AS CORRECTED)				\$7,798,976.83		\$5,222,777.00		\$5,467,516.50		\$8,111,122.00		\$8,262,733.00		\$8,485,255.00		\$9,213,948.50	
Percent Over Under ENGINEER'S ESTIMATE						-33.03%		-29.89%		4.00%		5.95%		62.47%		68.52%	

  
Paul E. Caswell, P.E., City Engineer

  
Date