

Lakewood Private Sidewalk Repairs

March 2023
Maintenance Department | John Thomas

Damage Caused By Tree
Roots Lifting Sidewalk

Tree Root Damage

Three silver maple trees planted too close to the sidewalk

Tree with an undesirable root structure



Tree Root Damage

Oak tree planted too close to the sidewalk



Tree Root Damage

Oak Tree planted too close to the sidewalk



Tree Root Damage

Two oak trees planted too close to the sidewalk



Tree Root Damage

Ash tree planted in landscaping bed to close to the sidewalk



Stormwater Erosion Damage

Erosion Damage

Gutter downspout and foundation drain causing erosion around sidewalk causing them to settle and shift



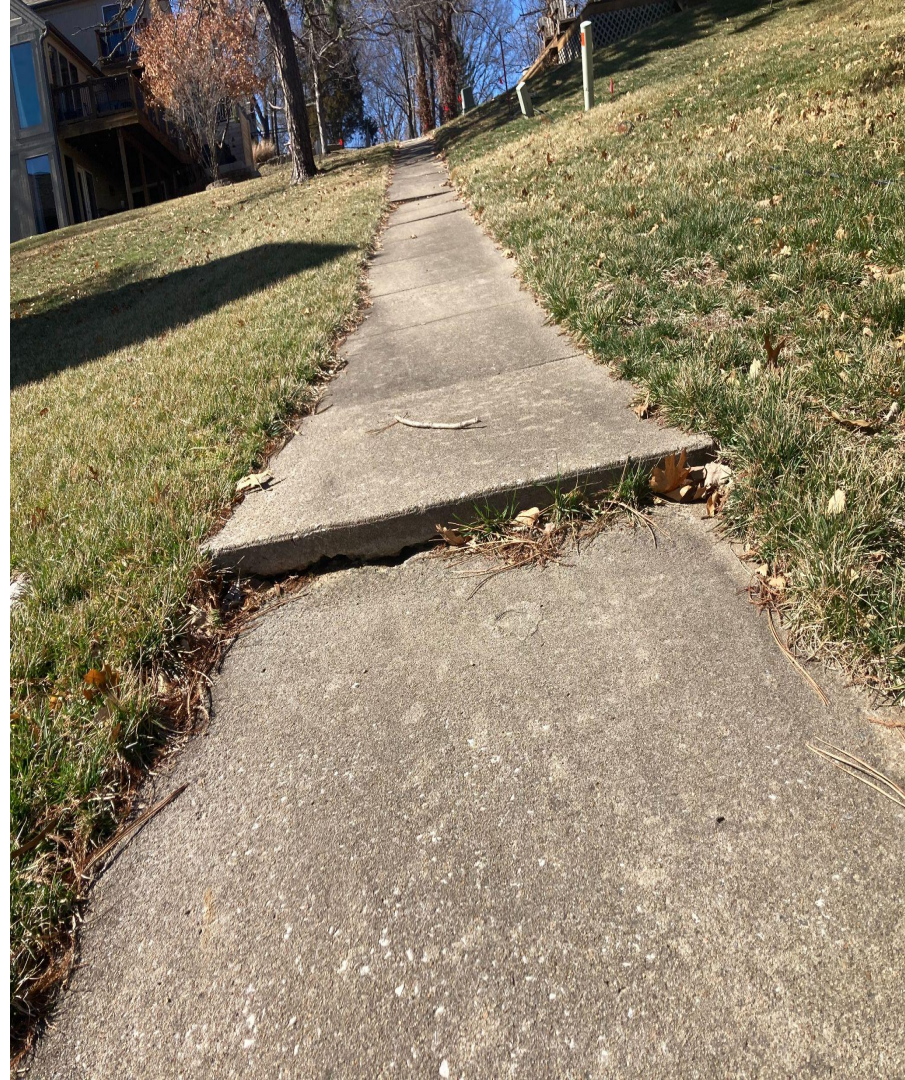
Erosion Damage

Sidewalks on steep slope with no reinforcing system causing sidewalk to slip and slide down hill



Erosion Damage

Sidewalks on steep slope with no reinforcing system causing sidewalk to slip and slide down hill



Erosion Damage

Storm water traveling down the sidewalk is eroding away the sidewalk base.



Erosion Damage

Storm water traveling down the sidewalk is eroding the sidewalk base.



Erosion Damage

Sidewalk is settling around a sanitary sewer manhole causing the sidewalk to shift



Damage Caused By Heavy Equipment Traveling Over The Sidewalk

Heavy Equipment Damage



Heavy Equipment Damage



Heavy Equipment Damage



Heavy Equipment Damage



LPOA Private Sidewalks Summary & Estimated Repair Quantities & Costs

* Does not include the asphalt drive lanes to sanitary sewer (City Owned)

* Does not include the sidewalks in the park way next to the street that are city controlled

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
1	Beechwood	B1	490	1960	\$ 19,600.00	200	800	\$ 12,000.00
2	Beechwood	B2	550	2200	\$ 22,000.00	250	1000	\$ 15,000.00
3	Beechwood	B3	490	1960	\$ 19,600.00	90	360	\$ 5,400.00
4	Beechwood	B4	380	1520	\$ 15,200.00	80	320	\$ 4,800.00
5	Beechwood	B5	606	2424	\$ 24,240.00	40	160	\$ 2,400.00
6	Beechwood	B6	560	<u>2240</u>	<u>\$ 22,400.00</u>	<u>110</u>	<u>440</u>	<u>\$ 6,600.00</u>
	Total		3076	12304	\$ 123,040.00	770	3080	\$ 46,200.00

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
7	Blue Jacket	BJ1	490	1960	\$ 19,600.00	24	96	\$ 1,440.00
8	Blue Jacket	BJ2	440	1760	\$ 17,600.00	56	224	\$ 3,360.00
9	Blue Jacket	BJ3	380	1520	\$ 15,200.00	44	176	\$ 2,640.00
10	Blue Jacket	BJ4	160	640	\$ 6,400.00	72	288	\$ 4,320.00
11	Blue Jacket	BJ5	<u>155</u>	<u>620</u>	<u>\$ 6,200.00</u>	<u>20</u>	<u>80</u>	<u>\$ 1,200.00</u>
	Total		1625	6500	\$ 65,000.00	216	864	\$ 12,960.00
12	Lake Drive	LD1	155	620	\$ 6,200.00	32	128	\$ 1,920.00
13	Lake Drive	LD2	410	1640	\$ 16,400.00	36	144	\$ 2,160.00
14	Lake Drive	LD3	810	3240	\$ 32,400.00	96	384	\$ 5,760.00
15	Lake Drive	LD4	1250	5000	\$ 50,000.00	136	544	\$ 8,160.00
16	Lake Drive	LD5	1140	4560	\$ 45,600.00	172	688	\$ 10,320.00
17	Lake Drive	LD6	965	3860	\$ 38,600.00	72	288	\$ 4,320.00
18	Lake Drive	LD7	980	3920	\$ 39,200.00	52	208	\$ 3,120.00
19	Lake Drive	LD8	1085	4340	\$ 43,400.00	100	400	\$ 6,000.00
20	Lake Drive	LD9	<u>1020</u>	<u>4080</u>	<u>\$ 40,800.00</u>	<u>52</u>	<u>208</u>	<u>\$ 3,120.00</u>
	Total		7815	31260	\$ 312,600.00	748	2992	\$ 44,880.00

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
21	Cimarron	C1	635	2540	\$ 25,400.00	56	224	\$ 3,360.00
22	Cimarron	C2	480	1920	\$ 19,200.00	92	368	\$ 5,520.00
23	Cimarron	C3	385	1540	\$ 15,400.00	100	400	\$ 6,000.00
24	Cimarron	C4	365	1460	\$ 14,600.00	88	352	\$ 5,280.00
25	Cimarron	C5	480	1920	\$ 19,200.00	96	384	\$ 5,760.00
26	Cimarron	C6	<u>430</u>	<u>1720</u>	<u>\$ 17,200.00</u>	<u>52</u>	<u>208</u>	<u>\$ 3,120.00</u>
	Total		2775	11100	\$ 111,000.00	484	1936	\$ 29,040.00
31	MAC	Playground	430	2150	\$ 21,500.00	0	0	\$ -
32	MAC	Pool/Pavilion	467	2335	\$ 23,350.00	0	0	\$ -
33	MAC	Pickleball	35	175	\$ 1,750.00	0	0	\$ -
34	MAC	Tennis	<u>95</u>	<u>475</u>	<u>\$ 4,750.00</u>	<u>0</u>	<u>0</u>	<u>\$ -</u>
35	Total		1027	5135	\$ 51,350.00	0	0	\$ -

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
36	Hickory	H1	582	2328	\$ 23,280.00	12	48	\$ 720.00
37	Hickory	H2	220	880	\$ 8,800.00	44	176	\$ 2,640.00
38	Total		802	3208	\$ 32,080.00	56	224	\$ 3,360.00
39	Locust	L1	170	680	\$ 6,800.00	12	48	\$ 720.00
40	Aspen	A1	215	860	\$ 8,600.00	92	368	\$ 5,520.00
41	Poplar	P1	2085	8340	\$ 83,400.00	220	880	\$ 13,200.00
42	Lobo	Lobo1	150	600	\$ 6,000.00	8	32	\$ 480.00
43	Bramble	Bramble 1	235	940	\$ 9,400.00	20	80	\$ 1,200.00
44	Lakewood BLVD	LWBLVD1	1675	6700	\$ 67,000.00	84	336	\$ 5,040.00

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
45	East Marina	EM1	180	720	\$ 7,200.00	0	0	\$ -
46	East Marina	EM2	<u>1130</u>	<u>4520</u>	<u>\$ 45,200.00</u>	<u>0</u>	<u>0</u>	<u>\$ -</u>
47	Total		1310	5240	\$ 52,400.00	0	0	\$ -
48	Chelmsford	Chelm1	225	900	\$ 9,000.00	10	40	\$ 600.00
49	Warrington	War1	100	400	\$ 4,000.00	5	20	\$ 300.00
50	Wicklow	Wick1	310	1240	\$ 12,400.00	38	152	\$ 2,280.00
51	Landings	Land1	250	1000	\$ 10,000.00	0	0	\$ -
52	Landings	Land2	165	660	\$ 6,600.00	0	0	\$ -
53	Landings	Land3	<u>140</u>	<u>560</u>	<u>\$ 5,600.00</u>	<u>0</u>	<u>0</u>	<u>\$ -</u>
54	Total		555	2220	\$ 22,200.00	0	0	\$ -

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
55	Bayview	Bay1	400	1600	\$ 16,000.00	140	560	\$ 8,400.00
56	Bayview	Bay2	100	400	\$ 4,000.00	0	0	\$ -
57	Bayview	Bay3	<u>210</u>	<u>840</u>	<u>\$ 8,400.00</u>	<u>0</u>	<u>0</u>	<u>\$ -</u>
58	Total		710	2840	\$ 28,400.00	140	560	\$ 8,400.00
59	Edgewater Drive	Edge Dr1	80	320	\$ 3,200.00	0	0	\$ -
60	Edgewater Court	Edge Ct1	85	340	\$ 3,400.00	0	0	\$ -
61	Sequoia	Sequoia 1	185	740	\$ 7,400.00	0	0	\$ -
62	Sequoia	Sequoia 2	<u>450</u>	<u>1800</u>	<u>\$ 18,000.00</u>	<u>40</u>	<u>160</u>	<u>\$ 2,400.00</u>
63	Total		635	2540	\$ 25,400.00	40	160	\$ 2,400.00

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
64	West Marina	WM1	185	740	\$ 7,400.00	0	0	\$ -
65	West Marina	WM2	30	120	\$ 1,200.00	0	0	\$ -
66	West Marina	WM3	15	60	\$ 600.00	0	0	\$ -
67	West Marina	WM4	140	560	\$ 5,600.00	0	0	\$ -
68	West Marina	WM5	<u>25</u>	<u>100</u>	<u>\$ 1,000.00</u>	<u>0</u>	<u>0</u>	<u>\$ -</u>
69	Total		395	1580	\$ 15,800.00	0	0	\$ -
70	EL V	Pool/Pavilion	310	1550	\$ 15,500.00	0	0	\$ -
71	ELV	Playground	<u>335</u>	<u>1675</u>	<u>\$ 16,750.00</u>	<u>0</u>	<u>0</u>	<u>\$ -</u>
72	Total		645	3225	\$ 32,250.00	0	0	\$ -
73	Delago	D1	165	660	\$ 6,600.00	0	0	\$ -

	Street	Designation	Total LF	Total SF	Est Value @\$10/SF	LF of Repair Needed	SF of of Repair Needed	Est Repair Cost @ \$15/SF
74	De La Mar	DLM1	150	600	\$ 6,000.00	20	80	\$ 1,200.00
75	De La Mar PL	DLMPL1	155	620	\$ 6,200.00	60	240	\$ 3,600.00
76	Shoreline Dr	Shore1	85	340	\$ 3,400.00	0	0	\$ -
77	Oaks	Playground	85	340	\$ 3,400.00	0	0	\$ -
78	Oaks AC	Pool/Pavilion	40	160	\$ 1,600.00	0	0	\$ -
79	Woods Chapel	Walk Path	2410	14460	\$ 144,600.00	90	540	\$ 8,100.00
80		Total	29790	125652	\$ 1,860,400.00	3113	12632	\$ 189,480.00
		Miles	5.64			10%	10%	