



CITY OF MUSKEGON SPRING STREET SEWER REROUTE AND BOURDON STREET ALLEY SEWER MICHIGAN EGLE SRF PROJECT NO. 5675-01; MICHIGAN EGLE DWRF PROJECT NO. 7449-01; CITY OF MUSKEGON PROJECTS NO. S-91850 & S-91851									
Tabulation of Bids Opened July 1, 2019				Engineer's Estimate		Jackson-Merkey Contractors, Inc.		Kamminga and Roodvoets, Inc.	
ITEM	ITEM DESCRIPTION	UNIT	EST	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	Audio Visual Filming	LSUM	1	\$3,500.00	\$3,500.00	\$1,700.00	\$1,700.00	\$4,685.00	\$4,685.00
2	Mobilization, Max	LSUM	1	\$210,000.00	\$210,000.00	\$222,550.00	\$222,550.00	\$238,900.00	\$238,900.00
3	Dr Structure, Rem	Ea	42	\$350.00	\$14,700.00	\$785.00	\$32,970.00	\$285.00	\$11,970.00
4	Sewer, Rem, Less than 24 inch	Ft	1268	\$12.00	\$15,216.00	\$23.00	\$29,164.00	\$17.00	\$21,556.00
5	Sewer, Rem, 24 inch to 48 inch	Ft	591	\$20.00	\$11,820.00	\$43.00	\$25,413.00	\$20.00	\$11,820.00
6	Sewer, Rem, Over 48 inch	Ft	423	\$35.00	\$14,805.00	\$60.00	\$25,380.00	\$23.00	\$9,729.00
7	Abandon Existing 12 inch Sewer	Ft	155	\$4.00	\$620.00	\$10.00	\$1,550.00	\$7.30	\$1,131.50
8	Abandon Existing 24 inch Sewer	Ft	1226	\$10.00	\$12,260.00	\$23.00	\$28,198.00	\$21.75	\$26,665.50
9	Curb and Gutter, Rem	Ft	3139	\$7.56	\$23,730.84	\$4.75	\$14,910.25	\$4.55	\$14,282.45
10	Sidewalk, Rem	Syd	348	\$8.51	\$2,961.48	\$6.00	\$2,088.00	\$9.30	\$3,236.40
11	Pavt, Rem, Modified	Syd	11805	\$8.00	\$94,440.00	\$3.00	\$35,415.00	\$3.35	\$39,546.75
12	Non Haz Contaminated Material Handling and Disposal, LM	Cyd	2963	\$26.77	\$79,307.66	\$50.00	\$148,150.00	\$51.25	\$151,853.75
13	Machine Grading, Modified	Sta	32	\$1,500.00	\$48,000.00	\$2,950.00	\$94,400.00	\$4,500.00	\$144,000.00
14	Helical Pile	Ea	20	\$3,500.00	\$70,000.00	\$2,200.00	\$44,000.00	\$2,500.00	\$50,000.00
15	Helical Pile, Load Test	Ea	1	\$500.00	\$500.00	\$6,000.00	\$6,000.00	\$6,000.00	\$6,000.00
16	Dewatering System	LSUM	1	\$50,000.00	\$50,000.00	\$225,750.00	\$225,750.00	\$350,000.00	\$350,000.00
17	Helical Pile Equipment, Furn	LSUM	1	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00
18	Surcharge Roadway	LSUM	1	\$50,000.00	\$50,000.00	\$72,000.00	\$72,000.00	\$45,000.00	\$45,000.00
19	Erosion Control, Check Dam, Stone	Ft	3	\$100.00	\$300.00	\$215.00	\$645.00	\$75.00	\$225.00
20	Erosion Control, Inlet Protection, Fabric Drop	Ea	34	\$100.00	\$3,400.00	\$130.00	\$4,420.00	\$150.00	\$5,100.00
21	Erosion Control, Silt Fence	Ft	1000	\$3.00	\$3,000.00	\$3.00	\$3,000.00	\$2.50	\$2,500.00
22	Subbase, CIP	Cyd	3595	\$20.00	\$71,900.00	\$1.00	\$3,595.00	\$9.50	\$34,152.50
23	Aggregate Base, 5 inch	Syd	1361	\$6.00	\$8,166.00	\$6.50	\$8,846.50	\$9.00	\$12,249.00
24	Aggregate Base, 10 inch	Syd	10533	\$11.50	\$121,129.50	\$10.75	\$113,229.75	\$14.00	\$147,462.00
25	Backfill, Lightweight, Iron Blast Furnace Slag Aggregate, LM	Cyd	1360	\$70.00	\$95,200.00	\$45.00	\$61,200.00	\$45.00	\$61,200.00
26	Aggregate Surface Cse, 6 inch	Syd	73	\$8.00	\$584.00	\$13.25	\$967.25	\$11.50	\$839.50
27	Aggregate Surface Cse, 8 inch	Syd	400	\$9.00	\$3,600.00	\$14.00	\$5,600.00	\$12.00	\$4,800.00
28	Maintenance Gravel, LM	Cyd	100	\$15.00	\$1,500.00	\$13.00	\$1,300.00	\$40.00	\$4,000.00
29	Shoulder, Cl, 1, 6 inch	Syd	90	\$8.00	\$720.00	\$21.00	\$1,890.00	\$14.00	\$1,260.00
30	Culv End Sect, 12 inch	Ea	2	\$350.00	\$700.00	\$1,100.00	\$2,200.00	\$650.00	\$1,300.00
31	Sewer Tap, 8 inch	Ea	1	\$250.00	\$250.00	\$500.00	\$500.00	\$1,000.00	\$1,000.00
32	Sewer Tap, 10 inch	Ea	1	\$287.00	\$287.00	\$550.00	\$550.00	\$1,100.00	\$1,100.00
33	Sewer Tap, 30 inch	Ea	1	\$500.00	\$500.00	\$1,360.00	\$1,360.00	\$2,500.00	\$2,500.00
34	Video Taping Sewer and Culv Pipe	Ft	5009	\$2.00	\$10,018.00	\$2.00	\$10,018.00	\$3.00	\$15,027.00
35	Sanitary Sewer, PVC, 12 inch	Ft	15	\$70.00	\$1,050.00	\$285.00	\$4,275.00	\$72.00	\$1,080.00
36	Sanitary Sewer, PVC, 18 inch	Ft	389	\$90.00	\$35,010.00	\$98.00	\$38,122.00	\$90.00	\$35,010.00
37	Sanitary Sewer, PVC, 24 inch	Ft	40	\$100.00	\$4,000.00	\$440.00	\$17,600.00	\$125.00	\$5,000.00
38	Sanitary Sewer, PVC, 27 inch	Ft	1048	\$105.00	\$110,040.00	\$160.00	\$167,680.00	\$140.00	\$146,720.00
39	Sanitary Sewer, PVC, 30 inch	Ft	668	\$110.00	\$73,480.00	\$209.00	\$139,612.00	\$153.00	\$102,204.00
40	Sanitary Sewer, PVC, 30 inch, Bore and Jack	Ft	190	\$600.00	\$114,000.00	\$915.00	\$173,850.00	\$960.00	\$182,400.00
41	Sanitary Sewer, PVC, 6 inch	Ft	100	\$30.00	\$3,000.00	\$60.50	\$6,050.00	\$38.50	\$3,850.00
42	Sanitary Sewer, PVC, 8 inch	Ft	1475	\$65.00	\$95,875.00	\$76.60	\$112,985.00	\$63.00	\$92,925.00
43	Sewer, Cl A, 12 inch, Tr Det B	Ft	1059	\$45.00	\$47,655.00	\$50.00	\$52,950.00	\$52.00	\$55,068.00
44	Sewer, Cl A, 24 inch, Tr Det B	Ft	105	\$60.00	\$6,300.00	\$98.00	\$10,290.00	\$90.00	\$9,450.00
45	Sewer, Cl A, 48 inch, Tr Det B	Ft	20	\$175.00	\$3,500.00	\$300.00	\$6,000.00	\$300.00	\$6,000.00
46	Sanitary Manhole, Drop Connection	Ea	2	\$1,500.00	\$3,000.00	\$935.00	\$1,870.00	\$5,500.00	\$11,000.00
47	Sewer Bulkhead	Ea	1	\$350.00	\$350.00	\$880.00	\$880.00	\$300.00	\$300.00
48	Dr Structure Cover, Adj, Case 1	Ea	5	\$465.46	\$2,327.30	\$620.00	\$3,100.00	\$450.00	\$2,250.00
49	Dr Structure, 48 inch dia	Ea	26	\$2,500.00	\$65,000.00	\$2,255.00	\$58,630.00	\$1,750.00	\$45,500.00
50	Dr Structure, 60 inch dia	Ea	5	\$3,000.00	\$15,000.00	\$3,160.00	\$15,800.00	\$2,000.00	\$10,000.00
51	Dr Structure, Tap, 8 inch	Ea	1	\$250.00	\$250.00	\$550.00	\$550.00	\$850.00	\$850.00
52	Dr Structure, Tap, 12 inch	Ea	1	\$300.00	\$300.00	\$1,400.00	\$1,400.00	\$850.00	\$850.00
53	Dr Structure, Temp Lowering	Ea	5	\$275.00	\$1,375.00	\$425.00	\$2,125.00	\$275.00	\$1,375.00
54	Dr Structure Cover, ADA Compliant	Ea	3	\$800.00	\$2,400.00	\$475.00	\$1,425.00	\$450.00	\$1,350.00
55	Dr Structure Cover, Modified	Ea	57	\$750.00	\$42,750.00	\$435.00	\$24,795.00	\$500.00	\$28,500.00
56	Sanitary Manhole, 48 inch Dia	Ea	25	\$4,000.00	\$100,000.00	\$3,200.00	\$80,000.00	\$3,665.00	\$91,625.00
57	Sanitary Manhole, 60 inch Dia	Ea	3	\$4,500.00	\$13,500.00	\$9,000.00	\$27,000.00	\$5,250.00	\$15,750.00
58	Sanitary Manhole, Meter Station, 84 inch Dia	Ea	1	\$10,000.00	\$10,000.00	\$67,400.00	\$67,400.00	\$50,000.00	\$50,000.00
59	HMA Approach	Ton	321	\$105.00	\$33,705.00	\$130.00	\$41,730.00	\$135.00	\$43,335.00
60	Textured Asphalt Crosswalk	Sft	1220	\$3.50	\$4,270.00	\$13.25	\$16,165.00	\$14.50	\$17,690.00
61	HMA, 13A	Ton	2074	\$80.00	\$165,920.00	\$99.60	\$206,570.40	\$104.60	\$216,940.40
62	Driveway, Nonreinf Conc, 6 inch	Syd	318	\$40.00	\$12,720.00	\$24.80	\$7,886.40	\$45.00	\$14,310.00
63	Curb and Gutter, Conc, Det F4	Ft	3643	\$18.00	\$65,574.00	\$12.65	\$46,083.95	\$18.50	\$67,395.50
64	Driveway Opening, Conc, Det M	Ft	242	\$20.00	\$4,840.00	\$15.00	\$3,630.00	\$23.65	\$5,723.30
65	Detectable Warning Surface	Ft	185	\$45.00	\$8,325.00	\$332.00	\$61,420.00	\$43.50	\$8,047.50
66	Curb Ramp Opening, Conc	Ft	279	\$20.00	\$5,580.00	\$15.00	\$4,185.00	\$23.50	\$6,556.50
67	Sidewalk Ramp, Conc, 6 inch	Sft	1382	\$7.00	\$9,674.00	\$4.50	\$6,219.00	\$6.05	\$8,361.10
68	Sidewalk, Conc, 4 inch	Sft	2454	\$4.50	\$11,043.00	\$3.20	\$7,852.80	\$3.70	\$9,079.80
69	Sign, Type III, Erect, Salv	Ea	2	\$200.00	\$400.00	\$150.00	\$300.00	\$350.00	\$700.00
70	Sign, Type III, Rem	Ea	2	\$200.00	\$400.00	\$150.00	\$300.00	\$32.00	\$64.00
71	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	Ft	1146	\$2.50	\$2,865.00	\$3.00	\$3,438.00	\$2.75	\$3,151.50
72	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	Ft	176	\$10.00	\$1,760.00	\$10.00	\$1,760.00	\$12.00	\$2,112.00
73	Pavt Mrkg, Waterborne, 4 inch, White	Ft	50	\$1.00	\$50.00	\$1.00	\$50.00	\$0.50	\$25.00
74	Pavt Mrkg, Waterborne, 4 inch, Yellow	Ft	2740	\$0.10	\$274.00	\$0.50	\$1,370.00	\$0.50	\$1,370.00
75	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, White	Ft	50	\$1.00	\$50.00	\$1.00	\$50.00	\$0.25	\$12.50
76	Pavt Mrkg, Waterborne, 2nd Application, 4 inch, Yellow	Ft	2740	\$0.08	\$219.20	\$0.50	\$1,370.00	\$0.25	\$685.00
77	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	38	\$115.00	\$4,370.00	\$120.00	\$4,560.00	\$55.00	\$2,090.00
78	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	38	\$5.00	\$190.00	\$5.00	\$190.00	\$1.00	\$38.00
79	Lighted Arrow, Type C, Furn	Ea	2	\$2,000.00	\$4,000.00	\$500.00	\$1,000.00	\$750.00	\$1,500.00
80	Lighted Arrow, Type C, Oper	Ea	2	\$100.00	\$200.00	\$200.00	\$400.00	\$1.00	\$2.00
81	Minor Traf Devices	LSUM	1	\$20,000.00	\$20,000.00	\$21,600.00	\$21,600.00	\$150,000.00	\$150,000.00
82	Plastic Drum, High Intensity, Furn	Ea	80	\$22.00	\$1,760.00	\$29.00	\$2,320.00	\$20.00	\$1,600.00
83	Plastic Drum, High Intensity, Oper	Ea	80	\$1.00	\$80.00	\$1.00	\$80.00	\$1.00	\$80.00
84	Sign, Portable, Changeable Message, Furn	Ea	2	\$2,000.00	\$4,000.00	\$3,450.00	\$6,900.00	\$3,250.00	\$6,500.00
85	Sign, Portable, Changeable Message, Oper	Ea	2	\$100.00	\$200.00	\$1,000.00	\$2,000.00	\$1.00	\$2.00
86	Sign, Type B, Temp, Prismatic, Furn	Sft	588	\$4.00	\$2,352.00	\$4.00	\$2,352.00	\$3.25	\$1,911.00
87	Sign, Type B, Temp, Prismatic, Oper	Sft	588	\$0.50	\$294.00	\$1.00	\$588.00	\$1.00	\$588.00
88	Pollinator Tree, Coral Burst Crabapple, 6 foot	Ea	16	\$200.00	\$3,200.00	\$500.00	\$8,000.00	\$500.00	\$8,000.00
89	Pollinator Tree, Kwanzan Cherry, 6 foot	Ea	16	\$200.00	\$3,200.00	\$475.00	\$7,600.00	\$500.00	\$8,000.00
90	Turf Establishment, Performance	Syd	3932	\$5.00	\$19,660.00	\$4.00	\$15,728.00	\$6.25	\$24,575.00
91	Abandon Existing 16 inch Water Main	Ft	1165	\$7.00	\$8,155.00	\$9.00	\$10,485.00	\$13.00	\$15,145.00
92	Water Main, DI, 12 inch, Tr Det G	Ft	30	\$85.00	\$2,550.00	\$126.00	\$3,780.00	\$105.00	\$3,150.00
93	Water Main, DI, 16 inch, Tr Det G	Ft	848	\$100.00	\$84,800.00	\$109.00	\$92,432.00	\$112.00	\$94,976.00
94	Water Main, DI, 6 inch, Tr Det G	Ft	50	\$60.00	\$3,000.00	\$93.00	\$4,650.00	\$78.00	\$3,900.00
95	Water Main, DI, 8 inch, Tr Det G	Ft	265	\$65.00	\$17,225.00	\$71.00	\$18,815.00	\$83.00	\$21,995.00
96	Water Main, Fusible PVC, 16 inch, Tr Det G	Ft	315	\$150.00	\$47,250.00	\$115.00	\$36,225.00	\$108.00	\$34,020.00
97	Fire Hydrant	Ea	1	\$2,500.00	\$2,500.00	\$2,765.00	\$2,765.00	\$3,250.00	\$3,250.00
98	Fire Hydrant, Rem	Ea	1	\$300.00	\$300.00	\$320.00	\$320.00	\$200.00	\$200.00
99	Gate Valve and Box, 12 inch, Modified	Ea	1	\$3,000.00	\$3,000.00	\$2,910.00	\$2,910.00	\$2,700.00	\$2,700.00
100	Gate Valve and Box, 6 inch, Modified	Ea	1	\$1,500.00	\$1,500.00	\$1,520.00	\$1,520.00	\$1,550.00	\$1,550.00
101	Gate Valve and Box, 8 inch, Modified	Ea	2	\$2,500.00	\$5,000.00	\$1,895.00	\$3,790.00	\$1,790.00	\$3,580.00
102	Gave Valve and Box, 16 inch, Modified	Ea	7	\$4,000.00	\$28,000.00	\$7,800.00	\$54,600.00	\$6,545.00	\$45,815.00
103	Water Main Fitting, 12 inch, 45 Deg Bend	Ea	3	\$1,000.00	\$3,000.00	\$1,225.00	\$3,675.00	\$850.00	\$2,550.00
104	Water Main Fitting, 12 inch, Cap Off	Ea	2	\$1,000.00	\$2,000.00	\$885.00	\$1,770.00	\$950.00	\$1,900.00
105	Water Main Fitting, 12 inch, Sleeve	Ea	2	\$1,000.00	\$2,000.00	\$2,610.00	\$5,220.00	\$1,750.00	\$3,500.00
106	Water Main Fitting, 16 inch x 12 inch, Reducer	Ea	1	\$1,500.00	\$1,500.00	\$1,465.00	\$1,465.00	\$1,360.00	\$1,360.00
107	Water Main Fitting, 16 inch x 12 inch, Tee	Ea	1	\$1,500.00	\$1,500.00	\$2,720.00	\$2,720.00	\$2,450.00	\$2,450.00
108	Water Main Fitting, 16 inch x 16 inch, Tee	Ea	2	\$1,500.00	\$3,0				