



**BID TABULATION
FOR
ESSEX HEIGHTS WATER MAIN REPLACEMENT
AND STREET REPAVING
TUESDAY, JUNE 26, 2018**

Line	Pay Item	Description	Unit	Total Estimated Quantity	ENGINEER'S ESTIMATE		DUNIGAN BROTHERS 911 E. SOUTH STREET JACKSON, MI 49203		HOFFMAN BROTHERS INC. 8574 VERONA RD. BATTLE CREEK, MI 49014		ROTHENBERGER COMPANY INC. 13380 M60 CONCORD, MI 49237		BAILEY EXCAVATING 1073 TORO DRIVE JACKSON, MI 49201		SALENBIEN TRUCKING & EXCAVATING INC. 9217 ANN ARBOR RD. DUNDEE, MI 48131	
					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	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 \$124,000.00	LSUM	1.00	124,000.00	124,000.00	113,551.00	113,551.00	124,000.00	124,000.00	78,206.00	78,206.00	124,000.00	124,000.00	69,300.00	69,300.00
2	2020002	Tree, Rem, 19 inch to 36 inch	Ea	2.00	2,000.00	4,000.00	808.55	1,617.10	925.00	1,850.00	2,200.00	4,400.00	1,017.50	2,035.00	2,625.00	5,250.00
3	2020004	Tree, Rem, 6 inch to 18 inch	Ea	2.00	630.00	1,260.00	323.45	646.90	275.00	550.00	1,200.00	2,400.00	302.50	605.00	525.00	1,050.00
4	2020006	Stump, Rem, 19 inch to 36 inch	Ea	2.00	420.00	840.00	377.35	754.70	145.00	290.00	997.60	1,995.20	160.00	320.00	367.50	735.00
5	2020008	Stump, Rem, 6 inch to 18 inch	Ea	2.00	225.00	450.00	80.85	161.70	95.00	190.00	558.55	1,117.10	105.00	210.00	210.00	420.00
6	2030011	Dr Structure, Rem	Ea	7.00	450.00	3,150.00	254.60	1,782.20	250.70	1,754.90	839.93	5,879.51	1,250.00	8,750.00	1,050.00	7,350.00
7	2030015	Sewer, Rem, Less than 24 inch	Ft	400.00	20.00	8,000.00	13.40	5,360.00	16.35	6,540.00	5.00	2,000.00	27.80	11,120.00	21.00	8,400.00
8	2040020	Curb and Gutter, Rem	Ft	3,412.00	7.50	25,590.00	3.40	11,600.80	3.59	12,249.08	8.28	28,251.36	12.25	41,797.00	3.15	10,747.80
9	2040045	Masonry and Conc Structure, Rem	Cyd	3.00	125.00	375.00	33.95	101.85	128.50	385.50	159.00	477.00	200.00	600.00	420.00	1,260.00
10	2040055	Sidewalk, Rem	Syd	972.00	8.00	7,776.00	3.40	3,304.80	8.46	8,223.12	5.55	5,394.60	14.75	14,337.00	1.58	1,535.76
11	2040080	Exploratory Investigation, Vertical	Ft	40.00	55.00	2,200.00	44.75	1,790.00	18.60	744.00	53.73	2,149.20	110.00	4,400.00	105.00	4,200.00
12	2047001	Pavt Sawcut	Ft	12,891.00	3.00	38,673.00	1.95	25,137.45	0.01	128.91	0.01	128.91	4.55	58,654.05	3.15	40,606.65
13	2047011	Driveway, Rem	Syd	792.00	10.00	7,920.00	3.40	2,692.80	8.58	6,795.36	4.84	3,833.28	14.25	11,286.00	13.65	10,810.80
14	2047011	Pavt, Rem, Modified	Syd	5,910.00	8.00	47,280.00	6.85	40,483.50	8.49	50,175.90	5.66	33,450.60	14.25	84,217.50	15.75	93,082.50
15	2047051	Tree Preservation	LSUM	1.00	3,000.00	3,000.00	3,773.50	3,773.50	20,040.00	20,040.00	1,500.00	1,500.00	5,000.00	5,000.00	210.00	210.00
16	2050018	Excavation, Rock	Cyd	10.00	75.00	750.00	113.45	1,134.50	176.40	1,764.00	500.00	5,000.00	175.22	1,752.20	525.00	5,250.00
17	2050031	Non Haz Contaminated Material Handling and Disposal, LM	Cyd	20.00	80.00	1,600.00	32.75	655.00	54.15	1,083.00	90.00	1,800.00	100.00	2,000.00	52.50	1,050.00
18	2050041	Subgrade Undercutting, Type II	Cyd	240.00	37.00	8,880.00	21.75	5,220.00	27.35	6,564.00	38.42	9,220.80	52.50	12,600.00	42.00	10,080.00
19	2057002	Roadway Grading, Special	Sta	52.85	2,400.00	126,840.00	2,255.00	119,176.75	1,241.00	65,586.85	841.61	44,479.09	2,850.00	150,622.50	2,021.25	106,823.06
20	2080016	Erosion Control, Gravel Access Approach	Ea	4.00	1,300.00	5,200.00	848.70	3,394.80	510.60	2,042.40	833.33	3,333.32	5,100.00	20,400.00	420.00	1,680.00
21	2087050	Erosion Control, Inlet Protection, Grate Filter, Rectangular	Ea	53.00	132.00	6,996.00	57.90	3,068.70	93.70	4,966.10	119.61	6,339.33	195.00	10,335.00	157.50	8,347.50
22	2087050	Erosion Control, Inlet Protection, Grate Filter, Round	Ea	1.00	132.00	132.00	57.90	57.90	93.70	93.70	121.20	121.20	226.30	226.30	157.50	157.50
23	2087050	Erosion Control, Inlet Protection, Sediment Trap, Rectangular	Ea	15.00	150.00	2,250.00	57.90	868.50	178.60	2,679.00	119.61	1,794.15	241.10	3,616.50	315.00	4,725.00



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ESSEX HEIGHTS WATER MAIN REPLACEMENT
AND STREET REPAVING
TUESDAY, JUNE 26, 2018**

Line	Pay Item	Description	Unit	Total Estimated Quantity	ENGINEER'S ESTIMATE		DUNIGAN BROTHERS 911 E. SOUTH STREET JACKSON, MI 49203		HOFFMAN BROTHERS INC. 8574 VERONA RD. BATTLE CREEK, MI 49014		ROTHENBERGER COMPANY INC. 13380 M60 CONCORD, MI 49237		BAILEY EXCAVATING 1073 TORO DRIVE JACKSON, MI 49201		SALENBIEN TRUCKING & EXCAVATING INC. 9217 ANN ARBOR RD. DUNDEE, MI 48131	
					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
24	2090001	Project Cleanup	LSUM	1.00	5,000.00	5,000.00	12,386.00	12,386.00	3,643.00	3,643.00	5,000.00	5,000.00	32,500.00	32,500.00	3,150.00	3,150.00
25	3020020	Aggregate Base, 8 inch	Syd	13,677.00	10.00	136,770.00	12.00	164,124.00	9.81	134,171.37	9.84	134,581.68	9.75	133,350.75	9.45	129,247.65
26	3060021	Maintenance Gravel, LM	Cyd	625.00	24.00	15,000.00	26.65	16,656.25	6.28	3,925.00	25.00	15,625.00	26.25	16,406.25	42.00	26,250.00
27	4021202	Sewer Tap, 8 inch	Ea	1.00	200.00	200.00	501.20	501.20	115.20	115.20	350.00	350.00	545.00	545.00	1,050.00	1,050.00
28	4021260	Trench Undercut and Backfill	Cyd	40.00	52.00	2,080.00	21.75	870.00	52.80	2,112.00	53.37	2,134.80	75.00	3,000.00	73.50	2,940.00
29	4027001	Sewer Backfill, Class II	Ft	50.00	18.00	900.00	25.50	1,275.00	12.05	602.50	25.20	1,260.00	55.00	2,750.00	69.30	3,465.00
30	4027001	Sewer, CI E, 12 inch	Ft	50.00	56.00	2,800.00	81.35	4,067.50	76.70	3,835.00	70.60	3,530.00	65.00	3,250.00	36.75	1,837.50
31	4027001	Sewer, DI, Pressure Class 350, 8 inch	Ft	32.00	62.00	1,984.00	76.35	2,443.20	99.80	3,193.60	96.31	3,081.92	67.25	2,152.00	210.00	6,720.00
32	4027050	Sewer Lateral Repair	Ea	9.00	400.00	3,600.00	667.55	6,007.95	472.20	4,249.80	394.89	3,554.01	675.00	6,075.00	1,575.00	14,175.00
33	4030005	Dr Structure Cover, Adj, Case 1	Ea	48.00	380.00	18,240.00	363.80	17,462.40	315.20	15,129.60	500.00	24,000.00	575.00	27,600.00	1,575.00	75,600.00
34	4030280	Dr Structure, Adj, Add Depth	Ft	3.00	260.00	780.00	223.65	670.95	178.10	534.30	250.00	750.00	136.00	408.00	210.00	630.00
35	4030308	Dr Structure, Tap, 8 inch	Ea	2.00	300.00	600.00	501.20	1,002.40	138.30	276.60	300.00	600.00	469.00	938.00	525.00	1,050.00
36	4030310	Dr Structure, Tap, 10 inch	Ea	3.00	350.00	1,050.00	501.20	1,503.60	240.10	720.30	300.00	900.00	552.00	1,656.00	630.00	1,890.00
37	4030312	Dr Structure, Tap, 12 inch	Ea	2.00	420.00	840.00	501.20	1,002.40	240.10	480.20	300.00	600.00	629.00	1,258.00	682.50	1,365.00
38	4037050	Catch Basin Cover, Curb	Ea	2.00	650.00	1,300.00	788.35	1,576.70	704.50	1,409.00	746.08	1,492.16	801.00	1,602.00	525.00	1,050.00
39	4037050	Catch Basin, 24 inch dia	Ea	2.00	1,100.00	2,200.00	1,776.50	3,553.00	1,001.00	2,002.00	1,102.10	2,204.20	1,425.00	2,850.00	2,100.00	4,200.00
40	4037050	Catch Basin, 48 inch dia	Ea	2.00	1,600.00	3,200.00	2,215.50	4,431.00	1,393.00	2,786.00	1,894.30	3,788.60	1,950.00	3,900.00	3,150.00	6,300.00
41	4037050	Dr Structure, Temp Lowering, Modified	Ea	45.00	200.00	9,000.00	165.40	7,443.00	275.30	12,388.50	190.00	8,550.00	375.00	16,875.00	210.00	9,450.00
42	4037050	Mh Cover, Std	Ea	73.00	520.00	37,960.00	689.50	50,333.50	278.80	20,352.40	648.92	47,371.16	699.00	51,027.00	525.00	38,325.00
43	5010002	Cold Milling HMA Surface	Syd	2,148.00	3.50	7,518.00	3.15	6,766.20	2.46	5,284.08	4.26	9,150.48	7.25	15,573.00	5.25	11,277.00
44	5010025	Hand Patching	Ton	24.00	155.00	3,720.00	194.75	4,674.00	157.00	3,768.00	173.50	4,164.00	190.85	4,580.40	315.00	7,560.00
45	5010033	HMA, 13A	Ton	3,505.00	80.00	280,400.00	86.90	304,584.50	77.76	272,548.80	77.41	271,322.05	80.64	282,643.20	73.50	257,617.50
46	5017011	HMA Surface, Rem, Modified	Syd	7,947.00	6.00	47,682.00	3.95	31,390.65	4.28	34,013.16	3.65	29,006.55	8.25	65,562.75	5.25	41,721.75
47	6020015	Conc Base Cse, Nonreinf, 6 inch	Syd	12.00	35.00	420.00	43.10	517.20	70.70	848.40	66.50	798.00	44.00	528.00	94.50	1,134.00
48	6030005	Cement	Ton	2.00	210.00	420.00	183.30	366.60	230.00	460.00	230.00	460.00	187.00	374.00	525.00	1,050.00
49	6030042	Pavt Repr, Nonreinf Conc, 7 inch	Syd	250.00	60.00	15,000.00	40.45	10,112.50	45.45	11,362.50	44.50	11,125.00	41.25	10,312.50	94.50	23,625.00
50	8010005	Driveway, Nonreinf Conc, 6 inch	Syd	792.00	40.00	31,680.00	26.95	21,344.40	40.35	31,957.20	38.40	30,412.80	27.50	21,780.00	84.00	66,528.00
51	8020038	Curb and Gutter, Conc, Det F4	Ft	3,397.00	20.00	67,940.00	14.80	50,275.60	16.85	57,239.45	14.50	49,256.50	16.91	57,443.27	31.50	107,005.50
52	8030010	Detectable Warning Surface	Ft	163.00	35.00	5,705.00	34.50	5,623.50	65.00	10,595.00	65.00	10,595.00	35.20	5,737.60	52.50	8,557.50
53	8030034	Sidewalk Ramp, Conc, 4 inch	Sft	2,849.00	7.00	19,943.00	4.15	11,823.35	6.27	17,863.23	6.00	17,094.00	4.24	12,079.76	5.78	16,467.22
54	8030044	Sidewalk, Conc, 4 inch	Sft	4,158.00	4.40	18,295.20	2.80	11,642.40	3.57	14,844.06	3.40	14,137.20	2.86	11,891.88	5.78	24,033.24
55	8030046	Sidewalk, Conc, 6 inch	Sft	1,616.00	5.10	8,241.60	3.05	4,928.80	4.57	7,385.12	4.40	7,110.40	3.14	5,074.24	6.30	10,180.80



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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 (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
56	8070095	Post, Mailbox	Ea	3.00	125.00	375.00	173.75	521.25	72.60	217.80	250.00	750.00	185.00	555.00	210.00	630.00
57	8080007	Fence, Protective	Ft	100.00	4.20	420.00	3.45	345.00	2.79	279.00	9.00	900.00	15.00	1,500.00	10.50	1,050.00
58	8100405	Sign, Type IIIB	Sft	40.00	7.40	296.00	17.25	690.00	16.00	640.00	16.00	640.00	17.60	704.00	367.50	14,700.00
59	8110232	Pavt Mrkg, Waterborne, 4 inch, Yellow	Ft	1,800.00	0.50	900.00	0.85	1,530.00	0.79	1,422.00	0.79	1,422.00	0.87	1,566.00	1.05	1,890.00
60	8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	45.00	76.00	3,420.00	21.55	969.75	20.00	900.00	20.00	900.00	22.00	990.00	1,260.00	56,700.00
61	8120013	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper	Ea	45.00	15.00	675.00	5.40	243.00	5.00	225.00	5.00	225.00	5.50	247.50	525.00	23,625.00
62	8120170	Minor Traf Devices	LSUM	1.00	3,000.00	3,000.00	15,249.00	15,249.00	99,330.00	99,330.00	11,677.00	11,677.00	25,000.00	25,000.00	5250.00	5,250.00
63	8120250	Plastic Drum, High Intensity, Furn	Ea	110.00	20.00	2,200.00	9.70	1,067.00	9.00	990.00	9.00	990.00	9.90	1,089.00	105.00	11,550.00
64	8120251	Plastic Drum, High Intensity, Oper	Ea	110.00	1.00	110.00	1.10	121.00	1.00	110.00	1.00	110.00	1.50	165.00	52.50	5,775.00
65	8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	812.00	5.00	4,060.00	1.10	893.20	1.00	812.00	1.00	812.00	1.50	1,218.00	31.50	25,578.00
66	8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	812.00	1.00	812.00	1.10	893.20	1.00	812.00	1.00	812.00	1.50	1,218.00	10.50	8,526.00
67	8127050	Pedestrian Type II Barricade, Temp	Ea	14.00	150.00	2,100.00	80.85	1,131.90	75.00	1,050.00	75.00	1,050.00	82.50	1,155.00	105.00	1,470.00
68	8150001	Site Preparation, Max \$800.00	LSUM	1.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	800.00	840.00	840.00
69	8150002	Watering and Cultivating, First Season, Min \$1,200.00	LSUM	1.00	1,200.00	1,200.00	2,207.00	2,207.00	2,000.00	2,000.00	1,200.00	1,200.00	1,200.00	1,200.00	12600.00	12,600.00
70	8150003	Watering and Cultivating, Second Season, Min \$1,200.00	LSUM	1.00	1,200.00	1,200.00	2,207.00	2,207.00	2,000.00	2,000.00	1,200.00	1,200.00	1,200.00	1,200.00	12600.00	12,600.00
71	8157050	Gleditsia Triacanthos Inermis 'Skyline', 2-1/2 inch	Ea	4.00	600.00	2,400.00	614.65	2,458.60	557.00	2,228.00	980.00	3,920.00	1,078.00	4,312.00	525.00	2,100.00
72	8157050	Pyras Calleryana 'Cleveland Select', 2-1/2 inch	Ea	4.00	600.00	2,400.00	443.60	1,774.40	402.00	1,608.00	865.00	3,460.00	951.00	3,804.00	525.00	2,100.00
73	8160027	Mulch Blanket	Syd	20.00	6.00	120.00	1.55	31.00	1.00	20.00	2.75	55.00	3.10	62.00	2.10	42.00
74	8167011	Hydromulch	Syd	5,910.00	1.00	5,910.00	0.30	1,773.00	0.29	1,713.90	0.84	4,964.40	0.93	5,496.30	1.58	9,337.80
75	8167011	Topsoil Surface, 4 inch	Syd	5,910.00	4.00	23,640.00	4.50	26,595.00	4.77	28,190.70	4.37	25,826.70	4.15	24,526.50	4.20	24,822.00
76	8167030	Fertilizer, Chemical Nutrient, Cl A, Modified	Lb	425.00	2.00	850.00	1.65	701.25	1.50	637.50	2.10	892.50	2.31	981.75	1.00	425.00



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TUESDAY, JUNE 26, 2018**

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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 (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)
77	8167030	Seeding, Mixture THM, Modified	Lb	556.00	5.00	2,780.00	3.40	1,890.40	3.10	1,723.60	6.20	3,447.20	6.82	3,791.92	1.05	583.80
78	8190244	Hh, Adj	Ea	4.00	125.00	500.00	579.15	2,316.60	275.20	1,100.80	300.00	1,200.00	175.00	700.00	525.00	2,100.00
79	8210001	Monument Box	Ea	1.00	400.00	400.00	292.35	292.35	132.50	132.50	280.00	280.00	952.00	952.00	262.50	262.50
80	8210005	Monument Box Adjust	Ea	1.00	400.00	400.00	231.65	231.65	165.50	165.50	250.00	250.00	525.00	525.00	262.50	262.50
81	8230391	Gate Box, Adj, Temp, Case 1	Ea	25.00	275.00	6,875.00	115.85	2,896.25	122.30	3,057.50	150.00	3,750.00	399.00	9,975.00	262.50	6,562.50
82	8230431	Gate Box, Adj, Case 1	Ea	25.00	350.00	8,750.00	142.80	3,570.00	112.20	2,805.00	250.00	6,250.00	455.00	11,375.00	262.50	6,562.50
83	8237001	Hydrant Extension	Ft	4.00	650.00	2,600.00	512.50	2,050.00	555.20	2,220.80	610.40	2,441.60	250.00	1,000.00	525.00	2,100.00
84	8237001	Sanitary Sewer Video Inspection, Post-Construction	Ft	2,685.00	1.00	2,685.00	1.10	2,953.50	1.00	2,685.00	1.00	2,685.00	1.50	4,027.50	3.15	8,457.75
85	8237001	Sanitary Sewer Video Inspection, Pre-Construction	Ft	2,685.00	1.00	2,685.00	1.10	2,953.50	1.00	2,685.00	1.00	2,685.00	1.50	4,027.50	3.15	8,457.75
86	8237001	Water Main Backfill, Class II	Ft	4,274.00	18.00	76,932.00	13.70	58,553.80	12.05	51,501.70	21.40	91,463.60	24.22	103,516.28	40.95	175,020.30
87	8237001	Water Main, 4 inch	Ft	10.00	65.00	650.00	59.05	590.50	68.55	685.50	111.27	1,112.70	72.68	726.80	210.00	2,100.00
88	8237001	Water Main, 6 inch	Ft	190.00	65.00	12,350.00	59.85	11,371.50	69.60	13,224.00	57.39	10,904.10	79.25	15,057.50	42.00	7,980.00
89	8237001	Water Main, 8 inch	Ft	4,024.00	65.00	261,560.00	62.85	252,908.40	72.50	291,740.00	69.37	279,144.88	86.30	347,271.20	45.15	181,683.60
90	8237001	Water Main, Dir Bore, 8 inch	Ft	1,880.00	100.00	188,000.00	98.65	185,462.00	93.80	176,344.00	168.17	316,159.60	77.85	146,358.00	84.00	157,920.00
91	8237050	Check Valve, 8 inch, Modified	Ea	1.00	2,500.00	2,500.00	4,503.50	4,503.50	7,048.00	7,048.00	3,985.00	3,985.00	6,755.00	6,755.00	7,717.50	7,717.50
92	8237050	Gate Valve and Box, 6 inch, Modified	Ea	2.00	1,500.00	3,000.00	845.65	1,691.30	1,148.00	2,296.00	1,257.90	2,515.80	1,685.00	3,370.00	1,160.25	2,320.50
93	8237050	Gate Valve and Box, 8 inch, Modified	Ea	25.00	1,700.00	42,500.00	1,200.00	30,000.00	1,478.00	36,950.00	1,747.70	43,692.50	2,895.00	72,375.00	1,564.50	39,112.50
94	8237050	Gate Well, 48 inch, Modified	Ea	1.00	2,500.00	2,500.00	2,258.50	2,258.50	2,566.00	2,566.00	3,874.87	3,874.87	2,950.00	2,950.00	3,675.00	3,675.00
95	8237050	Hydrant Assembly	Ea	16.00	5,000.00	80,000.00	4,290.50	68,648.00	4,161.00	66,576.00	6,445.13	103,122.08	4,658.00	74,528.00	4,200.00	67,200.00
96	8237050	Hydrant, Rem, Modified	Ea	14.00	520.00	7,280.00	289.60	4,054.40	564.50	7,903.00	711.85	9,965.90	795.00	11,130.00	525.00	7,350.00
97	8237050	Pressure Release Valve and Box, 8 inch, Modified	Ea	1.00	4,000.00	4,000.00	2,174.00	2,174.00	2,396.00	2,396.00	2,284.54	2,284.54	2,295.00	2,295.00	1,680.00	1,680.00
98	8237050	Sanitary Sewer Video Inspection, Post-Construction, Lateral Launch	Ea	35.00	30.00	1,050.00	107.80	3,773.00	100.00	3,500.00	100.00	3,500.00	150.00	5,250.00	3.15	110.25
99	8237050	Sanitary Sewer Video Inspection, Pre-Construction, Lateral Launch	Ea	41.00	30.00	1,230.00	107.80	4,419.80	100.00	4,100.00	100.00	4,100.00	150.00	6,150.00	3.15	129.15
100	8237050	Water Main Insertion Valve, 6 inch	Ea	3.00	15,000.00	45,000.00	7,976.50	23,929.50	6,882.00	20,646.00	6,899.30	20,697.90	6,945.00	20,835.00	10,500.00	31,500.00
101	8237050	Water Main, Connect New 4 inch to Existing 4 inch	Ea	1.00	2,300.00	2,300.00	2,282.00	2,282.00	2,485.00	2,485.00	3,076.52	3,076.52	2,650.00	2,650.00	1,680.00	1,680.00
102	8237050	Water Main, Connect New 6 inch to Existing 4 inch	Ea	1.00	2,500.00	2,500.00	2,504.00	2,504.00	2,189.00	2,189.00	2,196.57	2,196.57	2,766.00	2,766.00	1,785.00	1,785.00



**BID TABULATION
FOR
ESSEX HEIGHTS WATER MAIN REPLACEMENT
AND STREET REPAVING
TUESDAY, JUNE 26, 2018**

Line	Pay Item	Description	Unit	Total Estimated Quantity	ENGINEER'S ESTIMATE		DUNIGAN BROTHERS	HOFFMAN BROTHERS INC.	ROTHENBERGER COMPANY INC.	BAILEY EXCAVATING	SALENBIEN TRUCKING & EXCAVATING INC.					
					Estimated Unit Cost (\$)	Estimated Total Cost (\$)	911 E. SOUTH STREET JACKSON, MI 49203	8574 VERONA RD. BATTLE CREEK, MI 49014	13380 M60 CONCORD, MI 49237	1073 TORO DRIVE JACKSON, MI 49201	9217 ANN ARBOR RD. DUNDEE, MI 48131	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)	Estimated Total Cost (\$)	Estimated Unit Cost (\$)
103	8237050	Water Main, Connect New 6 inch to Existing 6 inch	Ea	1.00	3,000.00	3,000.00	2,328.00	2,328.00	2,535.00	2,535.00	2,811.51	2,811.51	2,959.00	2,959.00	1,785.00	1,785.00
104	8237050	Water Main, Connect New 8 inch to Existing 6 inch	Ea	12.00	3,000.00	36,000.00	2,525.50	30,306.00	2,290.00	27,480.00	3,020.08	36,240.96	3,399.00	40,788.00	1,995.00	23,940.00
105	8237050	Water Main, Connect New 8 inch to Existing 8 inch	Ea	3.00	4,000.00	12,000.00	2,392.00	7,176.00	2,609.00	7,827.00	2,980.68	8,942.04	3,555.00	10,665.00	2,310.00	6,930.00
106	8237050	Water Main, Cut and Plug, 6 inch	Ea	12.00	700.00	8,400.00	433.75	5,205.00	1,045.00	12,540.00	842.92	10,115.04	525.00	6,300.00	1,050.00	12,600.00
107	8237050	Water Main, Cut and Plug, 8 inch	Ea	1.00	1,000.00	1,000.00	476.85	476.85	735.80	735.80	885.78	885.78	625.00	625.00	1,050.00	1,050.00
108	8237050	Water Serv, 1 inch	Ea	37.00	1,800.00	66,600.00	1,330.50	49,228.50	1,204.00	44,548.00	2,714.12	100,422.44	885.00	32,745.00	1,087.80	40,248.60
109	8237050	Water Serv, 1-1/2 inch	Ea	6.00	2,000.00	12,000.00	1,679.50	10,077.00	1,720.00	10,320.00	3,362.13	20,172.78	1,288.00	7,728.00	1,538.25	9,229.50
110	8237050	Water Serv, 2 inch	Ea	1.00	2,200.00	2,200.00	2,797.00	2,797.00	2,573.00	2,573.00	3,651.32	3,651.32	1,825.00	1,825.00	2,261.70	2,261.70
111	8237050	Water Serv, Long, 1 inch	Ea	25.00	2,800.00	70,000.00	2,523.50	63,087.50	2,130.00	53,250.00	4,491.20	112,280.00	1,275.00	31,875.00	1,455.30	36,382.50
112	8237050	Water Serv, Long, 1-1/2 inch	Ea	8.00	3,000.00	24,000.00	3,184.00	25,472.00	2,958.00	23,664.00	4,459.21	35,673.68	1,963.00	15,704.00	1,890.00	15,120.00
113	8237050	Water Serv, Long, 2 inch	Ea	1.00	3,200.00	3,200.00	5,108.50	5,108.50	3,691.00	3,691.00	5,530.14	5,530.14	2,202.00	2,202.00	2,677.50	2,677.50
114	8260148	Flowable Fill, Non-Structural	Cyd	10.00	128.00	1,280.00	148.75	1,487.50	231.30	2,313.00	134.80	1,348.00	175.00	1,750.00	157.50	1,575.00
115	8507001	Sanitary Manhole, Add Depth of 48 inch dia, 8 feet to 15 feet	Ft	40.00	250.00	10,000.00	57.90	2,316.00	0.01	0.40	84.25	3,370.00	250.00	10,000.00	317.10	12,684.00
116	8507001	Sanitary Sewer, Service Connection beyond 10 feet	Ft	275.00	100.00	27,500.00	50.20	13,805.00	67.50	18,562.50	85.83	23,603.25	52.55	14,451.25	42.00	11,550.00
117	8507001	Sanitary Sewer, SDR26 PVC, 8 inch	Ft	662.00	90.00	59,580.00	57.95	38,362.90	70.70	46,803.40	71.55	47,366.10	85.20	56,402.40	59.85	39,620.70
118	8507001	Sanitary Sewer, SDR26 PVC, 10 inch	Ft	950.00	100.00	95,000.00	63.45	60,277.50	82.65	78,517.50	83.28	79,116.00	92.80	88,160.00	61.95	58,852.50
119	8507001	Sanitary Sewer Backfill, Class II	Ft	1,802.00	52.00	93,704.00	33.95	61,177.90	30.15	54,330.30	29.34	52,870.68	67.50	121,635.00	44.52	80,225.04
120	8507030	Water Main Fittings, DI	Lb	1,100.00	9.00	9,900.00	3.95	4,345.00	4.50	4,950.00	8.00	8,800.00	15.00	16,500.00	44.10	48,510.00
121	8507050	Manhole Drop Connection	Ea	1.00	1,800.00	1,800.00	1,956.50	1,956.50	2,035.00	2,035.00	1,053.53	1,053.53	2,750.00	2,750.00	1,050.00	1,050.00
122	8507050	Sanitary Manhole, 48 inch dia	Ea	14.00	4,000.00	56,000.00	2,573.00	36,022.00	1,850.00	25,900.00	2,683.48	37,568.72	3,750.00	52,500.00	3,488.10	48,833.40
123	8507050	Sanitary Sewer, Service Connection with 10 inch x 6 inch Wye	Ea	20.00	1,500.00	30,000.00	951.05	19,021.00	1,158.00	23,160.00	1,894.72	37,894.40	1,075.00	21,500.00	262.50	5,250.00
124	8507050	Sanitary Sewer, Service Connection with 8 inch x 6 inch Wye	Ea	7.00	1,200.00	8,400.00	874.45	6,121.15	1,077.00	7,539.00	1,402.08	9,814.56	1,025.00	7,175.00	210.00	1,470.00
		TOTAL BID				2,627,109.80		2,294,329.00		2,306,777.89		2,584,199.05		2,854,995.05		2,706,293.57