

TECHNICAL MEMORANDUM

TRAFFIC CRASHES AND SAFETY PERFORMANCE MEASURES 2019-2021

December 2022

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This report was prepared by the Akron Metropolitan Area Transportation Study (AMATS) in cooperation with the U.S. Department of Transportation, the Ohio Department of Transportation, and the Village, City and County governments of Portage and Summit Counties and Chippewa and Milton Township in Wayne County. The contents of this report reflect the views of AMATS, which is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official view and policies of the Ohio and/or U.S. Department of Transportation. This report does not constitute a standard, specification or regulation.

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Traffic Crashes 2019 – 2021

Section 1: A New Vision for Safety-Safe Streets for All

Overview of Safe Streets for All (SS4A)

SS4A is a new program established through the new Federal funding bill known as the Bipartisan Infrastructure Law (BIL). \$5 billion is authorized over the next five years, with approximately \$1 billion being available each year.

The focus of the program is on preventing fatalities and serious injuries on our roadways. SS4A is a funding mechanism to move forward Transportation Pete Buttigieg's National Roadway Safety Strategy and the Department's goal of zero deaths and serious injuries on our nation's roadways.

SS4A funding grants can be used for developing Action Plans or implementing projects. AMATS has decided to create an Action Plan internally, which is what our SS4A taskforce is doing right now. The idea behind creating an Action Plan is to queue up a list of possible projects that will be eligible for Implementation Plan grants in future fiscal years.

Although AMATS is developing the Action Plan without SS4A funding, we still want to ensure that the plan is compliant with the components required in such Action Plans. There is considerable flexibility in the federal government's guidelines on how to develop an Action Plan, though the following components are identified in a plan's development:

- **Leadership commitment and goal setting** that includes a goal timeline for eliminating roadway fatalities and serious injuries.
- **Planning structure** through a committee, task force, implementation group, or similar body charged with oversight of the Action Plan development, implementation, and monitoring.
- **Safety analysis** of the existing conditions and historical trends that provides a baseline level of crashes involving fatalities and serious injuries across a jurisdiction or region.
- **Engagement and collaboration** with the public and relevant stakeholders, including the private sector and community groups, that allows for both community representation and feedback.
- **Equity** considerations developed through a plan using inclusive and representative processes.
- **Policy and process changes** that assess the current policies, plans, guidelines, and/or standards to identify opportunities to improve how processes prioritize transportation safety.
- **Strategy and project selections** that identify a comprehensive set of projects and strategies, shaped by data, the best available evidence and noteworthy practices, as well as stakeholder input and equity considerations, that will address the safety problems described in the Action Plan.
- **Progress and transparency methods** that measure progress over time after an Action Plan is developed or updated, including outcome data.

After the plan is completed, AMATS and its members may decide to pursue Implementation Grants in future fiscal years' funding rounds. These grants can fund a large variety of infrastructure, behavioral, and operational safety activities that are identified. FHWA listed the following activities as illustrative examples:

- **Applying low-cost roadway safety treatments** system-wide, such as left- and right-turn lanes at intersections, centerline and shoulder rumble strips, wider edge lines, high-friction surface treatments, road diets, and better signage along high-crash urban and rural corridors.
- **Identifying and correcting common risks** across a network, such as improving pedestrian crosswalks by adding high-visibility pavement markings, lighting, and signage at transit stops, in a designated neighborhood, or along a busy public transportation route.
- **Transforming a roadway corridor** on a High-Injury Network into a Complete Street with safety improvements to control speed, separate users, and improve visibility, along with other measures that improve safety for all users.
- **Installing pedestrian safety enhancements and closing network gaps** with sidewalks, rectangular rapid-flashing beacons, signal improvements, and audible pedestrian signals for people walking, rolling, or using mobility assisted devices.
- **Working with community members in an identified problem area** to carry out quick-build street design changes informed by outreach and user input.
- **Supporting the development of bikeway networks** with bicycle lanes for different roadway volumes and speeds that are safe for people of all ages and abilities.
- **Carrying out speed management strategies** such as implementing traffic calming road design changes, addressing speed along key corridors through infrastructure, conducting education and outreach, setting appropriate speed limits, and making strategic use of speed safety cameras.
- **Creating safe routes to school and public transit services** through multiple activities that lead to people safely walking, biking, and rolling in underserved communities.
- **Promoting the adoption of innovative technologies or strategies to promote safety** and protect vulnerable road users in high-traffic areas where commercial motor vehicles (CMVs), pedestrians, bicyclists, motorcyclists, etc. interact.
- **Conducting education campaigns to accompany new or innovative infrastructure**, such as roundabouts, pedestrian hybrid beacons, or pedestrian-only zones.
- **Implementing standard and novel data collection and analysis technologies and strategies** to better understand vulnerable road user (pedestrian/bicycle/transit rider) network gaps and to collect exposure data.
- **Deploying advanced transportation technologies**, such as the installation of connected intersection-based safety solutions and vehicle-to-infrastructure (V2I) advisory speed limit systems (e.g., Intelligent Speed Assistance [ISA]).
- **Combating roadway departure crashes** through enhanced delineation, shoulder widening, rumble strips, and roadside safety improvements.
- **Evaluating and improving the safety of intersections** by considering innovative design changes, improved delineation, and advanced warning.

This Technical Memorandum, along with other data sources, will be used to help evaluate and determine where fatal and severe injury crashes are occurring and where vulnerable areas and users are located. After this network is identified, strategies in the Action Plan will be identified for funding and implementation.

Section 2: AMATS Area Crashes

Overview

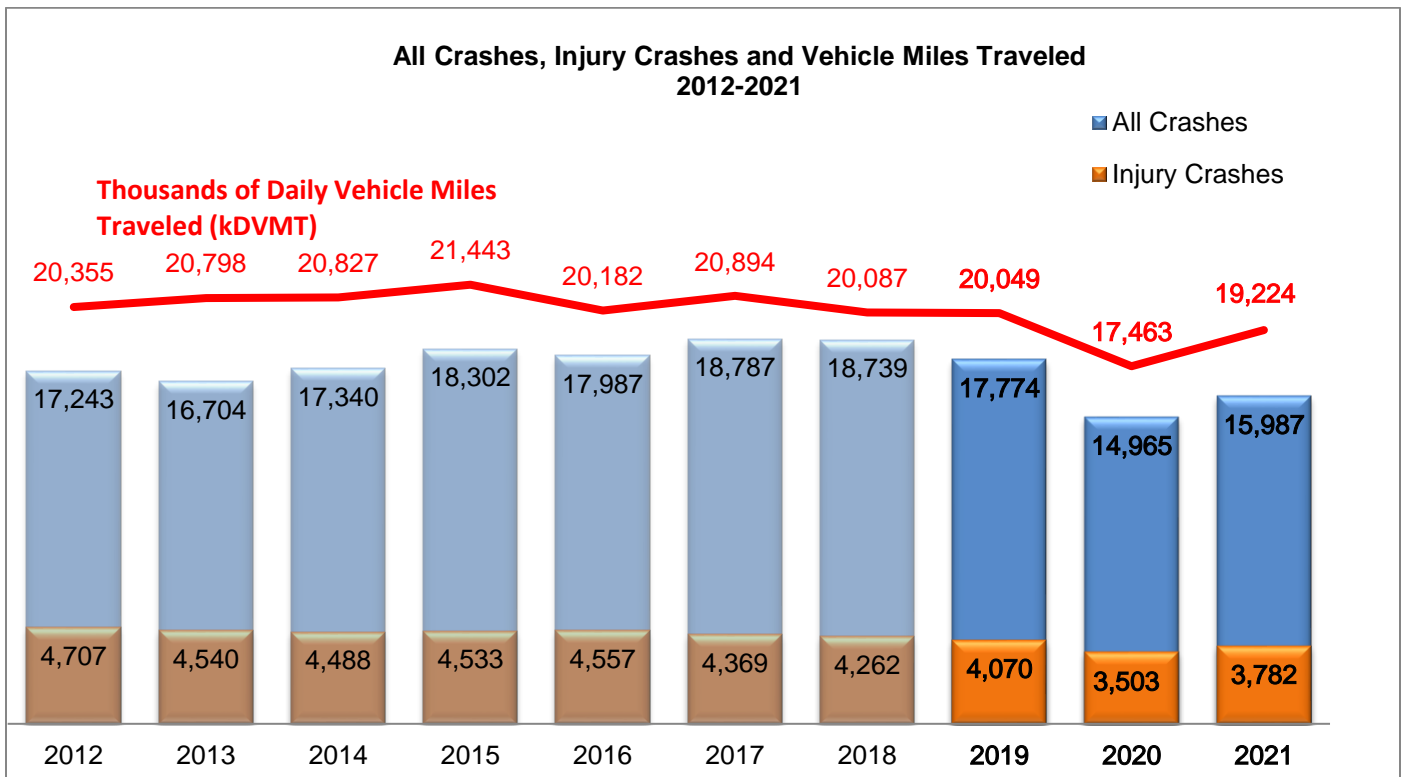
The 2019-2021 Crash Memorandum was prepared by reviewing 48,726 crash records obtained from the Ohio Department of Transportation (ODOT). Animal crashes and construction zone crashes were removed and not included in the analysis since they do not relate to the characteristics of the roadway. The data is then imported into GIS and plotted. It is carefully checked for location accuracy and then categorized as section or intersection crashes. The roadway section and intersection locations are further analyzed and then ranked. In Section 3 Bicycle and Pedestrian-Related Crashes are discussed. Section 4 highlights Safety Performance Measures and Targets. Freeway crashes are not included in this report and instead are analyzed and ranked by the Ohio Department of Transportation.

Trends

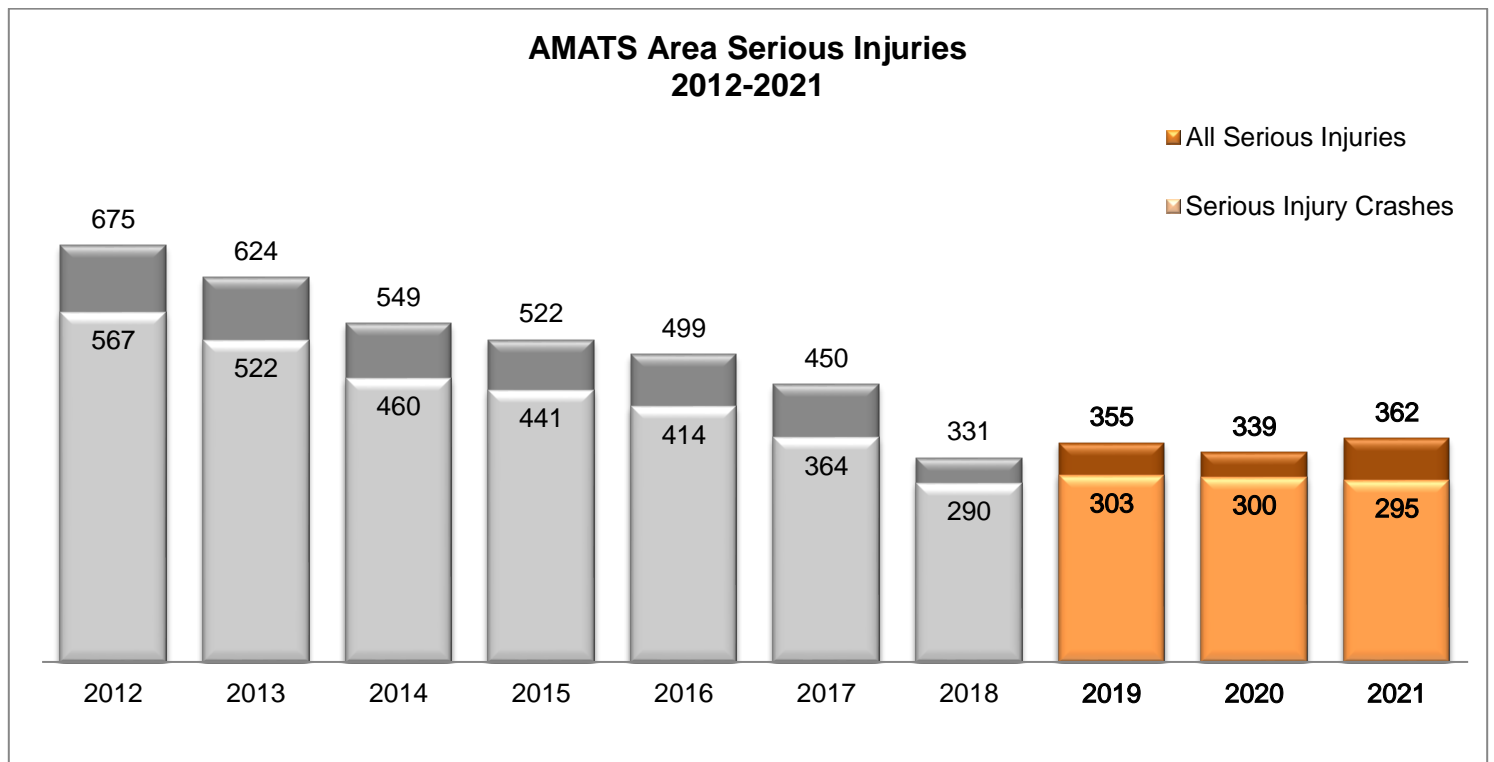
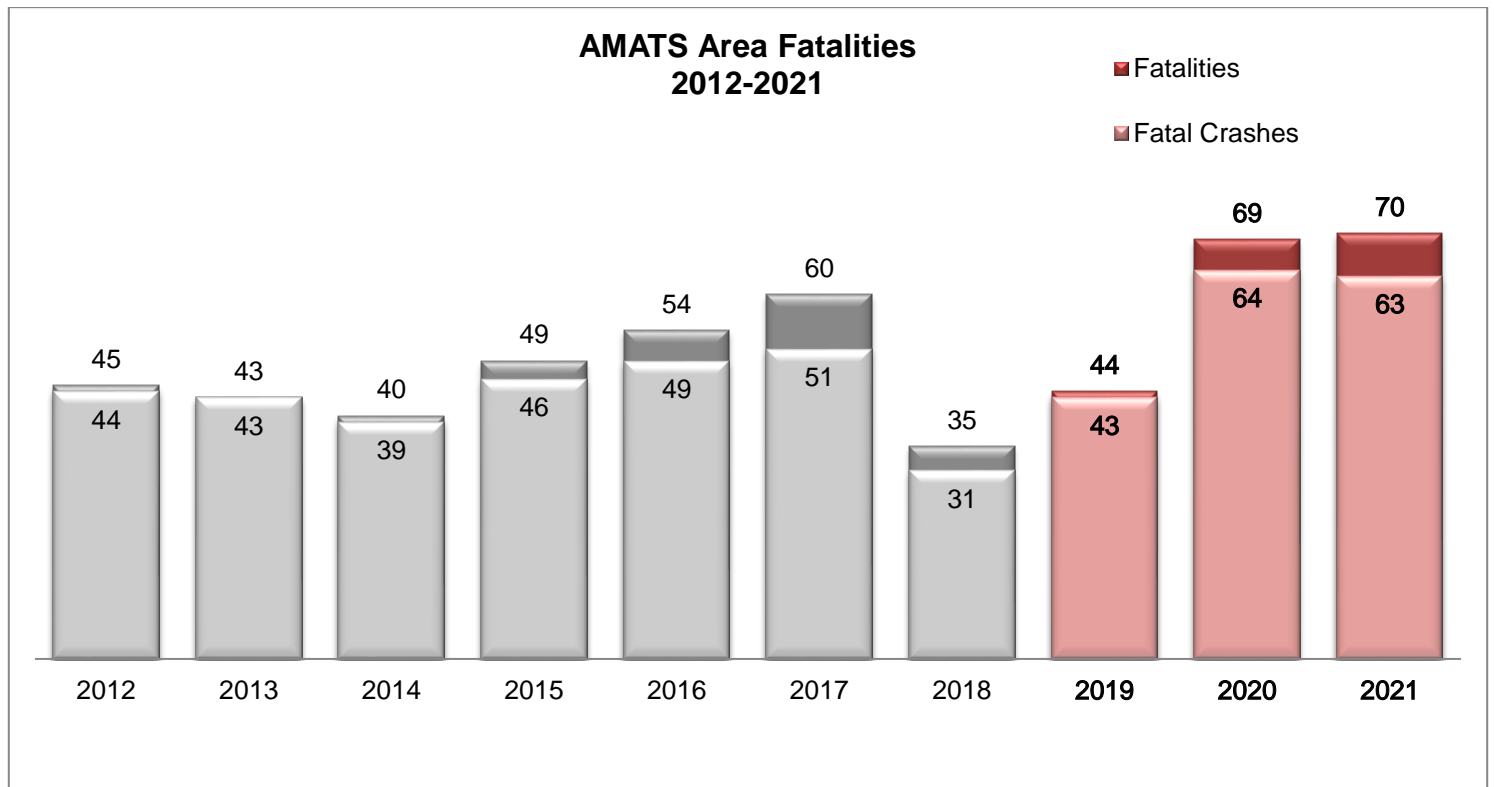
The pandemic in 2020 created a substantial decrease in Vehicle Miles Traveled (VMT) and in overall crashes. However, the number of fatalities in 2020 went up significantly and remained high in 2021. There is no clear explanation for this phenomenon other than speculation that less traffic in 2020 led to higher speeds and more fatal crashes. It appears that the pandemic changed safety, hopefully not permanently.

In 2021, the overall number of crashes in the AMATS area increased by 1,022 from 2020. This is approximately a 6% increase from 2020. Injury crashes increased by 279 or 8% but fatal crashes stayed nearly the same. Unfortunately, 2020 and 2021 fatalities, at 69 and 70 respectively, were much higher than 2019 fatalities, which was 44.

The following graph shows the number of total crashes in the AMATS area between 2012 and 2021. The red line at the top shows thousands of daily vehicle miles traveled (kDVMT) in the AMATS area. This data was obtained from the ODOT Office of Technical Services. In 2021 kDVMT was still down 4% from 2019 and is still rebounding since the low point during the pandemic.



The following graphs show the number of fatal crashes and serious injury crashes as well as the resulting fatalities and serious injuries between 2012 and 2021. A crash is one event, but it may involve multiple vehicles or multiple occupants and result in multiple fatalities or injuries. Fatal crashes and serious injury crashes are hard to graph on the previous graph with the others because they are a small percentage of all crashes.



Methodology

The 2019-2021 Crash Report uses Geographical Information System (GIS) coordinates to plot crashes. Sometimes the coordinates are not correct in the imported data and crashes must be manually moved to their proper location based on the description on the police report. This is time-consuming but necessary for an accurate report.

Another challenge is determining if a crash should be considered section or intersection related. Not all crashes that occur near an intersection are classified as intersection related. An example would be a single vehicle departing the roadway and hitting a tree at a location that just happens to be near an intersection. Another example would be a crash occurring as vehicles are departing an intersection. If the intersecting street is used as a reference the crash appears to be intersection related when it wasn't. Most of the time the police officer's crash report must be reviewed to gain a better understanding of these types of crashes. The final decision is based on the location of the vehicles and the nature of the crash.

Once crashes are properly identified as intersection or section related, the crash is assigned a unique identification number for sorting of the crashes. The final step in GIS is to sum up all the crashes that occur within each unique intersection or section.

Once the analysis in GIS is done, a list of high crash sections and intersections is produced. This criterion is now focused on crash severity in addition to number to crashes. The following is the minimum criteria used to be considered a "high crash" location.

- The high crash criterion for roadway sections is 3 or more crashes per mile per year.
- The high crash criterion for intersections is 9 or more crashes in the three-year period.
- A minimum of 30 percent of the crashes at a location must be fatal or injury related for both roadway sections and intersections to be considered a high crash location.

Once the locations that meet the minimum criteria are obtained a final score is calculated based on where the location ranked according to number of crashes and where it ranked according to percentage of fatal and injury crashes.

High Crash Roadway Sections

A "section" is defined as a length of roadway between two logical termini such as intersections with other roadways. The length of a section is usually shorter in urban areas and could be miles long in a rural area. All roads in the AMATS area were considered, including those that are not federally classified.

- AMATS identified 143 high crash roadway sections that have 3 or more crashes per mile per year and at least 30 percent of the crashes are fatal or injury-related over the three-year period.
- Table 1 lists the 143 high crash roadway sections ranked by composite score. This table also notes if any crashes were bicycle or pedestrian related. Map 1 shows the top 50 high crash roadway sections. A location in red font indicates at least one fatality. There are 27 segments that had at least one fatality.

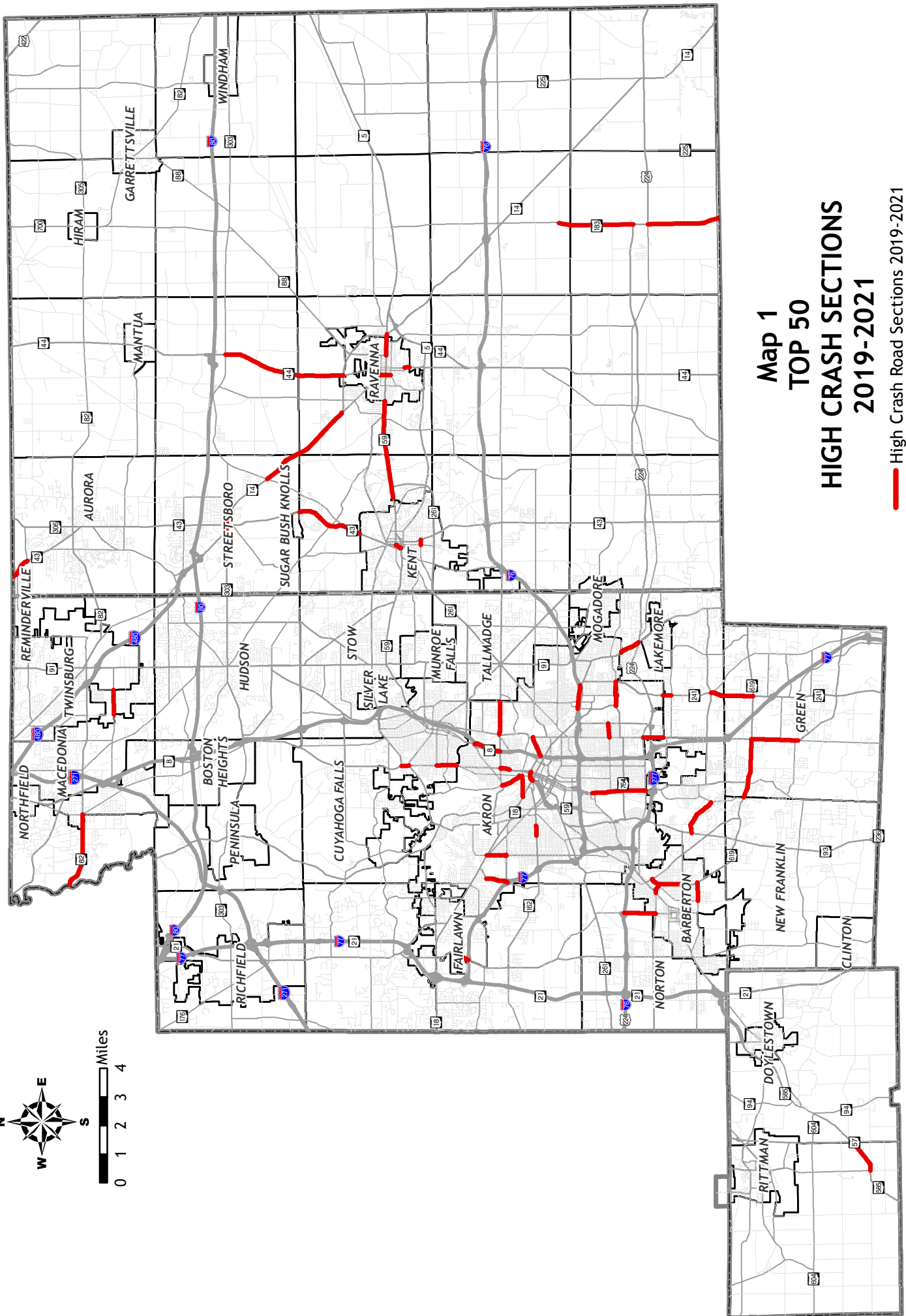
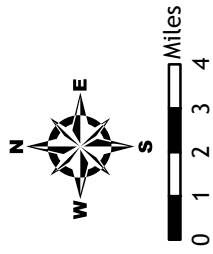
Table 1
HIGH CRASH ROADWAY SECTIONS
 RANKED BY SCORE BASED ON NUMBER OF CRASHES AND PERCENT OF INJURY AND FATAL CRASHES
 2019-2021

| Rank | Roadway Section | Length (miles) | Total Crashes | Crashes per Mile per Year | Crashes per Mile per Year Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Score | Bike Related | Ped Related | Location |
|------|--|----------------|---------------|---------------------------|--------------------------------|------------------------|---------------------|-------------|--------------|-------------|--|
| 1 | SR 59 from Alpha Dr to SR 261 | 0.41 | 15 | 12 | 17 | 53% | 5 | 22 | 0 | 0 | Portage-Franklin Twp |
| 1 | Massillon Rd (SR241) from Krumroy Rd (CR 130) to Oaks Dr / Akron SCL | 0.29 | 10 | 11 | 21 | 60% | 1 | 22 | 0 | 0 | Summit-Springfield Twp |
| 3 | River St (SR 43) from Haymaker Pkwy (SR 59) to W Main St | 0.21 | 9 | 14 | 13 | 44% | 25 | 38 | 0 | 0 | Kent |
| 4 | M.L. King Blvd (SR 59) from W Market St Overpass to N Broadway St | 0.18 | 22 | 41 | 2 | 41% | 53 | 55 | 0 | 0 | Akron |
| 5 | S Cleveland-Massillon Rd from I-77 to Rosemont Blvd/Elgin Dr | 0.53 | 30 | 19 | 6 | 40% | 55 | 61 | 0 | 0 | Fairlawn |
| 6 | SR 43 from Kent North Corp Line to Streetsboro South Corp Line | 2.40 | 79 | 11 | 24 | 42% | 43 | 67 | 0 | 0 | Portage-Franklin Twp |
| 6 | Arlington Rd from Greensburg Rd to Turkeyfoot Lake Rd (SR 619) | 1.68 | 33 | 7 | 53 | 48% | 14 | 67 | 0 | 0 | Green |
| 8 | Copley Rd (SR 162) from Storer Ave to East Ave | 0.36 | 26 | 24 | 4 | 38% | 66 | 70 | 1 | 0 | Akron |
| 9 | E Main St (SR 59) from Freedom St (SR 88) to SR 14/SR 44 | 0.75 | 42 | 19 | 7 | 38% | 68 | 75 | 0 | 0 | Ravenna |
| 10 | Norton Ave/Fairview Ave from Wooster Rd N to 5th St NE (SR 619) | 0.33 | 5 | 5 | 75 | 60% | 1 | 76 | 0 | 0 | Barberton |
| 11 | 5th St NE (SR 619) from Robinson Ave to State St | 1.15 | 34 | 10 | 31 | 41% | 50 | 81 | 0 | 1 | Barberton |
| 12 | N Main St (SR 261) from Olive St (W) to E Tallmadge Ave | 0.32 | 10 | 10 | 28 | 40% | 55 | 83 | 0 | 0 | Akron |
| 13 | Slate Rd from Cuyahoga Falls Corp Line to Broad Blvd | 0.66 | 39 | 20 | 5 | 36% | 81 | 86 | 1 | 0 | Cuyahoga Falls |
| 13 | SR 59 from Brady Lake Rd (CR 162) to Ravenna West Corp Line | 0.45 | 12 | 9 | 42 | 42% | 44 | 86 | 0 | 0 | Portage-Ravenna Twp |
| 15 | SR 14 from SR 303 (W) to SR 303 (E) | 0.33 | 42 | 42 | 1 | 33% | 90 | 91 | 0 | 0 | Streetsboro |
| 15 | SR 59 from SR 261 to Brady Lake Rd (CR 162) | 2.55 | 72 | 9 | 37 | 40% | 54 | 91 | 0 | 1 | Portage-Franklin/Ravenna Twps |
| 15 | SR 14 from Streetsboro East Corp Line to Cleveland Rd (CR 171) | 2.23 | 42 | 6 | 57 | 43% | 34 | 91 | 0 | 0 | Portage-Shalersville/Ravenna Twps |
| 18 | Canton Rd (SR 91) from Waterloo Rd (US224) to Akron SCL | 1.11 | 18 | 5 | 67 | 38% | 69 | 92 | 0 | 2 | Summit-Springfield Twp |
| 18 | Barber Rd from Norton Ave to I-76 | 0.70 | 11 | 5 | 72 | 44% | 25 | 92 | 0 | 0 | Barberton/Norton |
| 18 | N Forge St from Fountain St to N Arlington St | 0.50 | 16 | 11 | 25 | 38% | 69 | 94 | 0 | 1 | Green |
| 21 | W Turkeyfoot Lake Rd (SR 619) from Green West Corp Line to S Main St | 0.74 | 11 | 5 | 76 | 45% | 20 | 96 | 0 | 1 | Akron |
| 22 | W North St from W Market St (SR 18) to N Howard St | 0.81 | 14 | 6 | 63 | 43% | 34 | 97 | 0 | 1 | Akron |
| 23 | S Hawkins Ave from Mull Ave Circle to W Market St (SR 18) | 2.48 | 31 | 4 | 90 | 52% | 7 | 97 | 0 | 0 | Portage-Awater Twp |
| 25 | E Tallmadge Ave (SR 261) from Home Ave to Brittain Rd | 1.16 | 52 | 15 | 12 | 35% | 87 | 99 | 0 | 2 | Akron |
| 26 | N Aurora Rd (SR 43) from Treat Rd to Aurora NCL | 2.69 | 11 | 5 | 82 | 45% | 20 | 102 | 0 | 0 | Aurora |
| 27 | W Aurora Rd (SR 82) from Cuyahoga County Line to Oldie Eight Rd (CR 16) | 0.89 | 34 | 4 | 89 | 47% | 15 | 104 | 0 | 0 | Summit-Sagamore Hills/Northfield Center Twps |
| 28 | S Main St from Wilbeth Rd (SR 764) to S Broadway St | 1.11 | 42 | 13 | 15 | 33% | 90 | 105 | 2 | 0 | Akron |
| 29 | SR 14 from Diagonal Rd to Streetsboro East Corp Line | 1.30 | 33 | 8 | 44 | 39% | 63 | 107 | 0 | 0 | Streetsboro |
| 29 | E Turkeyfoot Lake Rd (SR 619) from S Main St to Arlington Rd | 1.56 | 38 | 8 | 45 | 39% | 62 | 107 | 0 | 0 | Green |
| 29 | SR 585 from Bemmer Rd to SR 57 | 1.20 | 15 | 4 | 90 | 47% | 17 | 107 | 0 | 0 | Wayne-Milton Twp |
| 32 | Snyder Ave from Van Buren Ave to 5th St SE | 0.65 | 9 | 5 | 83 | 44% | 25 | 108 | 0 | 0 | Barberton |
| 33 | S Main St from Waterloo Rd to Wilbeth Rd (SR 764) | 0.77 | 15 | 6 | 54 | 40% | 55 | 109 | 0 | 1 | Akron |
| 34 | Portage Lakes Dr (CR 75) from Manchester Rd (SR 93) to S Turkeyfoot Rd (CR123) | 1.38 | 18 | 4 | 85 | 44% | 25 | 110 | 0 | 0 | Summit-Coventry Twp |
| 35 | Gorge Blvd from Tallmadge Ave (SR 261) to Cuyahoga Falls Ave | 0.95 | 17 | 6 | 61 | 41% | 50 | 111 | 0 | 0 | Akron |
| 36 | E Highland Rd (CR111) from Chamberlin Rd (CR128) to Hadden Rd (TR129) | 0.88 | 11 | 4 | 92 | 45% | 20 | 112 | 0 | 0 | Summit-Twinsburg Twp |
| 37 | E Archwood Ave from S Arlington St to Kelly Ave | 0.49 | 7 | 5 | 79 | 43% | 34 | 113 | 0 | 1 | Akron |
| 38 | Cuyahoga St from N Howard St to Memorial Pkwy/E Tallmadge Ave | 0.18 | 2 | 4 | 107 | 50% | 9 | 116 | 0 | 0 | Kent |
| 39 | Cherry St from Franklin Ave to S Water St (SR 43) | 0.18 | 2 | 4 | 107 | 50% | 9 | 116 | 0 | 0 | Ravenna |
| 39 | Sycamore St from W Main St (SR 59) to Highland Ave | 0.18 | 2 | 4 | 107 | 50% | 9 | 116 | 0 | 0 | Ravenna |
| 39 | Sycamore St from Riddle Ave to W Main St (SR 59) | 0.18 | 2 | 4 | 107 | 50% | 9 | 116 | 0 | 0 | Ravenna |
| 42 | S Prospect St from Ravenna SCL to Lake Ave | 0.19 | 6 | 11 | 27 | 33% | 90 | 117 | 0 | 0 | Ravenna |
| 43 | White Pond Dr from I-77 to Frank Blvd | 0.77 | 12 | 5 | 74 | 42% | 44 | 118 | 0 | 0 | Akron |
| 44 | S Arlington St from Bruce Rd/Akron SCL to E Waterloo Rd | 0.70 | 21 | 10 | 30 | 33% | 90 | 120 | 0 | 0 | Akron |
| 44 | SR 183 from US 224 to Clark Rd (TR 121) | 2.60 | 27 | 3 | 114 | 52% | 6 | 120 | 0 | 1 | Portage-Awater/Edinburg Twps |
| 46 | Massillon Rd (SR 241) from Turkeyfoot Lake Rd (SR 619) to Killian Rd | 1.50 | 17 | 4 | 106 | 47% | 15 | 121 | 0 | 0 | Green |
| 46 | SR 44 from SR 14 to SR 303 | 4.27 | 45 | 4 | 113 | 51% | 8 | 121 | 0 | 0 | Portage-Ravenna/Shalersville Twps |
| 48 | E Market St (SR 18) from Seiberling St to Mogadore Rd | 0.82 | 24 | 10 | 32 | 33% | 90 | 122 | 0 | 1 | Akron |
| 49 | Slate Rd from Portage Trail to Graham Rd | 0.27 | 22 | 27 | 3 | 32% | 120 | 123 | 0 | 0 | Cuyahoga Falls |
| 49 | Triplett from Seiberling St to Hillish Ave | 0.84 | 12 | 5 | 79 | 42% | 44 | 123 | 2 | 0 | Akron |
| 51 | SR 14 from SR 303 (E) to Diagonal Rd | 2.01 | 112 | 19 | 8 | 33% | 116 | 124 | 0 | 0 | Streetsboro |
| 51 | E Thornton St from S Main St to Grant St | 0.42 | 12 | 10 | 34 | 33% | 90 | 124 | 0 | 0 | Akron |
| 51 | E Glenwood Ave from Howard St to SR 8 | 0.84 | 24 | 10 | 34 | 33% | 90 | 124 | 0 | 0 | Akron |

| Rank | Roadway Section | Length (miles) | Total Crashes | Crashes per Mile per Year | Crashes per Mile per Year Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|---|----------------|---------------|---------------------------|--------------------------------|------------------------|---------------------|------------------|--------------|-------------|---------------------------------|
| 54 | S Canton Rd (SR 92) from E Market St (SR 18) to Mogadore Rd | 0.55 | 14 | 8 | 43 | 36% | 82 | 125 | 0 | 0 | Akron |
| 54 | Copley Rd (SR 162) from Collier Rd to St Michaels | 0.50 | 11 | 7 | 50 | 36% | 75 | 125 | 0 | 0 | Akron |
| 54 | Mogadore Rd (CR 81) from Tallmadge Rd (CR 18) to SR 261 | 2.52 | 28 | 4 | 107 | 46% | 18 | 125 | 0 | 0 | Portage-Brimfield Twp/Tallmadge |
| 57 | Brittain Rd from Independence Ave to Howe Ave | 0.56 | 7 | 4 | 92 | 43% | 34 | 126 | 0 | 0 | Akron |
| 57 | Wall St (CR 159) from Red Brush Rd (CR 158) to Cleveland Rd (CR 171) | 1.30 | 16 | 4 | 95 | 44% | 31 | 126 | 0 | 0 | Portage-Ravenna Twp |
| 59 | SR 59 from SR 14/SR 44 to SR 5 | 0.78 | 9 | 4 | 102 | 44% | 25 | 127 | 0 | 0 | Portage-Ravenna Twp |
| 59 | 8th St NW from Wooster Rd W to Hopocan Ave | 0.39 | 4 | 3 | 118 | 50% | 9 | 127 | 0 | 0 | Barberton |
| 61 | Smith Rd (CR116) from Owasso Ave to Sand Run Rd | 0.96 | 27 | 9 | 38 | 33% | 90 | 128 | 0 | 0 | Summit-Bath Twp/Akron |
| 62 | S Hawkins Ave from Vernon Odom Blvd (SR 261) to Copley Rd (SR 162) | 1.31 | 35 | 9 | 41 | 34% | 88 | 129 | 0 | 0 | Akron |
| 63 | Manchester Rd (SR 93) from State St (CR162) to Robinson Ave (CR 54) | 0.89 | 44 | 16 | 10 | 32% | 120 | 130 | 0 | 1 | Summit-Coventry Twp |
| 64 | Northampton Rd from Portage Trail to Bath Rd | 2.36 | 28 | 4 | 98 | 43% | 34 | 132 | 0 | 0 | Cuyahoga Falls |
| 65 | Diagonal Rd from S Hawkins Ave to Superior Ave | 0.59 | 11 | 6 | 58 | 36% | 75 | 133 | 0 | 0 | Akron |
| 65 | SR 544 from Prospect St to SR 14 | 3.04 | 29 | 3 | 130 | 59% | 3 | 133 | 0 | 0 | Portage-Ravenna Twp |
| 67 | Slate Rd from Steels Corners Rd to Wyoga Lake Rd | 1.79 | 21 | 4 | 100 | 43% | 34 | 134 | 0 | 0 | Cuyahoga Falls |
| 68 | Massillon Rd (SR241) from Killian Rd (CR135) to Krumroy Rd (CR130) | 1.39 | 16 | 4 | 104 | 44% | 31 | 135 | 0 | 0 | Summit-Springfield Twp |
| 69 | Wooster Rd W from 31st St to 14th St NW | 1.01 | 48 | 16 | 11 | 31% | 125 | 136 | 0 | 0 | Barberton |
| 69 | Russell Ave/Superior Ave from East Ave to Diagonal Rd | 0.74 | 18 | 8 | 46 | 33% | 90 | 136 | 0 | 0 | Akron |
| 71 | Wooster Rd N from Norton Ave to State St | 0.50 | 19 | 13 | 14 | 32% | 123 | 137 | 0 | 0 | Barberton |
| 71 | SR 585 from Fulton Rd to Benner Rd | 1.61 | 27 | 6 | 64 | 37% | 73 | 137 | 0 | 1 | Wayne-Milton Twp |
| 73 | SR 14 from I-76 to SR 183 | 0.78 | 18 | 8 | 48 | 33% | 90 | 138 | 0 | 0 | Portage-Edinsburg Twp |
| 74 | SR 88 from Garrettsville North Corp Line to SR 305 | 1.08 | 11 | 3 | 119 | 45% | 20 | 139 | 0 | 0 | Portage-Hiram/Neilson Twp |
| 75 | S Arlington St from E Archwood Ave to 2nd Ave | 1.18 | 61 | 17 | 9 | 31% | 131 | 140 | 0 | 2 | Akron |
| 76 | Prospect St (CR 74) from SR 5/44 to Hayes Rd (CR 138) | 1.70 | 36 | 7 | 51 | 33% | 90 | 141 | 0 | 1 | Portage-Rootstown/Ravenna Twp |
| 76 | S Main St from Center Rd to Turkeyfoot Lake Rd (SR 619) | 2.24 | 33 | 5 | 78 | 39% | 63 | 141 | 0 | 1 | Green |
| 78 | S Hawkins Ave from Copley Rd (SR 162) to Mull Ave Circle | 1.06 | 21 | 7 | 52 | 33% | 90 | 142 | 0 | 1 | Akron |
| 78 | North Ave / S Main St (SR 91) from Howe Rd to Northmoreland Ave | 0.89 | 17 | 6 | 56 | 35% | 86 | 142 | 0 | 0 | Tallmadge |
| 80 | Ravenna Rd from Shepard Rd to Chamberlin Rd | 0.79 | 10 | 4 | 88 | 40% | 55 | 143 | 0 | 0 | Twinsburg |
| 81 | Diagonal Rd (SR 155) from SR 303 to Menonite Rd | 2.91 | 56 | 6 | 55 | 34% | 89 | 144 | 0 | 0 | Portage-Shalersville/Mantua Twp |
| 81 | W Streetsboro St (SR 303) from Nicholson Dr to Boston Mills Rd | 0.79 | 14 | 6 | 62 | 36% | 82 | 144 | 0 | 0 | Hudson |
| 81 | SR 44 from Hartville Rd (CR 69) to Tallmadge Rd (CR 18) | 1.42 | 13 | 3 | 140 | 54% | 4 | 144 | 0 | 0 | Portage-Rootstown Twp |
| 84 | Russell Ave from Manchester Rd (SR 93) to Boulevard St | 0.54 | 8 | 5 | 77 | 38% | 69 | 146 | 0 | 0 | Akron |
| 85 | W Thornton St from East Ave to Rhodes Ave | 0.70 | 11 | 5 | 72 | 36% | 75 | 147 | 0 | 1 | Akron |
| 86 | SR 14/44 from Ravenna NE Corp Line to SR 59 | 1.00 | 32 | 11 | 25 | 31% | 125 | 150 | 0 | 0 | Portage-Ravenna Twp |
| 86 | N Mantua St (SR 43) from W Main St to Gougler Ave | 0.33 | 6 | 6 | 60 | 33% | 90 | 150 | 0 | 0 | Kent |
| 86 | Sandy Lake Rd (CR 89) from Meloy Rd (TR 92) to Lakewood Rd (CR 151) | 0.68 | 7 | 3 | 116 | 43% | 34 | 150 | 0 | 0 | Portage-Ravenna Twp |
| 86 | Main-Broadway Connector from Bartges St to Rosa Parks Dr | 0.22 | 2 | 3 | 141 | 50% | 9 | 150 | 1 | 0 | Akron |
| 90 | East Ave from Iona Ave to Morse St | 0.89 | 33 | 12 | 16 | 30% | 135 | 151 | 0 | 0 | Akron |
| 90 | Romig Rd from Akron Corp Line to Vernon Odom Blvd (SR 261) | 1.39 | 49 | 12 | 18 | 31% | 133 | 151 | 0 | 1 | Akron |
| 90 | New Milford Rd from SR 5/SR 44 to Ravenna South Corp Line | 0.41 | 5 | 4 | 96 | 40% | 55 | 151 | 0 | 0 | Ravenna |
| 90 | N Cleveland Ave (SR 532) from Mogadore Rd to Mogadore North Corp Line | 1.08 | 12 | 4 | 107 | 42% | 44 | 151 | 0 | 2 | Mogadore |
| 94 | W Wilbeth Rd from Kenmore Blvd to Maryland Ave | 0.77 | 11 | 5 | 79 | 36% | 75 | 154 | 0 | 0 | Akron |
| 95 | W Main St (SR 59) from Ravenna West Corp Line to Diamond St | 0.57 | 20 | 12 | 19 | 30% | 136 | 155 | 0 | 0 | Ravenna |
| 96 | W State St from Wooster Rd N to Barberton Corp Line | 0.86 | 30 | 12 | 20 | 30% | 136 | 156 | 0 | 0 | Barberton |
| 96 | Vernon Odom Blvd (SR 261) from Collier Rd / Akron Corp Line to Romig Rd | 0.36 | 6 | 6 | 66 | 33% | 90 | 156 | 0 | 1 | Akron |
| 96 | Goodyear Blvd from Kelly Ave to Brittain Rd | 0.70 | 7 | 3 | 122 | 43% | 34 | 156 | 0 | 0 | Akron |
| 99 | Wooster Rd W from Johnson Rd to 31st St | 0.29 | 10 | 11 | 21 | 30% | 136 | 157 | 0 | 0 | Barberton |
| 99 | Medina Rd (SR 18) from Medina Line Rd (CR 2) to S Hametown Rd (CR253) | 1.00 | 28 | 9 | 39 | 32% | 118 | 157 | 0 | 0 | Summit-Bath/Copley Twp |
| 99 | Diagonal Rd from Superior Ave to Copley Rd (SR 162) | 1.35 | 37 | 9 | 40 | 32% | 117 | 157 | 0 | 0 | Akron |
| 99 | Hazel St from N Arlington St to Eastwood Ave/Garry Rd | 0.95 | 9 | 3 | 132 | 44% | 25 | 157 | 0 | 0 | Akron |
| 99 | SR 44 from Mantua North Corp Line to SR 82 | 1.41 | 13 | 3 | 138 | 46% | 19 | 157 | 0 | 0 | Portage-Mantua Twp |
| 104 | Massillon Rd/Geo Washington (SR 241) from Akron Corp Line to E Waterloo Rd (US 224) | 0.55 | 16 | 10 | 33 | 31% | 125 | 158 | 0 | 0 | Akron |
| 104 | Newberry St from Main St to Broadway East/Tallmadge Rd | 0.56 | 9 | 5 | 64 | 33% | 90 | 158 | 0 | 0 | Cuyahoga Falls |
| 104 | W Streetsboro Rd (SR 303) from Boston Heights WCL to Akron-Cleveland Rd | 1.43 | 19 | 4 | 84 | 37% | 74 | 158 | 0 | 0 | Boston Heights |
| 104 | SR 5 from SR 59 to Rock Spring Rd (CR 52) | 3.01 | 30 | 3 | 125 | 43% | 33 | 158 | 0 | 1 | Portage-Ravenna/Charlestown Twp |
| 108 | Buchholzer Blvd from Independence Ave to Howe Ave | 0.57 | 9 | 5 | 70 | 33% | 90 | 160 | 0 | 0 | Akron |
| 109 | E Main St (SR 59) from Prospect St to Freedom St (SR 88) | 0.42 | 13 | 10 | 29 | 31% | 132 | 161 | 0 | 0 | Ravenna |
| 110 | Lakewood Rd (CR 151) from Summit Rd (CR 148) to Hommon Rd (TR 153) | 0.71 | 7 | 3 | 129 | 43% | 34 | 163 | 0 | 0 | Portage-Ravenna Twp |
| 111 | W Bath Rd from Akron/Cuy Falls CL to Northampton Rd | 1.18 | 12 | 3 | 120 | 42% | 44 | 164 | 0 | 0 | Cuyahoga Falls |

| Rank | Roadway Section | Length (miles) | Total Crashes | Crashes per Mile per Year | Crashes per Mile per Year Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|--|----------------|---------------|---------------------------|--------------------------------|------------------------|---------------------|------------------|--------------|-------------|------------------------------------|
| 112 | Robinson Ave from 5th St (SR 619) to State St | 1.05 | 30 | 10 | 36 | 30% | 136 | 172 | 0 | 0 | Barberton |
| 112 | Manchester Rd (SR 93) from SB Ramp to old Manchester Rd to East Ave | 1.37 | 32 | 8 | 47 | 31% | 125 | 172 | 0 | 0 | Akron |
| 114 | Albrecht Ave from Canton Rd (SR 91) to Akron Corp Line | 0.70 | 9 | 4 | 86 | 33% | 90 | 176 | 0 | 0 | Akron |
| 114 | Roslyn Ave from Copley Rd (SR 162) to Elm Dale Ave | 0.99 | 10 | 3 | 121 | 40% | 55 | 176 | 0 | 0 | Akron |
| 116 | S Maple St (SR 162) from W Exchange St to Glendale Ave | 0.68 | 6 | 4 | 87 | 33% | 90 | 177 | 0 | 0 | Akron |
| 116 | Akron Rd (SR 585) from Mt Eaton Rd N Jct (SR 94) to Doylestown Rd (CR 70) | 1.71 | 17 | 3 | 127 | 41% | 50 | 177 | 0 | 0 | Wayne-Chippewa Twp |
| 118 | Grant St from E Wilbeth Rd to E South St | 1.04 | 19 | 6 | 59 | 32% | 123 | 182 | 0 | 0 | Akron |
| 118 | SR 303 from SR 44 to SR 88 | 4.48 | 46 | 3 | 117 | 39% | 65 | 182 | 0 | 0 | Portage-Shalersville/Freeedom Twps |
| 120 | W Portage Trail Ext from Akron-Peninsula Rd to Northampton Rd | 1.04 | 23 | 7 | 49 | 30% | 134 | 183 | 0 | 0 | Cuyahoga Falls |
| 120 | East Ave from Munroe Rd to Tallmadge ECL | 1.21 | 14 | 4 | 101 | 36% | 82 | 183 | 0 | 0 | Tallmadge |
| 122 | SR 14 from SR 5 to I-76 | 4.48 | 72 | 5 | 68 | 32% | 119 | 187 | 0 | 0 | Portage-Ravenna/Edinsburg Twps |
| 123 | E Highland Ave from N Chestnut St to Freedom St (SR 88) | 0.51 | 6 | 4 | 99 | 33% | 90 | 189 | 0 | 0 | Ravenna |
| 124 | Massillon Rd (SR 241) from Greensburg Rd to Boettler Rd | 1.91 | 32 | 6 | 65 | 31% | 125 | 190 | 0 | 0 | Green |
| 125 | Portage Trail/High St/School St from Newberry St/Munroe Falls Ave to Bailey Rd | 0.54 | 5 | 3 | 136 | 40% | 55 | 191 | 0 | 0 | Cuyahoga Falls |
| 126 | S Lincoln St from E Summit St to E Main St (SR 59) | 0.26 | 3 | 4 | 103 | 33% | 90 | 193 | 0 | 0 | Kent |
| 127 | SR 43 from Stark County Line to US 224 | 2.74 | 26 | 3 | 131 | 38% | 66 | 197 | 0 | 0 | Portage-Suffield Twp |
| 128 | E North St from N Howard St to N Arlington St | 1.38 | 15 | 4 | 112 | 33% | 90 | 202 | 0 | 0 | Akron |
| 129 | Front St from Second St to Broad Blvd | 0.86 | 8 | 3 | 135 | 38% | 69 | 204 | 0 | 0 | Cuyahoga Falls |
| 130 | SR 14/44 from N Freedom St/SR 88 to Ravenna NE Corp Line | 0.58 | 6 | 3 | 115 | 33% | 90 | 205 | 0 | 0 | Ravenna |
| 131 | E Turkeyfoot Lake Rd (SR 619) from Massillon Rd (SR 241) to Green East Corp Line | 2.51 | 25 | 3 | 126 | 36% | 80 | 206 | 0 | 1 | Green |
| 132 | N Munroe Rd from East Ave to E Howe Rd/Northeast Ave (SR261) | 1.18 | 11 | 3 | 134 | 36% | 75 | 209 | 0 | 0 | Tallmadge |
| 133 | Carnegie Ave from Sarison Ave to Manchester Rd (SR 93) | 1.41 | 14 | 3 | 128 | 36% | 82 | 210 | 0 | 0 | Akron |
| 134 | N Depeyster St from E Main St to Crain Ave | 0.30 | 3 | 3 | 123 | 33% | 90 | 213 | 0 | 0 | Kent |
| 135 | S Seiberling St from Triplett Blvd (SR 764) to Martha Ave | 0.90 | 9 | 3 | 124 | 33% | 90 | 214 | 0 | 0 | Akron |
| 136 | Copley Rd (SR162) from Jacoby Rd (CR205) to Collier Rd (CR 28) / Akron WCL | 1.84 | 22 | 4 | 97 | 32% | 120 | 217 | 0 | 0 | Summit-Copley Twp |
| 137 | S Portage Path from Copley Rd (SR 162) to W Exchange St | 0.32 | 3 | 3 | 133 | 33% | 90 | 223 | 0 | 0 | Akron |
| 138 | W Turkeyfoot Lake Rd (SR 619) from State St to New Franklin East Corp Line | 0.81 | 10 | 4 | 94 | 30% | 136 | 230 | 0 | 0 | New Franklin |
| 139 | Waterloo Rd (CR450) from US224 to Portage Line Rd (CR 5)/(CR 7) | 1.66 | 15 | 3 | 143 | 33% | 90 | 233 | 0 | 0 | Summit-Springfield Twp |
| 140 | Grant St from E South St to E Exchange St | 0.88 | 10 | 4 | 105 | 30% | 136 | 241 | 0 | 0 | Akron |
| 141 | Chernt Rd (CR 98) from Smith Rd (CR116) to Cleveland-Massillon Rd (CR 17) | 1.76 | 16 | 3 | 141 | 31% | 125 | 266 | 0 | 0 | Summit-Bath Twp |
| 142 | Lake St from N Water St to Kent ECL | 1.08 | 10 | 3 | 136 | 30% | 136 | 272 | 0 | 0 | Kent |
| 143 | Garman Rd from N Hawkins Ave to N Portage Path | 1.09 | 10 | 3 | 139 | 30% | 136 | 275 | 0 | 0 | Akron |

Red denotes that the segment had at least one fatality



**Map 1
TOP 50
HIGH CRASH SECTIONS
2019-2021**

— High Crash Road Sections 2019-2021

High Crash Intersections

Crashes that occur within a radius of 250 feet from the center of an intersection and involve at least two vehicles are usually considered an intersection-related crash. Exceptions to this rule were driveway-related crashes and crashes that had non-intersection characteristics such as departing from the intersection. All intersections in the AMATS area were considered, including those of roads that are not federally classified.

- AMATS identified 231 intersections (222 overall ranks) that have a minimum of 9 crashes and at least 30 percent of the crashes are fatal or injury-related over the three-year period.
- Table 2 lists the 231 high crash intersections ranked by composite score. This table also notes if any crashes were bicycle or pedestrian related. Map 2 shows the top 50 high crash intersections. A location in red font indicates at least one fatality. There are 10 intersections that had at least one fatality.

High Crash Freeway Locations

The analysis of freeway crashes in the AMATS area is done by the central office of the Ohio Department of Transportation (ODOT) in Columbus. ODOT's analysis of freeways is done using methodology from the Highway Safety Manual. The freeway system is divided into *rural* and *urban* and is analyzed by examining segments that are one-tenth of a mile long. ODOT only considers the top 50 rural and top 50 urban locations statewide for further study. For further information about top freeway crash locations along with other 2020 HSIP Priority Locations from ODOT, please follow the following link.

<http://www.dot.state.oh.us/Divisions/Planning/ProgramManagement/HighwaySafety/HSIP/Pages/Priority-Lists-Initiatives.aspx>

Table 2
HIGH CRASH INTERSECTIONS
RANKED BY SCORE BASED ON NUMBER OF CRASHES AND % OF INJURY AND FATAL
2019-2021

| Rank | Street and Intersecting Street(s) | Total Crashes | Total Crashes Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|---|---------------|--------------------|------------------------|---------------------|------------------|--------------|-------------|---------------------------|
| 1 | Medina Rd (SR 18) and Medina Line Rd | 24 | 32 | 63% | 9 | 41 | 0 | 0 | Summit-Bath/Copley Twps |
| 2 | SR 14 and SR 44/N Chestnut St | 39 | 10 | 51% | 36 | 46 | 0 | 1 | Ravenna |
| 2 | N Howard St and Glenwood Ave | 31 | 18 | 55% | 28 | 46 | 0 | 0 | Akron |
| 4 | SR 261 and Mogadore Rd | 19 | 47 | 63% | 7 | 54 | 0 | 0 | Kent |
| 4 | SR 82 and Mantua Center Rd | 19 | 47 | 63% | 7 | 54 | 0 | 0 | Portage-Mantua Twp |
| 6 | US 224 and SR 225 | 28 | 23 | 50% | 37 | 60 | 0 | 0 | Portage-Deerfield Twp |
| 7 | Cleveland Massillon Rd and Eastern Rd | 20 | 44 | 55% | 27 | 71 | 0 | 0 | Norton |
| 8 | SR 82 and Chamberlain Rd | 16 | 63 | 56% | 20 | 83 | 0 | 0 | Portage-Mantua Twp |
| 9 | SR 88 and SR 305 | 18 | 54 | 50% | 37 | 91 | 0 | 0 | Portage-Hiram/Nelson Twps |
| 9 | SR 59 and Rhodes Rd/Ashton Ln | 14 | 88 | 71% | 3 | 91 | 1 | 0 | Portage-Franklin Twp |
| 11 | US 224 and Portage Line Rd (SR 532) | 19 | 47 | 47% | 46 | 93 | 0 | 0 | Portage-Suffield Twp |
| 12 | SR 44 and Tallmadge Rd | 17 | 60 | 53% | 35 | 95 | 0 | 0 | Portage-Rootstown Twp |
| 13 | N Howard St and North St | 44 | 6 | 41% | 90 | 96 | 0 | 2 | Akron |
| 14 | SR 5/44 and Lynn Rd | 31 | 18 | 42% | 83 | 101 | 0 | 0 | Portage-Rootstown Twp |
| 15 | S High St and Bartges St | 20 | 44 | 45% | 58 | 102 | 0 | 0 | Akron |
| 15 | E Aurora Rd (SR 82) and Hadden Rd/Wilcox Dr | 20 | 44 | 45% | 58 | 102 | 0 | 0 | Twinsburg |
| 17 | S Arlington St and S Case Av/Johnston St | 35 | 12 | 40% | 92 | 104 | 0 | 1 | Akron |
| 17 | Wadsworth Rd (SR 57) and Easton Rd (SR 604) | 13 | 103 | 85% | 1 | 104 | 0 | 0 | Wayne-Chippewa Twp |
| 19 | Bellows St and Crosier St | 14 | 88 | 57% | 18 | 106 | 0 | 0 | Akron |
| 19 | S Arlington Rd and Nimisila Rd | 14 | 88 | 57% | 18 | 106 | 0 | 0 | Green |
| 21 | Eastwood Ave and Morningview Ave | 15 | 76 | 53% | 33 | 109 | 0 | 0 | Akron |
| 21 | SR 59 and Apple Blossom Dr | 15 | 76 | 53% | 33 | 109 | 0 | 1 | Portage-Franklin Twp |
| 23 | SR 21 and Edwards Rd | 13 | 103 | 62% | 10 | 113 | 0 | 0 | Wayne-Chippewa Twp |
| 24 | Broad Blvd and Front St | 18 | 54 | 44% | 60 | 114 | 2 | 1 | Cuyahoga Falls |
| 24 | SR 585 and Eastern Rd | 18 | 54 | 44% | 60 | 114 | 0 | 0 | Norton |
| 24 | Kent Rd (SR 59) and Fishcreek Rd | 18 | 54 | 44% | 60 | 114 | 0 | 0 | Stow |
| 27 | SR 14 and Mondial Pkwy/Singletary Dr | 54 | 3 | 39% | 115 | 118 | 0 | 0 | Streetsboro |
| 28 | Bartges St and Dart Ave | 15 | 76 | 47% | 47 | 123 | 0 | 0 | Akron |
| 28 | Riverview Rd and Ira Rd | 15 | 76 | 47% | 47 | 123 | 0 | 0 | Cuyahoga Falls |
| 30 | SR 57 and SR 585 | 14 | 88 | 50% | 37 | 125 | 0 | 0 | Wayne-Chippewa Twp |
| 30 | Wadsworth Rd (SR 261) and S Hametown Rd | 14 | 88 | 50% | 37 | 125 | 0 | 0 | Norton |
| 32 | Manchester Rd (SR 93) and Robinson Ave | 33 | 16 | 39% | 111 | 127 | 0 | 2 | Summit-Coventry Twp |
| 33 | Copley Rd (SR 162) and Madison Ave | 19 | 47 | 42% | 82 | 129 | 0 | 1 | Akron |
| 34 | Brown St and Archwood Ave | 22 | 40 | 41% | 90 | 130 | 0 | 0 | Akron |
| 35 | Copley Rd (SR 162) and Wildwood Ave | 13 | 103 | 54% | 31 | 134 | 0 | 0 | Akron |
| 35 | E Market St (SR 18) and Goodkirk St | 13 | 103 | 54% | 31 | 134 | 0 | 0 | Akron |
| 37 | Kent Rd (SR 59) and Darrow Rd (SR 91) | 28 | 23 | 39% | 112 | 135 | 1 | 0 | Stow |

| Rank | Street and Intersecting Street(s) | Total Crashes | Total Crashes Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|--|---------------|--------------------|------------------------|---------------------|------------------|--------------|-------------|------------------------|
| 38 | Mayfair Rd and Wise Rd | 16 | 63 | 44% | 76 | 139 | 0 | 0 | Green |
| 38 | Brown St and E Thornton St | 12 | 124 | 58% | 15 | 139 | 0 | 1 | Akron |
| 38 | SR 14 and Alliance Rd | 12 | 124 | 58% | 15 | 139 | 0 | 0 | Portage-Atwater Twp |
| 38 | Waterloo Rd and Portage Line Rd | 12 | 124 | 58% | 15 | 139 | 0 | 0 | Portage-Suffield Twp |
| 42 | S Broadway St and Rosa Parks Dr | 44 | 6 | 36% | 136 | 142 | 0 | 0 | Akron |
| 43 | MLK Jr. Blvd (SR 59) and N Broadway St (SR 261) | 35 | 12 | 37% | 132 | 144 | 0 | 0 | Akron |
| 44 | S Maple St (SR 162) and W Cedar St | 29 | 22 | 38% | 125 | 147 | 0 | 2 | Akron |
| 45 | S Broadway St and E Miller Ave | 23 | 35 | 39% | 113 | 148 | 0 | 1 | Akron |
| 45 | US 224 and SR 43 | 23 | 35 | 39% | 113 | 148 | 0 | 0 | Portage-Suffield Twp |
| 47 | SR 261 and Franklin Ave/Sunnybrook Rd | 11 | 147 | 73% | 2 | 149 | 0 | 0 | Kent |
| 48 | W Market St (SR 18) and Rhodes Ave | 13 | 103 | 46% | 49 | 152 | 0 | 0 | Akron |
| 48 | E Wilbeth Rd (SR 764) and Brown St | 13 | 103 | 46% | 49 | 152 | 0 | 0 | Akron |
| 48 | E Waterloo Rd and Coventry St/I-77 SB Off-ramp | 13 | 103 | 46% | 49 | 152 | 0 | 0 | Akron |
| 48 | Broad Blvd and 4th St | 13 | 103 | 46% | 49 | 152 | 0 | 0 | Cuyahoga Falls |
| 48 | Diagonal Rd and Mennonite Rd | 13 | 103 | 46% | 49 | 152 | 0 | 0 | Portage-Manitua Twp |
| 53 | SR 21 and Clinton Rd | 11 | 147 | 64% | 6 | 153 | 0 | 0 | Wayne-Chippewa Twp |
| 54 | SR 14/44 and N Freedom St (SR 88) | 27 | 25 | 37% | 133 | 158 | 0 | 0 | Ravenna |
| 54 | S Main St and Swartz Rd/US 224 EB Ramps | 24 | 32 | 38% | 126 | 158 | 1 | 0 | Akron |
| 54 | Wooster Rd N and Wooster Rd W/Robinson Ave | 24 | 32 | 38% | 126 | 158 | 0 | 1 | Barberton |
| 57 | SR 14 and Cleveland Rd | 12 | 124 | 50% | 37 | 161 | 0 | 0 | Portage-Ravenna Twp |
| 57 | Hudson Dr and Steels Corners Rd/Allen Rd | 12 | 124 | 50% | 37 | 161 | 0 | 0 | Stow |
| 59 | E Market St (SR 18) and Main St | 14 | 88 | 43% | 77 | 165 | 1 | 1 | Akron |
| 59 | S Hawkins Ave and Stoner St | 14 | 88 | 43% | 77 | 165 | 0 | 0 | Akron |
| 59 | SR 261 and Summit Rd | 14 | 88 | 43% | 77 | 165 | 0 | 0 | Portage-Franklin Twp |
| 59 | Massillon Rd (SR 241) and Krumroy Rd | 14 | 88 | 43% | 77 | 165 | 0 | 0 | Summit-Springfield Twp |
| 59 | Myersville Rd and Killian Rd | 14 | 88 | 43% | 77 | 165 | 0 | 0 | Summit-Springfield Twp |
| 64 | Portage Trail and 4th St | 21 | 43 | 38% | 124 | 167 | 1 | 0 | Cuyahoga Falls |
| 65 | Archwood Ave and Inman St | 15 | 76 | 40% | 92 | 168 | 0 | 0 | Akron |
| 65 | Van Buren Ave and Robinson Ave | 15 | 76 | 40% | 92 | 168 | 0 | 1 | Barberton |
| 67 | Buchtel Ave and Goodkirk St | 18 | 54 | 39% | 115 | 169 | 0 | 0 | Akron |
| 68 | S Main St and Thornton St | 34 | 14 | 35% | 156 | 170 | 0 | 0 | Akron |
| 68 | S Arlington Rd and Mount Pleasant Rd | 10 | 166 | 70% | 4 | 170 | 0 | 0 | Green |
| 70 | Darrow Rd (SR 91) and Terex Rd | 31 | 18 | 35% | 155 | 173 | 0 | 0 | Hudson |
| 71 | W Market St (SR 18) and Maple St | 22 | 40 | 36% | 136 | 176 | 0 | 3 | Akron |
| 71 | Copley Rd (SR 162) and Noble Ave | 11 | 147 | 55% | 29 | 176 | 0 | 0 | Akron |
| 71 | S Arlington Rd and Krumroy Rd/Thierry Ave | 11 | 147 | 55% | 29 | 176 | 0 | 0 | Summit-Coventry Twp |
| 74 | Triplett Blvd (SR 241 / SR 764) and Hilbish Ave (SR 241) | 25 | 28 | 36% | 149 | 177 | 0 | 0 | Akron |
| 74 | Rhodes Ave and W Thornton St | 10 | 166 | 60% | 11 | 177 | 0 | 0 | Akron |
| 74 | Randolph Rd and Martin Rd | 10 | 166 | 60% | 11 | 177 | 0 | 0 | Portage-Suffield Twp |
| 74 | SR 43 and Trares Rd | 10 | 166 | 60% | 11 | 177 | 0 | 0 | Portage-Suffield Twp |
| 74 | Ravenna Rd and Bellmeadow Dr/Chamberlin Rd | 10 | 166 | 60% | 11 | 177 | 0 | 0 | Summit-Twinsburg Twp |
| 79 | S Arlington St and Archwood Ave | 30 | 21 | 33% | 159 | 180 | 0 | 2 | Akron |

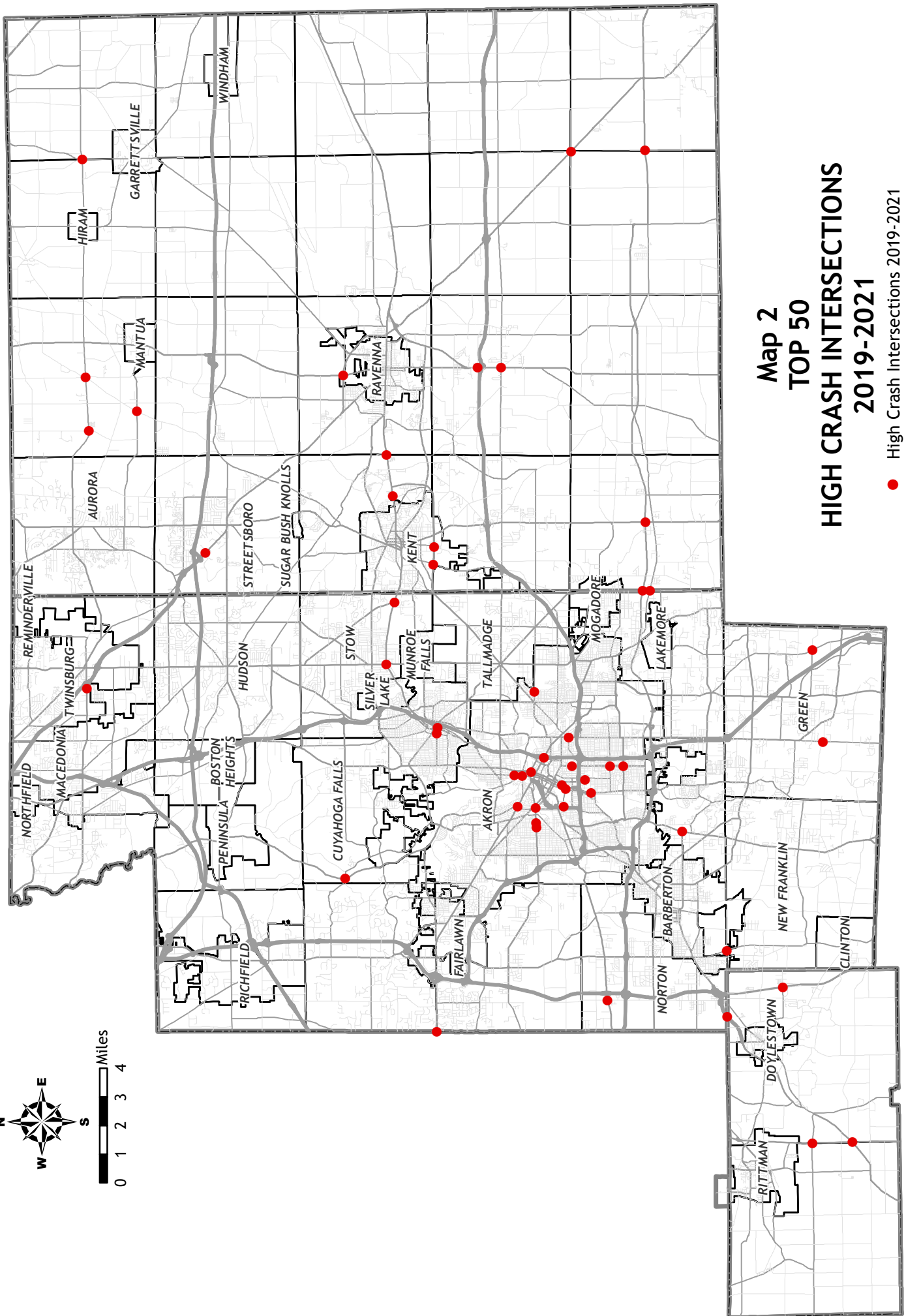
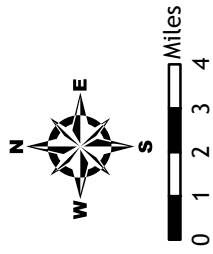
| Rank | Street and Intersecting Street(s) | Total Crashes | Total Crashes Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|--|---------------|--------------------|------------------------|---------------------|------------------|--------------|-------------|------------------------------|
| 80 | E Market St (SR 18) and Canton Rd (SR 91)/Robindale Ave | 19 | 47 | 37% | 134 | 181 | 0 | 0 | Akron |
| 80 | SR 14 and Infirmary Rd | 19 | 47 | 37% | 134 | 181 | 0 | 0 | Portage-Ravenna Twp |
| 82 | Vernon Odom Blvd (SR 261) and Superior Ave | 27 | 25 | 33% | 159 | 184 | 0 | 0 | Akron |
| 83 | Diagonal Rd and East Ave | 16 | 63 | 38% | 126 | 189 | 0 | 0 | Akron |
| 83 | Medina Rd (SR 18) and Heritage Woods Dr | 16 | 63 | 38% | 126 | 189 | 0 | 0 | Summit-Bath/Copley Twps |
| 83 | SR 303 and SR 8 NB Off Ramp | 16 | 63 | 38% | 126 | 189 | 1 | 0 | Boston Heights |
| 83 | Broad Blvd and 2nd St | 16 | 63 | 38% | 126 | 189 | 0 | 0 | Cuyahoga Falls |
| 87 | N Main St and Medford Ave | 11 | 147 | 45% | 54 | 201 | 0 | 0 | Akron |
| 87 | S Arlington St and Lovers Lane | 11 | 147 | 45% | 54 | 201 | 0 | 0 | Akron |
| 87 | E Market St (SR 18) and E Exchange St | 11 | 147 | 45% | 54 | 201 | 1 | 0 | Akron |
| 87 | Howe Ave and Cliffside Dr | 11 | 147 | 45% | 54 | 201 | 0 | 0 | Cuyahoga Falls |
| 91 | Manchester Rd (SR 93) and W Waterloo Rd | 48 | 4 | 31% | 199 | 203 | 0 | 0 | Akron |
| 91 | S Arlington Rd and Arlington Ridge | 48 | 4 | 31% | 199 | 203 | 0 | 2 | Green |
| 91 | Boston Mills Rd and Olde Eight Rd | 10 | 166 | 50% | 37 | 203 | 0 | 0 | Boston Heights |
| 91 | Doylestown Rd and Seville Rd | 10 | 166 | 50% | 37 | 203 | 0 | 0 | Wayne-Milton |
| 91 | S Prospect St and Sandy Lake Rd | 10 | 166 | 50% | 37 | 203 | 0 | 0 | Portage-Rootstown Twp |
| 96 | Olde Eight Rd and Valley View Rd | 9 | 200 | 67% | 5 | 205 | 0 | 0 | Summit-Northfield Center Twp |
| 97 | Graham Rd and Wyoga Lake Rd/Oakwood Dr | 34 | 14 | 32% | 192 | 206 | 0 | 0 | Cuyahoga Falls |
| 98 | S Arlington Rd and I-77 SB Ramps | 38 | 11 | 32% | 197 | 208 | 0 | 0 | Green |
| 98 | Kenmore Blvd and Old Manchester Rd | 12 | 124 | 42% | 84 | 208 | 1 | 0 | Akron |
| 98 | SR 44 and Pioneer Trail | 12 | 124 | 42% | 84 | 208 | 0 | 0 | Portage-Mantua Twp |
| 98 | Center Rd and Renninger Rd | 12 | 124 | 42% | 84 | 208 | 0 | 0 | New Franklin |
| 98 | Canton Rd and Tisen Rd | 12 | 124 | 42% | 84 | 208 | 0 | 0 | Summit-Springfield Twp |
| 98 | Steels Corners Rd and Bridgewater Pkwy/Steels Pointe | 12 | 124 | 42% | 84 | 208 | 0 | 0 | Stow |
| 98 | SR 14 and SR 303 (W Jct) | 12 | 124 | 42% | 84 | 208 | 0 | 0 | Streetsboro |
| 105 | Medina Rd (SR 18) and Crystal Lake Rd/Montrose West Ave | 58 | 2 | 31% | 209 | 211 | 0 | 0 | Summit-Bath/Copley Twp |
| 106 | N Chestnut St and Highland Ave | 18 | 54 | 33% | 159 | 213 | 1 | 0 | Ravenna |
| 107 | SR 14/44 and SR 59 | 32 | 17 | 31% | 199 | 216 | 0 | 0 | Portage-Ravenna Twp |
| 107 | SR 43 and Old Forge Rd | 17 | 60 | 35% | 156 | 216 | 0 | 0 | Portage-Brimfield Twp |
| 107 | Killian Rd and Pickle Rd | 17 | 60 | 35% | 156 | 216 | 0 | 0 | Summit-Springfield Twp |
| 110 | SR 14/SR 303 and SR 43 | 85 | 1 | 31% | 216 | 217 | 0 | 0 | Streetsboro |
| 111 | W Hopocan Ave and 15th St NW | 13 | 103 | 38% | 117 | 220 | 1 | 0 | Barberton |
| 111 | Portage Trail and 13th St (W Jct) | 13 | 103 | 38% | 117 | 220 | 1 | 0 | Cuyahoga Falls |
| 111 | State Rd and Sackett Ave | 13 | 103 | 38% | 117 | 220 | 0 | 0 | Cuyahoga Falls |
| 111 | W Market St (SR 18) and Morewood Rd/Summit Mall Entrance | 13 | 103 | 38% | 117 | 220 | 0 | 0 | Fairlawn |
| 111 | Mayfair Rd and Mount Pleasant Rd | 13 | 103 | 38% | 117 | 220 | 0 | 0 | Green |
| 111 | US 224 and E Waterloo Rd | 13 | 103 | 38% | 117 | 220 | 0 | 0 | Summit-Springfield Twp |
| 111 | SR 43 and Randolph Rd | 13 | 103 | 38% | 117 | 220 | 0 | 0 | Portage-Suffield Twp |
| 118 | Archwood Ave and Coventry St | 25 | 28 | 32% | 193 | 221 | 0 | 0 | Akron |
| 118 | E Wilbeth Rd (SR 764) and Coventry St/I-77 SB Ramp | 25 | 28 | 32% | 193 | 221 | 0 | 0 | Akron |
| 118 | Howe Ave and Buchholzer Blvd | 25 | 28 | 32% | 193 | 221 | 0 | 0 | Cuyahoga Falls |
| 118 | W Market St (SR 18) and Valley St | 9 | 200 | 56% | 21 | 221 | 1 | 1 | Akron |

| Rank | Street and Intersecting Street(s) | Total Crashes | Total Crashes Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|---|---------------|--------------------|------------------------|---------------------|------------------|--------------|-------------|------------------------------|
| 118 | Wadsworth Rd (SR 57) and Doylestown Rd | 9 | 200 | 56% | 21 | 221 | 0 | 0 | Wayne-Chippewa Twp |
| 118 | SR 14 and SR 225 | 9 | 200 | 56% | 21 | 221 | 0 | 0 | Portage-Deerfield Twp |
| 118 | SR 5/44 and Hayes Rd | 9 | 200 | 56% | 21 | 221 | 0 | 0 | Portage-Ravenna Twp |
| 118 | E Waterloo Rd (US 224) and Kubler Trail | 9 | 200 | 56% | 21 | 221 | 0 | 0 | Summit-Springfield Twp |
| 118 | Killian Rd and Pressler Rd | 9 | 200 | 56% | 21 | 221 | 0 | 0 | Summit-Springfield Twp |
| 127 | S Broadway St (SR 261) and E Exchange St | 43 | 8 | 30% | 220 | 228 | 0 | 0 | Akron |
| 127 | MLK Jr. Blvd (SR 59) and N High St (SR 261) | 43 | 8 | 30% | 220 | 228 | 0 | 0 | Akron |
| 129 | Brittain Rd and Newton St | 15 | 76 | 33% | 159 | 235 | 0 | 0 | Akron |
| 129 | Portage Trail and Lillis Dr | 15 | 76 | 33% | 159 | 235 | 0 | 0 | Cuyahoga Falls |
| 129 | E Turkeyfoot Lake Rd (SR 619) and Cottage Grove Rd | 15 | 76 | 33% | 159 | 235 | 0 | 0 | Green |
| 129 | Olde Eight Rd and Twinsburg Rd | 15 | 76 | 33% | 159 | 235 | 0 | 0 | Summit-Northfield Center Twp |
| 129 | SR 21 and Eastern Rd | 15 | 76 | 33% | 159 | 235 | 0 | 1 | Norton |
| 129 | E Aurora Rd (SR 82) and Ravenna Rd (SR 82)/Cannon Rd/Ravenna Rd | 15 | 76 | 33% | 159 | 235 | 0 | 0 | Summit-Twinsburg Twp |
| 135 | Fishcreek Rd and Stow Rd | 22 | 40 | 32% | 196 | 236 | 0 | 0 | Stow |
| 136 | E Market St (SR 18) and Arlington St | 26 | 27 | 31% | 210 | 237 | 0 | 0 | Akron |
| 137 | Vernon Odom Blvd (SR 261) and Rand St/Rhodes Ave | 14 | 88 | 36% | 150 | 238 | 0 | 0 | Akron |
| 137 | S Arlington St and 2nd St/Martin St/I-76 WB Off-ramp | 14 | 88 | 36% | 150 | 238 | 0 | 0 | Akron |
| 137 | Summit St and Powder Mill Rd | 14 | 88 | 36% | 150 | 238 | 0 | 0 | Portage-Franklin Twp |
| 137 | Massillon Rd (SR 241) and Greensburg Rd | 14 | 88 | 36% | 150 | 238 | 0 | 0 | Green |
| 137 | Canton Rd and Sanitarium Rd | 14 | 88 | 36% | 150 | 238 | 0 | 1 | Lakemore |
| 142 | S Arlington St (SR 764) and Triplett Blvd (SR 764) | 19 | 47 | 32% | 197 | 244 | 1 | 0 | Akron |
| 143 | Copley Rd (SR 162) and Diagonal Rd/S Portage Path | 23 | 35 | 30% | 217 | 252 | 1 | 0 | Akron |
| 143 | W Cedar St and Dart Ave | 23 | 35 | 30% | 217 | 252 | 0 | 1 | Akron |
| 143 | SR 43 and I-76 WB Ramps/Edson Rd | 23 | 35 | 30% | 217 | 252 | 0 | 0 | Portage-Brimfield Twp |
| 146 | N Main St and Iuka Ave | 10 | 166 | 40% | 92 | 258 | 0 | 1 | Akron |
| 146 | E Exchange St and Goodkirk Rd | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Akron |
| 146 | E Waterloo Rd and Highview Ave | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Akron |
| 146 | S Main St and US 224 WB Ramps | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Akron |
| 146 | S Hawkins Ave and Delia Ave | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Akron |
| 146 | N Arlington St and Hazel St | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Akron |
| 146 | Akron Peninsula Rd and W Bath Rd | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Akron |
| 146 | Old Forge Rd and Mogadore Rd | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Portage-Brimfield Twp |
| 146 | Eastern Rd and Portage St/Wooster Rd W | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Wayne-Chippewa Twp |
| 146 | Howe Ave and Ritchie St | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Cuyahoga Falls |
| 146 | S Arlington Rd and I-77 NB Ramps | 10 | 166 | 40% | 92 | 258 | 1 | 0 | Green |
| 146 | Gouglar Ave (SR 43) and River (SR 43)/W Main St | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Kent |
| 146 | Haymaker Pkwy (SR 59) and S Depeyster St | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Kent |
| 146 | S Prospect St and E Lake Ave | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Ravenna |
| 146 | Steels Corners Rd and SR 8 SB Ramps | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Stow |
| 146 | Streetsboro Rd (SR 303) and Jefferson St | 10 | 166 | 40% | 92 | 258 | 0 | 0 | Streetsboro |
| 162 | E Market St (SR 18) and Adams St (E Jct) | 9 | 200 | 44% | 60 | 260 | 0 | 2 | Akron |
| 162 | S Arlington St and Rosemary St | 9 | 200 | 44% | 60 | 260 | 0 | 2 | Akron |

| Rank | Street and Intersecting Street(s) | Total Crashes | Total Crashes Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|--|---------------|--------------------|------------------------|---------------------|------------------|--------------|-------------|---------------------|
| 162 | Kenmore Blvd and W Wilbeth Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Akron |
| 162 | Medina Line Rd and Granger Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Summit-Bath Twp |
| 162 | Portage Trail and 3rd St | 9 | 200 | 44% | 60 | 260 | 0 | 1 | Cuyahoga Falls |
| 162 | Smith Rd and Bath Hills Blvd/Corunna Ave | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Fairlawn |
| 162 | Massillon Rd (SR 241) and Graybill Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Green |
| 162 | S Arlington Rd and Greensburg Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Green |
| 162 | E Main St (SR 59) and University Dr | 9 | 200 | 44% | 60 | 260 | 0 | 2 | Kent |
| 162 | SR 585 and Fulton Rd (CR 27) | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Wayne-Milton Twp |
| 162 | SR 59 and Brady Lake Rd/Hoover Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Portage-Ravenna Twp |
| 162 | Graham Rd and Dover Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Silver Lake |
| 162 | Eastern Rd and Ritman Rd | 9 | 200 | 44% | 60 | 260 | 0 | 0 | Wayne-Chippewa Twp |
| 175 | W Market St (SR 18) and Revere Rd | 16 | 63 | 31% | 199 | 262 | 0 | 0 | Akron |
| 175 | N Main St (SR 261) and Olive St | 16 | 63 | 31% | 199 | 262 | 0 | 1 | Akron |
| 175 | W Exchange St and Rand Ave | 16 | 63 | 31% | 199 | 262 | 1 | 0 | Akron |
| 175 | W Market St (SR 18) and Hampshire Rd | 16 | 63 | 31% | 199 | 262 | 0 | 0 | Fairlawn |
| 175 | S Arlington Rd and Boettler Rd | 16 | 63 | 31% | 199 | 262 | 0 | 0 | Green |
| 175 | Middleton Rd and Stow Rd | 16 | 63 | 31% | 199 | 262 | 0 | 0 | Hudson |
| 175 | West Ave (SR 261) and Thomas Rd | 16 | 63 | 31% | 199 | 262 | 0 | 1 | Tallmadge |
| 182 | E Wilbeth Rd (SR 764) and Virginia Ave | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Akron |
| 182 | Bellows St and Archwood Ave | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Akron |
| 182 | Kelly Ave and Archwood Ave | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Akron |
| 182 | Perkins St (SR 59) and N Union St | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Akron |
| 182 | Portage Trail and North Haven Blvd | 12 | 124 | 33% | 159 | 283 | 1 | 0 | Cuyahoga Falls |
| 182 | S Miller Rd and Chamberlain Rd | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Fairlawn |
| 182 | Massillon Rd (SR 241) and Corporate Woods Cir/Thorn Dr | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Green |
| 182 | Mantua St (SR 43) and W Main St | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Kent |
| 182 | E Main St (SR 59) and Luther Ave/Terrace Dr | 12 | 124 | 33% | 159 | 283 | 0 | 2 | Kent |
| 182 | Kent Rd (SR 59) and Marsh Rd | 12 | 124 | 33% | 159 | 283 | 0 | 1 | Stow |
| 182 | SR 14 and Classic Dr | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Streetsboro |
| 182 | E Aurora Rd (SR 82) and Chamberlin Rd | 12 | 124 | 33% | 159 | 283 | 0 | 0 | Twinsburg |
| 182 | Brown St and Lamparter St | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Akron |
| 182 | Bellows St and Emerling Ave | 11 | 147 | 36% | 136 | 283 | 0 | 1 | Akron |
| 182 | Memorial Pkwy and Aqueduct St/Royal Ave | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Akron |
| 182 | Grant St and Archwood Ave | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Akron |
| 182 | S Main St and N Turkeyfoot Rd | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Summit-Coventry Twp |
| 182 | Portage Trail and Valley Rd | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Cuyahoga Falls |
| 182 | State Rd and Valley Rd | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Cuyahoga Falls |
| 182 | S Arlington Rd and Interstate Pkwy | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Green |
| 182 | W Main St and Francis St | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Kent |
| 182 | Steels Corners Rd and Wyndham Ridge Dr | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Stow |
| 182 | Kent Rd (SR 59) and Charring Cross Rd | 11 | 147 | 36% | 136 | 283 | 0 | 0 | Stow |
| 205 | Triplett Blvd (SR 764) and Massillon Rd | 13 | 103 | 31% | 210 | 313 | 0 | 0 | Akron |

| Rank | Street and Intersecting Street(s) | Total Crashes | Total Crashes Rank | Percent Injury & Fatal | Injury & Fatal Rank | Total Rank Score | Bike Related | Ped Related | Location |
|------|---|---------------|--------------------|------------------------|---------------------|------------------|--------------|-------------|-------------------|
| 205 | Graham Rd and Bailey Rd | 13 | 103 | 31% | 210 | 313 | 0 | 0 | Cuyahoga Falls |
| 205 | 2nd St and Northland St | 13 | 103 | 31% | 210 | 313 | 0 | 0 | Cuyahoga Falls |
| 205 | SR 14 and SR 303 (E Jct)/Ranch Rd | 13 | 103 | 31% | 210 | 313 | 0 | 0 | Streetsboro |
| 205 | Darrow Rd (SR 91) and Ethan Dr/Meadowood Dr | 13 | 103 | 31% | 210 | 313 | 0 | 1 | Twinsburg |
| 210 | W Market St (SR 18) and Wallhaven Cir | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Akron |
| 210 | E Market St (SR 18) and Summit St | 9 | 200 | 33% | 159 | 359 | 0 | 1 | Akron |
| 210 | Vernon Odum Blvd (SR 261) and Raymond St | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Akron |
| 210 | S Broadway St and Selle St | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Akron |
| 210 | E Tallmadge Ave (SR 261) and Dayton St | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Akron |
| 210 | Brown St and N Firestone Blvd | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Akron |
| 210 | Copley Rd (SR 162) and SR 21 NB Ramps | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Summit-Copley Twp |
| 210 | Portage Trail and Cedar Hill Rd | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Cuyahoga Falls |
| 210 | S Water St (SR 43) and Bowman Dr/Cherry St | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Kent |
| 210 | S Water St (SR 43) and Beryl Dr | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Kent |
| 210 | W Summit St and Franklin Ave | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Kent |
| 210 | Twinsburg Rd and Valley View Rd | 9 | 200 | 33% | 159 | 359 | 0 | 0 | Macedonia |
| 222 | E Market St (SR 18) and I-76 WB Ramps | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Akron |
| 222 | S Main St and Firestone Blvd | 10 | 166 | 30% | 222 | 388 | 1 | 0 | Akron |
| 222 | Darrow Rd (SR 91) and Eastlawn St | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Akron |
| 222 | 5th St SE and Snyder Ave | 10 | 166 | 30% | 222 | 388 | 1 | 0 | Barberton |
| 222 | Graham Rd and Lillis Dr | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Cuyahoga Falls |
| 222 | Darrow Rd (SR 91) and Barlow Rd | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Hudson |
| 222 | W Streetsboro Rd (SR 303) and Terex Rd | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Hudson |
| 222 | Summit St and Loop Rd | 10 | 166 | 30% | 222 | 388 | 1 | 0 | Kent |
| 222 | Stow Rd and Call Rd | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Stow |
| 222 | Darrow Rd (SR 91) and Highland Rd | 10 | 166 | 30% | 222 | 388 | 0 | 0 | Twinsburg |

Red denotes that the intersection had at least one fatality



**Map 2
TOP 50
HIGH CRASH INTERSECTIONS
2019-2021**

● High Crash Intersections 2019-2021

Section 3: Bicycle and Pedestrian Crashes

Overview

As biking and walking becomes a more popular and viable means of transportation, there is growing concern about the safety of bicycle riders and pedestrians. Determining how and where these incidents occur can help plan for future bicycle lanes, sidewalks, lighting, and educational outreach. Bicycle and pedestrian-related crashes tend to happen more randomly and usually do not have the characteristic of being concentrated at specific locations like other vehicular crashes. Because of this it is sometimes more practical to make improvements to a corridor rather than a specific location.

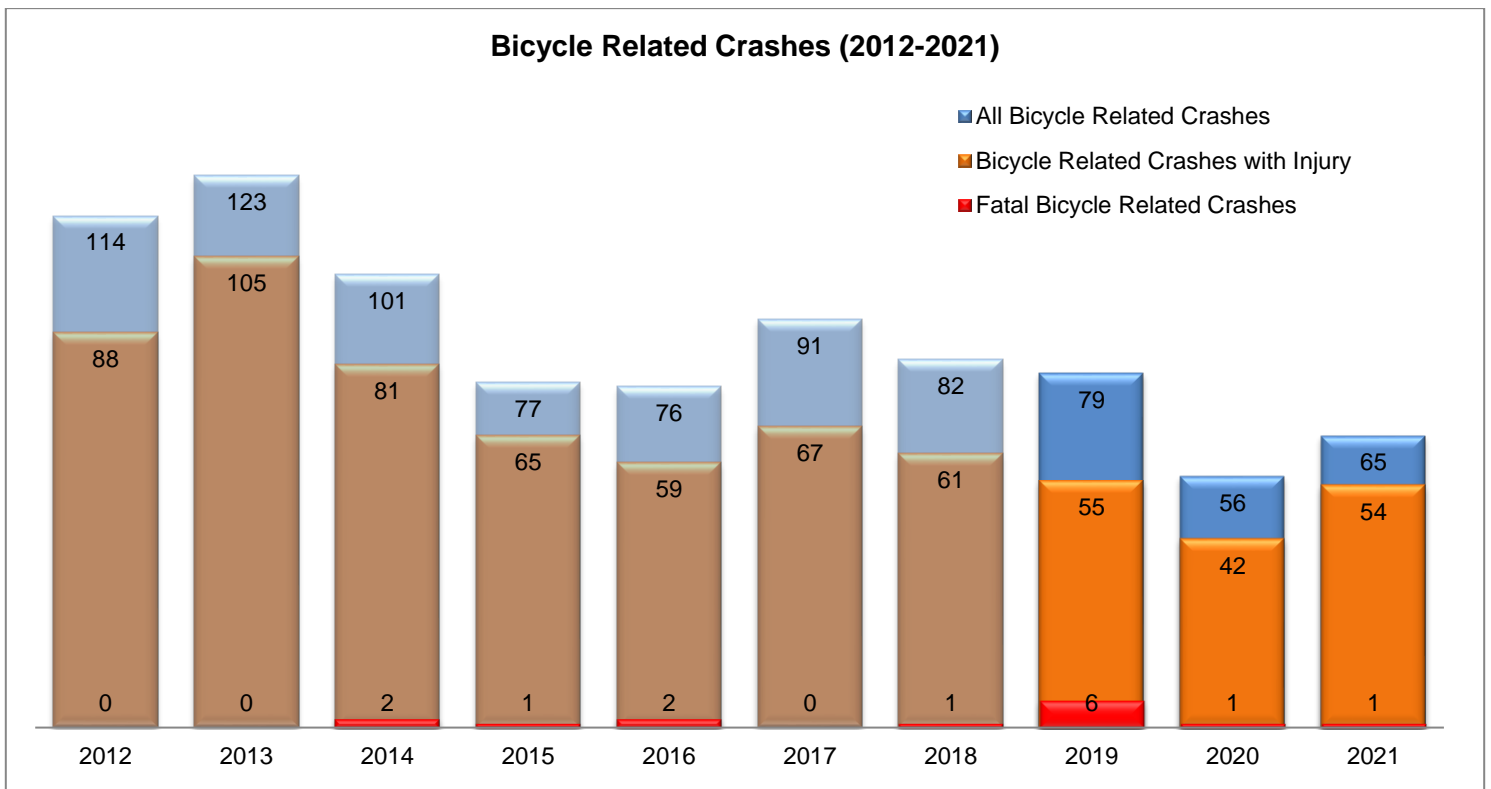
Education is an important tool to help curb bicycle and pedestrian-related crashes. Appendix A has bicycle and pedestrian safety tips to help with this education. Many bicycle riders and pedestrians, especially those under the driving age, may not be aware of the rules that they must observe. Appendix B shows School Bus Stopping Laws as this can impact many pedestrians and drivers.

Bicycle and pedestrian-related crashes have a high percentage of injuries.

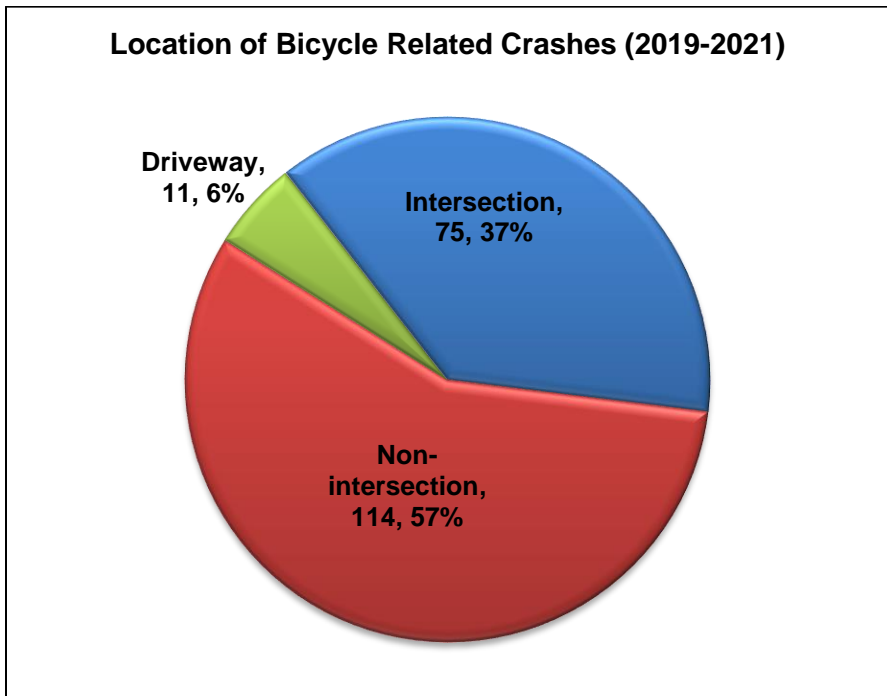
- Out of the 200 bicycle-related crashes that occurred between 2019, 2020 and 2021, 151 of them or **75.5%** resulted in an injury and eight of them in a fatality.
- There were 382 pedestrian-related crashes in this same time-period with 319 or **83.5%** of them resulting in an injury and 26 of them in a fatality. Pedestrians accounted for over **14%** of all fatalities that occurred between 2019 and 2021.

Bicycle-Related Crashes

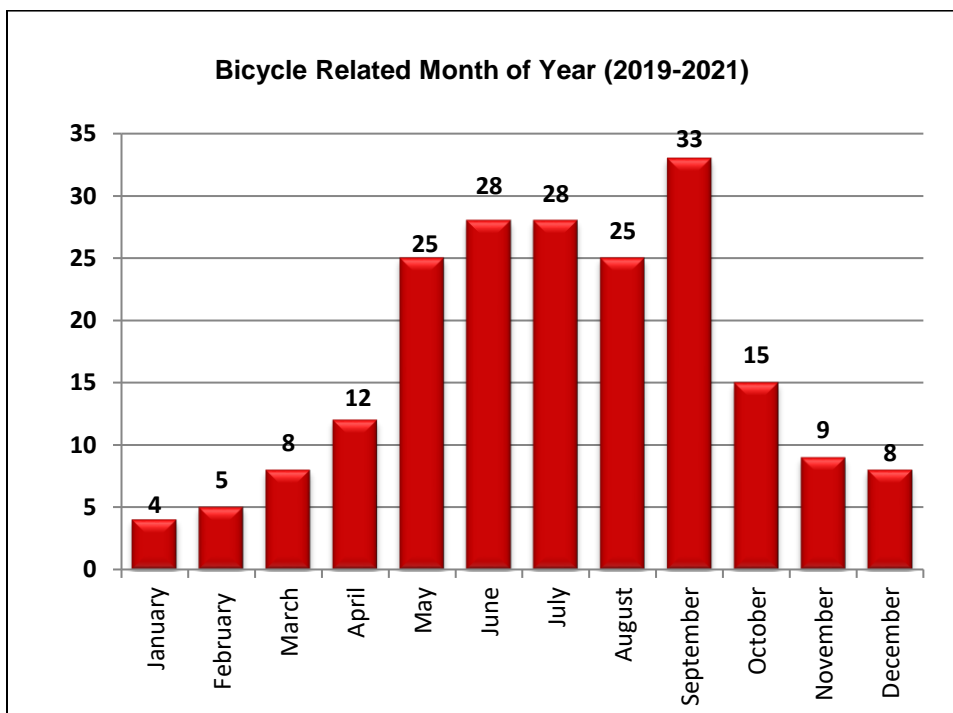
In 2021, total bicycle-related crashes increased by 9 and injuries increased by 12. There was one fatal bicycle-related crash in 2021.

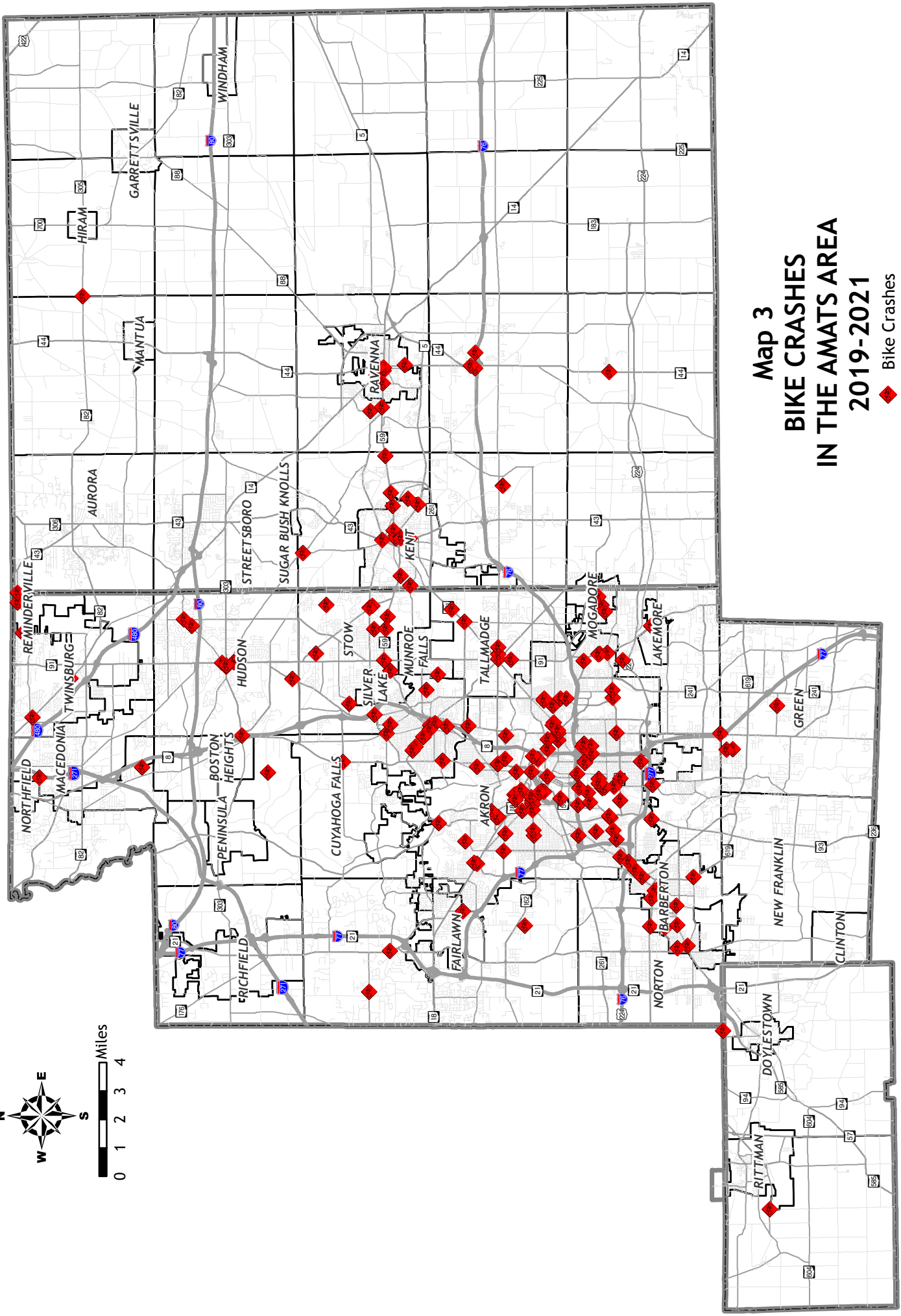
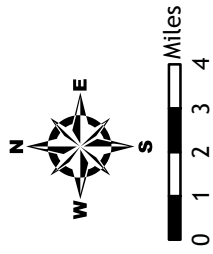


The chart below shows where most bicycle-related crashes occur. Slightly more occur at non-intersection locations than intersection. Many bicycle riders, especially younger ones, may not obey stop signs and traffic signals which leads to intersection related crashes. Often a vehicle does not see a bicycle because of their narrow profile and turns into it or pulls in front of it. Often a driver is not expecting a bicycle in the crosswalk or misjudges its approach speed. If a bicycle rider is biking against traffic a driver may not look that direction when turning into or pulling out of another street or driveway. Map 3 shows where the bicycle-related crashes occurred in the AMATS area.



This chart shows that most crashes occur in summer and early fall when bicycle riding conditions are most favorable. Unlike other crashes, those involving bicycles tend to be concentrated in the warmer months.

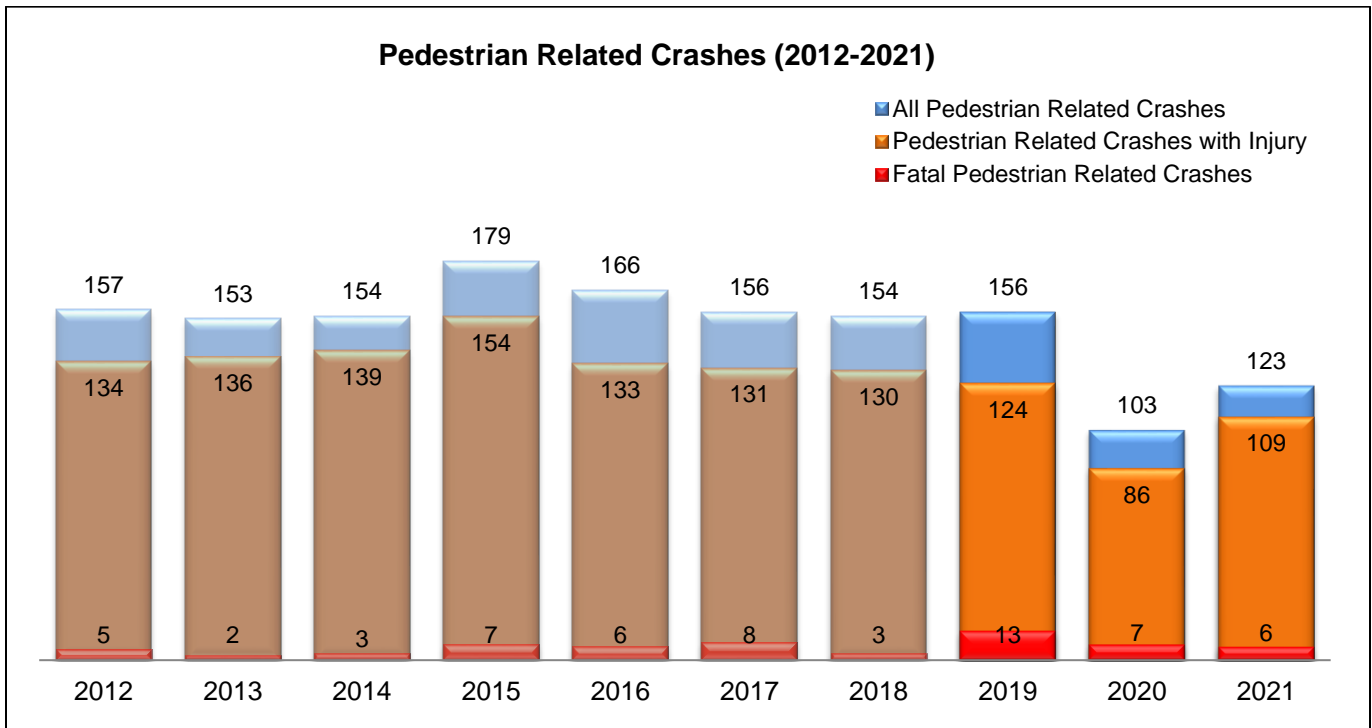




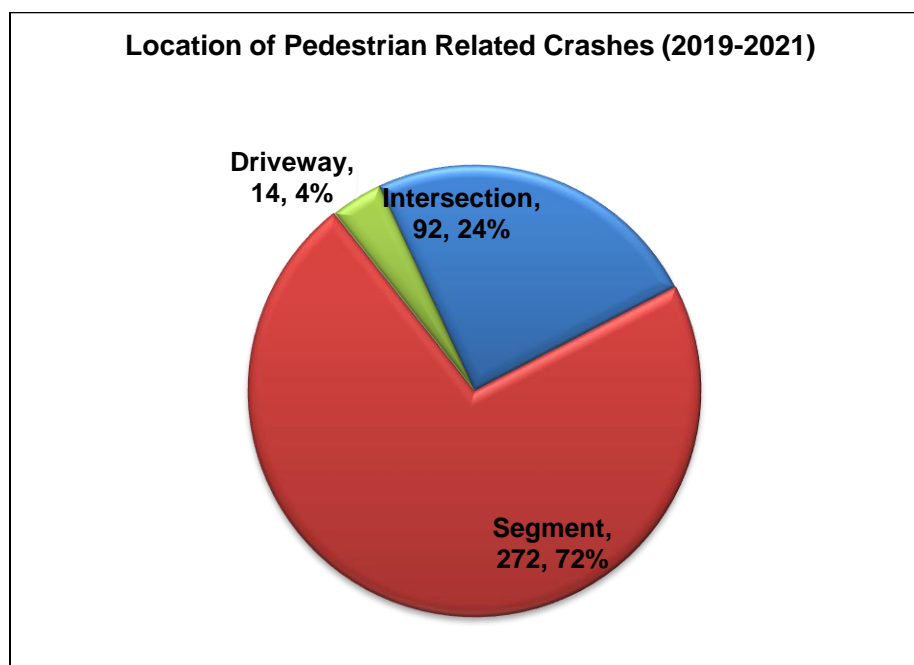
Map 3
BIKE CRASHES
IN THE AMATS AREA
2019-2021 ◆ Bike Crashes

Pedestrian-Related Crashes

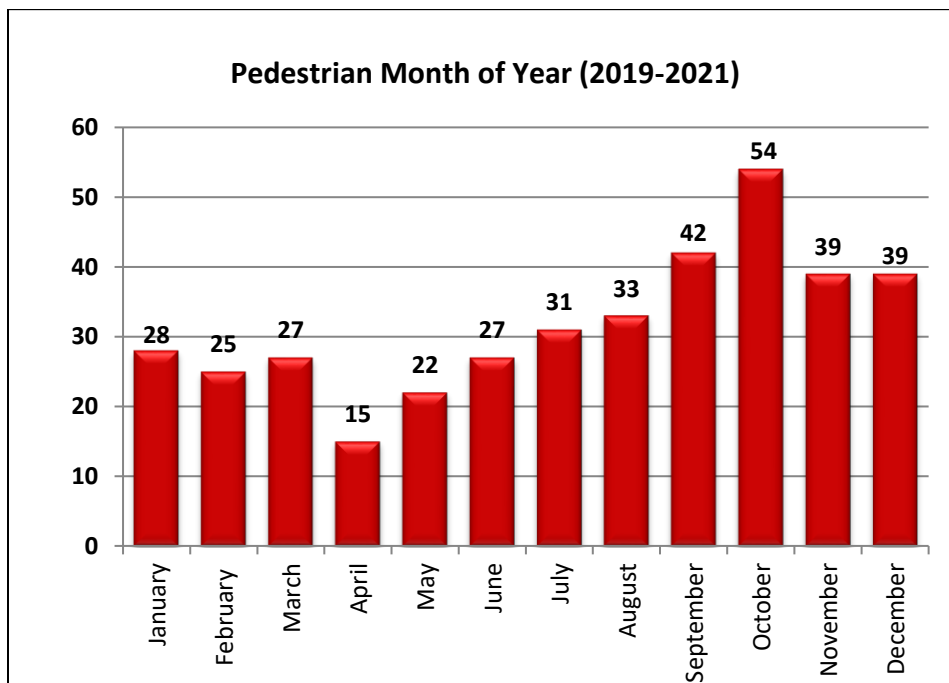
The number of pedestrian-related crashes and injuries increased from 2020 but are not back up to the 2019 levels. Between 2019 and 2021 there were 382 pedestrian-related crashes with 319 injuries and 26 fatalities. That means over 90% of pedestrian related crashes resulted in injury or fatality. The following graph shows pedestrian-related crashes in the AMATS area since 2012. Overall, pedestrian fatalities accounted for 14% of all fatalities over the three-year period.



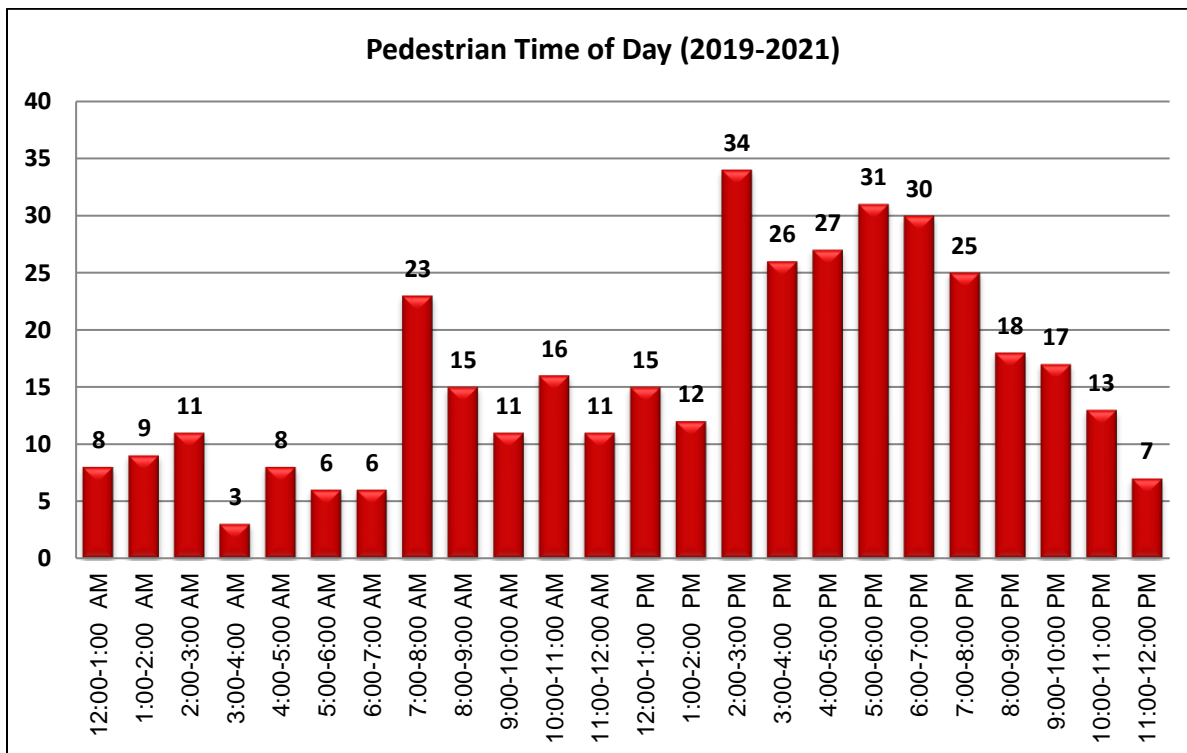
Pedestrian crashes occur more often away from intersections. Many of those that are intersection-related occur when a vehicle making a turn and does not see the pedestrian, or a pedestrian was crossing the street against the signal. Map 4 shows where pedestrian-related crashes occurred in the AMATS area.

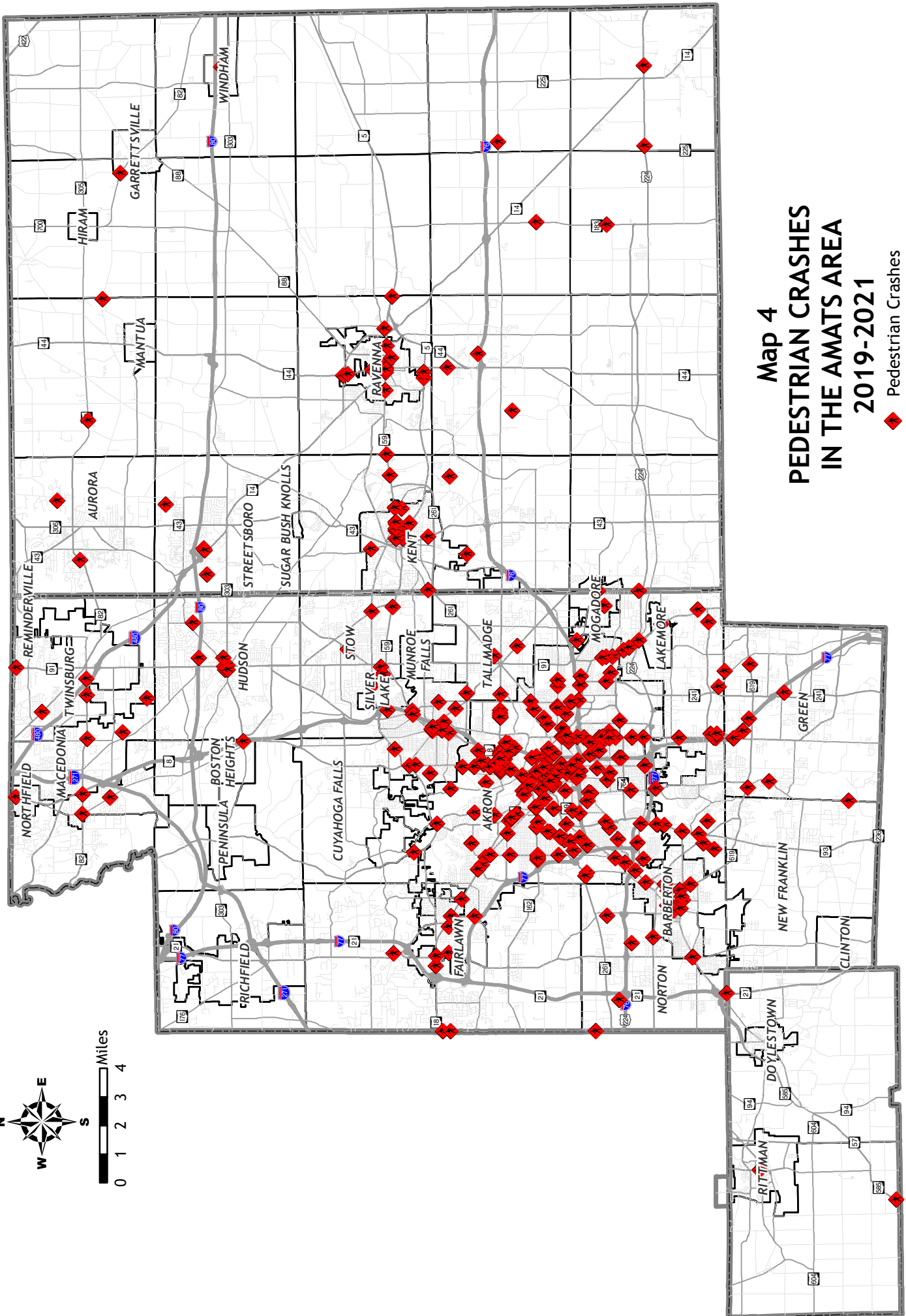
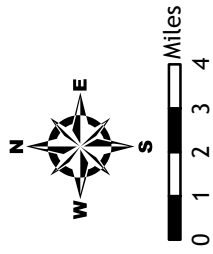


The following graph shows the month that pedestrian-related crashes occurred. October is traditionally the month with the most incidents. One might think that most of these incidents occur around Halloween; however, after examining the data closer we found that they are spread out throughout the month. One speculation about why October has the most incidents is the decreasing amount of daylight along with weather that is still reasonably nice. Pedestrians are still active but are harder to see in darkness even if streetlights are present.



There is a spike in morning pedestrian-related crashes from 7-8 a.m. It is likely that this is a time when many pedestrians are commuting to work or school, often in dark conditions. Pedestrian crashes peak again in the afternoon and evening hours as seen in the table below.





Map 4
PEDESTRIAN CRASHES
IN THE AMATS AREA
2019-2021
 ◆ Pedestrian Crashes

Section 4: Safety Performance Measures and Targets

Safety performance management is part of the overall Transportation Performance Management (TPM) program. The Federal Highway Administration (FHWA) is requiring state DOTs and agencies like AMATS to develop a strategic approach that uses system information to make investment and policy decisions to achieve national performance goals.

Recent federal legislation requires ODOT and AMATS to establish performance measures and set targets that demonstrate fatal and serious injury reductions on all public roads. The required performance measures for safety are:

- Number of fatalities
- Fatality rate
- Number of serious injuries
- Serious injury rate
- Number of non-motorized fatalities and serious injuries

AMATS is required to establish safety performance measures. There are two options available for satisfying this requirement: commit to a quantifiable target for each measure within the metropolitan area or approve of ODOT's statewide targets and agree to plan and program projects so that they contribute toward the accomplishment of those goals. AMATS is committed to support the goals set forth by ODOT for the entire state, rather than develop separate targets and goals for our area.

After reviewing historical crash trends, external factors and through consultation with the state's Metropolitan Planning Organizations (MPOs), ODOT is recommending a 2 percent annual reduction target across all five safety categories. A state is considered to have met or made significant progress if at least four of the five targets are better than the baseline.

In accordance with federal regulations, AMATS used a five-year average to calculate the initial safety targets in 2015. These averages will become the benchmark to which all future calculations will be compared. All future values will also be calculated using five years of data. This five-year rolling average is used to smooth out short term year-to-year fluctuations in data.

The table below shows the calculation of the AMATS rolling averages for the five safety performance measures. The 2015 averages are the benchmark values that the 2021 values are compared to. In three out of the five safety performance measures AMATS has far exceeded the ODOT goal of reducing each category by two percent, when compared to 2015 averages.

| | 2015 5-year Avg | 2016 5-year Avg | 2017 5-year Avg | 2018 5-year Avg | 2019 5-year Avg | 2020 5-year Avg | 2021 5-year Avg | Percent Change |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------|
| Number of Fatalities | 46 | 46 | 49 | 48 | 48 | 52 | 56 | 21% |
| Fatalities Per 100 Million VMT | 0.60 | 0.61 | 0.64 | 0.63 | 0.64 | 0.74 | 0.79 | 31% |
| Number of Serious Injuries | 590 | 574 | 529 | 470 | 431 | 395 | 367 | -61% |
| Serious Injuries Per 100 MVMT | 7.79 | 7.58 | 6.94 | 6.20 | 5.73 | 5.47 | 5.15 | -51% |
| Number of Non-motorized Fatalities and Serious Injuries | 57.4 | 54.4 | 51.4 | 50.8 | 48.8 | 45.2 | 45.0 | -22% |