



Major and Local Street Ratings and Resurfacing Plans January 2024

An accurate pavement ratings evaluation is a tool that can provide a basis for comparing the quality of the roadway surface conditions throughout the City. The State of Michigan uses a method developed by the University of Wisconsin-Madison Transformation Center called PASER (Pavement Surface Evaluation and Rating) in rating roadways.

The PASER system rates each road segment on a scale of 1-10, with one being the worst condition and ten being the best condition. The ratings can give an idea of what the expected remaining service life of a roadway is, as well as aid in developing the appropriate maintenance activities.

Ratings	Required Maintenance
9 and 10	preventative maintenance including asphalt rejuvenators
7 and 8	routine maintenance including crack sealing
5 and 6	non-structural preservation including surface treatments
3 and 4	reactive maintenance including mill/overlay procedures
1 and 2	reconstruction

The goal of accurate pavement ratings is to establish a more balanced approach of maximizing road budgets by including maintenance of pavements in fair to good condition versus the often “worst-first” thinking, thus protecting the investment of past construction projects.

Using the PASER ratings can be a valuable tool in the decision making process. We can plan the budget with confidence, knowing there is a planned approach in identifying and prioritizing road projects and applying the right fix to the right pavement at the right time.

Our first PASER rating was completed in 2015 by staff from EMCOG. Tawas City has four staff members who are PASER certified to rate the streets and they have completed the ratings each year since, with the exception of 2021. That year we brought in a third party who is also PASER certified to rate the streets and ensure our ratings were unbiased and where they needed to be.

Based on ratings, traffic flows, other projects, and the budget, resurfacing projects for next six years are identified on the following spreadsheets, along with the current PASER ratings for each of our street segments. The recommended projects for the next six fiscal years are color coded at the top of the page. The resurfacing projects were chosen based on their

current ratings and/or scheduled projects. Each street segment has an estimated price to crush and shape the streets and the prices are based on a quote we received from Bolen Asphalt Paving with an anticipated 3% increase each year; if any of the segments can be paved with an overlay, the price will be less. The totals for the years include curbing at the intersections, as has been the practice when we've resurfaced with recent projects. You may notice that there are several fiscal years with projects identified that are not included in the totals for those years. They are included in the plan because they will be resurfaced that year; however they coincide with projects identified in other capital improvement plans (e.g., water, sewer, bridges, or drainage) and will not be paid with the funds that are allocated for street paving. For example, on the Major Street Resurfacing Plan, the some of the figures for Ninth Avenue in the 2027-28 fiscal year are not bold and are not included in the totals at the bottom; instead that resurfacing will be included with a water project and will be paid out of the Water Fund. Below is a summary of the funds needed for street paving over the next few years:

	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Major Streets	34,011	33,780	0	76,874	59,397	46,533
Local Streets	100,064	0	91,901	125,892	99,292	68,609
Total	134,075	33,780	91,901	202,766	158,689	115,142

The colors on the spreadsheets correspond with the included map that provides a visual of the streets that will be paved in the next five years. We have also updated the charts that summarize the conditions of our streets based on their PASER ratings for the last nine years. We will continue to update these charts on an annual basis to help track the impact of improvements and routine maintenance on our streets.

In July 2023, the City purchased crack sealing equipment for the DPW. The staff filled approximately 23,000 feet of cracks in our streets, which increased the overall rating of some road segments even though they were not resurfaced.

Each year City staff will update the PASER ratings, and we will continue to update the spreadsheets and always have at least a five-year plan for resurfacing to use as we develop future budgets. This plan is developed with the understanding that priorities may change as we identify other related projects or as other factors may determine, including funding. In addition to resurfacing, we will continue to conduct preventative and routine maintenance on the streets that don't require reconstruction to help prolong their lives.

PASER Rating	Street Name	From	To	Length in Feet	Width in feet	3%	3%	3%	3%	3%	3%	3%
						2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
OVERLAY; 1 1/2" HMA; 1' SHOULDER GRAVEL												
8	North Street	5th Avenue	4th Avenue	264	22	9,557	9,844	10,139	10,443	10,757	11,079	11,412
8	Whittemore Street	3rd Avenue	Lake State Railway	100	24	3,962	4,081	4,203	4,329	4,459	4,593	4,731
9	4th Street	10th Avenue	9th Avenue	338	22	12,233	12,600	12,978	13,367	13,768	14,182	14,607
9	4th Street	11th Avenue	10th Avenue	317	22	11,469	11,813	12,167	12,532	12,908	13,295	13,694
9	4th Street	12th Avenue	11th Avenue	333	22	12,042	12,403	12,775	13,159	13,553	13,960	14,379
9	4th Street	7th Avenue	6th Avenue	243	22	8,793	9,056	9,328	9,608	9,896	10,193	10,499
9	4th Street	8th Avenue	7th Avenue	343	22	12,424	12,797	13,181	13,576	13,984	14,403	14,835
9	4th Street	9th Avenue	8th Avenue	348	22	12,615	12,994	13,384	13,785	14,199	14,625	15,063
9	4th Street	city limit	12th Avenue	290	22	10,513	10,828	11,153	11,488	11,832	12,187	12,553
9	North Street	6th Avenue	5th Avenue	396	22.83	14,877	15,323	15,783	16,256	16,744	17,246	17,763
9	North Street	7th Avenue	6th Avenue	338	22.83	12,695	13,075	13,468	13,872	14,288	14,717	15,158
9	North Street	8th Avenue	7th Avenue	343	22.83	12,893	13,280	13,678	14,089	14,511	14,947	15,395
9	North Street	9th Avenue	8th Avenue	370	22.83	13,885	14,301	14,730	15,172	15,627	16,096	16,579
9	Oak Street	East Lake Street	Lake State Railway	412	30	20,331	20,941	21,569	22,216	22,882	23,569	24,276
9	Roundhouse Avenue	East Lake Street	Lake State Railway	1040	34	58,194	59,940	61,738	63,590	65,498	67,463	69,487

CURBS AND GRAVEL

						11,170	15,120	0	19,150	0	0	
						(21,631)						
							(74,642)					
						34,011	33,780	0	76,874	59,397	46,533	0
						134,075	33,780	91,901	202,766	158,689	115,142	0

PASER Rating	Street Name	From	To	Length in Feet	Width in feet	3%	3%	3%	3%	3%	3%	3%
						2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
4	Beech Street	East Lake Street	Lake State Railway	306	22	11,086	11,621	11,970	12,329	12,699	13,080	13,472
4	Beech Street	Lake State Railway	Court Street	21	22	765	801	825	850	876	902	929
4	Court Street	Hemlock Street	Maple Street	465	20	15,291	16,029	16,510	17,005	17,515	18,041	18,582
4	Court Street	Maple Street	Beech Street	364	20	11,990	12,568	12,945	13,334	13,734	14,146	14,570
4	Elms Avenue	Crocker Boulevard	Bay Drive	560	22	20,261	21,238	21,875	22,532	23,208	23,904	24,621
4	Hilltop Road	Townline Road	Grove Street	195	22	7,072	7,413	7,636	7,865	8,101	8,344	8,594
4	Spruce Street	Maple Street	Beech Street	385	22	13,953	14,626	15,065	15,517	15,983	16,462	16,956
4	Victoria Lane	Roberta Drive	Roberta Drive	190	22	6,881	7,213	7,429	7,652	7,882	8,118	8,362
4	Whittemore Street	6th Avenue	5th Avenue	338	22	12,233	12,823	13,208	13,604	14,012	14,433	14,866
5	2nd Avenue	1st Street	North Street	148	22	5,352	5,610	5,778	5,952	6,130	6,314	6,504
5	2nd Street	10th Avenue	Harris Avenue	512	22	18,541	19,435	20,018	20,619	21,237	21,874	22,531
5	4th Avenue	Whittemore Street	2nd Street	428	22	15,483	16,229	16,716	17,218	17,734	18,266	18,814
5	7th Avenue	North Street	1st Street	644	22	23,319	24,444	25,177	25,933	26,711	27,512	28,337
5	9th Avenue	1st Street	North Street	475	22	17,203	18,033	18,574	19,131	19,705	20,296	20,905
5	9th Avenue	Harris Avenue	1st Street	475	22	17,203	18,033	18,574	19,131	19,705	20,296	20,905
5	Bay Drive	Elms Avenue	West Lake Street	1975	22	71,487	74,935	77,183	79,499	81,884	84,340	86,870
5	Bay Drive	Townline Road	Elms Avenue	459	22	16,629	17,431	17,954	18,493	19,048	19,619	20,208
5	Birch Street	West Lake Street	Court Street	306	22	11,086	11,621	11,970	12,329	12,699	13,080	13,472
5	Elms Avenue	Nanette Street	West Lake Street	275	22	9,939	10,419	10,731	11,053	11,385	11,726	12,078
5	Murphy Street	North Street	Spring Street	338	22	12,233	12,823	13,208	13,604	14,012	14,433	14,866
5	Spring Street	River Street	Murphy Street	317	22	11,469	12,022	12,382	12,754	13,136	13,531	13,936
5	Wheeler Street	1st Avenue	dead end or start	248	22	8,984	9,417	9,700	9,990	10,290	10,599	10,917
6	7th Avenue	2nd Street	Whittemore Street	422	22	15,291	16,029	16,510	17,005	17,515	18,041	18,582
8	10th Avenue	beginning of gravel road	4th Street	243	22	8,793	9,217	9,493	9,778	10,071	10,373	10,685
8	4th Avenue	1st Street	North Street	655	22	23,702	24,845	25,590	26,358	27,149	27,963	28,802
8	4th Avenue	2nd Street	1st Street	660	22	23,893	25,045	25,797	26,570	27,368	28,189	29,034
8	6th Avenue	2nd Street	1st Street	660	22	23,893	25,045	25,797	26,570	27,368	28,189	29,034
8	6th Avenue	Mathews Street	Whittemore Street	417	22	15,100	15,829	16,303	16,793	17,296	17,815	18,350
8	6th Avenue	Whittemore Street	2nd Street	422	22	15,291	16,029	16,510	17,005	17,515	18,041	18,582
8	8th Avenue	1st Street	North Street	644	22	23,319	24,444	25,177	25,933	26,711	27,512	28,337
8	Beech Street	Fir Street	Cedar Street	333	22	12,042	12,623	13,001	13,392	13,793	14,207	14,633
8	Beech Street	German Street	Fir Street	322	22	11,660	12,222	12,589	12,966	13,355	13,756	14,169
8	North Street	Murphy Street	Lake State Railway	253	22	9,175	9,617	9,906	10,203	10,509	10,824	11,149
8	North Street	River Street	Murphy Street	312	22	11,277	11,821	12,176	12,541	12,917	13,305	13,704
8	Spring Street	Murphy Street	dead end or start	359	22	12,998	13,625	14,033	14,454	14,888	15,335	15,795
8	Whittemore Street	7th Avenue	6th Avenue	354	22	12,807	13,424	13,827	14,242	14,669	15,109	15,562
9	10th Avenue	4th Street	dead end or start	565	22	20,452	21,439	22,082	22,744	23,427	24,129	24,853
9	10th Avenue	5th Street	beginning of gravel road	417	22	15,100	15,829	16,303	16,793	17,296	17,815	18,350
9	11th Avenue	4th Street	5th Street	655	22	23,702	24,845	25,590	26,358	27,149	27,963	28,802
9	12th Avenue	5th Street	4th Street	649	22	23,511	24,644	25,384	26,145	26,930	27,738	28,570
9	2nd Street	3rd Avenue	2nd Avenue	312	22	11,277	11,821	12,176	12,541	12,917	13,305	13,704
9	2nd Street	4th Avenue	3rd Avenue	322	22	11,660	12,222	12,589	12,966	13,355	13,756	14,169
9	3rd Avenue	1st Street	North Street	569	22	20,598	21,592	22,240	22,907	23,594	24,302	25,031
9	3rd Avenue	2nd Street	1st Street	590	22	21,359	22,389	23,061	23,752	24,465	25,199	25,955
9	3rd Avenue	Whittemore Street	2nd Street	315	22	11,403	11,953	12,312	12,681	13,062	13,454	13,857
9	Beech Street	Court Street	Spruce Street	285	22	10,322	10,820	11,144	11,478	11,823	12,177	12,543
9	Beech Street	Spruce Street	German Street	111	22	4,014	4,208	4,334	4,464	4,598	4,736	4,878
9	Court Street	dead end or start	1st Street	618	22	22,364	23,442	24,146	24,870	25,616	26,385	27,176
9	Roberta Drive	5th Avenue	Victoria Lane	444	22	16,056	16,830	17,335	17,855	18,391	18,943	19,511
9	Roberta Drive	John Street	1st Avenue	797	22	28,863	30,255	31,162	32,097	33,060	34,052	35,073
9	Roberta Drive	Victoria Lane	John Street	375	22	13,571	14,226	14,652	15,092	15,545	16,011	16,491

CURBS AND GRAVEL

						16,400	0	8,951	9,775	15,000	6,250	
						(80,284)						
						100,064	0	91,901	125,892	99,292	68,609	0
						134,075	33,780	91,901	202,766	158,689	115,142	0

LESS TEDF CATEGORY B GRANT

TOTAL OF PROJECTS IDENTIFIED FOR EACH YEAR

Street Resurfacing

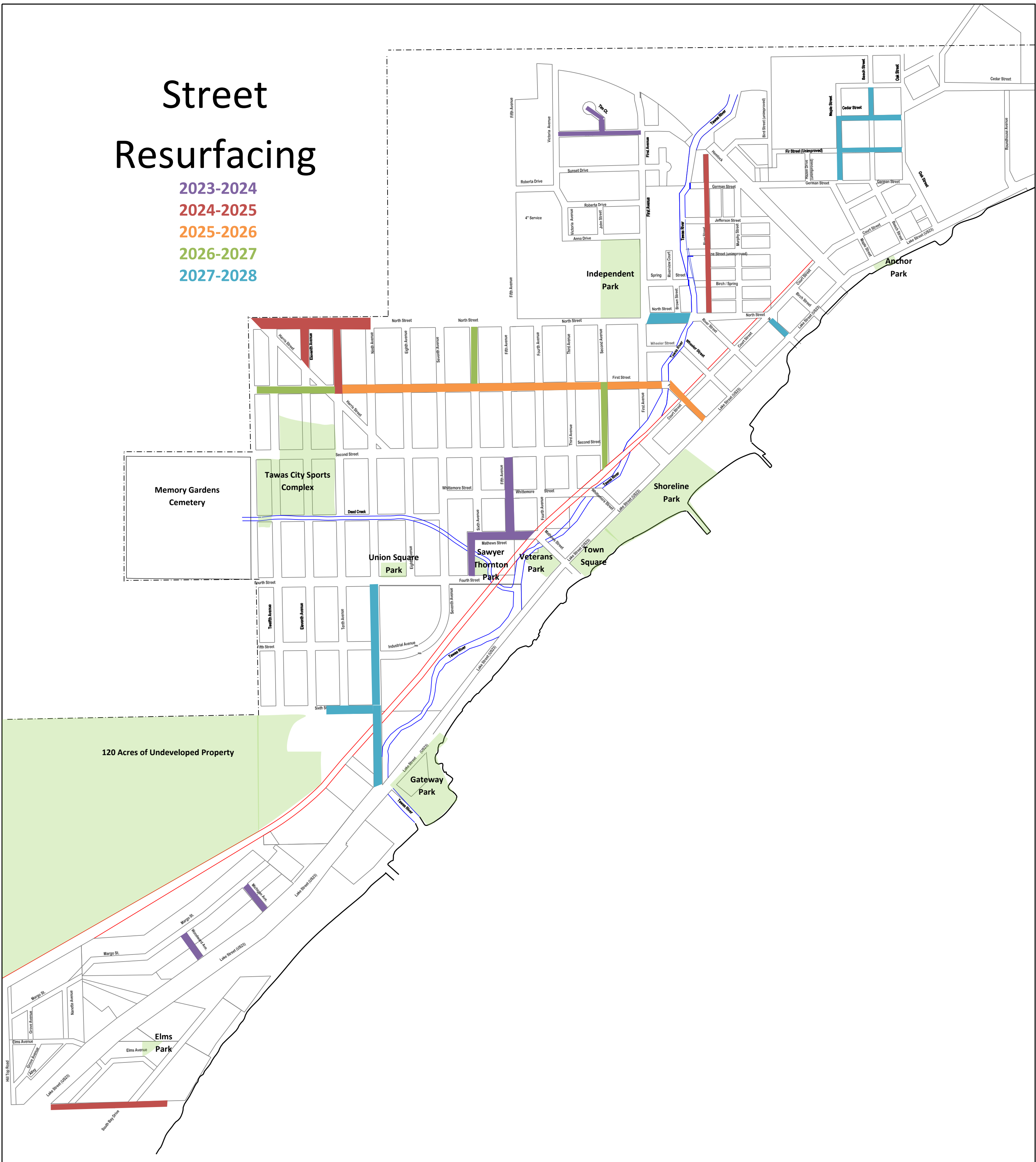
2023-2024

2024-2025

2025-2026

2026-2027

2027-2028

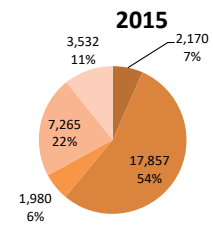
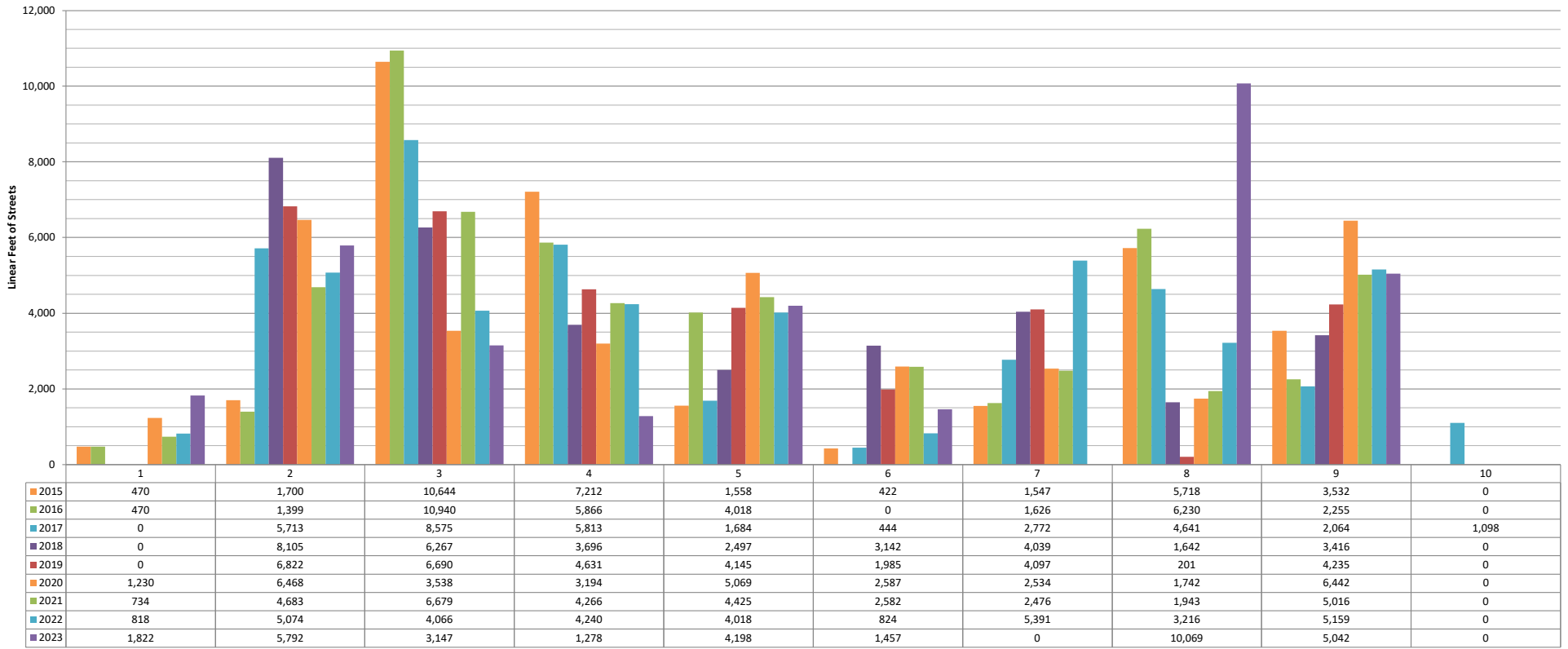


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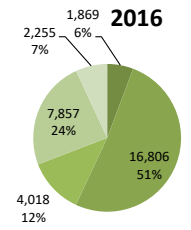
BRIDGE RECONSTRUCTION PLAN

Street Name	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
DESCRIPTION OF WORK						
General Fund contribution	100,000	100,000	100,000	100,000	0	24,520
transfer from reserves						
bridge maintenance - Mathews Street						
bridge maintenance - First Street						
bridge maintenance - Sixth Avenue				(400,000)		
bridge maintenance - Whittemore Street						(25,000)
BRIDGE RECONSTRUCTION FUND	100,480	200,480	300,480	480	480	0

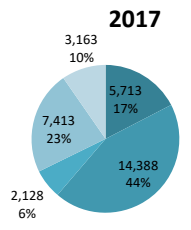
Major Street PASER Ratings



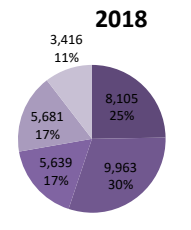
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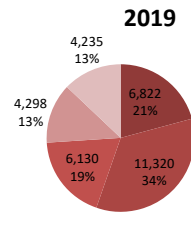
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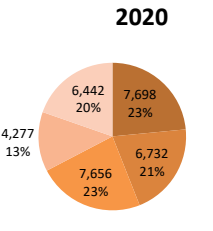
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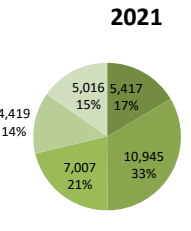
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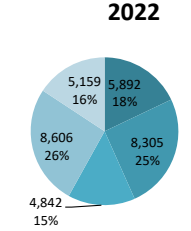
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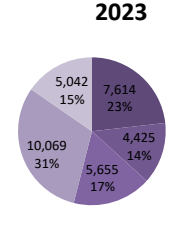
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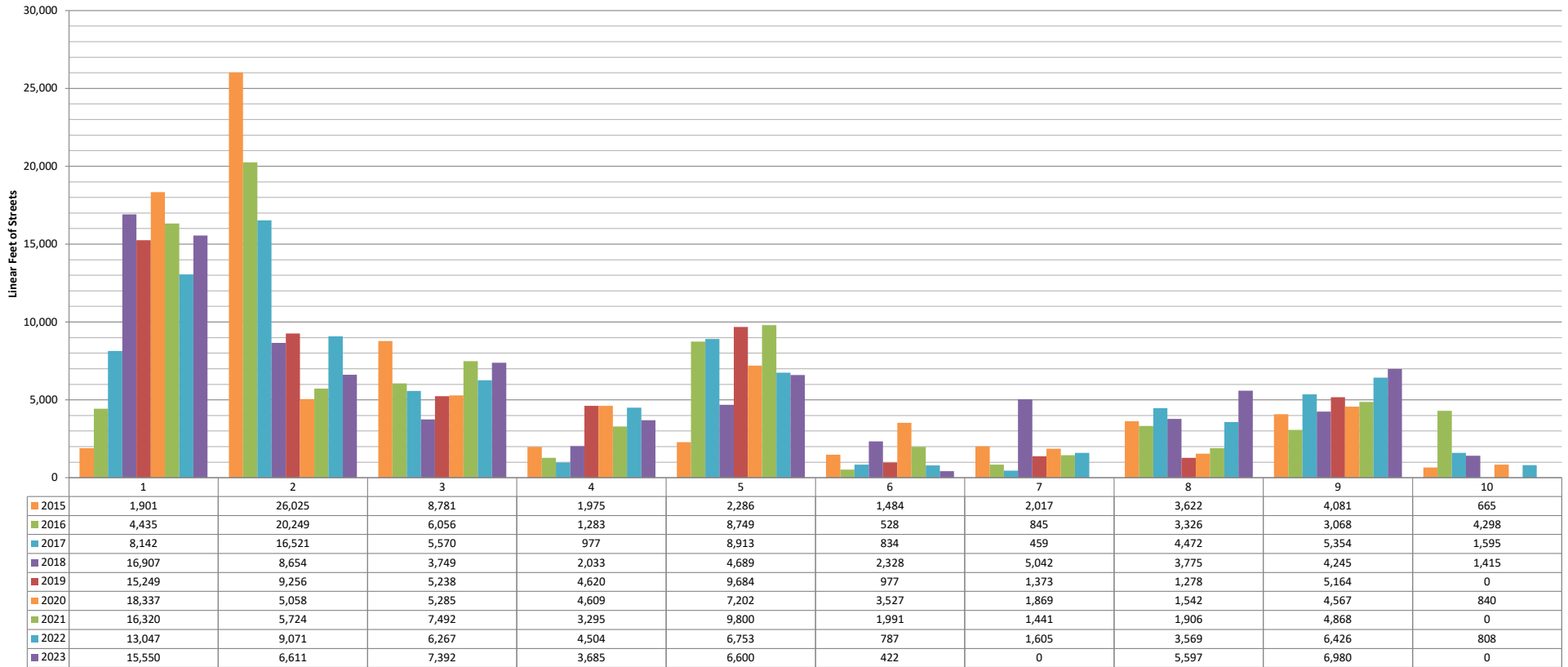


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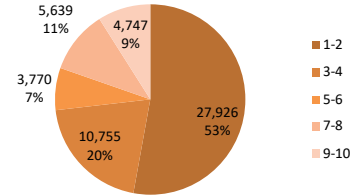


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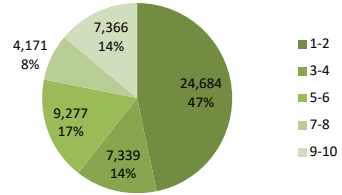
Local Street PASER Ratings



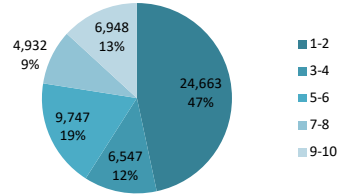
2015



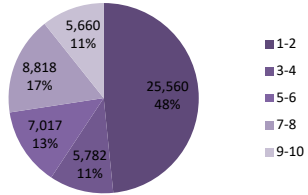
2016



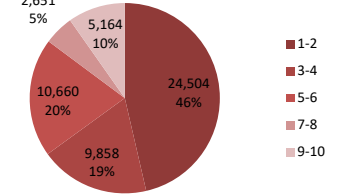
2017



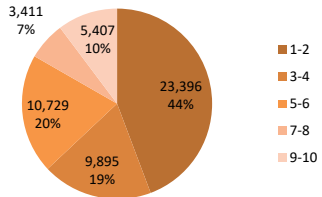
2018



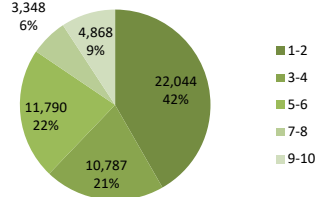
2019



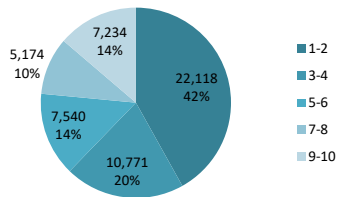
2020



2021



2022



2023

