



Major and Local Street Ratings and Resurfacing Plans January 2020

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.

Based on ratings, traffic flows, other projects, and the budget, resurfacing projects for next five years are identified on the following spreadsheets, along with the current PASER ratings for each of our streets. The recommended projects for the next five fiscal years are color coded at the top of the page. These were chosen based on their current ratings and/or scheduled projects. The streets highlighted in yellow below the identified projects are the projects that have been completed since we began the PASER rating system in 2015 and you will see that they have some of the highest PASER ratings. 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 bottom line 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. The estimated total for the 2020-2021 fiscal year in the Major Street Resurfacing Plan is much higher than other years with an estimate of \$94,423. As reported in prior years, because Fifth Avenue is a non-trunkline federal aid eligible route, we are planning to share 50% of the cost to resurface Fifth Avenue with the Iosco County Road Commission.

The colors on the spreadsheets correspond with the included map that provides a visual of the streets that have been paved or will be paved in the next few years. The streets that are yellow, which illustrate the streets that have recently been paved, include projects dating back to 2007. Again this year we have also included charts that summarize the conditions of our streets based on their PASER ratings for the last five 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.

Each year City staff will update the PASER ratings and we will continue to update the spreadsheets and always have at least a four-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. 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.

MAJOR STREET RESURFACING PLAN

| PASER Rating | Street Name | From | To | Length in Feet | Length | | | | | |
|--|-------------------|--------------------|--------------------|----------------|---------|---------|---------|---------|---------|---------|
| | | | | | 2015-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 |
| CRUSH AND SHAPE; 2 1/2" HMA; 1' SHOULDER GRAVEL | | | | | | | | | | |
| 5 | 5th Avenue | 1st Street | North Street | 665 | 0 | 14,370 | 22,792 | 23,476 | 24,180 | 24,906 |
| 4 | 5th Avenue | North Street | Roberta Drive | 1352 | 0 | 29,196 | 46,308 | 47,697 | 49,128 | 50,602 |
| 3 | 5th Avenue | Roberta Drive | Hemlock Street | 1373 | 0 | 29,652 | 47,031 | 48,442 | 49,896 | 51,392 |
| 2 | Mathews Street | Lake State Railway | 4th Avenue | 58 | 0 | 1,255 | 1,990 | 2,049 | 2,111 | 2,174 |
| 2 | 1st Avenue | Anna Drive | Roberta Drive | 338 | 0 | 10,303 | 10,612 | 10,931 | 11,258 | 11,596 |
| 2 | 1st Avenue | Roberta Drive | Sunset Drive | 359 | 0 | 10,947 | 11,275 | 11,614 | 11,962 | 12,321 |
| 2 | 1st Avenue | Sunset Drive | Manor Drive | 359 | 0 | 10,947 | 11,275 | 11,614 | 11,962 | 12,321 |
| 2 | 1st Avenue | Manor Drive | Hemlock Street | 512 | 0 | 15,616 | 16,084 | 16,567 | 17,064 | 17,576 |
| 2 | Oak Street | East Lake Street | Lake State Railway | 412 | 0 | 17,123 | 17,637 | 18,166 | 18,711 | 19,272 |
| 2 | 6th Avenue | 4th Street | Mathews Street | 496 | 0 | 16,508 | 17,004 | 17,514 | 18,039 | 18,580 |
| 3 | 4th Street | city limit | 12th Avenue | 290 | 0 | 8,854 | 9,120 | 9,393 | 9,675 | 9,966 |
| 3 | 4th Street | 12th Avenue | 11th Avenue | 333 | 0 | 10,142 | 10,446 | 10,760 | 11,083 | 11,415 |
| 3 | 4th Street | 11th Avenue | 10th Avenue | 317 | 0 | 9,659 | 9,949 | 10,247 | 10,555 | 10,871 |
| 3 | 4th Street | 10th Avenue | 9th Avenue | 338 | 0 | 10,303 | 10,612 | 10,931 | 11,258 | 11,596 |
| 3 | 4th Street | 9th Avenue | 8th Avenue | 348 | 0 | 10,625 | 10,944 | 11,272 | 11,610 | 11,959 |
| 3 | 4th Street | 8th Avenue | 7th Avenue | 343 | 0 | 10,464 | 10,778 | 11,101 | 11,434 | 11,777 |
| 4 | 4th Street | 7th Avenue | 6th Avenue | 243 | 0 | 7,405 | 7,628 | 7,856 | 8,092 | 8,335 |
| 2 | North Street | Harris Avenue | Randall Street | 84 | 0 | 2,576 | 2,653 | 2,733 | 1,828 | 2,899 |
| 2 | North Street | Randall Street | 11th Avenue | 354 | 0 | 10,786 | 11,110 | 11,443 | 7,654 | 12,140 |
| 2 | North Street | 11th Avenue | 10th Avenue | 327 | 0 | 9,981 | 10,281 | 10,589 | 7,083 | 11,234 |
| 2 | North Street | 10th Avenue | 9th Avenue | 322 | 0 | 9,820 | 10,115 | 10,418 | 6,969 | 11,053 |
| 2 | North Street | 9th Avenue | 8th Avenue | 370 | 0 | 11,269 | 11,607 | 11,955 | 7,997 | 12,683 |
| 2 | North Street | 8th Avenue | 7th Avenue | 343 | 0 | 10,464 | 10,778 | 11,101 | 7,425 | 11,777 |
| 2 | North Street | 7th Avenue | 6th Avenue | 338 | 0 | 10,303 | 10,612 | 10,931 | 7,311 | 11,596 |
| 2 | North Street | 6th Avenue | 5th Avenue | 396 | 0 | 12,074 | 12,436 | 12,809 | 8,568 | 13,589 |
| 3 | Harris Avenue | city limit | North Street | 37 | 0 | 1,537 | 1,583 | 1,630 | 1,090 | 1,730 |
| 2 | 1st Street | 10th Avenue | 9th Avenue | 327 | 0 | 9,981 | 10,281 | 10,589 | 10,907 | 11,234 |
| 2 | 1st Street | 9th Avenue | 8th Avenue | 364 | 0 | 11,108 | 11,441 | 11,785 | 12,138 | 12,502 |
| 4 | 1st Street | 8th Avenue | 7th Avenue | 348 | 0 | 10,625 | 10,944 | 11,272 | 11,610 | 11,959 |
| 3 | 1st Street | 7th Avenue | 6th Avenue | 348 | 0 | 10,625 | 10,944 | 11,272 | 11,610 | 11,959 |
| 3 | 1st Street | 6th Avenue | 5th Avenue | 338 | 0 | 10,303 | 10,612 | 10,931 | 11,258 | 11,596 |
| 2 | 1st Street | 5th Avenue | 4th Avenue | 327 | 0 | 9,981 | 10,281 | 10,589 | 10,907 | 11,234 |
| 2 | 9th Avenue | West Lake Street | Lake State Railway | 734 | 0 | 24,411 | 25,144 | 25,898 | 26,675 | 27,475 |
| 4 | 9th Avenue | Lake State Railway | 6th Street | 111 | 0 | 3,688 | 3,799 | 3,913 | 4,030 | 4,151 |
| 9 | North Street | 5th Avenue | 4th Avenue | 264 | 0 | 8,049 | 8,291 | 8,540 | 8,796 | 9,060 |
| 9 | North Street | 3rd Avenue | 2nd Avenue | 338 | 0 | 10,303 | 10,612 | 10,931 | 11,258 | 11,596 |
| 9 | North Street | 2nd Avenue | 1st Avenue | 407 | 0 | 12,396 | 12,768 | 13,151 | 13,545 | 13,952 |
| 9 | North Street | 4th Avenue | 3rd Avenue | 333 | 0 | 10,142 | 10,446 | 10,760 | 11,083 | 11,415 |
| 9 | 1st Avenue | Spring Street | Anna Drive | 475 | 0 | 14,489 | 14,923 | 15,371 | 15,832 | 16,307 |
| 9 | 5th Avenue | 2nd Street | 1st Street | 665 | 0 | 20,284 | 20,893 | 21,520 | 22,165 | 22,830 |
| 9 | Harris Avenue | 10th Avenue | 9th Avenue | 470 | 0 | 15,630 | 16,099 | 16,582 | 17,080 | 17,592 |
| 9 | Harris Avenue | 9th Avenue | 2nd Street | 238 | 0 | 7,903 | 8,140 | 8,384 | 8,636 | 8,895 |
| 9 | 1st Avenue | 1st Street | Wheeler Street | 364 | 0 | 11,108 | 11,441 | 11,785 | 12,138 | 12,502 |
| 9 | 1st Avenue | Wheeler Street | North Street East | 327 | 0 | 9,981 | 10,281 | 10,589 | 10,907 | 11,234 |
| 9 | 1st Avenue | North Street East | Spring Street | 354 | 0 | 10,786 | 11,110 | 11,443 | 11,786 | 12,140 |
| 8 | 2nd Street | Harris Avenue | 8th Avenue | 201 | 0 | 6,674 | 6,874 | 7,080 | 7,292 | 7,511 |
| 7 | German Street | Hemlock Street | Maple Street | 855 | 0 | 28,451 | 29,304 | 30,183 | 31,089 | 32,021 |
| 7 | German Street | Maple Street | Beech Street | 322 | 0 | 10,713 | 11,034 | 11,365 | 11,706 | 12,057 |
| 7 | German Street | Beech Street | Spruce Street | 290 | 0 | 9,659 | 9,949 | 10,247 | 10,555 | 10,871 |
| 7 | German Street | Spruce Street | Oak Street | 95 | 0 | 3,161 | 3,256 | 3,354 | 3,454 | 3,558 |
| 4 | German Street | Maple Street | Maple Street | 79 | 0 | 2,634 | 2,713 | 2,795 | 2,879 | 2,965 |
| 4 | Harris Avenue | 1st Street | 10th Avenue | 190 | 0 | 6,322 | 6,512 | 6,707 | 6,909 | 7,116 |
| 7 | 2nd Street | 8th Avenue | 7th Avenue | 338 | 0 | 11,240 | 11,577 | 11,924 | 12,282 | 12,650 |
| 7 | 2nd Street | 7th Avenue | 6th Avenue | 359 | 0 | 11,942 | 12,301 | 12,670 | 13,050 | 13,441 |
| 7 | Whittemore Street | 5th Avenue | 4th Avenue | 327 | 0 | 10,889 | 11,215 | 11,552 | 11,898 | 12,255 |
| 7 | Oak Street | German Street | Fir Street | 301 | 0 | 12,513 | 12,888 | 13,275 | 13,673 | 14,084 |
| 7 | Oak Street | Fir Street | Cedar Street | 343 | 0 | 14,269 | 14,697 | 15,138 | 15,592 | 16,060 |
| 7 | Whittemore Street | 4th Avenue | 3rd Avenue | 317 | 0 | 10,537 | 10,853 | 11,179 | 11,514 | 11,860 |
| 7 | Whittemore Street | 3rd Avenue | Lake State Railway | 100 | 0 | 3,337 | 3,437 | 3,540 | 3,646 | 3,756 |
| 7 | Cedar Street | Oak Street | Ottawa Street | 449 | 0 | 18,660 | 19,220 | 19,796 | 20,390 | 21,002 |
| 6 | Whittemore Street | Lake State Railway | West Lake Street | 444 | 0 | 14,752 | 15,195 | 15,651 | 16,120 | 16,604 |

| PASER Rating | Street Name | From | To | Length in Feet | 2015-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 |
|---|-------------------|--------------------|--------------------|-------------------|--|---------------|---------------|---------------|---------------|---------------|
| | | | | | CRUSH AND SHAPE; 2 1/2" HMA; 1' SHOULDER GRAVEL | | | | | |
| 6 | 2nd Street | 6th Avenue | 5th Avenue | 333 | 0 | 11,064 | 11,396 | 11,738 | 12,090 | 12,453 |
| 6 | Oak Street | Lake State Railway | German Street | 169 | 0 | 7,025 | 7,236 | 7,453 | 7,676 | 7,907 |
| 6 | Roundhouse Avenue | East Lake Street | Lake State Railway | 1040 | 0 | 49,013 | 50,483 | 51,998 | 53,558 | 55,165 |
| 5 | Industrial Avenue | 9th Avenue | 7th Avenue | 850 | 0 | 28,275 | 29,123 | 29,997 | 30,897 | 31,824 |
| 5 | Mathews Street | Hamilton Street | 5th Avenue | 227 | 0 | 6,922 | 7,130 | 7,344 | 7,564 | 7,791 |
| 5 | 1st Street | Court Street | West Lake Street | 301 | 0 | 11,679 | 12,029 | 12,390 | 12,762 | 13,145 |
| 5 | Cedar Street | Roundhouse Avenue | city limit | 438 | 0 | 18,221 | 18,767 | 19,330 | 19,910 | 20,508 |
| 5 | 7th Avenue | Industrial Avenue | 4th Street | 422 | 0 | 12,879 | 13,265 | 13,663 | 14,073 | 14,495 |
| 5 | Mathews Street | West Lake Street | 4th Avenue | 354 | 0 | 11,767 | 12,120 | 12,483 | 12,858 | 13,243 |
| 5 | Oak Street | Cedar Street | Cedar Street | 79 | 0 | 3,293 | 3,392 | 3,493 | 3,598 | 3,706 |
| 5 | 1st Street | Harris Avenue | 10th Avenue | 132 | 0 | 4,025 | 4,145 | 4,270 | 4,398 | 4,530 |
| 5 | Roundhouse Avenue | Lake State Railway | Cedar Street | 42 | 0 | 1,990 | 2,050 | 2,112 | 2,175 | 2,240 |
| 5 | Cedar Street | Ottawa Street | Roundhouse Avenue | 634 | 0 | 26,343 | 27,133 | 27,947 | 28,786 | 29,649 |
| 4 | 5th Avenue | Mathews Street | Whittemore Street | 422 | 0 | 12,879 | 13,265 | 13,663 | 14,073 | 14,495 |
| 4 | 9th Avenue | 6th Street | Industrial Avenue | 549 | 0 | 18,265 | 18,813 | 19,377 | 19,958 | 20,557 |
| 4 | 9th Avenue | Industrial Avenue | 5th Street | 84 | 0 | 2,810 | 2,894 | 2,981 | 3,070 | 3,163 |
| 4 | Harris Avenue | North Street | 11th Avenue | 612 | 0 | 25,465 | 26,229 | 27,016 | 27,826 | 28,661 |
| 4 | Harris Avenue | 11th Avenue | 1st Street | 285 | 0 | 11,854 | 12,210 | 12,576 | 12,954 | 13,342 |
| 4 | Mathews Street | 6th Avenue | Hamilton Street | 106 | 0 | 3,512 | 3,618 | 3,726 | 3,838 | 3,953 |
| 4 | Mathews Street | 5th Avenue | Lake State Railway | 248 | 0 | 8,254 | 8,502 | 8,757 | 9,020 | 9,290 |
| 3 | 1st Street | 4th Avenue | 3rd Avenue | 322 | 0 | 9,820 | 10,115 | 10,418 | 10,731 | 11,053 |
| 3 | 1st Street | 3rd Avenue | 2nd Avenue | 327 | 0 | 9,981 | 10,281 | 10,589 | 10,907 | 11,234 |
| 3 | 1st Street | 2nd Avenue | 1st Avenue | 401 | 0 | 12,235 | 12,602 | 12,980 | 13,369 | 13,771 |
| 3 | 1st Street | 1st Avenue | Lake State Railway | 465 | 0 | 15,455 | 15,918 | 16,396 | 16,888 | 17,394 |
| 3 | 1st Street | Lake State Railway | Court Street | 21 | 0 | 644 | 663 | 683 | 704 | 725 |
| 3 | 5th Avenue | Whittemore Street | 2nd Street | 422 | 0 | 12,879 | 13,265 | 13,663 | 14,073 | 14,495 |
| 3 | 9th Avenue | 5th Street | 4th Street | 665 | 0 | 22,128 | 22,792 | 23,476 | 24,180 | 24,906 |
| CURBS AND GRAVEL | | | | | | 19,950 | 17,089 | 2,894 | 9,116 | 16,000 |
| TOTAL OF PROJECTS IDENTIFIED FOR EACH YEAR | | | | | 176,288 | 93,168 | 83,972 | 74,454 | 65,041 | 86,484 |

LOCAL STREET RESURFACING PLAN

| PASER Rating | Street Name | From | To | Length in Feet | Length | | | | | |
|--|-------------------|--------------------|--------------------|----------------|---------|---------|---------|---------|---------|---------|
| | | | | | 2015-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 |
| CRUSH AND SHAPE; 2 1/2" HMA; 1' SHOULDER GRAVEL | | | | | | | | | | |
| 1 | 2nd Street | 4th Avenue | 3rd Avenue | 322 | 0 | 9,591 | 9,879 | 10,175 | 10,481 | 10,795 |
| 1 | 2nd Street | 3rd Avenue | 2nd Avenue | 312 | 0 | 9,277 | 9,555 | 9,842 | 10,137 | 10,441 |
| 1 | 6th Avenue | Mathews Street | Whittemore Street | 417 | 0 | 12,421 | 12,794 | 13,178 | 13,573 | 13,981 |
| 1 | 6th Avenue | Whittemore Street | 2nd Street | 422 | 0 | 12,579 | 12,956 | 13,345 | 13,745 | 14,157 |
| 1 | Court Street | dead end or start | 1st Street | 300 | 0 | 8,934 | 9,202 | 9,478 | 9,762 | 10,055 |
| 1 | Townline Road | West Lake Street | Crocker Boulevard | 459 | 0 | 13,679 | 14,090 | 14,512 | 14,948 | 15,396 |
| 1 | Townline Road | Crocker Boulevard | Bay Drive | 512 | 0 | 15,252 | 15,709 | 16,181 | 16,666 | 17,166 |
| 1 | Townline Road | Bay Drive | dead end or start | 486 | 0 | 7,233 | 7,450 | 7,673 | 7,903 | 8,141 |
| 1 | North Street | Court Street | West Lake Street | 306 | 0 | 9,949 | 10,247 | 10,555 | 10,871 | 11,197 |
| 1 | Roberta Drive | 5th Avenue | Victoria Lane | 444 | 0 | 13,208 | 13,604 | 14,012 | 14,432 | 14,865 |
| 1 | Roberta Drive | Victoria Lane | John Street | 375 | 0 | 11,164 | 11,499 | 11,843 | 12,199 | 12,565 |
| 1 | Roberta Drive | John Street | 1st Avenue | 797 | 0 | 23,742 | 24,455 | 25,188 | 25,944 | 26,722 |
| 1 | 10th Avenue | 5th Street | 4th Street | 655 | 0 | 19,505 | 20,091 | 20,693 | 21,314 | 21,953 |
| 1 | 10th Avenue | 4th Street | dead end or start | 565 | 0 | 16,824 | 17,329 | 17,849 | 18,384 | 18,936 |
| 1 | 11th Avenue | 4th Street | 5th Street | 655 | 0 | 19,497 | 20,082 | 20,684 | 21,305 | 21,944 |
| 1 | 3rd Avenue | Whittemore Street | 2nd Street | 412 | 0 | 12,264 | 12,632 | 13,011 | 13,401 | 13,804 |
| 1 | 3rd Avenue | 2nd Street | 1st Street | 665 | 0 | 19,812 | 20,406 | 21,018 | 21,649 | 22,298 |
| 2 | 3rd Avenue | 1st Street | North Street | 660 | 0 | 19,654 | 20,244 | 20,851 | 21,477 | 22,121 |
| 1 | 10th Avenue | 1st Street | North Street | 644 | 0 | 19,183 | 19,758 | 20,351 | 20,961 | 21,590 |
| 1 | 11th Avenue | Harris Avenue | North Street West | 454 | 0 | 13,522 | 13,928 | 14,346 | 14,776 | 15,219 |
| 1 | River Street | North Street | Spring Street | 327 | 0 | 9,749 | 10,041 | 10,342 | 10,652 | 10,972 |
| 1 | River Street | Spring Street | Jefferson Street | 628 | 0 | 18,711 | 19,272 | 19,850 | 20,446 | 21,059 |
| 1 | River Street | Jefferson Street | German Street | 375 | 0 | 11,164 | 11,499 | 11,843 | 12,199 | 12,565 |
| 1 | River Street | German Street | dead end or start | 317 | 0 | 9,434 | 9,717 | 10,009 | 10,309 | 10,618 |
| 9 | Beech Street | German Street | Fir Street | 322 | 0 | 9,591 | 9,879 | 10,175 | 10,481 | 10,795 |
| 9 | Beech Street | Fir Street | Cedar Street | 333 | 0 | 9,906 | 10,203 | 10,509 | 10,824 | 11,149 |
| 9 | Beech Street | Court Street | Spruce Street | 285 | 0 | 8,491 | 8,745 | 9,008 | 9,278 | 9,556 |
| 9 | Wheeler Street | 1st Avenue | dead end or start | 248 | 0 | 7,390 | 7,612 | 7,840 | 8,075 | 8,318 |
| 9 | Beech Street | Spruce Street | German Street | 111 | 0 | 3,302 | 3,401 | 3,503 | 3,608 | 3,716 |
| 9 | 4th Avenue | 1st Street | North Street | 655 | 0 | 19,497 | 20,082 | 20,684 | 21,305 | 21,944 |
| 9 | Birch Street | Murphy Street | dead end or start | 359 | 0 | 10,692 | 11,013 | 11,343 | 11,683 | 12,034 |
| 9 | Murphy Street | North Street | Spring Street | 338 | 0 | 10,063 | 10,365 | 10,676 | 10,996 | 11,326 |
| 9 | North Street | River Street | Murphy Street | 312 | 0 | 9,277 | 9,555 | 9,842 | 10,137 | 10,441 |
| 9 | 2nd Street | 5th Avenue | 4th Avenue | 327 | 0 | 9,749 | 10,041 | 10,342 | 10,652 | 10,972 |
| 9 | 4th Avenue | 2nd Street | 1st Street | 660 | 0 | 19,654 | 20,244 | 20,851 | 21,477 | 22,121 |
| 9 | 12th Avenue | 5th Street | 4th Street | 649 | 0 | 19,340 | 19,920 | 20,518 | 21,133 | 21,767 |
| 9 | 2nd Avenue | 1st Street | North Street | 148 | 0 | 4,403 | 4,535 | 4,671 | 4,811 | 4,955 |
| 9 | Hilltop Road | Townline Road | Grove Street | 195 | 0 | 5,807 | 5,981 | 6,161 | 6,345 | 6,536 |
| 8 | 10th Avenue | Harris Avenue | 2nd Street | 490 | 0 | 14,592 | 15,030 | 15,480 | 15,945 | 16,423 |
| 8 | Birch Street | West Lake Street | Court Street | 225 | 0 | 6,700 | 6,901 | 7,108 | 7,322 | 7,541 |
| 8 | Victoria Lane | Roberta Drive | Roberta Drive | 190 | 0 | 5,660 | 5,830 | 6,005 | 6,185 | 6,371 |
| 7 | 7th Avenue | 2nd Street | Whittemore Street | 400 | 0 | 11,912 | 12,269 | 12,637 | 13,016 | 13,407 |
| 5 | 2nd Street | 10th Avenue | Harris Avenue | 490 | 0 | 14,592 | 15,030 | 15,480 | 15,945 | 16,423 |
| 5 | 7th Avenue | North Street | 1st Street | 630 | 0 | 18,761 | 19,324 | 19,903 | 20,501 | 21,116 |
| 5 | Crocker Boulevard | Townline Road | Elms Avenue | 350 | 0 | 10,423 | 10,735 | 11,057 | 11,389 | 11,731 |
| 5 | Elms Avenue | Crocker Boulevard | Bay Drive | 560 | 0 | 16,676 | 17,177 | 17,692 | 18,223 | 18,769 |
| 5 | Victoria Lane | Anna Drive | Roberta Drive | 327 | 0 | 9,749 | 10,041 | 10,342 | 10,652 | 10,972 |
| 5 | Whittemore Street | 7th Avenue | 6th Avenue | 310 | 0 | 9,232 | 9,508 | 9,794 | 10,088 | 10,390 |
| 5 | 8th Avenue | 1st Street | North Street | 644 | 0 | 19,183 | 19,758 | 20,351 | 20,961 | 21,590 |
| 5 | 9th Avenue | Harris Avenue | 1st Street | 475 | 0 | 14,151 | 14,576 | 15,013 | 15,463 | 15,927 |
| 5 | 9th Avenue | 1st Street | North Street | 475 | 0 | 14,151 | 14,576 | 15,013 | 15,463 | 15,927 |
| 5 | 4th Avenue | Whittemore Street | 2nd Street | 428 | 0 | 12,736 | 13,118 | 13,512 | 13,917 | 14,334 |
| 4 | German Street | River Street | Murphy Street | 312 | 0 | 9,277 | 9,555 | 9,842 | 10,137 | 10,441 |
| 3 | North Street | Murphy Street | Lake State Railway | 253 | 0 | 7,547 | 7,774 | 8,007 | 8,247 | 8,494 |
| 3 | Spring Street | River Street | Murphy Street | 317 | 0 | 9,434 | 9,717 | 10,009 | 10,309 | 10,618 |
| 8 | 1st Avenue | dead end or start | 1st Street | 301 | 0 | 8,962 | 9,231 | 9,508 | 9,793 | 10,087 |
| 7 | 4th Avenue | Lake State Railway | Whittemore Street | 306 | 0 | 9,120 | 9,393 | 9,675 | 9,965 | 10,264 |
| 7 | Beech Street | East Lake Street | Lake State Railway | 306 | 0 | 9,120 | 9,393 | 9,675 | 9,965 | 10,264 |
| 7 | Whittemore Street | 6th Avenue | 5th Avenue | 338 | 0 | 10,063 | 10,365 | 10,676 | 10,996 | 11,326 |
| 6 | Beech Street | Cedar Street | dead end or start | 253 | 0 | 7,547 | 7,774 | 8,007 | 8,247 | 8,494 |
| 6 | Fir Street | Maple Street | Beech Street | 338 | 0 | 10,063 | 10,365 | 10,676 | 10,996 | 11,326 |
| 6 | Spruce Street | Maple Street | Beech Street | 385 | 0 | 11,478 | 11,822 | 12,177 | 12,542 | 12,919 |
| 5 | Elms Avenue | Grove Street | Nanette Street | 269 | 0 | 8,019 | 8,260 | 8,507 | 8,763 | 9,025 |
| 5 | Bay Drive | Townline Road | Elms Avenue | 459 | 0 | 13,679 | 14,090 | 14,512 | 14,948 | 15,396 |
| 5 | Wheeler Street | West Lake Street | Court Street | 296 | 0 | 8,805 | 9,069 | 9,341 | 9,622 | 9,910 |
| 5 | 6th Avenue | 2nd Street | 1st Street | 660 | 0 | 19,654 | 20,244 | 20,851 | 21,477 | 22,121 |
| 5 | Bay Drive | Elms Avenue | West Lake Street | 1975 | 0 | 58,806 | 60,570 | 62,387 | 64,258 | 66,186 |

| PASER Rating | Street Name | From | To | Length in Feet | 2015-20 | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 |
|--|-----------------|--------------------|--------------------------|-------------------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | | |
| CRUSH AND SHAPE; 2 1/2" HMA; 1' SHOULDER GRAVEL | | | | | | | | | | |
| 5 | Court Street | Hemlock Street | Maple Street | 465 | 0 | 12,579 | 12,956 | 13,345 | 13,745 | 14,157 |
| 5 | Court Street | Maple Street | Beech Street | 364 | 0 | 9,863 | 10,159 | 10,464 | 10,777 | 11,101 |
| 5 | Elms Avenue | Nanette Street | West Lake Street | 275 | 0 | 8,176 | 8,421 | 8,674 | 8,934 | 9,202 |
| 4 | Beech Street | Lake State Railway | Court Street | 21 | 0 | 629 | 648 | 667 | 687 | 708 |
| 4 | 11th Avenue | 4th Street | dead end or start | 576 | 0 | 17,139 | 17,653 | 18,182 | 18,728 | 19,290 |
| 4 | Margo Street | Michigan Street | dead end or start | 327 | 0 | 9,749 | 10,041 | 10,342 | 10,652 | 10,972 |
| 4 | Margo Street | Nanette Street | Woodward Street | 1378 | 0 | 41,038 | 42,269 | 43,537 | 44,843 | 46,189 |
| 4 | Spruce Street | Beech Street | German Street | 253 | 0 | 7,547 | 7,774 | 8,007 | 8,247 | 8,494 |
| 4 | Anna Drive | John Street | 1st Avenue | 433 | 0 | 12,893 | 13,280 | 13,678 | 14,089 | 14,511 |
| 4 | Anna Drive | Victoria Lane | John Street | 359 | 0 | 10,692 | 11,013 | 11,343 | 11,683 | 12,034 |
| 4 | Wheeler Street | Lake State Railway | dead end or start | 301 | 0 | 8,962 | 9,231 | 9,508 | 9,793 | 10,087 |
| 4 | 8th Avenue | 2nd Street | 1st Street | 660 | 0 | 19,654 | 20,244 | 20,851 | 21,477 | 22,121 |
| 3 | North Street | Lake State Railway | Court Street | 26 | 0 | 786 | 810 | 834 | 859 | 885 |
| 3 | River Street | Court Street | Lake State Railway | 16 | 0 | 472 | 486 | 500 | 515 | 531 |
| 3 | Court Street | 1st Street | Wheeler Street | 359 | 0 | 13,608 | 14,016 | 14,437 | 14,870 | 15,316 |
| 3 | 1st Street | Meadowview Road | 12th Avenue | 169 | 0 | 5,031 | 5,182 | 5,338 | 5,498 | 5,663 |
| 3 | Court Street | Wheeler Street | River Street | 370 | 0 | 14,008 | 14,428 | 14,861 | 15,307 | 15,766 |
| 3 | Court Street | River Street | North Street | 496 | 0 | 18,811 | 19,375 | 19,957 | 20,555 | 21,172 |
| 3 | Nanette Street | Elms Avenue | Margo Street | 554 | 0 | 16,510 | 17,005 | 17,515 | 18,040 | 18,582 |
| 3 | Elms Avenue | West Lake Street | Crocker Boulevard | 275 | 0 | 8,176 | 8,421 | 8,674 | 8,934 | 9,202 |
| 3 | Margo Street | Woodward Street | Michigan Street | 797 | 0 | 23,742 | 24,455 | 25,188 | 25,944 | 26,722 |
| 3 | Fir Street | Beech Street | Oak Street | 312 | 0 | 9,277 | 9,555 | 9,842 | 10,137 | 10,441 |
| 3 | Ottawa Street | Cedar Street | city limit | 375 | 0 | 11,164 | 11,499 | 11,843 | 12,199 | 12,565 |
| 3 | German Street | Murphy Street | Hemlock Street | 111 | 0 | 4,353 | 4,483 | 4,618 | 4,756 | 4,899 |
| 3 | 7th Avenue | 1st Street | 2nd Street | 665 | 0 | 19,812 | 20,406 | 21,018 | 21,649 | 22,298 |
| 2 | Spring Street | 1st Avenue | Riverview Court | 264 | 0 | 7,862 | 8,098 | 8,340 | 8,591 | 8,848 |
| 2 | Victoria Lane | dead end or start | Anna Drive | 79 | 0 | 2,359 | 2,429 | 2,502 | 2,577 | 2,655 |
| 2 | North Street | 1st Avenue | dead end or start | 385 | 0 | 11,478 | 11,822 | 12,177 | 12,542 | 12,919 |
| 2 | Riverview Court | Spring Street | dead end or start | 306 | 0 | 9,120 | 9,393 | 9,675 | 9,965 | 10,264 |
| 2 | Wheeler Street | Court Street | Lake State Railway | 16 | 0 | 472 | 486 | 500 | 515 | 531 |
| 2 | Woodward Street | West Lake Street | Margo Street | 417 | 0 | 12,421 | 12,794 | 13,178 | 13,573 | 13,981 |
| 2 | Manor Drive | Victoria Lane | Tim Court | 465 | 0 | 13,837 | 14,252 | 14,679 | 15,120 | 15,573 |
| 2 | Manor Drive | Tim Court | 1st Avenue | 407 | 0 | 12,107 | 12,470 | 12,844 | 13,230 | 13,627 |
| 2 | 2nd Avenue | 2nd Street | 1st Street | 665 | 0 | 19,812 | 20,406 | 21,018 | 21,649 | 22,298 |
| 2 | Court Street | North Street | Birch Street | 407 | 0 | 12,107 | 12,470 | 12,844 | 13,230 | 13,627 |
| 2 | Court Street | Birch Street | Hemlock Street | 391 | 0 | 11,635 | 11,984 | 12,344 | 12,714 | 13,096 |
| 2 | Michigan Street | West Lake Street | Margo Street | 449 | 0 | 13,365 | 13,766 | 14,179 | 14,604 | 15,042 |
| 2 | River Street | Lake State Railway | North Street | 480 | 0 | 14,308 | 14,738 | 15,180 | 15,635 | 16,104 |
| 2 | Sunset Drive | Victoria Lane | 1st Avenue | 871 | 0 | 25,944 | 26,722 | 27,524 | 28,349 | 29,200 |
| 2 | 2nd Avenue | dead end or start | 2nd Street | 671 | 0 | 19,969 | 20,568 | 21,185 | 21,820 | 22,475 |
| 2 | Victoria Lane | Sunset Drive | Manor Drive | 359 | 0 | 10,692 | 11,013 | 11,343 | 11,683 | 12,034 |
| 2 | Margo Street | Grove Street | city limit | 227 | 0 | 6,761 | 6,964 | 7,173 | 7,388 | 7,610 |
| 2 | Victoria Lane | Manor Drive | Hemlock Street | 803 | 0 | 23,900 | 24,617 | 25,355 | 26,116 | 26,899 |
| 2 | Grove Street | Margo Street | Elms Avenue | 354 | 0 | 10,535 | 10,851 | 11,176 | 11,512 | 11,857 |
| 2 | Margo Street | Grove Street | Nanette Street | 401 | 0 | 11,950 | 12,308 | 12,678 | 13,058 | 13,450 |
| 2 | Margo Street | city limit | dead end or start | 53 | 0 | 1,572 | 1,620 | 1,668 | 1,718 | 1,770 |
| 2 | Victoria Lane | Roberta Drive | Sunset Drive | 185 | 0 | 5,503 | 5,668 | 5,838 | 6,013 | 6,194 |
| 2 | Elms Avenue | Margo Street | Elms Avenue | 74 | 0 | 2,201 | 2,267 | 2,335 | 2,405 | 2,478 |
| 1 | 6th Street | 9th Avenue | beginning of gravel road | 729 | 0 | 21,698 | 22,349 | 23,020 | 23,710 | 24,422 |
| 1 | 8th Avenue | dead end or start | 2nd Street | 312 | 0 | 9,277 | 9,555 | 9,842 | 10,137 | 10,441 |
| 1 | Maple Street | Fir Street | Cedar Street | 253 | 0 | 7,547 | 7,774 | 8,007 | 8,247 | 8,494 |
| 1 | Tim Court | Manor Drive | dead end or start | 296 | 0 | 8,805 | 9,069 | 9,341 | 9,622 | 9,910 |
| 1 | 6th Avenue | 1st Street | North Street | 655 | 0 | 19,497 | 20,082 | 20,684 | 21,305 | 21,944 |
| 1 | 7th Avenue | Whittemore Street | dead end or start | 164 | 0 | 4,874 | 5,020 | 5,171 | 5,326 | 5,486 |
| 1 | Cedar Street | Beech Street | Oak Street | 322 | 0 | 9,591 | 9,879 | 10,175 | 10,481 | 10,795 |
| 1 | Maple Street | German Street | Fir Street | 333 | 0 | 9,906 | 10,203 | 10,509 | 10,824 | 11,149 |
| 1 | Grove Street | Hilltop Road | Elms Avenue | 544 | 0 | 16,195 | 16,681 | 17,181 | 17,697 | 18,228 |
| 1 | Cedar Street | Maple Street | Beech Street | 354 | 0 | 10,535 | 10,851 | 11,176 | 11,512 | 11,857 |
| 1 | 1st Street | 12th Avenue | Harris Avenue | 533 | 0 | 15,881 | 16,357 | 16,848 | 17,353 | 17,874 |

CURBS AND GRAVEL

| | | | | | | |
|--|--|--------|-------|--------|-------|-------|
| | | 13,125 | 5,513 | 11,576 | 6,077 | 8,900 |
|--|--|--------|-------|--------|-------|-------|

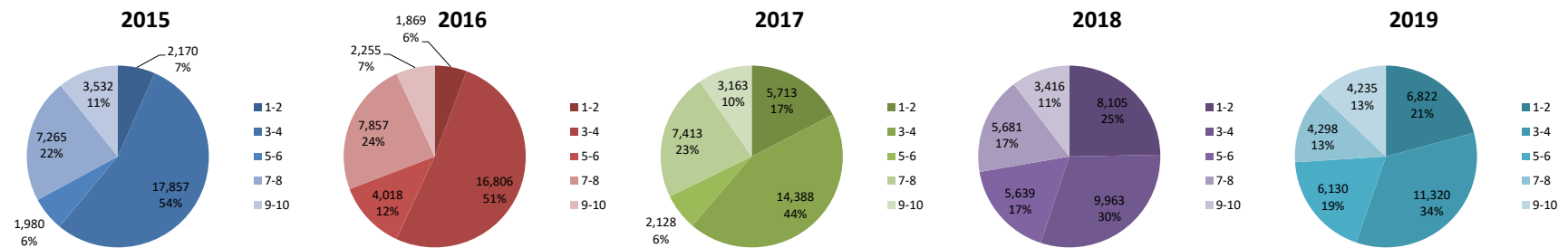
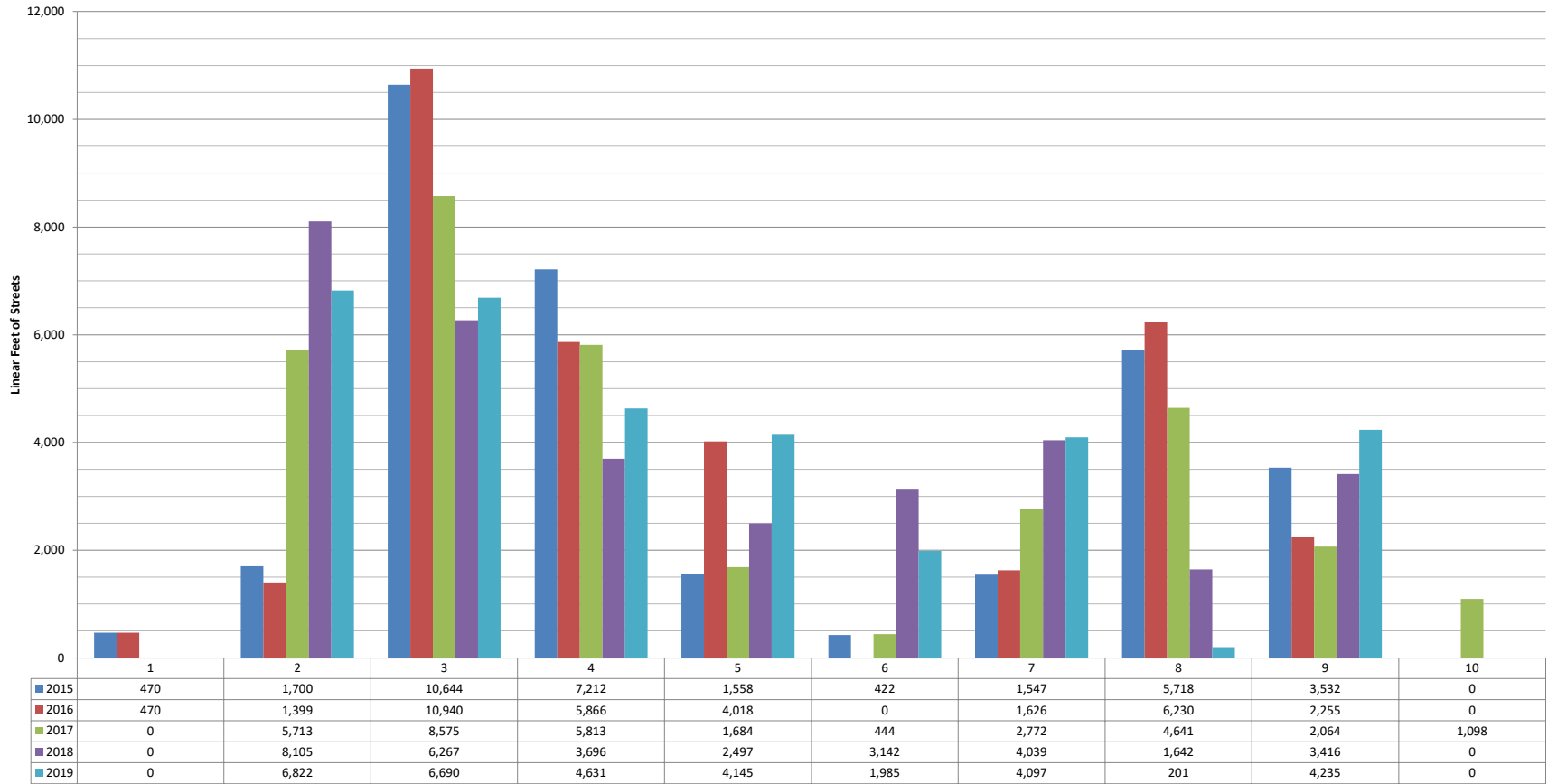
| | | | | | | |
|---|----------------|---------------|---------------|---------------|---------------|----------------|
| TOTAL OF PROJECTS IDENTIFIED FOR EACH YEAR | 332,635 | 77,091 | 65,318 | 70,802 | 62,604 | 100,923 |
|---|----------------|---------------|---------------|---------------|---------------|----------------|

Tawas City Streets

- 2007-2020
- 2020-2021
- 2021-2022
- 2022-2023
- 2023-2024
- 2024-2025



Major Street PASER Ratings

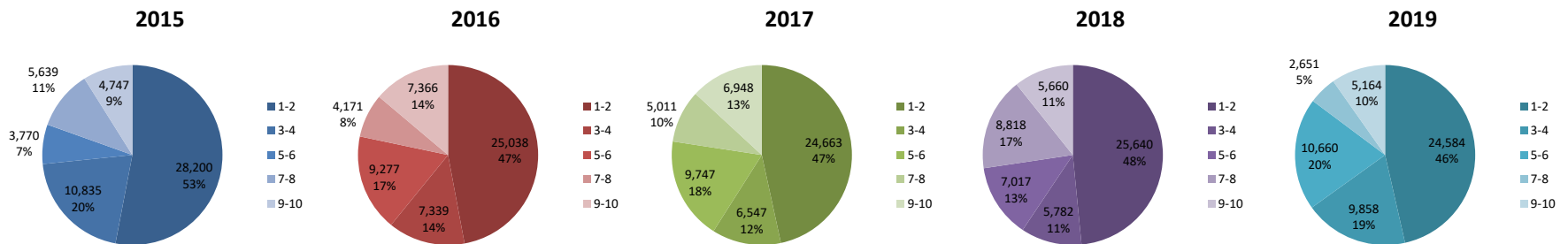
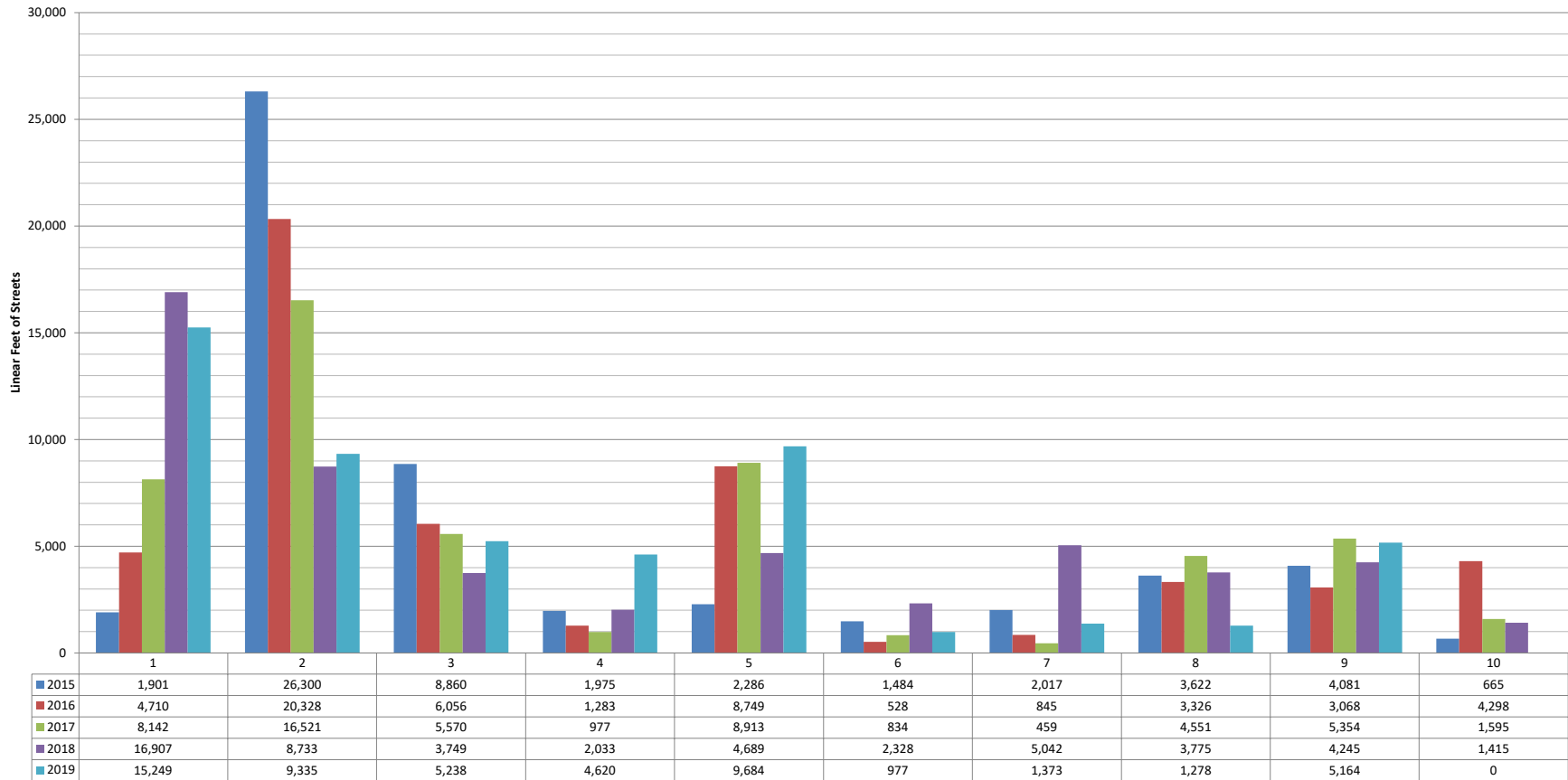


The PASER (Pavement Surface Evaluation and Rating) system rates each road segment on a scale of 1-10, with one being the worst condition and ten being the best condition. The ratings can give an idea of what the expected remaining service life of a roadway is, as well as aid in developing the appropriate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

Tawas City began using PASER ratings for streets in the fall of 2015 and staff continues to update the ratings on an annual basis. The PASER ratings are 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.

Local Street PASER Ratings



The PASER (Pavement Surface Evaluation and Rating) 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 |

Tawas City began using PASER ratings for streets in the fall of 2015 and staff continues to update the ratings on an annual basis. The PASER ratings are 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.