

Line	Pay Item	Description	Unit	Total Estimated Quantity	ENGINEER'S ESTIMATE		BAILEY EXCAVATING, 12073 TORO DRIVE JACKSON, MI 49201		DUNIGAN BROTHERS 911 E. SOUTH ST. JACKSON, MI 49203	
					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
1	1500001	Mobilization, Max \$100,000.00	LSUM	1.00	100,000.00	100,000.00	100,000.00	100,000.00	53,030.00	53,030.00
2	2020004	Tree, Rem, 6 inch to 18 inch	Ea	13.00	650.00	8,450.00	650.00	8,450.00	388.10	5,045.30
3	2030011	Dr Structure, Rem	Ea	6.00	500.00	3,000.00	525.00	3,150.00	261.90	1,571.40
4	2030015	Sewer, Rem, Less than 24 inch	Ft	115.00	21.00	2,415.00	24.99	2,873.85	13.80	1,587.00
5	2037001	Gas Main, Rem	Ft	35.00	30.00	1,050.00	25.00	875.00	13.80	483.00
6	2040020	Curb and Gutter, Rem	Ft	1,540.00	10.00	15,400.00	9.15	14,091.00	3.50	5,390.00
7	2040021	Curb, Rem	Ft	20.00	10.00	200.00	9.15	183.00	3.50	70.00
8	2040045	Masonry and Conc Structure, Rem	Cyd	5.00	100.00	500.00	100.00	500.00	122.20	611.00
9	2040055	Sidewalk, Rem	Syd	1,606.00	10.00	16,060.00	7.50	12,045.00	3.50	5,621.00
10	2040080	Exploratory Investigation, Vertical	Ft	20.00	75.00	1,500.00	100.00	2,000.00	46.00	920.00
11	2047001	Pavt Sawcut	Ft	1,490.00	5.00	7,450.00	4.25	6,332.50	2.00	2,980.00
12	2047011	Driveway Rem	Syd	417.00	12.00	5,004.00	8.10	3,377.70	3.50	1,459.50
13	2047011	Pavt, Rem, Modified	Syd	2,877.00	15.00	43,155.00	10.50	30,208.50	5.20	14,960.40
14	2047021	Track Base, Rem	Cyd	200.00	150.00	30,000.00	42.00	8,400.00	24.50	4,900.00
15	2050018	Excavation, Rock	Cyd	5.00	70.00	350.00	100.00	500.00	116.70	583.50
16	2050031	Non Haz Contaminated Material Handling and Disposal, LM	Cyd	12.00	68.00	816.00	75.00	900.00	43.90	526.80
17	2050041	Subgrade Undercutting, Type II	Cyd	100.00	45.00	4,500.00	45.00	4,500.00	21.50	2,150.00
18	2057002	Roadway Grading, Special	Sta	7.00	3,000.00	21,000.00	1,723.36	12,063.54	9,411.50	65,880.50
19	2057051	Tree Preservation	LSUM	1.00	600.00	600.00	1,500.00	1,500.00	4,458.50	4,458.50
20	2080016	Erosion Control, Gravel Access Approach	Ea	2.00	5,000.00	10,000.00	3,500.00	7,000.00	634.60	1,269.20
21	2087050	Erosion Control, Inlet Protection, Grate Filter, Circular	Ea	2.00	150.00	300.00	175.00	350.00	59.60	119.20
22	2087050	Erosion Control, Inlet Protection, Grate Filter, Rectangular	Ea	17.00	150.00	2,550.00	175.00	2,975.00	59.60	1,013.20
23	2090001	Project Cleanup	LSUM	1.00	5,000.00	5,000.00	25,000.00	25,000.00	9,533.90	9,533.90
24	3020020	Aggregate Base, 8 inch	Syd	3,761.00	10.00	37,610.00	10.15	38,174.15	12.20	45,884.20
25	3060020	Maintenance Gravel	Ton	30.00	30.00	900.00	25.00	750.00	28.10	843.00
26	4021204	Sewer Tap, 12 inch	Ea	1.00	750.00	750.00	350.00	350.00	634.60	634.60
27	4021206	Sewer Tap, 18 inch	Ea	1.00	1,000.00	1,000.00	475.00	475.00	634.60	634.60
28	4021260	Trench Undercut and Backfill	Cyd	10.00	30.00	300.00	50.00	500.00	40.30	403.00

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					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
29	4027001	Sanitary Manhole, Add Depth of 48 inch dia, 8 feet to 15 feet	Ft	3.00	450.00	1,350.00	250.00	750.00	127.40	382.20
30	4027001	Sanitary Sewer Backfill, Class II	Ft	562.00	27.00	15,174.00	77.78	43,712.36	31.60	17,759.20
31	4027001	Sanitary Sewer, SDR 15 PVC, 15 inch	Ft	562.00	200.00	112,400.00	74.10	41,644.20	134.90	75,813.80
32	4027001	Sanitary Sewer, Service Connection beyond 10 feet	Ft	463.00	140.00	64,820.00	56.10	25,974.30	59.00	27,317.00
33	4027001	Sewer Backfill, Class II	Ft	357.00	25.00	8,925.00	27.60	9,853.20	48.40	17,278.80
34	4027001	Sewer, CI E, 12 inch	Ft	269.00	60.00	16,140.00	47.90	12,885.10	101.10	27,195.90
35	4027001	Sewer, DI, 8 inch	Ft	88.00	75.00	6,600.00	47.10	4,144.80	92.80	8,166.40
36	4027050	Sanitary Manhole, 48 inch dia	Ea	3.00	1,500.00	4,500.00	2,250.00	6,750.00	3,008.00	9,024.00
37	4027050	Sanitary Sewer, Service Connection with 15 inch x 10 inch Wye	Ea	2.00	2,000.00	4,000.00	765.12	1,530.24	1,601.50	3,203.00
38	4027050	Sanitary Sewer, Service Connection with 15 inch x 6 inch Wye	Ea	8.00	1,500.00	12,000.00	690.88	5,527.04	1,145.50	9,164.00
39	4027050	Sanitary Sewer, Service Connection with 15 inch x 8 inch Wye	Ea	2.00	1,500.00	3,000.00	820.36	1,640.72	1,459.00	2,918.00
40	4027050	Sewer Lateral Repair	Ea	4.00	250.00	1,000.00	1,250.00	5,000.00	680.60	2,722.40
41	4030005	Dr Structure Cover, Adj, Case 1	Ea	19.00	500.00	9,500.00	515.00	9,785.00	355.10	6,746.90
42	4030006	Dr Structure Cover, Adj, Case 2	Ea	4.00	400.00	1,600.00	400.00	1,600.00	355.10	1,420.40
43	4030280	Dr Structure, Adj, Add Depth	Ft	1.00	400.00	400.00	500.00	500.00	230.00	230.00
44	4030312	Dr Structure, Tap, 12 inch	Ea	4.00	750.00	3,000.00	450.00	1,800.00	634.60	2,538.40
45	4037050	Catch Basin Cover, Curb	Ea	9.00	600.00	5,400.00	725.00	6,525.00	782.80	7,045.20
46	4037050	Catch Basin, 24 inch dia	Ea	1.00	900.00	900.00	1,250.00	1,250.00	1,265.50	1,265.50
47	4037050	Catch Basin, 48 inch	Ea	7.00	1,500.00	10,500.00	1,650.00	11,550.00	1,770.00	12,390.00
48	4037050	Dr Structure, Temp Lowering, Modified	Ea	14.00	250.00	3,500.00	375.00	5,250.00	160.60	2,248.40
49	4037050	Mh, Cover, Std	Ea	16.00	500.00	8,000.00	525.00	8,400.00	701.80	11,228.80
50	4037050	Storm Manhole, 48 inch	Ea	1.00	2,000.00	2,000.00	1,650.00	1,650.00	2,773.00	2,773.00
51	5010025	Hand Patching	Ton	40.00	150.00	6,000.00	170.50	6,820.00	180.70	7,228.00
52	5010033	HMA, 13A	Ton	882.00	95.00	83,790.00	101.50	89,523.00	106.10	93,580.20
53	6030005	Cement	Ton	1.00	250.00	250.00	231.00	231.00	232.80	232.80
54	8010005	Driveway, Nonreinf Conc, 6 inch	Syd	351.00	40.00	14,040.00	39.82	13,976.82	40.10	14,075.10
55	8020002	Curb, Conc, Det E2	Ft	97.00	25.00	2,425.00	13.42	1,301.74	13.50	1,309.50
56	8020038	Curb and Gutter, Conc, Det F4	Ft	1,630.00	20.00	32,600.00	17.98	29,307.40	18.10	29,503.00

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					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
57	8030010	Detectable Warning Surface	Ft	29.00	40.00	1,160.00	77.18	2,238.22	77.60	2,250.40
58	8030030	Curb Ramp Opening, Conc	Ft	36.00	25.00	900.00	17.64	635.04	17.70	637.20
59	8030036	Sidewalk Ramp, Conc, 6 inch	Sft	605.00	6.00	3,630.00	5.07	3,067.35	5.10	3,085.50
60	8030044	Sidewalk, Conc, 4 inch	Sft	10,250.00	3.50	35,875.00	3.31	33,927.50	3.30	33,825.00
61	8030046	Sidewalk, Conc, 6 inch	Sft	2,530.00	4.25	10,752.50	4.53	11,460.90	4.60	11,638.00
62	8100402	Sign, Type III, Erect, Salv	Ea	9.00	20.00	180.00	47.25	425.25	59.90	539.10
63	8100403	Sign, Type III, Rem	Ea	15.00	20.00	300.00	31.50	472.50	33.30	499.50
64	8100404	Sign, Type IIIA	Sft	12.00	15.00	180.00	18.90	226.80	18.90	226.80
65	8100405	Sign, Type IIIB	Sft	54.00	15.00	810.00	18.90	1,020.60	18.90	1,020.60
66	8107050	Perforated Steel Square Tube Breakaway System	Ea	14.00	400.00	5,600.00	63.00	882.00	277.20	3,880.80
67	8110045	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	Ft	24.00	10.00	240.00	9.45	226.80	10.00	240.00
68	8110063	Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	Ea	1.00	150.00	150.00	157.50	157.50	166.30	166.30
69	8110068	Pavt Mrkg, Ovly Cold Plastic, Only	Ea	1.00	150.00	150.00	157.50	157.50	166.30	166.30
70	8110231	Pavt Mrkg, Waterborne, 4 inch, White	Ft	581.00	0.50	290.50	0.79	458.99	0.80	464.80
71	8110232	Pavt Mrkg, Waterborne, 4 inch, Yellow	Ft	1,577.00	0.50	788.50	0.79	1,245.83	0.80	1,261.60
72	8110251	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	Ft	581.00	0.25	145.25	0.42	244.02	0.40	232.40
73	8110252	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	Ft	1,577.00	0.25	394.25	0.43	678.11	0.40	630.80
74	8110343	Rem Spec Mrkg	Sft	265.00	2.60	689.00	3.10	821.50	3.30	874.50
75	8117001	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Crosswalk	Ft	296.00	8.00	2,368.00	7.35	2,175.60	7.80	2,308.80
76	8117001	Pavt Mrkg, Waterborne, 4 inch, Blue	Ft	60.00	0.75	45.00	2.05	123.00	2.20	132.00
77	8120022	Barricade, Type III, High Intensity, Lighted, Furn	Ea	3.00	100.00	300.00	75.60	226.80	149.70	449.10
78	8120023	Barricade, Type III, High Intensity, Lighted, Oper	Ea	3.00	1.00	3.00	5.04	15.12	27.70	83.10
79	8120100	Dust Palliative, Applied	Ton	1.00	400.00	400.00	100.00	100.00	174.60	174.60
80	8120170	Minor Traf Devices	LSUM	1.00	4,000.00	4,000.00	7,500.00	7,500.00	5,123.50	5,123.50
81	8120250	Plastic Drum, High Intensity, Furn	Ea	30.00	15.00	450.00	22.18	665.40	22.20	666.00

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					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
82	8120251	Plastic Drum, High Intensity, Oper	Ea	30.00	1.00	30.00	2.02	60.60	1.10	33.00
83	8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	170.00	3.00	510.00	3.62	615.40	3.90	663.00
84	8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	170.00	1.00	170.00	0.51	86.70	0.30	51.00
85	8120352	Sign, Type B, Temp, Prismatic, Special, Furn	Sft	81.00	5.00	405.00	3.73	302.13	4.40	356.40
86	8120353	Sign, Type B, Temp, Prismatic, Special, Oper	Sft	81.00	1.00	81.00	0.51	41.31	0.30	24.30
87	8120370	Traf Regulator Control	LSUM	1.00	5,000.00	5,000.00	5,000.00	5,000.00	1,910.50	1,910.50
88	8150002	Watering and Cultivating, First Season, Min \$1,500.00	LSUM	1.00	4,500.00	4,500.00	2,500.00	2,500.00	1,722.00	1,722.00
89	8150003	Watering and Cultivating, Second Season, Min \$1,500.00	LSUM	1.00	4,500.00	4,500.00	2,500.00	2,500.00	1,722.00	1,722.00
90	8157050	Gleditsia triacanthos inermis Skyline, 4-5 inch	Ea	17.00	1,000.00	17,000.00	1,650.00	28,050.00	1,848.00	31,416.00
91	8157050	Hosta Francee, #2 cont.	Ea	821.00	25.00	20,525.00	24.39	20,024.19	54.00	44,334.00
92	8157050	Panicum virgatum Rostrahlbush, #2 cont.	Ea	358.00	35.00	12,530.00	32.29	11,559.82	45.90	16,432.20
93	8157050	Rosa radRazz Knock Out, #2 cont.	Ea	84.00	35.00	2,940.00	39.85	3,347.40	58.50	4,914.00
94	8157050	Zelkova serratta Green Vase, 4-5 inch	Ea	7.00	1,000.00	7,000.00	1,665.00	11,655.00	1,779.00	12,453.00
95	8160055	Sodding	Syd	602.00	5.00	3,010.00	5.81	3,497.62	11.50	6,923.00
96	8160062	Topsoil Surface, Furn, 4 inch	Syd	602.00	5.00	3,010.00	5.50	3,311.00	8.40	5,056.80
97	8167011	Shredded Mulch	Syd	660.00	1.00	660.00	12.60	8,316.00	12.60	8,316.00
98	8167021	Plant mix	Cyd	75.00	90.00	6,750.00	50.00	3,750.00	71.20	5,340.00
99	8197001	Conductor, THWN, in Conduit, 600 V 1C, #4, AWG	Ft	13,446.00	4.00	53,784.00	1.70	22,858.20	2.30	30,925.80
100	8197001	Conduit, 1 inch, RMC (Empty)	Ft	55.00	10.00	550.00	21.67	1,191.85	21.30	1,171.50
101	8197001	Conduit, 3 inch, Sch 80/PVC (Empty)	Ft	3,012.00	17.00	51,204.00	12.78	38,493.36	10.50	31,626.00
102	8197001	Equipment Grounding Conductor, in Conduit, 1C, #4 AWG	Ft	1,506.00	3.00	4,518.00	1.63	2,454.78	2.30	3,463.80
103	8197050	Concrete Base for Light Pole, 66 inch	Ea	17.00	2,000.00	34,000.00	1,302.40	22,140.80	1,440.50	24,488.50
104	8197050	Hand Hole, Polymer Conc, 11 inch x 18 inch	Ea	25.00	550.00	13,750.00	495.00	12,375.00	573.20	14,330.00
105	8197050	Light, Decorative, Install	Ea	17.00	2,500.00	42,500.00	450.00	7,650.00	721.80	12,270.60

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					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
106	8197050	Light, Decorative, Salvage	Ea	12.00	500.00	6,000.00	175.00	2,100.00	277.20	3,326.40
107	8197050	Light, Street, Salvage	Ea	4.00	750.00	3,000.00	175.00	700.00	277.20	1,108.80
108	8197050	Lighting Control Panel, Ground Mounted	Ea	1.00	6,000.00	6,000.00	6,351.20	6,351.20	13,920.00	13,920.00
109	8197050	Receptacle, Tree	Ea	26.00	400.00	10,400.00	247.50	6,435.00	1,101.00	28,626.00
110	8197060	Consumers Energy Service Fees	Dlr	1,500.00	1.00	1,500.00	1.00	1,500.00	1.00	1,500.00
111	8230381	Water Shutoff, Adj, Temp, Case 1	Ea	5.00	400.00	2,000.00	295.00	1,475.00	349.10	1,745.50
112	8230391	Gate Box, Adj, Temp, Case 1	Ea	5.00	200.00	1,000.00	295.00	1,475.00	178.70	893.50
113	8230392	Gate Box, Adj, Temp, Case 2	Ea	2.00	150.00	300.00	250.00	500.00	178.70	357.40
114	8230431	Gate Box, Adj, Case 1	Ea	6.00	300.00	1,800.00	355.00	2,130.00	238.36	1,430.16
115	8237001	Hydrant Extension	Ft	4.00	600.00	2,400.00	515.00	2,060.00	789.70	3,158.80
116	8237001	Water Main, Rem	Ft	30.00	30.00	900.00	42.00	1,260.00	17.50	525.00
117	8237050	Backflow Preventer	Ea	1.00	750.00	750.00	750.00	750.00	2,632.50	2,632.50
118	8237050	Hydrant, Relocate, Case 2	Ea	1.00	2,000.00	2,000.00	2,150.00	2,150.00	2,300.00	2,300.00
119	8237050	Irrigation Control Cabinet	Ea	1.00	4,500.00	4,500.00	2,515.00	2,515.00	5,544.00	5,544.00
120	8237050	Irrigation Control Cabinet, Fdn	Ea	1.00	1,500.00	1,500.00	1,250.00	1,250.00	1,633.00	1,633.00
121	8237001	Irrigation Pipe Sleeve , 3"	Ft	200.00	15.00	3,000.00	7.15	1,430.00	13.30	2,660.00
122	8237001	Irrigation Pipe Sleeve, 4"	Ft	400.00	15.00	6,000.00	9.25	3,700.00	13.80	5,520.00
123	8237050	Irrigation Valve	Ea	13.00	70.00	910.00	125.30	1,628.90	554.40	7,207.20
124	8237050	Sprinkler Head, 1.5 Pop Up	Ea	6.00	53.00	318.00	121.00	726.00	22.20	133.20
125	8237050	Sprinkler Head, 10' Radius	Ea	26.00	53.00	1,378.00	60.00	1,560.00	22.20	577.20
126	8237050	Sprinkler Head, 12' Radius	Ea	2.00	53.00	106.00	60.00	120.00	22.20	44.40
127	8237050	Sprinkler Head, 15' Radius	Ea	39.00	53.00	2,067.00	60.00	2,340.00	22.20	865.80
128	8237050	Sprinkler Head, 2.0 Pop Up	Ea	11.00	53.00	583.00	125.00	1,375.00	22.20	244.20
129	8237050	Sprinkler Head, 2.5 Pop Up	Ea	6.00	53.00	318.00	125.00	750.00	22.20	133.20
130	8237050	Sprinkler Head, 5' Radius	Ea	4.00	53.00	212.00	70.00	280.00	22.20	88.80
131	8237050	Sprinkler Head, 8' Radius	Ea	21.00	53.00	1,113.00	75.00	1,575.00	22.20	466.20
132	8237050	Sprinkler Head, Relocate	Ea	10.00	65.00	650.00	100.00	1,000.00	55.40	554.00
133	8237050	Sprinkler Head, Replace	Ea	10.00	75.00	750.00	100.00	1,000.00	55.40	554.00
134	8237050	Water Meter	Ea	1.00	400.00	400.00	1,250.00	1,250.00	2,618.50	2,618.50
135	8237050	Water Meter Connection	Ea	1.00	750.00	750.00	920.00	920.00	831.60	831.60
136	8237050	Water Serv, Long, 2 inch	Ea	1.00	2,500.00	2,500.00	1,410.00	1,410.00	5,876.00	5,876.00
137	8260148	Flowable Fill, Non-Structural	Cyd	5.00	120.00	600.00	175.00	875.00	130.80	654.00



**BID TABULATION**  
**FOR**  
**ENG19-02 MICHIGAN AVENUE RECONSTRUCTION**  
**MARCH 12, 2019**

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					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
138	8507001	Sprinkler Lateral Line, 1"	Ft	230.00	5.25	1,207.50	1.20	276.00	5.00	1,150.00
139	8507001	Sprinkler Lateral Line, 1.5"	Ft	1,584.00	5.25	8,316.00	1.37	2,170.08	5.00	7,920.00
140	8507001	Sprinkler Lateral Line, 2"	Ft	260.00	5.25	1,365.00	1.56	405.60	5.00	1,300.00
141	8507001	Sprinkler Main Line, 1.5"	Ft	130.00	6.00	780.00	1.37	178.10	5.00	650.00
142	8507001	Sprinkler Main Line, 2"	Ft	930.00	6.00	5,580.00	1.56	1,450.80	5.00	4,650.00
143	8507030	Water Main Fittings, DI	Lb	300.00	9.50	2,850.00	5.55	1,665.00	5.00	1,500.00
				<b>Estimate Total:</b>		<b>1,198,205.50</b>		<b>978,076.33</b>		<b>1,072,742.16</b>