DESIGN ENGINEER'S OPINION OF PROBABLE PROJECT COSTS

BID DATE: 1/10/23

TIME: 2:30 PM

ENGINEER ESTIMATE; $3,139,422.00

E.N.R. **13175.00**

						BID AVERAGING	LOCKHART CONCRETE 800 W. Waterloo Rd. Akron, OH 44314				S.E. 235 E. \ Lowellville	
ITEM	**DESCRIPTION**	**QUANTITY**	**UNIT**	**ENGINEER'S ESTIMATE UNIT COST**	**ENGINEER'S ESTIMATE TOTAL**	**AVERAGE LABOR & MATERIAL COST FOR 3 BIDDERS**	**UNIT LABOR**	**UNIT MATERIAL**	**UNIT LABOR & MATERIAL**	**ITEM BID TOTAL**	**UNIT LABOR**	**UNIT MATERIAL**
	SANITARY SEWER											
ODOT 201	CLEARING AND GRUBBING	1	LS	15,000.00	$15,000.00	$27,541.33	$ 15,000.00	$ 15,000.00	$ 30,000.00	$ 30,000.00	$ 25,000.00	$ -
ODOT 624	MOBILIZATION/DEMOBILIZATION	1	LS	50,000.00	$50,000.00	$189,263.33	$ 30,000.00	$ 30,000.00	$ 60,000.00	$ 60,000.00	$ 168,000.00	$ 13,490.00
6D	FOUNDATION UNDERCUT - BF W/304 LS	45	CY	105.00	$4,725.00	$171.65	$ 1.00	$ 0.55	$ 1.55	$ 69.75	$ 35.00	$ 60.00
14	6" SDR 35 GRAVITY SEWER	50	LF	200.00	$10,000.00	$274.40	$ 393.50	$ 28.50	$ 422.00	$ 21,100.00	$ 160.00	$ 50.00
14	8" SDR 35 GRAVITY SEWER	1,207	LF	300.00	$362,100.00	$351.10	$ 384.00	$ 62.00	$ 446.00	$ 538,322.00	$ 325.00	$ 50.00
14	10" SDR 35 GRAVITY SEWER	100	LF	350.00	$35,000.00	$560.53	$ 466.00	$ 90.00	$ 556.00	$ 55,600.00	$ 815.00	$ 60.00
14	12" SDR 35 GRAVITY SEWER	1,396	LF	400.00	$558,400.00	$404.03	$ 411.00	$ 102.00	$ 513.00	$ 716,148.00	$ 295.00	$ 80.00
14	15" SDR 35 GRAVITY SEWER	1,266	LF	450.00	$569,700.00	$404.87	$ 391.00	$ 200.00	$ 591.00	$ 748,206.00	$ 176.00	$ 85.00
14	6" LATERAL REINSTATE IN MH	5	EA	200.00	$1,000.00	$2,250.33	$ 2,405.00	$ 95.00	$ 2,500.00	$ 12,500.00	$ 1,500.00	$ 110.00
14	8" LATERAL REINSTATE IN MANHOLE	1	EA	200.00	$200.00	$2,301.33	$ 3,390.00	$ 110.00	$ 3,500.00	$ 3,500.00	$ 500.00	$ 115.00
14B	HOUSE SERVICE SHORT (COMPLETE)	31	EA	2,300.00	$71,300.00	$6,328.33	$ 3,362.00	$ 838.00	$ 4,200.00	$ 130,200.00	$ 4,535.00	$ 1,500.00
16	TYPE A MANHOLE, COMPLETE (<12ft.)	8	EA	7,000.00	$56,000.00	$6,623.67	$ 2,250.00	$ 2,250.00	$ 4,500.00	$ 36,000.00	$ 2,500.00	$ 4,000.00
16	TYPE A MANHOLE, COMPLETE (>12ft.)	2	EA	9,500.00	$19,000.00	$8,846.00	$ 2,250.00	$ 2,250.00	$ 4,500.00	$ 9,000.00	$ 3,700.00	$ 4,000.00
16D	MH ROAD CASTING & LOGO LID	27	EA	770.00	$20,790.00	$2,356.00	$ 530.00	$ 970.00	$ 1,500.00	$ 40,500.00	$ 2,000.00	$ 2,500.00
16D	EASEMENT WATER TIGHT CASTING AND LID	2	EA	770.00	$1,540.00	$2,384.67	$ 962.00	$ 538.00	$ 1,500.00	$ 3,000.00	$ 2,000.00	$ 2,500.00
16X	MH LINING	19	EA	5,500.00	$104,500.00	$3,456.00	$ 1,225.00	$ 1,223.00	$ 2,448.00	$ 46,512.00	$ 900.00	$ 1,700.00
19A	STORM CATCH BASIN	1	EA	5,000.00	$5,000.00	$3,207.00	$ 2,100.00	$ 900.00	$ 3,000.00	$ 3,000.00	$ 1,700.00	$ 1,000.00
19B	STORM SEWER 12" AND LESS	40	LF	100.00	$4,000.00	$146.17	$ 198.75	$ 26.25	$ 225.00	$ 9,000.00	$ 53.00	$ 45.00
21N	ASPHALT RD REPAIR - FULL WIDTH	7,985	SY	75.00	$598,875.00	$23.37	$ 8.00	$ 9.00	$ 17.00	$ 135,745.00	$ 11.50	$ 15.00
21X	ASPHALT RD REPAIR - TRENCH	183	SY	75.00	$13,725.00	$259.07	$ 250.00	$ 210.00	$ 460.00	$ 84,180.00	$ 150.00	$ 50.00
21X	ASPHALT DRIVEWAY REPAIR	610	SY	75.00	$45,750.00	$69.00	$ 4.00	$ 56.00	$ 60.00	$ 36,600.00	$ 55.00	$ 10.00
22	TREE REMOVAL	3	EA	2,000.00	$6,000.00	$2,386.00	$ 1,500.00	$ 1,500.00	$ 3,000.00	$ 9,000.00	$ 3,500.00	$ -
25	TOP SOIL & SEEDING	3,035	SY	5.00	$15,175.00	$6.93	$ 2.15	$ 0.35	$ 2.50	$ 7,587.50	$ 4.00	$ 8.00
40	PRE CCTV FOR 8" - 15" SEWER LINE	1,717	LF	3.00	$5,151.00	$5.42	$ 1.00	$ 1.00	$ 2.00	$ 3,434.00	$ 5.00	$ -
40	POST CCTV FOR 8" - 15" SEWER LINE	5,676	LF	3.00	$17,028.00	$4.00	$ 1.00	$ 1.00	$ 2.00	$ 11,352.00	$ 3.50	$ -
46A	MANHOLE REMOVAL	1	EA	500.00	$500.00	$1,091.67	$ 750.00	$ 750.00	$ 1,500.00	$ 1,500.00	$ 600.00	$ -
46B	SEWER PIPELINE ABANDONMENT	593	LF	5.00	$2,965.00	$155.03	$ 445.40	$ 4.60	$ 450.00	$ 266,850.00	$ 3.00	$ 8.00
46C	BULKHEAD INSTALLED ON SEWER INVERT	1	EA	100.00	$100.00	$1,856.67	$ 1,044.00	$ 156.00	$ 1,200.00	$ 1,200.00	$ 1,300.00	$ 1,200.00
50	8" CIPP	867	LF	34.00	$29,478.00	$58.40	$ 21.00	$ 21.00	$ 42.00	$ 36,414.00	$ 24.00	$ 24.00
50	GROUTING CIPP WORK, ENTIRE PROJECT	100	GAL	160.00	$16,000.00	$35.27	$ 10.00	$ 10.00	$ 20.00	$ 2,000.00	$ 12.00	$ 12.00
50	8" SERVICE CONNECTION & TOP HAT INSTALLATION	9	EA	2,000.00	$18,000.00	$4,038.33	$ 3,239.00	$ 761.00	$ 4,000.00	$ 36,000.00	$ 3,000.00	$ 1,500.00
51	BYPASS PUMPING, COMPLETE	1	LS	70,000.00	$70,000.00	$113,973.67	$ 20,000.00	$ 20,000.00	$ 40,000.00	$ 40,000.00	$ 67,500.00	$ 5,000.00
12019	PRE CLEANING FOR 8" - 12" SEWER LINE	1,717	LF	5.00	$8,585.00	$8.43	$ 3.00	$ 3.00	$ 6.00	$ 10,302.00	$ 7.00	$ -
52	POST CLEANING FOR 8" - 12" SEWER LINE	1,717	LF	5.00	$8,585.00	$5.27	$ 1.00	$ 1.00	$ 2.00	$ 3,434.00	$ 3.00	$ -
58	TRAFFIC CONTROL	1	LS	25,000.00	$25,000.00	$118,387.97	$ 29,785.40	$ 10,000.00	$ 39,785.40	$ 39,785.40	$ 59,897.50	$ -
64-SPECIAL	8" PIPE BURST (FUSIBLE PVC OR HDPE PER ADDENDUM 1)	412	LF	125.00	$51,500.00	$396.47	$ 145.00	$ 145.00	$ 290.00	$ 119,480.00	$ 380.00	$ 40.00
64-SPECIAL	10" PIPE BURST (FUSIBLE PVC OR HDPE PER ADDENDUM 1)	242	LF	150.00	$36,300.00	$450.33	$ 153.50	$ 153.50	$ 307.00	$ 74,294.00	$ 417.00	$ 75.00
64-SPECIAL	12" PIPE BURST (FUSIBLE PVC OR HDPE PER ADDENDUM 1)	196	LF	175.00	$34,300.00	$493.33	$ 162.50	$ 162.50	$ 325.00	$ 63,700.00	$ 405.00	$ 100.00
	CONTINGENCY (8%)	1	LS	248,150.00	$248,150.00				$ -	$ -		
		SUBTOTAL SANITARY SEWER			**$3,139,422.00**					**$ 3,445,515.65**		

SCSE Engineers Estimate

Low bidder Total Bid Pricing

DESIGN ENGINEER'S OPINION OF PR	T. Inc			WENGER EXCAVATING			
BID DATE: 1/10/23	Vater St.			26 N. Cocharn St.			
TIME: 2:30 PM	, OH 44436			Po Box 499 Dalton, OH 44618			
ITEM	**DESCRIPTION**	**UNIT LABOR & MATERIAL**	**ITEM BID TOTAL**	**UNIT LABOR**	**UNIT MATERIAL**	**UNIT LABOR & MATERIAL**	**ITEM BID TOTAL**
	SANITARY SEWER						
ODOT 201	CLEARING AND GRUBBING	$ 25,000.00	$ 25,000.00	$ 27,624.00	$ -	$ 27,624.00	$ 27,624.00
ODOT 624	MOBILIZATION/DEMOBILIZATION	$ 181,490.00	$ 181,490.00	$ 141,232.00	$ 185,068.00	$ 326,300.00	$ 326,300.00
6D	FOUNDATION UNDERCUT - BF W/304 LS	$ 95.00	$ 4,275.00	$ 279.60	$ 138.80	$ 418.40	$ 18,828.00
14	6" SDR 35 GRAVITY SEWER	$ 210.00	$ 10,500.00	$ 111.40	$ 79.80	$ 191.20	$ 9,560.00
14	8" SDR 35 GRAVITY SEWER	$ 375.00	$ 452,625.00	$ 127.70	$ 104.60	$ 232.30	$ 280,386.10
14	10" SDR 35 GRAVITY SEWER	$ 875.00	$ 87,500.00	$ 133.20	$ 117.40	$ 250.60	$ 25,060.00
14	12" SDR 35 GRAVITY SEWER	$ 375.00	$ 523,500.00	$ 147.90	$ 176.20	$ 324.10	$ 452,443.60
14	15" SDR 35 GRAVITY SEWER	$ 261.00	$ 330,426.00	$ 169.80	$ 192.80	$ 362.60	$ 459,051.60
14	6" LATERAL REINSTATE IN MH	$ 1,610.00	$ 8,050.00	$ 1,762.00	$ 879.00	$ 2,641.00	$ 13,205.00
14	8" LATERAL REINSTATE IN MANHOLE	$ 615.00	$ 615.00	$ 1,812.00	$ 977.00	$ 2,789.00	$ 2,789.00
14B	HOUSE SERVICE SHORT (COMPLETE)	$ 6,035.00	$ 187,085.00	$ 4,788.00	$ 3,962.00	$ 8,750.00	$ 271,250.00
16	TYPE A MANHOLE, COMPLETE (<12ft.)	$ 6,500.00	$ 52,000.00	$ 2,879.00	$ 5,992.00	$ 8,871.00	$ 70,968.00
16	TYPE A MANHOLE, COMPLETE (>12ft.)	$ 7,700.00	$ 15,400.00	$ 4,602.00	$ 9,736.00	$ 14,338.00	$ 28,676.00
16D	MH ROAD CASTING & LOGO LID	$ 4,500.00	$ 121,500.00	$ 311.00	$ 757.00	$ 1,068.00	$ 28,836.00
16D	EASEMENT WATER TIGHT CASTING AND LID	$ 4,500.00	$ 9,000.00	$ 311.00	$ 843.00	$ 1,154.00	$ 2,308.00
16X	MH LINING	$ 2,600.00	$ 49,400.00	$ 1,979.00	$ 3,341.00	$ 5,320.00	$ 101,080.00
19A	STORM CATCH BASIN	$ 2,700.00	$ 2,700.00	$ 1,179.00	$ 2,742.00	$ 3,921.00	$ 3,921.00
19B	STORM SEWER 12" AND LESS	$ 98.00	$ 3,920.00	$ 59.80	$ 55.70	$ 115.50	$ 4,620.00
21N	ASPHALT RD REPAIR - FULL WIDTH	$ 26.50	$ 211,602.50	$ 8.70	$ 17.90	$ 26.60	$ 212,401.00
21X	ASPHALT RD REPAIR - TRENCH	$ 200.00	$ 36,600.00	$ 47.40	$ 69.80	$ 117.20	$ 21,447.60
21X	ASPHALT DRIVEWAY REPAIR	$ 65.00	$ 39,650.00	$ 26.80	$ 55.20	$ 82.00	$ 50,020.00
22	TREE REMOVAL	$ 3,500.00	$ 10,500.00	$ 658.00	$ -	$ 658.00	$ 1,974.00
25	TOP SOIL & SEEDING	$ 12.00	$ 36,420.00	$ 4.55	$ 1.75	$ 6.30	$ 19,120.50
40	PRE CCTV FOR 8" - 15" SEWER LINE	$ 5.00	$ 8,585.00	$ 8.25	$ 1.00	$ 9.25	$ 15,882.25
40	POST CCTV FOR 8" - 15" SEWER LINE	$ 3.50	$ 19,866.00	$ 5.50	$ 1.00	$ 6.50	$ 36,894.00
46A	MANHOLE REMOVAL	$ 600.00	$ 600.00	$ 978.00	$ 197.00	$ 1,175.00	$ 1,175.00
46B	SEWER PIPELINE ABANDONMENT	$ 11.00	$ 6,523.00	$ 2.20	$ 1.90	$ 4.10	$ 2,431.30
46C	BULKHEAD INSTALLED ON SEWER INVERT	$ 2,500.00	$ 2,500.00	$ 768.00	$ 1,102.00	$ 1,870.00	$ 1,870.00
50	8" CIPP	$ 48.00	$ 41,616.00	$ 29.80	$ 55.40	$ 85.20	$ 73,868.40
50	GROUTING CIPP WORK, ENTIRE PROJECT	$ 24.00	$ 2,400.00	$ 17.80	$ 44.00	$ 61.80	$ 6,180.00
50	8" SERVICE CONNECTION & TOP HAT INSTALLATION	$ 4,500.00	$ 40,500.00	$ 1,178.00	$ 2,437.00	$ 3,615.00	$ 32,535.00
51	BYPASS PUMPING, COMPLETE	$ 72,500.00	$ 72,500.00	$ 129,888.00	$ 99,533.00	$ 229,421.00	$ 229,421.00
12019	PRE CLEANING FOR 8" - 12" SEWER LINE	$ 7.00	$ 12,019.00	$ 9.90	$ 2.40	$ 12.30	$ 21,119.10
52	POST CLEANING FOR 8" - 12" SEWER LINE	$ 3.00	$ 5,151.00	$ 8.60	$ 2.20	$ 10.80	$ 18,543.60
58	TRAFFIC CONTROL	$ 59,897.50	$ 59,897.50	$ 143,039.00	$ 112,442.00	$ 255,481.00	$ 255,481.00
64-SPECIAL	8" PIPE BURST (FUSIBLE PVC OR HDPE PER ADDENDUM 1)	$ 420.00	$ 173,040.00	$ 259.60	$ 219.80	$ 479.40	$ 197,512.80
64-SPECIAL	10" PIPE BURST (FUSIBLE PVC OR HDPE PER ADDENDUM 1)	$ 492.00	$ 119,064.00	$ 307.30	$ 244.70	$ 552.00	$ 133,584.00
64-SPECIAL	12" PIPE BURST (FUSIBLE PVC OR HDPE PER ADDENDUM 1)	$ 505.00	$ 98,980.00	$ 358.60	$ 291.40	$ 650.00	$ 127,400.00
	CONTINGENCY (8%)	$ -	$ -			$ -	$ -
			$ 3,063,000.00				**$ 3,585,766.85**

SCSE Engineers Estimate

Low bidder Total Bid Pricing