

				Engineer's Estimate		Ric-Man Construction, Inc. 6850 Nineteen Mile Road Sterling Heights, MI 48314		Lanzo Trenchless Technologies, North 28135 Groesbeck Highway Roseville, MI 48066		Inland Water Pollution Control, Inc. 4086 Michigan Avenue Detroit, MI 48210	
Item	Description	Unit	Estimated Quantity	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost	Unit Price	Cost
130	Protective Fencing	LF	800.0	\$4.00	\$3,200.00	\$3.00	\$2,400.00	\$1.50	\$1,200.00	\$10.00	\$8,000.00
140	Exploratory Excavation (0-10' deep), Trench Detail I, Modified	Each	6.0	\$1,200.00	\$7,200.00	\$3,500.00	\$21,000.00	\$4,000.00	\$24,000.00	\$4,000.00	\$24,000.00
141	Exploratory Excavation (0-10' deep), Trench Detail VI	Each	6.0	\$1,100.00	\$6,600.00	\$5,000.00	\$30,000.00	\$4,000.00	\$24,000.00	\$4,500.00	\$27,000.00
201	General Conditions, Max. \$ 85,000	LS	1.0	\$85,000.00	\$85,000.00	\$85,000.00	\$85,000.00	\$72,000.00	\$72,000.00	\$65,000.00	\$65,000.00
202	Digital Audio Visual Coverage	LS	1.0	\$2,000.00	\$2,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$5,800.00	\$5,800.00
203	Minor Traffic Control, Modified, Max. \$10,000	LS	1.0	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00	\$10,000.00	\$10,000.00
204	Clean-Up & Restoration, Special	LS	1.0	\$8,000.00	\$8,000.00	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$26,000.00	\$26,000.00
205	"No Parking" Signs	Each	10.0	\$70.00	\$700.00	\$100.00	\$1,000.00	\$20.00	\$200.00	\$105.00	\$1,050.00
211	Remove and Replace 4 inch or 6 inch Sanitary Sewer Lead	LF	50.0	\$31.00	\$1,550.00	\$75.00	\$3,750.00	\$200.00	\$10,000.00	\$320.00	\$16,000.00
215	Sewer Cleaning and Video Inspection, 36 inch	LF	4933.0	\$40.00	\$197,320.00	\$7.00	\$34,531.00	\$7.00	\$34,531.00	\$7.50	\$36,997.50
216	Sewer Cleaning and Video Inspection, 42 inch	LF	4944.0	\$55.00	\$271,920.00	\$7.50	\$37,080.00	\$8.00	\$39,552.00	\$8.00	\$39,552.00
217	Manhole Cleaning and Video Inspection	Each	29.0	\$60.00	\$1,740.00	\$175.00	\$5,075.00	\$150.00	\$4,350.00	\$290.00	\$8,410.00
220	Sewer Preliner, 36 inch	LF	1230.0	\$30.00	\$36,900.00	\$3.00	\$3,690.00	\$20.00	\$24,600.00	\$6.00	\$7,380.00
221	Sewer Preliner, 42 inch	LF	1240.0	\$40.00	\$49,600.00	\$4.00	\$4,960.00	\$20.00	\$24,800.00	\$8.00	\$9,920.00
222	Sewer Lining, CIPP, 36 inch	LF	4933.0	\$90.00	\$443,970.00	\$130.00	\$641,290.00	\$148.00	\$730,084.00	\$168.00	\$828,744.00
223	Sewer Lining, CIPP, 42 inch	LF	4944.0	\$110.00	\$543,840.00	\$180.00	\$889,920.00	\$188.00	\$929,472.00	\$215.00	\$1,062,960.00
225	Manhole Rehabilitation	Each	29.0	\$1,200.00	\$34,800.00	\$1,000.00	\$29,000.00	\$1,250.00	\$36,250.00	\$1,500.00	\$43,500.00
226	Manhole Lining	VF	275.0	\$95.00	\$26,125.00	\$150.00	\$41,250.00	\$140.00	\$38,500.00	\$326.00	\$89,650.00
244	Structure Covers, Modified	LBS	11600.0	\$3.00	\$34,800.00	\$1.50	\$17,400.00	\$1.75	\$20,300.00	\$5.50	\$63,800.00
271	Portable, Changeable Message Sign, Furnish & Operate	Each	2.0	\$3,000.00	\$6,000.00	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00
272	Plastic Drum - Lighted, Furnish and Operate	Each	25.0	\$30.00	\$750.00	\$5.00	\$125.00	\$35.00	\$875.00	\$4.00	\$100.00
274	Temporary Type B Signs	SF	357.0	\$7.00	\$2,499.00	\$3.00	\$1,071.00	\$5.00	\$1,785.00	\$6.00	\$2,142.00
276	Lighted, High Intensity, Channelizing Device, 42 inch Furnish & Operate	Each	30.0	\$30.00	\$900.00	\$25.00	\$750.00	\$50.00	\$1,500.00	\$18.00	\$540.00
299	Temporary Access Road	LF	740.0	\$125.00	\$92,500.00	\$105.00	\$77,700.00	\$20.00	\$14,800.00	\$73.00	\$54,020.00
326	36 inch Class IV RCP Trench Detail VI	LF	100.0	\$150.00	\$15,000.00	\$160.00	\$16,000.00	\$90.00	\$9,000.00	\$750.00	\$75,000.00
327	42 inch Class IV RCP Trench Detail VI	LF	100.0	\$170.00	\$17,000.00	\$190.00	\$19,000.00	\$133.00	\$13,300.00	\$925.00	\$92,500.00
362	Type I Manhole 0-10 feet Deep 6 foot dia	Each	5.0	\$7,500.00	\$37,500.00	\$7,000.00	\$35,000.00	\$2,500.00	\$12,500.00	\$21,000.00	\$105,000.00
363	Type I Manhole Additional Depth, 6 foot dia	VF	6.0	\$2,550.00	\$15,300.00	\$330.00	\$1,980.00	\$250.00	\$1,500.00	\$2,100.00	\$12,600.00
386	Sewer Structure Abandonment	Each	2.0	\$325.00	\$650.00	\$1,800.00	\$3,600.00	\$3,500.00	\$7,000.00	\$8,800.00	\$17,600.00
564	Reconstruct Manhole	Each	4.0	\$2,800.00	\$11,200.00	\$2,000.00	\$8,000.00	\$4,500.00	\$18,000.00	\$5,000.00	\$20,000.00
566	Adjust Structure Cover	Each	10.0	\$900.00	\$9,000.00	\$500.00	\$5,000.00	\$700.00	\$7,000.00	\$450.00	\$4,500.00
703	Inlet Filter	Each	6.0	\$120.00	\$720.00	\$200.00	\$1,200.00	\$100.00	\$600.00	\$1,200.00	\$7,200.00
800	Silt Fence	LF	3300.0	\$3.00	\$9,900.00	\$2.00	\$6,600.00	\$1.00	\$3,300.00	\$4.00	\$13,200.00
					\$1,984,184.00			\$2,048,872.00	* \$2,120,999.00	\$2,779,165.50	

*Correct bid amount after math error was found.