

City of Oregon, Ohio  
**Sanitary Sewer Rehabilitation Project Phase 4, Part B**



**Bid Tabulation**

Eng. Estimate: \$2,300,000.00

Date: 4/21/2017  
 Time: 2:00 P.M.  
 Opened by: Paul Roman, P.E.  
 Witness: D. Nelson, K. Wolfe, R Shultz  
 Bid Tab: J. McGorty

<b>United Survey, Inc</b> 25145 Broadway Oakwood Village, OH 44146	<b>Musson Bros, Inc</b> 4215 N. 124th St. Brookfield, WI 53005	<b>Liqui-Force Services (USA) Inc</b> 28529 Foddard Rd., Suite 106 Romulus, MI 43616	<b>Performance Pipelining, Inc</b> 1551 W. Norris Dr. Ottawa, IL 61350	<b>United Pipe Renewal, Inc</b> 6678 NW 62nd Avenue PO Box 347 Johnston, Iowa 50131	<b>Mr. Rehab</b> 3 Long Lane Mechanicsburg, PA 17050						
Penal Sum		10%		Penal Sum		Penal Sum		Penal Sum		10%	

Bid Item	Item Description	Quantity	Unit	Penal Sum		10%		Penal Sum		Penal Sum		Penal Sum		10%	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
<b>General Requirements</b>															
1	Mobilization	1	LS	\$5,000.00	\$5,000.00	\$161,000.00	\$161,000.00	\$15,000.00	\$15,000.00	\$135,000.00	\$135,000.00	\$87,000.00	\$87,000.00	\$31,000.00	\$31,000.00
2	Maintenance of Traffic (ODOT 614)	1	LS	\$5,000.00	\$5,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$50,000.00	\$50,000.00	\$76,800.00	\$76,800.00	\$68,450.00	\$68,450.00
3	Flow Diversion and By-Pass Pumping	1	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00	\$16,200.00	\$16,200.00	\$10,000.00	\$10,000.00
4	Restoration of Right-of-Way	1	LS	\$5,000.00	\$5,000.00	\$35,000.00	\$35,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00
5	Performance Bond	1	LS	\$5,000.00	\$5,000.00	\$65,000.00	\$65,000.00	\$35,000.00	\$35,000.00	\$23,570.50	\$23,570.50	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00
<b>Sewer Cleaning, T.V. Inspection, and Sewer Lining of Pipe Sewers</b>															
6	Pre-Rehabilitation Cleaning and Television Inspection of 15-Inch Sanitary Sewer Pipe	140	LF	\$3.00	\$420.00	\$4.00	\$560.00	\$4.00	\$560.00	\$3.00	\$420.00	\$3.00	\$420.00	\$1.98	\$277.20
7	Pre-Rehabilitation Cleaning and Television Inspection of 12-Inch Sanitary Sewer Pipe	2,568	LF	\$3.00	\$7,704.00	\$3.00	\$7,704.00	\$3.50	\$8,988.00	\$3.00	\$7,704.00	\$3.00	\$7,704.00	\$1.98	\$5,084.64
8	Pre-Rehabilitation Cleaning and Television Inspection of 10-Inch Sanitary Sewer Pipe	1,652	LF	\$3.00	\$4,956.00	\$3.00	\$4,956.00	\$3.50	\$5,782.00	\$3.00	\$4,956.00	\$2.40	\$3,964.80	\$1.98	\$3,270.96
9	Pre-Rehabilitation Cleaning and Television Inspection of 8-Inch Sanitary Sewer Pipe	7,125	LF	\$3.00	\$21,375.00	\$3.00	\$21,375.00	\$3.25	\$23,156.25	\$3.00	\$21,375.00	\$2.40	\$17,100.00	\$1.98	\$14,107.50
10	Post-Rehabilitation Cleaning and Television Inspection of 15-Inch Sanitary Sewer Pipe	140	LF	\$1.00	\$140.00	\$1.50	\$210.00	\$1.00	\$140.00	\$0.50	\$70.00	\$1.20	\$168.00	\$0.50	\$70.00
11	Post-Rehabilitation Cleaning and Television Inspection of 12-Inch Sanitary Sewer Pipe	2,568	LF	\$1.00	\$2,568.00	\$1.50	\$3,852.00	\$1.00	\$2,568.00	\$0.50	\$1,284.00	\$1.20	\$3,081.60	\$0.50	\$1,284.00
12	Post-Rehabilitation Cleaning and Television Inspection of 10-Inch Sanitary Sewer Pipe	1,652	LF	\$1.00	\$1,652.00	\$1.50	\$2,478.00	\$1.00	\$1,652.00	\$0.50	\$826.00	\$1.20	\$1,982.40	\$0.50	\$826.00
13	Post-Rehabilitation Cleaning and Television Inspection of 8-Inch Sanitary Sewer Pipe	7,125	LF	\$1.00	\$7,125.00	\$1.50	\$10,687.50	\$1.00	\$7,125.00	\$0.50	\$3,562.50	\$1.20	\$8,550.00	\$0.50	\$3,562.50
14	Trimming of Protruding Connections	10	EA	\$150.00	\$1,500.00	\$225.00	\$2,250.00	\$1.00	\$10.00	\$150.00	\$1,500.00	\$120.00	\$1,200.00	\$350.00	\$3,500.00
15	Install Cured-in-Place Pipe Liner in Existing 15-Inch Sanitary Sewer Pipe (9mm min. thickness)	140	LF	\$45.00	\$6,300.00	\$60.00	\$8,400.00	\$90.00	\$12,600.00	\$77.00	\$10,780.00	\$64.80	\$9,072.00	\$50.35	\$7,049.00
16	Install Cured-in-Place Pipe Liner in Existing 12-Inch Sanitary Sewer Pipe (7.5mm min. thickness)	2,568	LF	\$35.00	\$89,880.00	\$36.00	\$92,448.00	\$33.00	\$84,744.00	\$60.00	\$154,080.00	\$30.00	\$77,040.00	\$35.04	\$89,982.72
17	Install Cured-in-Place Pipe Liner in Existing 10-Inch Sanitary Sewer Pipe (6mm min. thickness)	1,652	LF	\$31.00	\$51,212.00	\$31.00	\$51,212.00	\$31.00	\$51,212.00	\$50.00	\$82,600.00	\$28.80	\$47,577.60	\$31.98	\$52,830.96
18	Install Cured-in-Place Pipe Liner in Existing 8-Inch Sanitary Sewer Pipe (6mm min. thickness)	7,125	LF	\$26.00	\$185,250.00	\$25.00	\$178,125.00	\$28.00	\$199,500.00	\$35.00	\$249,375.00	\$27.60	\$196,650.00	\$31.96	\$227,715.00
19	Reconnecting Service Connections	140	EA	\$25.00	\$3,500.00	\$55.00	\$7,700.00	\$150.00	\$21,000.00	\$100.00	\$14,000.00	\$90.00	\$12,600.00	\$150.86	\$21,120.40

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	<b>Rehabilitation of Laterals</b>														
20a	Installation of 6" Cleanout through sod, if required, and if residential cleanout does not exist outside of home, complete, brought to 4" below grade with watertight cleanout cap.	68	EA	\$625.00	\$42,500.00	\$2,600.00	\$176,800.00	\$1,450.00	\$98,600.00	\$1,950.00	\$132,600.00	\$2,800.00	\$190,400.00	\$795.00	\$54,060.00
20b	Installation of 6" Cleanout in pavement or stoned park areas, if required, and if residential cleanout does not exist outside of home, complete, brought to 4" below grade with watertight cleanout cap.	33	EA	\$750.00	\$24,750.00	\$3,500.00	\$115,500.00	\$1,716.80	\$56,654.40	\$2,400.00	\$79,200.00	\$3,200.00	\$105,600.00	\$1,038.80	\$34,280.40
21	CROSSOVER LATERAL LINING - T-Liner or an approved equal lateral lining system with Lateral Main Connection (LMC) seal in active crossover (long service) laterals, complete	43	EA	\$3,100.00	\$133,300.00	\$3,600.00	\$154,800.00	\$4,872.00	\$209,496.00	\$3,500.00	\$150,500.00	\$5,000.00	\$215,000.00	\$6,669.68	\$286,796.24
22	SEWERSIDE LATERAL LINING - T-Liner or an approved equal lateral lining system with Lateral Main Connection (LMC) seal in active sewerside (short service) laterals, complete	56	EA	\$2,600.00	\$145,600.00	\$3,125.00	\$175,000.00	\$4,408.00	\$246,848.00	\$2,800.00	\$156,800.00	\$3,700.00	\$207,200.00	\$2,501.13	\$140,063.28
23	SHORT MAINLINE / LATERAL CONNECTION LINER - short mainline / lateral connection liner system with Lateral Main Connection (LMC) seal in active laterals with deteriorated connections to the mainline, minimum 5' length, complete	31	EA	\$2,200.00	\$68,200.00	\$2,575.00	\$79,825.00	\$4,408.00	\$136,648.00	\$2,300.00	\$71,300.00	\$3,700.00	\$114,700.00	\$833.71	\$25,845.01
24a	PIPE SEWER POINT REPAIR - repair of 6" Service Connection Crossover Laterals (long service) in the City Right-of-Way - before lining, as needed, for lining feasibility, Estimated Depth: 10' - 16' (includes replacement of connection to the mainline sanitary sewer)	6	EA	\$12,250.00	\$73,500.00	\$15,950.00	\$95,700.00	\$13,630.00	\$81,780.00	\$12,000.00	\$72,000.00	\$14,100.00	\$84,600.00	\$12,455.00	\$74,730.00
24b	PIPE SEWER POINT REPAIR - repair of 6" Service Connection Crossover Laterals (long service) in the City Right-of-Way - before lining, as needed, for lining feasibility, Estimated Depth: 16' - 22' (includes replacement of connection to the mainline sanitary sewer)	2	EA	\$20,000.00	\$40,000.00	\$16,000.00	\$32,000.00	\$22,040.00	\$44,080.00	\$20,000.00	\$40,000.00	\$22,800.00	\$45,600.00	\$20,140.00	\$40,280.00
24c	PIPE SEWER POINT REPAIR - repair of 6" Service Connection Crossover Laterals (long service) in the City Right-of-Way - before lining, as needed, for lining feasibility, Estimated Depth: 10' - 16' (per linear foot, minimum 5' per repair)	50	LF	\$475.00	\$23,750.00	\$1,300.00	\$65,000.00	\$522.00	\$26,100.00	\$450.00	\$22,500.00	\$540.00	\$27,000.00	\$477.00	\$23,850.00
24d	PIPE SEWER POINT REPAIR - replacement of 6" Service Connection Sewerside Laterals (short service) in the City Right-of-Way, Estimated Depth: 10' - 16' (includes replacement of connection to the mainline sanitary sewer)	9	EA	\$11,000.00	\$99,000.00	\$14,850.00	\$133,650.00	\$12,180.00	\$109,620.00	\$11,000.00	\$99,000.00	\$12,600.00	\$113,400.00	\$11,130.00	\$100,170.00
24e	PIPE SEWER POINT REPAIR - replacement of 6" Service Connection Sewerside Laterals (short service) in the City Right-of-Way, Estimated Depth: 16' - 22' (includes replacement of connection to the mainline sanitary sewer)	5	EA	\$19,500.00	\$97,500.00	\$14,850.00	\$74,250.00	\$21,460.00	\$107,300.00	\$19,000.00	\$95,000.00	\$22,200.00	\$111,000.00	\$19,610.00	\$98,050.00

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				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
24f	PIPE SEWER POINT REPAIR - replacement of 6" vertical Chimney Risers in the City Right-of-Way, Estimated Depths: 15' - 25'	1	EA	\$25,000.00	\$25,000.00	\$23,000.00	\$23,000.00	\$28,420.00	\$28,420.00	\$25,000.00	\$25,000.00	\$29,400.00	\$29,400.00	\$25,970.00	\$25,970.00
25	LATERAL LINING - Misc. 6" lateral lining per linear foot as needed	50	LF	\$175.00	\$8,750.00	\$65.00	\$3,250.00	\$232.00	\$11,600.00	\$120.00	\$6,000.00	\$65.00	\$3,250.00	\$166.74	\$8,337.00
26	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #1	2	EA	\$4,500.00	\$9,000.00	\$8,500.00	\$17,000.00	\$5,684.00	\$11,368.00	\$3,500.00	\$7,000.00	\$7,500.00	\$15,000.00	\$3,001.36	\$6,002.72
27	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #2	2	EA	\$3,000.00	\$6,000.00	\$8,000.00	\$16,000.00	\$6,960.00	\$13,920.00	\$3,700.00	\$7,400.00	\$7,500.00	\$15,000.00	\$1,667.42	\$3,334.84
28	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #3	3	EA	\$7,000.00	\$21,000.00	\$8,900.00	\$26,700.00	\$7,540.00	\$22,620.00	\$6,300.00	\$18,900.00	\$7,500.00	\$22,500.00	\$3,501.58	\$10,504.74
29	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #4	2	EA	\$9,000.00	\$18,000.00	\$10,500.00	\$21,000.00	\$13,340.00	\$26,680.00	\$7,500.00	\$15,000.00	\$7,500.00	\$15,000.00	\$11,004.98	\$22,009.96
30	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #5	3	EA	\$4,000.00	\$12,000.00	\$12,000.00	\$36,000.00	\$17,980.00	\$53,940.00	\$10,000.00	\$30,000.00	\$7,500.00	\$22,500.00	\$14,339.82	\$43,019.46
31	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #6	3	EA	\$20,000.00	\$60,000.00	\$25,000.00	\$75,000.00	\$24,360.00	\$73,080.00	\$19,500.00	\$58,500.00	\$29,100.00	\$87,300.00	\$20,413.94	\$61,241.82
32	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #7	1	EA	\$8,000.00	\$8,000.00	\$12,000.00	\$12,000.00	\$13,920.00	\$13,920.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,503.39	\$7,503.39
33	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #8	1	EA	\$6,500.00	\$6,500.00	\$12,000.00	\$12,000.00	\$20,880.00	\$20,880.00	\$8,500.00	\$8,500.00	\$7,500.00	\$7,500.00	\$7,670.13	\$7,670.13
34	CHIMNEY RISER LINING - Chimney Riser Rehabilitation as Per Chimney Riser Lining Detail #9	2	EA	\$6,500.00	\$13,000.00	\$15,000.00	\$30,000.00	\$12,760.00	\$25,520.00	\$7,000.00	\$14,000.00	\$7,500.00	\$15,000.00	\$3,001.36	\$6,002.72
<b>Manhole Rehabilitation</b>															
35a	Sanitary Sewer Manhole Lining (Precast Manhole)	267	VLF	\$245.00	\$65,415.00	\$350.00	\$93,450.00	\$272.00	\$72,624.00	\$250.00	\$66,750.00	\$282.00	\$75,294.00	\$249.10	\$66,509.70
35b	Sanitary Sewer Manhole Lining (Metal Manhole)	379	VLF	\$275.00	\$104,225.00	\$325.00	\$123,175.00	\$153.12	\$58,032.48	\$240.00	\$90,960.00	\$270.00	\$102,330.00	\$240.00	\$90,960.00
36	Sanitary Sewer Manhole - Installed, Complete	39	VLF	\$550.00	\$21,450.00	\$355.00	\$13,845.00	\$609.00	\$23,751.00	\$400.00	\$15,600.00	\$630.00	\$24,570.00*	\$556.50	\$21,703.50
37	Sanitary Sewer Manhole Frame and Casting, Installed, Complete	3	EA	\$500.00	\$1,500.00	\$600.00	\$1,800.00	\$551.00	\$1,653.00	\$650.00	\$1,950.00	\$570.00	\$1,710.00	\$503.50	\$1,510.50
<b>TOTAL PROJECT BASE BID:</b>				<b>\$1,536,522.00</b>		<b>\$2,289,702.50</b>		<b>\$2,086,672.13</b>		<b>\$2,088,063.00</b>		<b>\$2,255,464.40*</b>		<b>\$1,830,536.29</b>	

\* Denotes a corrected value