



Line	Pay Item	Description	Unit	Total Estimated Quantity	ENGINEER'S ESTIMATE		HOFFMAN BROTHERS INC. 8574 VERONA RD. BATTLE CREEK, MI 49014		BAILEY EXCAVATING INC. 1073 TORO DRIVE JACKSON, MI 49201		ROTHENBERGER COMPANY 13380 M60 CONCORD, MI 49237	
					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
1	1500001	Mobilization, Max \$80,000.00	LSUM	1.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	80,000.00	75,300.00	75,300.00
2	2020002	Tree, Rem, 19 inch to 36 inch	Ea	4.00	2,000.00	8,000.00	1,150.00	4,600.00	1,207.50	4,830.00	950.00	3,800.00
3	2020004	Tree, Rem, 6 inch to 18 inch	Ea	11.00	630.00	6,930.00	275.00	3,025.00	288.75	3,176.25	450.00	4,950.00
4	2020008	Stump, Rem, 6 inch to 18 inch	Ea	2.00	225.00	450.00	95.00	190.00	99.75	199.50	306.24	612.48
5	2030011	Dr Structure, Rem	Ea	2.00	450.00	900.00	290.80	581.60	425.00	850.00	470.00	940.00
6	2030015	Sewer, Rem, Less than 24 inch	Ft	24.00	20.00	480.00	40.85	980.40	29.55	709.20	25.00	600.00
7	2040020	Curb and Gutter, Rem	Ft	2,972.00	7.50	22,290.00	3.02	8,975.44	7.10	21,101.20	6.01	17,861.72
8	2040045	Masonry and Conc Structure, Rem	Cyd	3.00	125.00	375.00	148.70	446.10	27.50	82.50	158.25	474.75
9	2040055	Sidewalk, Rem	Syd	1,131.00	8.00	9,048.00	6.65	7,521.15	9.14	10,337.34	4.91	5,553.21
10	2040080	Exploratory Investigation, Vertical	Ft	50.00	55.00	2,750.00	18.60	930.00	90.00	4,500.00	53.28	2,664.00
11	2047001	Pavt Sawcut	Ft	2,400.00	3.00	7,200.00	3.51	8,424.00	3.45	8,280.00	6.28	15,072.00
12	2047011	Driveway, Rem	Syd	486.00	8.00	3,888.00	6.51	3,163.86	10.23	4,971.78	6.76	3,285.36
13	2047011	Pavt, Rem, Modified	Syd	11,311.00	8.00	90,488.00	5.70	64,472.70	9.12	103,156.32	13.97	158,014.67
14	2047051	Tree Preservation	LSUM	1.00	900.00	900.00	11,210.00	11,210.00	999.00	999.00	1,500.00	1,500.00
15	2050018	Excavation, Rock	Cyd	10.00	75.00	750.00	76.05	760.50	75.00	750.00	150.00	1,500.00
16	2050031	Non Haz Contaminated Material Handling and Disposal, LM	Cyd	20.00	80.00	1,600.00	54.60	1,092.00	75.00	1,500.00	70.00	1,400.00
17	2050041	Subgrade Undercutting, Type II	Cyd	250.00	37.00	9,250.00	25.30	6,325.00	42.50	10,625.00	30.95	7,737.50
18	2057002	Roadway Grading, Special	Sta	31.00	2,400.00	74,400.00	1,003.00	31,093.00	1,455.00	45,105.00	1,505.70	46,676.70
19	2080016	Erosion Control, Gravel Access Approach	Ea	4.00	1,300.00	5,200.00	651.70	2,606.80	1,699.00	6,796.00	923.24	3,692.96
20	2087050	Erosion Control, Inlet Protection, Grate Filter, Rectangular	Ea	42.00	125.00	5,250.00	56.80	2,385.60	145.00	6,090.00	69.61	2,923.62
21	2087050	Erosion Control, Inlet Protection, Sediment Trap, Rectangular	Ea	4.00	150.00	600.00	128.40	513.60	175.00	700.00	119.61	478.44
22	2090001	Project Cleanup	LSUM	1.00	5,000.00	5,000.00	5,041.00	5,041.00	7,500.00	7,500.00	5,000.00	5,000.00
23	3020020	Aggregate Base, 8 inch	Syd	11,724.00	10.00	117,240.00	6.95	81,481.80	8.10	94,964.40	9.32	109,267.68
24	3060021	Maintenance Gravel, LM	Cyd	423.00	24.00	10,152.00	9.24	3,908.52	25.75	10,892.25	26.78	11,327.94
25	4021260	Trench Undercut and Backfill	Cyd	30.00	52.00	1,560.00	37.35	1,120.50	49.50	1,485.00	56.30	1,689.00
26	4027001	Sewer Backfill, Class II	Ft	30.00	18.00	540.00	20.00	600.00	34.55	1,036.50	23.63	708.90



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					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
27	4027001	Sewer, CI E, 12 inch	Ft	30.00	56.00	1,680.00	77.05	2,311.50	56.50	1,695.00	77.02	2,310.60
28	4027001	Sewer, DI, Pressure Class 350, 8 inch	Ft	30.00	70.00	2,100.00	78.35	2,350.50	59.20	1,776.00	78.04	2,341.20
29	4027050	Sewer Lateral Repair	Ea	10.00	800.00	8,000.00	463.10	4,631.00	275.00	2,750.00	395.69	3,956.90
30	4030005	Dr Structure Cover, Adj, Case 1	Ea	30.00	380.00	11,400.00	315.20	9,456.00	475.00	14,250.00	350.00	10,500.00
31	4030280	Dr Structure, Adj, Add Depth	Ft	3.00	260.00	780.00	178.10	534.30	125.00	375.00	175.00	525.00
32	4030312	Dr Structure, Tap, 12 inch	Ea	2.00	420.00	840.00	219.00	438.00	375.00	750.00	250.00	500.00
33	4037050	Catch Basin Cover, Curb	Ea	2.00	650.00	1,300.00	715.10	1,430.20	799.00	1,598.00	746.08	1,492.16
34	4037050	Catch Basin, 24 inch dia	Ea	1.00	1,100.00	1,100.00	1,044.00	1,044.00	1,125.00	1,125.00	1,102.10	1,102.10
35	4037050	Catch Basin, 48 inch dia	Ea	1.00	1,600.00	1,600.00	1,287.00	1,287.00	1,650.00	1,650.00	1,694.30	1,694.30
36	4037050	Dr Structure, Temp Lowering, Modified	Ea	30.00	200.00	6,000.00	218.40	6,552.00	275.00	8,250.00	150.00	4,500.00
37	4037050	Mh Cover, Std	Ea	30.00	520.00	15,600.00	298.90	8,967.00	479.00	14,370.00	648.92	19,467.60
38	5010025	Hand Patching	Ton	20.00	155.00	3,100.00	165.00	3,300.00	173.25	3,465.00	257.00	5,140.00
39	5010033	HMA, 13A	Ton	2,797.00	80.00	223,760.00	81.50	227,955.50	88.58	247,758.26	85.93	240,346.21
40	5017011	HMA Surface, Rem, Modified	Syd	360.00	5.00	1,800.00	6.84	2,462.40	8.21	2,955.60	7.64	2,750.40
41	6020015	Conc Base Cse, Nonreinf, 6 inch	Syd	12.00	35.00	420.00	35.20	422.40	31.50	378.00	31.00	372.00
42	6030005	Cement	Ton	3.00	210.00	630.00	175.00	525.00	183.75	551.25	175.00	525.00
43	8010005	Driveway, Nonreinf Conc, 6 inch	Syd	486.00	39.00	18,954.00	28.70	13,948.20	27.30	13,267.80	26.65	12,951.90
44	8020038	Curb and Gutter, Conc, Det F4	Ft	2,972.00	20.00	59,440.00	14.00	41,608.00	11.92	35,426.24	11.50	34,178.00
45	8030010	Detectable Warning Surface	Ft	90.00	33.00	2,970.00	32.00	2,880.00	33.60	3,024.00	32.00	2,880.00
46	8030034	Sidewalk Ramp, Conc, 4 inch	Sft	2,478.00	5.00	12,390.00	4.60	11,398.80	4.20	10,407.60	4.25	10,531.50
47	8030044	Sidewalk, Conc, 4 inch	Sft	5,701.00	4.40	25,084.40	3.19	18,186.19	2.73	15,563.73	2.85	16,247.85
48	8030046	Sidewalk, Conc, 6 inch	Sft	2,000.00	5.10	10,200.00	3.44	6,880.00	3.00	6,000.00	3.10	6,200.00
49	8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	16.00	75.00	1,200.00	80.00	1,280.00	118.13	1,890.08	80.00	1,280.00
50	8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	16.00	15.00	240.00	5.00	80.00	7.88	126.08	5.00	80.00
51	8120170	Minor Traf Devices	LSUM	1.00	10,000.00	10,000.00	67,695.00	67,695.00	5,000.00	5,000.00	8,603.00	8,603.00
52	8120250	Plastic Drum, High Intensity, Furn	Ea	50.00	20.00	1,000.00	14.00	700.00	28.35	1,417.50	14.00	700.00



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53	8120251	Plastic Drum, High Intensity, Oper	Ea	50.00	1.00	50.00	1.00	50.00	3.15	157.50	1.00	50.00
54	8120350	Sign, Type B, Temp, Prismatic, Furn	Ea	1,018.00	5.00	5,090.00	1.00	1,018.00	4.89	4,978.02	1.00	1,018.00
55	8120351	Sign, Type B, Temp, Prismatic, Oper	Ea	1,018.00	1.00	1,018.00	1.00	1,018.00	0.32	325.76	1.00	1,018.00
56	8127050	Pedestrian Type II Barricade, Temp	Ea	8.00	150.00	1,200.00	75.00	600.00	133.88	1,071.04	75.00	600.00
57	8150001	Site Preparation, Max \$500.00	LSUM	1.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00
58	8150002	Watering and Cultivating, First Season, Min \$1,200.00	LSUM	1.00	1,200.00	1,200.00	2,000.00	2,000.00	1,200.00	1,200.00	1,200.00	1,200.00
59	8150003	Watering and Cultivating, Second Season, Min \$1,200.00	LSUM	1.00	1,200.00	1,200.00	2,000.00	2,000.00	1,200.00	1,200.00	1,200.00	1,200.00
60	8157050	Acer rubrum 'Red Sunset', 2-1/2 inch	Ea	3.00	800.00	2,400.00	663.00	1,989.00	1,299.00	3,897.00	1,015.00	3,045.00
61	8157050	Gleditsia Triacanthos Inermis 'Skyline', 2-1/2 inch	Ea	5.00	800.00	4,000.00	557.00	2,785.00	1,078.00	5,390.00	980.00	4,900.00
62	8157050	Pyras Calleryana 'Cleveland Select', 2-1/2 inch	Ea	4.00	800.00	3,200.00	402.00	1,608.00	951.00	3,804.00	850.00	3,400.00
63	8160027	Mulch Blanket	Syd	20.00	6.00	120.00	1.00	20.00	4.25	85.00	2.75	55.00
64	8167011	Hydromulch	Syd	6,934.00	2.00	13,868.00	0.29	2,010.86	1.10	7,627.40	0.84	5,824.56
65	8167011	Topsoil Surface, 4 inch	Syd	6,934.00	5.00	34,670.00	2.43	16,849.62	4.96	34,392.64	4.40	30,509.60
66	8167030	Fertilizer, Chemical Nutrient, Cl A, Modified	Lb	650.00	3.00	1,950.00	1.50	975.00	2.31	1,501.50	2.10	1,365.00
67	8167030	Seeding, Mixture THM, Modified	Lb	925.00	9.00	8,325.00	3.10	2,867.50	6.82	6,308.50	6.20	5,735.00
68	8230391	Gate Box, Adj, Temp, Case 1	Ea	15.00	275.00	4,125.00	115.40	1,731.00	215.00	3,225.00	150.00	2,250.00
69	8230431	Gate Box, Adj, Case 1	Ea	14.00	350.00	4,900.00	193.00	2,702.00	385.00	5,390.00	150.00	2,100.00
70	8237001	Hydrant Extension	Ft	3.00	650.00	1,950.00	555.20	1,665.60	755.00	2,265.00	560.40	1,681.20
71	8237001	Sanitary Sewer Video Inspection, Post-Construction	Ft	2,925.00	1.00	2,925.00	1.25	3,656.25	1.55	4,533.75	1.00	2,925.00
72	8237001	Sanitary Sewer Video Inspection, Pre-Construction	Ft	2,925.00	1.00	2,925.00	1.25	3,656.25	1.55	4,533.75	1.00	2,925.00
73	8237001	Water Main Backfill, Class II	Ft	2,975.00	22.00	65,450.00	10.00	29,750.00	33.79	100,525.25	4.50	13,387.50
74	8237001	Water Main, 12 inch	Ft	80.00	100.00	8,000.00	162.50	13,000.00	72.50	5,800.00	120.76	9,660.80
75	8237001	Water Main, 8 inch	Ft	2,895.00	65.00	188,175.00	65.40	189,333.00	59.20	171,384.00	86.71	251,025.45



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76	8237001	Water Main, Dir Bore, 8 inch	Ft	917.00	100.00	91,700.00	92.00	84,364.00	86.36	79,192.12	86.71	79,513.07
77	8237050	Gate Valve and Box, 12 inch, Modified	Ea	2.00	2,700.00	5,400.00	2,887.00	5,774.00	2,679.00	5,358.00	2,534.14	5,068.28
78	8237050	Gate Valve and Box, 8 inch, Modified	Ea	14.00	1,700.00	23,800.00	2,089.00	29,246.00	2,115.36	29,615.04	1,407.70	19,707.80
79	8237050	Hydrant Assembly	Ea	9.00	5,000.00	45,000.00	4,789.00	43,101.00	3,526.10	31,734.90	5,302.27	47,720.43
80	8237050	Hydrant, Rem, Modified	Ea	5.00	500.00	2,500.00	480.20	2,401.00	515.00	2,575.00	641.81	3,209.05
81	8237050	Sanitary Sewer Video Inspection, Post-Construction, Lateral Launch	Ea	42.00	30.00	1,260.00	150.00	6,300.00	130.00	5,460.00	100.00	4,200.00
82	8237050	Sanitary Sewer Video Inspection, Pre-Construction, Lateral Launch	Ea	42.00	30.00	1,260.00	150.00	6,300.00	130.00	5,460.00	100.00	4,200.00
83	8237050	Water Main Insertion Valve, 10 inch	Ea	1.00	21,000.00	21,000.00	10,560.00	10,560.00	10,740.00	10,740.00	13,392.17	13,392.17
84	8237050	Water Main Insertion Valve, 6 inch	Ea	2.00	15,000.00	30,000.00	6,861.00	13,722.00	6,697.50	13,395.00	7,049.78	14,099.56
85	8237050	Water Main, Connect New 12 inch to Existing 10 inch	Ea	2.00	4,000.00	8,000.00	3,698.00	7,396.00	3,455.00	6,910.00	5,238.49	10,476.98
86	8237050	Water Main, Connect New 8 inch to Existing 6 inch	Ea	6.00	3,000.00	18,000.00	2,699.00	16,194.00	2,515.00	15,090.00	2,854.89	17,129.34
87	8237050	Water Main, Connect New 8 inch to Existing 8 inch	Ea	3.00	3,500.00	10,500.00	2,533.00	7,599.00	3,120.00	9,360.00	3,404.53	10,213.59
88	8237050	Water Main, Cut and Plug, 10 inch	Ea	2.00	900.00	1,800.00	764.40	1,528.80	510.00	1,020.00	1,103.16	2,206.32
89	8237050	Water Main, Cut and Plug, 6 inch	Ea	7.00	700.00	4,900.00	564.50	3,951.50	410.00	2,870.00	833.91	5,837.37
90	8237050	Water Main, Cut and Plug, 8 inch	Ea	3.00	800.00	2,400.00	714.40	2,143.20	475.00	1,425.00	833.91	2,501.73
91	8237050	Water Serv, 1 inch	Ea	30.00	1,800.00	54,000.00	1,400.00	42,000.00	579.00	17,370.00	1,701.77	51,053.10
92	8237050	Water Serv, Long, 1 inch	Ea	37.00	2,800.00	103,600.00	2,486.00	91,982.00	999.00	36,963.00	2,161.02	79,957.74
93	8237050	Water Serv, Reconnect, 1 inch	Ea	2.00	600.00	1,200.00	575.70	1,151.40	425.00	850.00	977.33	1,954.66
94	8230148	Flowable Fill, Non-Structural	Cyd	8.00	100.00	800.00	239.80	1,918.40	175.00	1,400.00	134.80	1,078.40
95	8507001	Sanitary Sewer Backfill, Class II	Ft	24.00	52.00	1,248.00	25.00	600.00	47.99	1,151.76	27.99	671.76
96	8507001	Sanitary Sewer, SDR26 PVC, 12 inch	Ft	24.00	120.00	2,880.00	116.70	2,800.80	95.10	2,282.40	94.34	2,264.16
		TOTAL BID				1,675,318.40		1,432,589.74		1,476,774.71		1,597,037.27