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NOTICE OF MEETING

TECHNICAL COMMITTEE

DATE: March 3, 2021

TIME: 9:30 am

PLACE: [VIRTUAL Public Meeting via Zoom](#) Meeting ID: 943 6154 0950 - Passcode: 886324

AGENDA:

1. Call to Order/Introductions
2. Approval of the Agenda
3. Approval of Minutes – January 6, 2021 Meeting Minutes (attached) – Action
4. Public Participation
5. Communications and Announcements
6. Old Business
7. New Business
 - A. 2nd Call FY 2021 TIP Amendments - Action
 - B. 2nd Call FY 2021 TIP Modifications - Information
 - C. 2019 Traffic Crash Report - Information

POLICY COMMITTEE MEMBERS

City of Ann Arbor • Ann Arbor DDA • Ann Arbor Township • City of Chelsea • City of Dexter
Dexter Township • Eastern Michigan University • Michigan Department of Transportation • City of Milan • Northfield Township •
Pittsfield Township • City of Saline • Scio Township • Southwest Washtenaw Council of Governments • Superior Township • The Ride
University of Michigan • Washtenaw County Board of Commissioners • Washtenaw County Road Commission • City of Ypsilanti • Ypsilanti Township •
• Ex Officio: Federal Highway Administration • Southeast Michigan Council of Governments •

An Intermunicipality Committee organized under Act 200 of Public Acts of Michigan (1957)
representing Washtenaw County

8. Agency Reports

Ann Arbor DDA
City of Ypsilanti
Ypsilanti Township
City of Ann Arbor
City of Saline
Dexter Township
WCRC
Non-motorized

Pittsfield Township
The Ride
MDOT Planning
MDOT Region/TSC
City of Dexter
U of M
Environmental
People with Disabilities

City of Milan
Washtenaw County
City of Chelsea
SEMCOG
EMU
FHWA
Equity
Senior

9. Adjournment

The Washtenaw Area Transportation Study (WATS) financed the preparation of this document through grants from the U.S. Department of Transportation in cooperation with the Michigan Department of Transportation and contributions from local government, public transit, and educational unit members of the Washtenaw Area Transportation Study. The views and opinions expressed herein do not necessarily state or reflect those of the U. S. Department of Transportation.

MEETING MINUTES

TECHNICAL COMMITTEE

DATE: January 6, 2020

TIME: 9:30 am

PLACE: This meeting was held virtually via Zoom in accordance with executive orders during the COVID-19 pandemic.

Members Present: Eastern Michigan University – Dieter Otto, Chair
Washtenaw County – Nathan Voght, Vice-Chair
City of Ypsilanti - Bonnie Wessler, Second Vice-Chair
MDOT Statewide Planning - Richard Bayus
City of Chelsea - John Hanifan
Disability Representative - John Waterman
Washtenaw County Road Commission - Matt MacDonell
City of Saline – Jeff Fordice
City of Ann Arbor - Eli Cooper (for Raymond Hess)
Equity Representative - Weneshia Brand
MDOT University Region - Mike Davis
City of Milan - Stanley Kirton
TheRide – John Metzinger
Non-motorized Representative - Sarah Walsh
Northfield Township - Ken Dignan
Pittsfield Township - Craig Lyon

Members Absent: Ann Arbor DDA – Amber Miller
Dexter Township - Vacant
University of Michigan – Steve Dolen
Ypsilanti Township - Jason Iacoangeli
Senior Representative - Ruth Ann Jamnick
City of Dexter – Dan Schlaff
Environmental Representative - Evan Pratt

Others Present: WATS – Ryan Buck, Nick SaSapkiewicz, Suzann Flowers, Emily Lake

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SEMCOG - Christina Ignasiak
Washtenaw County Road Commission - Michele Ford, Brent Schlack
MDOT - Max Gierman
OHM Advisors - Travis Pietila
Fleis & VandenBrink - Daniel Cabage

1. Call to Order/Introductions

Chair Otto called the meeting to order at 9:33 am and led the group in introductions.

2. Approval of the Agenda

Ms. Walsh made a motion to approve the meeting agenda, Ms. Wessler supported the motion, motion approved.

3. Approval of Minutes

Mr. Cooper made a motion to approve the October 7, 2020 minutes, Ms. Wessler supported the motion, motion approved.

4. Public Participation

There were no public comments.

5. Communications and Announcements

Mr. Buck provided the following updates:

- WATS staff continue to work remotely. The offices at 200 N. Main are open by appointments only.
- All FY 2020 projects successfully obligated funding. Thank you to those at SEMCOG, FHWA, and WATS staff who helped coordinate the obligation of projects.
- The dues letters for FY 2021 have been sent out. A 33 percent reduction has been included in all local member dues to help alleviate some of the financial burdens from the COVID-19 pandemic.
- The WCWB Coalition put together a task force to discuss cycling conditions and safety along the Packard St. corridor that spans several jurisdictions.
- WATS staff continue to work with the City of Chelsea on pop-up demonstration projects and have started discussions similar projects with the City of Ypsilanti.
- WATS has received TheRide's transit safety plan, as federally mandated.

6. Old Business

No old business.

7. New Business

A. 2021 State of Good Repair for Rural Transit Targets - Action

Ms. Flowers explained that as part of the federally required performance measures, WATS Committee's, in partnership with SEMCOG, are required to take action on statewide Rural Transit Targets. MDOT has provided these statewide targets for 5310 and 5311 funding sources based on the average statewide useful life benchmark (ULB). These targets would be applied to the rural transit providers in Washtenaw County, including the Western

Washtenaw Area Value Express (WAVE) and the People's Express (PEX) bus services.

Mr. Metzinger made a motion to approve the 2021 State of Good Repair targets for rural transit providers as presented, supported by Ms. Wessler, motion approved.

Discussion ensued regarding how the goals provided would or would not impact funding to rural providers in Washtenaw County. The consensus was that these targets would not impact funding as performance measures are not currently tied to federal funding allocations. Ms. Ignasiak noted that SEMCOG has a working group for transit performance measures with representatives from providers across the region to discuss these topics.

B. Bridge Performance Measures - Action

Ms. Flowers explained that as part of the federally required performance measures, WATS Committee's, in partnership with SEMCOG, are required to take action on statewide bridge performance measures. The information provided is based on a statewide midway performance measures evaluation for bridges on the National Highway System, and does not include local roads. The bridge targets, including on/off ramps, structure substructure, deck, and culverts, and a performance measures methodology were provided from MDOT. In addition to the statewide targets, WATS tracks and monitors local bridges across the county as part of the 2045 Long Range Plan.

Mr. Kirton made a motion to approve the bridge performance measures as presented, supported by Mr. Voght, motion approved.

C. Urban-Federal Aid Program Updates - Action

Ms. Flowers explained that the Federal Aid Committee has put forth a recommendation to address target reductions, funding allocations, and programming of FY 2020 HIPU funds. The program as presented and recommended by the Federal Aid Committee would allow the Committees to:

- backfill projects with HIPU funds that would otherwise see funding reductions.
- meet all of the requests put forward from the City of Ypsilanti and MDOT regarding regionally significant projects, as directed by the WATS Policy Committee, and made possible through the additional allocation of funds from TheRide.
- allocate the remaining HIPU funding to projects in the City of Saline and the City of Ann Arbor.

Ms. Wessler made a motion to approve the bridge performance measures as presented, supported by Mr. Davis, motion approved.

D. Chelsea POP-Tactical Urbanism - Presentation

Ms. Lake presented the following information:

- The Chelsea POP tactical urbanism project in the City of Chelsea is complete with strong support indicated on the post-project surveys.

- WATS provided project coordination and planning assistance for the Chelsea POP project, and has now added a task to the UPWP to provide these services to member communities.
- Members are encouraged to reach out to WATS staff should they be interested in deploying a tactical urbanism project.

8. Agency Reports

A. City of Ypsilanti

Ms. Wessler reported:

- The Huron River Dr. project is in the design phase.
- The City is working with MDOT on the Cross St project and the Huron/I-94 project.

B. City of Ann Arbor

Mr. Cooper reported:

- The City's Vision Zero transportation plan update was recently submitted to the planning commission and city council, who have authorized it for public release, at which point the 60 day public comment period will begin. Mr. Cooper encourages everyone to comment on the plan update.

C. City of Saline

Mr. Fordice reported:

- There was nearly a 1 point improvement in PASER condition as a result of the City addressing a number of street projects in the past year.

D. Washtenaw County Road Commission (WCRC)

Mr. MacDonell reported:

- The WCRC is working to obligate projects for FY 2021 and look forward to a large construction year.
- Thanked WATS, Ms. Flowers, and SEMCOG for their assistance with obligating projects in JobNet.

Discussion regarding the next TIP adoption and any changes to scoring applications. Mr. Buck noted that the state has provided WATS with a preliminary schedule for the 2023-2026 TIP development. As scoring applications are reviewed during that process, WATS staff will work with Committee members and look for direction from Policy to determine the appropriate metrics.

E. Non-Motorized Representative

Ms. Walsh reported:

- Friendly reminder to keep pathways clear of snow and ice for non-motorized users.

F. Northfield Township

Mr. Dignan reported:

- Northfield Twp is planning for a non motorized pathway to connect to the lakeland trail, which could eventually connect to Ann Arbor Township and then to the City of Ann Arbor.

G. Pittsfield Township

Mr. Lyon reported:

- Efforts are underway for the U-12/US-23 project
- The midblock crossing on Packard St at Hawks was recently completed.
- The township worked with the WCRC over the summer to complete their local road paving program with over \$3 million of projects.
- The Platt Rd Phase II project is underway and includes an extension to the non motorized path south of Michigan Ave.

H. TheRide

Mr. Metzinger reported:

- TheRide's fiscal year ended September 30, 2020 and the annual ridership report is now available.
- Ridership numbers were impacted by the COVID pandemic in a significant way. In 2020 ridership numbers were down three million trips from prior years (decline of about 43%).
- TheRide anticipates ridership numbers will return to pre pandemic levels after the pandemic and TheRide will be restoring service to 100% service level by August 2021. Public input period will be forthcoming where the public can provide input on route selections before August 2021.

I. MDOT Statewide Planning

Mr. Bayus reported:

- MDOT staff continue to work from home
- Reminder that the due date for changes to SEMCOG's Spring TIP amendment is coming up on January 29, 2021.
- MDOT is in the public comment period for the US-23 project.
- MDOT will continue to work with WATS staff as changes are made in JobNet.

J. MDOT University Region

Mr. Davis reported:

- Thank you to WCRC and Pittsfield Twp for the Packard St midblock crossing at Hawks.
- Ongoing stakeholder meetings for non-motorized flex routes in Livingston County.
- MDOT has been working with the City of Ypsilanti on the Huron/Hamilton road diet and the non motorized pathway over Huron/I-94 projects.

K. People with Disabilities Representative

Mr. Waterman reported:

- Noted the importance of snow and ice clearing during the winter. Corner curb ramps are particularly hazardous.

L. Washtenaw County

Mr. Voght reported:

- Efforts to develop a local manual for standardizing midblock crossing elements, including lighting, signage, geometry, and markings are underway.

M. City of Chelsea

Mr. Hanifan reported:

- Thank you to WATS for their work on Chelsea POP. The project was very well received.
- This year the City constructed cross islands along Wilkinson St, which has successfully calmed traffic.
- A public meeting with Washtenaw County Parks and Huron Waterloo Pathways Initiative is upcoming. The discussion will focus on connecting the Border to border trail north of Chelsea to Sibley Rd.

N. SEMCOG

Ms. Ignasiak reported:

- A reminder that the TIP Spring Amendment deadline for changes is at the end of January.
- SEMCOG will be hosting the TCC and Executive Committee meetings next week, and action items include performance measures for safety, CMAQ, and bridge.

9. Adjournment

Mr. Otto adjourned the meeting at 10:51am.

MEMORANDUM

To: Technical Committee
From: Suzann Flowers
Date: February 22, 2021
Re: 2nd Call for FY 2021 TIP Amendments for 2020-2023 TIP

Background

WATS initiated the 2nd call for FY 2021 TIP amendments on December 14, 2020. Notice was placed on the WATS homepage, WATS social media pages (Facebook and Twitter). Amendments were received from Ann Arbor, MDOT and Washtenaw County Road Commission.

Significant changes in this TIP amendment include:

- **Ann Arbor**
 - FY 2022 Changes
 - Earhart Rd. reduced to original federal programming amount of \$570,000
 - Platt Rd. reduced to original federal programming amount of \$650,000
 - Add Huron Parkway/Glazier Way CPM from the funds reduced from Platt and Earhart in amount of \$450,000
 - Updated Newport and Sunset sidewalk project to be an AC and also a standalone project
 - FY 2023 Changes
 - S. State St. limits corrected and added water main work to project
 - Adding ACC in amount of \$300,000 for Newport and Sunset sidewalk project
- **MDOT**
 - FY 2023 Changes
 - Adding PE phase to JN 211797 traffic safety project region wide for install delineation, pavement markings and signs for wrong way treatment in amount of \$50,000

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- **Washtenaw County Road Commission**
 - FY 2022 Changes
 - Adding Pleasant Lake Rd. and Dexter Pickney Rd. safety grant awards
 - Delete JN 205629 Countywide CPM in amount of \$185,000
 - Add funds from JN 205629 to Carpenter Rd. project, add additional segment with joint repair work, increase local match and total job cost

New investments total to 2020-2023 TIP=\$2,135,289

Environmental Justice Review

The Environmental Justice (EJ) review evaluates the fair distribution of environmental benefits and burdens in EJ and non-EJ areas. In addition, the EJ review evaluates each project for adverse social, economic, and environmental effects. More information on the USDOT EJ strategy is available [here](#).

Total Investment in the TIP

Over the course of the TIP, investment made in Washtenaw County is affected by amendments and modifications (grant awards, cost changes, new projects). These changes continually affect the value of the TIP, and the amount of investment in EJ areas. The 2020-2023 TIP is currently valued at: \$557,845,716.

To quantify investment within EJ areas, WATS analyzes Census block groups by their combined percentages of minority and low-income residents to identify areas that fall within the 80th and 90th percentile. TIP projects located within these EJ areas, or within 0.5 mile of these areas, are measured in a GIS overlay analysis by the total cost of projects. For projects with a portion of investment in these areas, the segment cost was calculated as follows:

$$(Segment\ Length / Total\ Project\ Length) * Total\ Project\ Cost$$

Transit Investment

Transit projects are considered to be an additional benefit to EJ areas by improving access and mobility. Transit investments are included in the EJ analysis, but are not mapped.

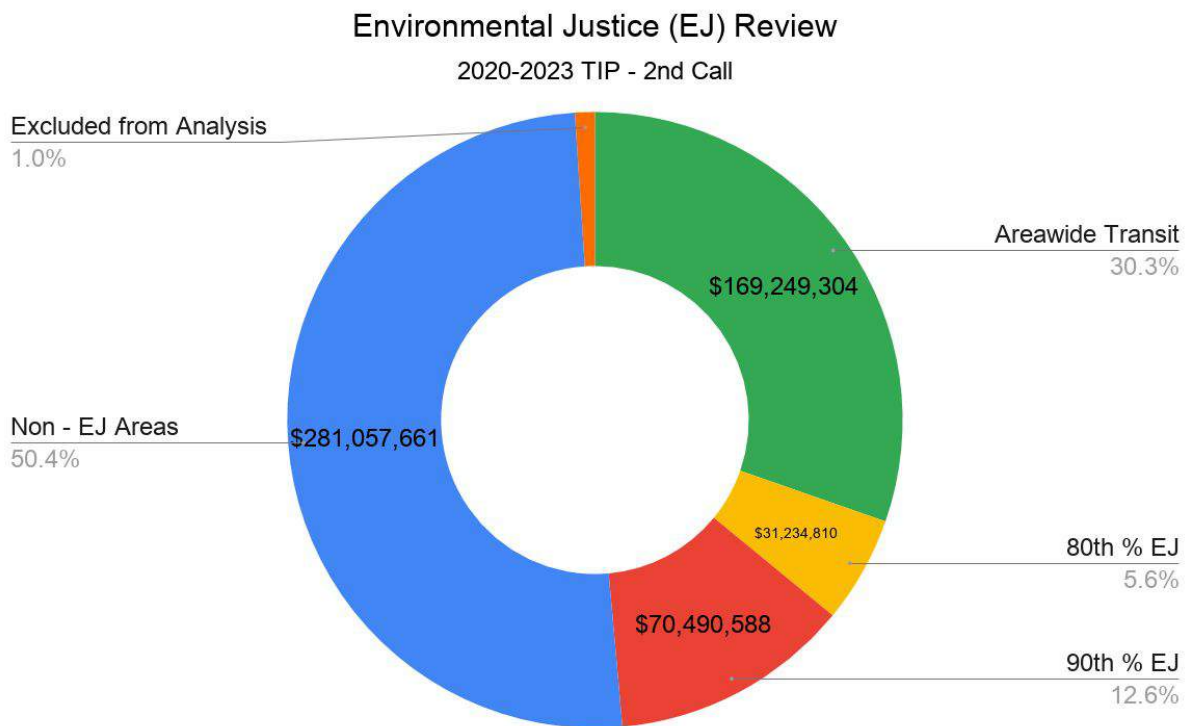
**Environmental Justice Review
2020-2023 TIP**

	Total Investment	Percent of TIP
80th Percentile EJ Areas	\$31,234,81	5.6%
90th Percentile EJ Areas	\$70,490,588	12.6%
Non-EJ Areas	\$281,057,66	30.3%

Areawide Transit Projects	\$169,249,30	50.4%
*Excluded from Analysis	\$5,813,353	1.0%
TIP Value	\$557,845,71	100%

*Excluded from Analysis

Projects excluded from this analysis include those that are non location specific, such as areawide signal optimizations, and therefore cannot be quantified within a GIS overlay analysis.



WATS does not anticipate the TIP amendments will have a disproportionately negative impact on EJ areas.

A map of 2020-2023 TIP projects in environmental justice areas is available at <http://www.miwats.org/tip>.

Opportunity Evaluation

WATS’ opportunity evaluation uses GIS overlay analysis to measure TIP investment within areas of low mobility. To identify areas of low mobility, WATS uses Census tracts with a score of low or very low on the [county’s Opportunity Index](#).

For projects with a portion of investment in these areas, the segment cost was calculated as follows:

$$(Segment\ Length / Total\ Project\ Length) * Total\ Project\ Cost$$

Transit Investment

Transit projects are considered to be an additional benefit to low opportunity areas by improving access and mobility. Transit investments are included in the opportunity evaluation analysis, but are not mapped.

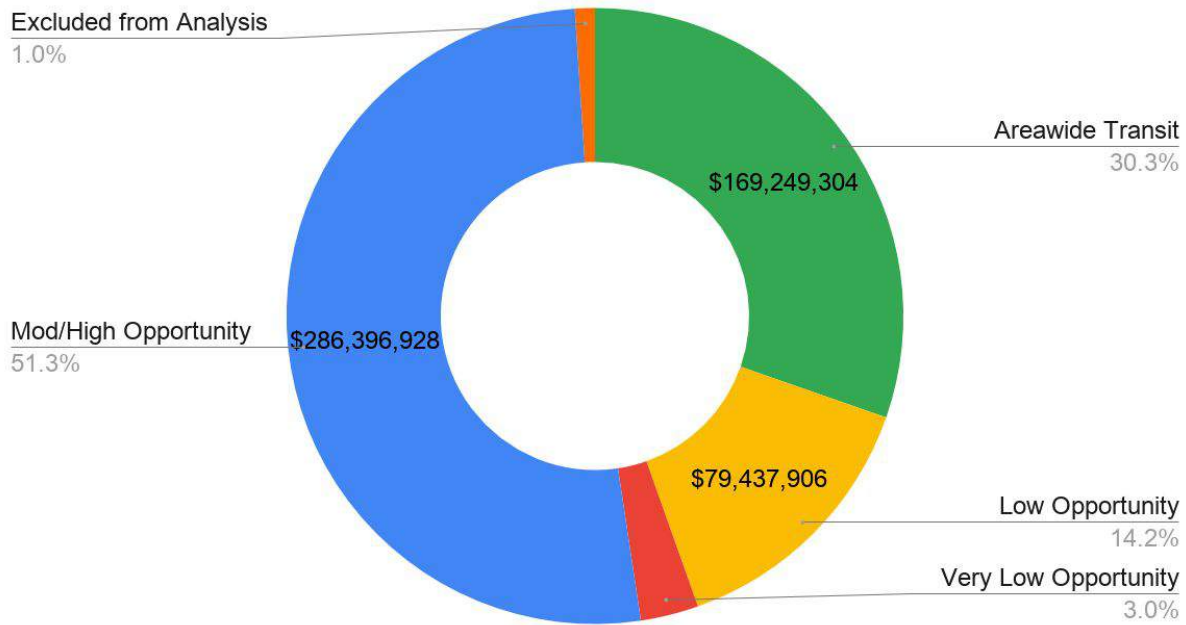
**Opportunity Evaluation
2020-2023 TIP**

	Total Investment	Percent of TIP
Low Opportunity Areas	\$79,437,906	14.2%
Very Low Opportunity Areas	\$16,948,22	3.0%
Moderate / High Opportunity Areas	\$286,396,928	51.3%
Areawide Transit Projects	\$169,249,304	30.3%
*Excluded from Analysis	\$5,813,35	1.0%
TIP Value	\$557,845,71	100%

***Excluded from Analysis**

Projects excluded from this analysis include those that are non location specific, such as areawide signal optimizations, and therefore cannot be quantified within a GIS overlay analysis.

Opportunity Evaluation
2020-2023 TIP - 2nd Call

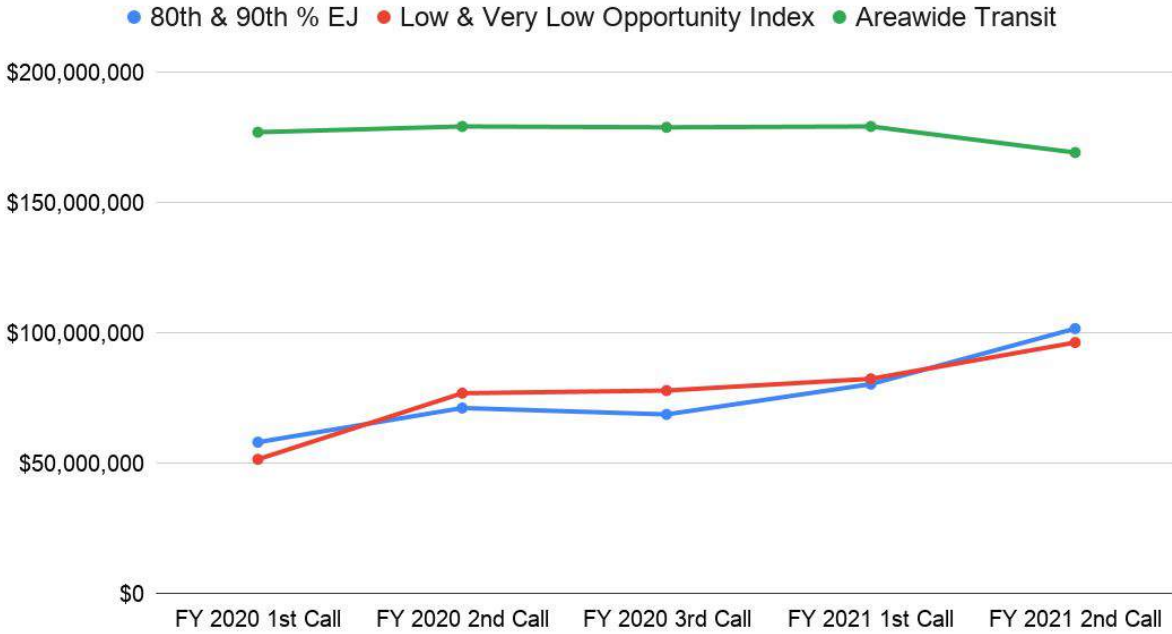


The opportunity evaluation is provided as information during each TIP amendment.

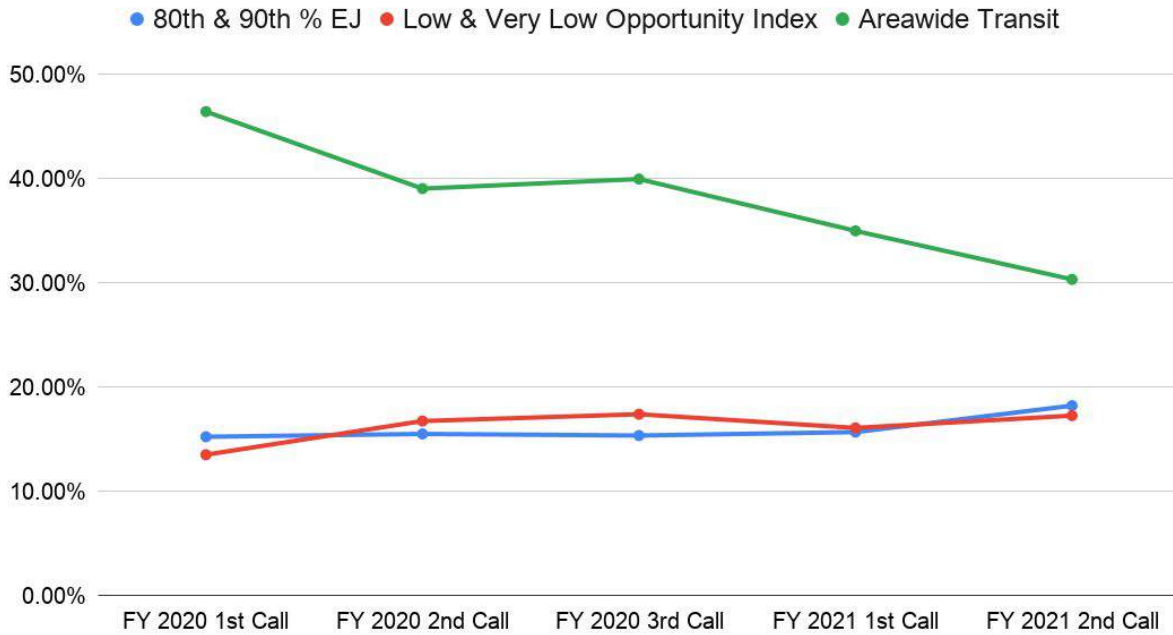
Tracking TIP Investment in Equity Areas

By monitoring investment in EJ and low opportunity areas, WATS Committees can evaluate if enough investment is being made to balance environmental benefits and burdens and to disrupt the effects of historic injustice. Throughout the course of 2020-2023 TIP amendments and modifications, investment in equity areas has approximately doubled, from \$58M to \$101M for EJ areas and from \$51M to \$96M for low opportunity areas. The percent of the total TIP value for these areas has also increased from 15% to 18% for EJ areas and from 13% to 17% for low opportunity areas. Investment in transit projects has remained relatively flat as the TIP has increased in value.

Investment in Equity Focus Areas



Investment in Equity Focus Areas as % of Total TIP



Action

Staff request the Technical Committee review the TIP amendments and make a recommendation to the Policy Committee.

2nd Call FY 2021 TIP Amendments February 2021

WATS 2020-2023 TIP Modifications www.miwats.org/tip/

Comments	Fiscal Year	Job Type	Job#	Project Name	Responsible Agency	Limits	Length	Primary Work Type	Project Description	AC/ACC	ACC Year (s)	Phase	Fed Estimated Amount	State Estimated Amount	Local Estimated Amount	Total Estimated Amount	Fund Source	Total Job Cost
Add funds from 205629; Add additional segment with joint repair for Carpenter from Textile to US-12; increase local match and total job cost	2022	Local	205638	Carpenter Rd	Washtenaw County	Carpenter from N. Cloverlane to Ellsworth; Carpenter from Textile to US-12	0.951	Road Rehabilitation	Rehabilitate roadway			CON	\$372,000	\$0	\$98,604	\$470,604	NH	\$776,139.00
Add funds from 205629; Add additional segment with joint repair for Carpenter from Textile to US-12; increase local match and total job cost	2022	Local	205638	Carpenter Rd	Washtenaw County	Carpenter from N. Cloverlane to Ellsworth; Carpenter from Textile to US-12	0.951	Road Rehabilitation	Rehabilitate roadway			CON	\$236,246	\$0	\$69,289	\$305,535	STU	\$776,139.00
Adding to TIP	2022	Local	212359	Huron Parkway & Glazier Way CPM	Ann Arbor	Geddes Ave to Plymouth & Green to Earhart	2.4	Road Rehabilitation	Restore and Rehabilitate			CON	\$450,000	\$0	\$331,000	\$781,000	STU	\$781,000.00
Adding to TIP	2022	Local	211835	Pleasant Lake Rd	Washtenaw County	Pleasant Lake Rd from Schroeder Rd to Parker Rd (n. jct), Washtenaw County	2.593	Traffic Safety	High Friction Surface Treatment, overhead flashing beacons, signing			CON	\$189,509	\$0	\$65,501	\$655,010	HR88	\$655,010.00
Adding to TIP	2022	Local	211926	Dexter Pinckney Rd	Washtenaw County	Dexter Pinckney Rd from Island Lk Rd to the north County Line, Washtenaw Co	6.683	Traffic Safety	Centerline rumble, signing upgrades, signal modernization			CON	\$597,501	\$0	\$66,389	\$663,890	HSIP	\$730,279.00
Move funds to 205638 Carpenter Rd	2022	Local	205629	N Zeeb Rd	Washtenaw County	Countywide	0	Road Rehabilitation	Rehabilitate roadway			CON	\$173,438	\$0	\$57,812	\$231,250	STU	\$231,250.00
Readjusted cost to original amount	2022	Local	205615	Earhart Rd	Ann Arbor	Earhart Geddes to Greenhill	0.817	Road Rehabilitation	Street Resurfacing			CON	\$570,000	\$0	\$570,000	\$1,140,000	STU	\$1,304,410.00
Readjusted cost to original amount	2022	Local	205614	Platt Rd	Ann Arbor	Platt from Huron Parkway to Packard	0.515	Road Rehabilitation	Rehabilitate roadway			CON	\$650,000	\$0	\$2,500,000	\$3,150,000	STU	\$3,424,410.00
Updated project name, limits, & length	2022	Local	205612	Newport & Sunset Sidewalk Gaps	Ann Arbor	Newport (Sunset to Downup Cir.) & Sunset (Newport to Brooks)	0.655	Traffic Safety	Sidewalk Gaps	AC	2023	CON	\$300,000	\$0	\$300,000	\$600,000	STU	\$600,000.00
Updated project name, limits, & length; this will be an extension of job#205612 to Advance Construct (so should it have the same job#?)	2023	Local	205612	Newport & Sunset Sidewalk Gaps	Ann Arbor	Newport (Sunset to Downup Cir.) & Sunset (Newport to Brooks)	0.655	Traffic Safety	Sidewalk Gaps	ACC		CON	\$300,000	\$0	\$300,000	\$600,000	STU	\$600,000.00
Corrected limits and added \$00,000 to total project cost for watermain work	2023	Local	210417	S State St	Ann Arbor	S. University to Granger	0.745	Road Rehabilitation	Road Rehabilitation			CON	\$621,000	\$0	\$137,708	\$758,708	STU	\$758,708.00

Michigan Department of Transportation Amendments

Fiscal Year	Job no.	MDOF Approved Date	Administration Type	Phase	County	Responsible Agency	Project Name	Limits	Length	Primary work Type	Project Description	Advance Construct	Federal Budget	Federal Fund Source	State Budget	Local Budget	Total Phase Cost	Amendment Type	Total Job Cost
2023	211797	11/16/2020	PHWA	PE	Jackson,Livingston,Clinton	MDOF	regionwide	countywide in Monroe, Livingston, and Washtenaw Counties, inclusive of MDOF's university region	0	Traffic Safety	Initial delineation, pavement markings and signs for wrong way	No	\$22,050	HSP	\$2,450	\$0	\$50,000	PHASADD	\$750,000.00

Michigan Department of Transportation Administrative Modifications

JOB TYPE	JOB ID	STIP FISCAL YEAR	ROUTE NAME	LOCATION (REPORT)	LENGTH	MAJOR WORK TYPE	WORK (REPORT)	PHASE	ESTIMATED FEDERAL FUND AMOUNT	ESTIMATED STATE FUND AMOUNT	ESTIMATED LOCAL FUND AMOUNT	ESTIMATED TOTAL FUND AMOUNT	Change Request Reason
Trunkline	205833	2020	M-17	M-17 sidewalk gaps in Ann Arbor, Ypsilanti Twp & Ypsilanti	0.175	Pedestrian Improvements	Construct sidewalk	PE	\$67,500	\$6,562	\$938	\$75,000	Need additional time to complete the design and coordinate with local agencies
Trunkline	209612	2020	US-128R	Huron St Over I-94	0.779	Bike/Pedestrian Facility	Non-motorized path	PE	\$245,550	\$0	\$54,450	\$300,000	System generated CR
Trunkline	211637	2021	I-94	Grove Street over I-94	0.000	Miscellaneous Bridge	Add pedestrian fencing	CON	\$397,207	\$43,730	\$0	\$240,937	Update PM and employee assignment
Trunkline	205833	2021	M-17	M-17 sidewalk gaps in Ann Arbor, Ypsilanti Twp & Ypsilanti	0.175	Pedestrian Improvements	Construct sidewalk	CON	\$142,275	\$15,777	\$2,254	\$160,306	Need additional time to complete the design and coordinate with local agencies
Trunkline	113542	2021	M-17	Normal to M14, I-94 to M14, Hamilton to Etoise	1.736	Milling and Two Course Asphalt Resurfacing	M/E & resurface. Concrete patches. Road diet w/ buffered bike lanes	ROW	\$61,388	\$13,633	\$0	\$75,000	Add road diet to the project
Trunkline	202741	2021	Regionwide	Various Locations in Monroe and Washtenaw Counties	0.000	Traffic Signals	Modernize signal to current standards	CON	\$2,530,000	\$0	\$0	\$2,530,000	Change request to increase CON costs to reflect engineer's estimate at design milestones and increase ROW phase. Common names added and Major Route updated.
Trunkline	208687	2021	TSC Wide	Brighden TSC Wide (Livingston, Washtenaw, Monroe counties)	0.000	Asphalt Crack Treatment	Crack treatment	CON	\$225,088	\$49,933	\$0	\$275,000	Delay let date to allow time to complete the design.
Trunkline	202369	2021	US-128R	I-94, US-28R, US-128R, US-12	35.323	Non-Freeway Sign Replacement	Non-Freeway Signing Replacement	CON	\$632,000	\$0	\$0	\$632,000	Changed PM
Trunkline	208673	2021	US-23 N	State Line to St. Center Rd	10.200	Full Depth Concrete Pavement Repair	Concrete Pavement repair	CON	\$517,292	\$14,708	\$0	\$532,000	Need additional time to complete the design
Trunkline	202036	2022	I-94 E	10 bridges in western Washtenaw County	0.000	Overlay - Epoxy	Epoxy Overlays	CON	\$3,641,301	\$404,599	\$0	\$4,045,989	Structure 1054K, 050 US-12 over I-94 and Structures 20927 and 20208, I-94 EB and WB over Add Creek are included in PR 210043, which will be let in February 2022. These bridges are being removed from this project, because the proposed work will be constructed in 2022.
Trunkline	113542	2022	M-17	Normal to M14, I-94 to M14, Hamilton to Etoise	1.736	Milling and Two Course Asphalt Resurfacing	M/E & resurface. Concrete patches. Road diet w/ buffered bike lanes	CON	\$5,000,320	\$1,218,680	\$0	\$6,220,000	Add road diet to the project
Trunkline	209612	2022	US-128R	Huron St Over I-94	0.779	Bike/Pedestrian Facility	Non-motorized path	CON	\$2,315,614	\$23,942	\$660,000	\$3,000,556	System generated CR
Trunkline	208856	2022	US-23	Willow Road over US-23	0.000	Substructure Repair	Header repair, Substructure Repairs	CON	\$175,114	\$38,830	\$0	\$213,944	Increased PIS budget per consultant priced proposal.
Trunkline	211017	2022	US-23 N	US-23, Monroe, Washtenaw & Livingston Co	83.068	Freeway Sign Replacement	Freeway Signing Upgrade	PE	\$1,000,000	\$0	\$0	\$1,000,000	System generated CR
Trunkline	211017	2022	US-23 N	US-23, Monroe, Washtenaw & Livingston Co	83.068	Freeway Sign Replacement	Freeway Signing Upgrade	PE	\$1,000,000	\$0	\$0	\$1,000,000	System generated CR
Trunkline	211427	2023	US-128R	US-12 Business Road / M-17 over the Huron River	0.000	Asphalt overlay	HMA overlay, sidewalk and curb patching, patching of curb curbs	CON	\$247,240	\$54,825	\$0	\$302,065	Update PM and employee assignment.

MEMORANDUM

To: Technical Committee
From: Suzann Flowers
Date: February 22, 2021
Re: 2nd Call for FY 2021 TIP Modifications for the 2020-2023 TIP

Background

WATS completes administrative modifications as needed for the Transportation Improvement Program (TIP) and provides them to the Committees and the public for their information.

Administrative modifications are minor changes staff make to the TIP as well as MDOT. WATS may modify items such as small cost changes, limits or a year change without Committee approval. WATS and SEMCOG use administrative modifications to expedite the processing of small changes without delaying a project.

Attached is the 2nd call for FY 2021 TIP administrative modifications along with a list for MDOT's administrative modifications for informational purposes. The comments field in the spreadsheets outlines the changes that were made to each project.

Action

Review the attached modifications and send any questions to Suzann Flowers at flowerss@miwats.org.

POLICY COMMITTEE MEMBERS

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An Intermunicipality Committee organized under Act 200 of Public Acts of Michigan (1957)
representing Washtenaw County

2nd Call FY 2021 TIP Modifications February 2021

WATS 2020-2023 TIP Modifications www.miwats.org/tip/

Comments	Fiscal Year	Job Type	Job#	Project Name	Responsible Agency	Limits	Length	Primary Work Type	Project Description	ACC /A Year CC	Phase	Fed Estimated Amount	State Estimated Amount	Local Estimated Amount	Total Estimated Amount	Fund Source	Total Job Cost
Decreased Budget to shift to Sec. 5339 Facilities	2021	Multi-Modal	205878	Transit Capital	Ann Arbor Area Transportation Authority	Areawide	0	SP1206-Bus terminal facility improvements	Transit Capital 5307 Buses, Equip, Facilities, etc		NI	\$1,813,575	\$453,394	\$0	\$2,266,969	5307	\$3,193,969.00
Increased total budget by \$3,000	2021	Multi-Modal	205878	Transit Capital	Ann Arbor Area Transportation Authority	Areawide	0	SP1409-administrative vehicle	Transit Capital 5307 Buses, Equip, Facilities, etc		NI	\$84,800	\$21,200	\$0	\$106,000	5307	\$3,193,969.00
Removed Sec. 5307 bus scope	2021	Multi-Modal	205878	Transit Capital	Ann Arbor Area Transportation Authority	Areawide	0	SP1104-40 foot and greater replacement bus with or without lift	Transit Capital 5307 Buses, Equip, Facilities, etc		NI	\$0	\$0	\$0	\$0	5307	\$3,193,969.00
Removed Sec. 5339 bus scope	2021	Multi-Modal	205894	Transit Capital	Ann Arbor Area Transportation Authority	Areawide	0	SP1104-40 foot and greater replacement bus with or without lift	Transit Capital 5339 Bus Replacement and Facilities		NI	\$0	\$0	\$0	\$0	5339	\$1,233,031.00
Added Sec. 5339 Facilities scope	2021	Multi-Modal	205894	Transit Capital	Ann Arbor Area Transportation Authority	Areawide	0	SP1206-Bus terminal facility improvements	Transit Capital 5339 Bus Replacement and Facilities		NI	\$986,425	\$246,606	\$0	\$1,233,031	5339	\$1,233,031.00
Continuation of Expansion on New Freedom MM	2022	Multi-Modal	208453	Transit Capital	People's Express	Areawide	0	6470-New Freedom Projects	Transit Capital FY22 5310- New Freedom		NI	\$32,340	\$8,085	\$0	\$40,425	5310	\$40,425.00
Continuation of Expansion on New Freedom	2022	Multi-Modal	208455	Transit Operating	People's Express	Areawide	0	6470-New Freedom Projects	Transit Operating FY22 5310 New Freedom Operating		NI	\$75,961	\$0	\$75,961	\$151,922	5310	\$151,922.00
Continuation of Expansion on New Freedom MM	2023	Multi-Modal	208456	Transit Capital	People's Express	Areawide	0	6470-New Freedom Projects	Transit Capital FY23 5310 New Freedom		NI	\$32,340	\$8,085	\$0	\$40,425	5310	\$40,425.00
Continuation of Expansion on New Freedom	2023	Multi-Modal	208457	Transit Operating	People's Express	Areawide	0	6470-New Freedom Projects	Transit Operating FY23 5310 New Freedom Operating		NI	\$75,961	\$0	\$75,961	\$151,922	5310	\$151,922.00
corrected limits; updated local share (which includes some watermain work)	2023	Local	210417	S State St	Ann Arbor		0.745	Road Rehabilitation	Road Rehabilitation		CON	\$379,000	\$0	\$84,044	\$463,044	NH	\$1,721,800.00
corrected limits; updated local share (which includes some watermain work)	2023	Local	210417	S State St	Ann Arbor		0.745	Road Rehabilitation	Road Rehabilitation		CON	\$621,000	\$0	\$137,708	\$637,708	STU	\$1,721,800.00
added local share	2023	Local	208628	Packard St	Ann Arbor	Communication Expansion and System Improvement for Arterial Traffic Operati	6.339	ITS Applications	Communication Expansion and System Improvement for Arterial Traffic Operati		CON	\$1,391,381	\$0	\$120,000	\$1,511,381	CPMG	\$1,391,381.00

MEMORANDUM

To: Technical Committee
From: Emily Lake
Date: February 24, 2021
Re: 2019 Traffic Crash Report for Washtenaw County

Background

The WATS traffic crash report is updated annually to include information on traffic crashes, fatalities, and serious injuries for communities in Washtenaw County. The report is provided as information to help guide transportation improvement decisions and policy. The 2019 report has been modified to include 5-year crash trends for fatal and serious injury crashes, and evaluates five new crash factors including: lane departure crashes, intersections crashes, speeding related crashes, and crashes with young and older drivers.

The 2019 Traffic Crash Report is available for review [here](#).

Key Traffic Crash Observations:

- There were 11,353 total reported crashes in 2019, up 3% from 2018. While the number of crashes increased, the severe crash rate decreased 3% from 4.05 in 2018 to 3.92 in 2019.
- There were 24 fatal crashes and 115 serious injury crashes in 2019.
- There were 114 crashes involving pedestrians, up 2.6% from 2018. The majority (64%) of crashes involving pedestrians were injury crashes, and 14% were fatal or serious injury crashes.
- There were 87 crashes involving bicyclists, up 11% from 2018. The majority (69%) of crashes involving bicyclists were injury crashes, and 8% were serious injury crashes.
- Lane departures were involved in 12 fatal crashes, or 50% of all fatal traffic crashes.

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University of Michigan • Washtenaw County Board of Commissioners • Washtenaw County Road Commission • City of Ypsilanti • Ypsilanti Township •
• Ex Officio: Federal Highway Administration • Southeast Michigan Council of Governments •

An Intermunicipality Committee organized under Act 200 of Public Acts of Michigan (1957)
representing Washtenaw County

Additional Resources:

- All data for the crash report is obtained from the Michigan Traffic Crash Facts reporting tool. The data query tool is available at <https://www.michigantrafficcrashfacts.org>.
- SEMCOG also maintains a searchable map and database of crashes in Southeastern Michigan at <http://www.semcog.org/Safety.aspx>.

Action

Review the attached crash report and send any questions or comments to Emily Lake at lakee@miwats.org.



2019 Traffic Crash Report & 2015-2019 5-Year Crash Trends for Washtenaw County



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WATS Staff:

Ryan Buck	Director
Nick Sapkiewicz	Transportation Planner
Suzann Flowers	Transportation Planner
Emily Lake	Associate Transportation Planner

2019 Traffic Crash Report & 2015-2019 5-Year Crash Trends

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Executive Summary

WATS provides this report as a resource for Washtenaw County residents, communities, and agencies seeking to make transportation safer. Local agencies need quality crash data to make transportation improvement decisions, improve users' safety, and allocate funds. For example, municipalities use this data to identify locations for improvement using federal safety funds. Citizens and legislators also use information on crash factors to call for changes in policy. WATS uses crash data from the Michigan State Police reporting tool, to update this crash report annually. Based on 2019 data, WATS has updated information on traffic crashes, fatalities, and serious injuries in Washtenaw County. Crash factors identified as emphasis areas include crashes involving: intersections, lane departures, pedestrians, bicyclists, impaired drivers, deer, speeding, young drivers, and older drivers. Crashes may involve more than one factor.

11,353 crashes in 2019, an increase of 3% from 2018



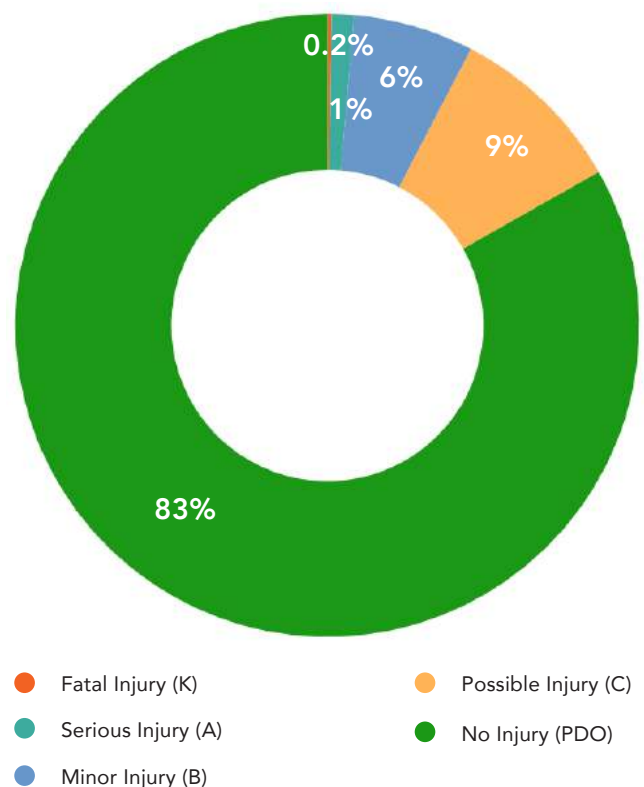
General Trends

Washtenaw County (including the Monroe County portion of the City of Milan) recorded 11,353 crashes in 2019, an increase of 3% from 11,006 in 2018.

While the overall number of reported crashes increased, the severe crash rate, shown in Table 1, decreased 3% from 4.05 to 3.92. The severe crash rate is also 2.5% lower in 2019 than the prior five year average.

Chart 1 shows the distribution of crash severity throughout reported crashes. In Washtenaw County, 83% of the 11,353 reported crashes involved property damage without injuries, 15% involved minor or possible injuries, and 1.2%, or 155 crashes, involved serious or fatal injuries.

CHART 1: CRASH SEVERITY FOR WASHTENAW COUNTY (2019)



Executive Summary

TABLE 1: SEVERE CRASH RATE FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
FATAL & SERIOUS INJURY CRASHES	126	152	184	164	155	
ANNUAL VMT (M)	39.27760	36.74410	38.44342	40.49252	39.46184	
SEVERE CRASH RATE	3.21	4.14	4.79	4.05	3.92	

The severe crash rate is obtained by dividing the number of reported fatal (K) and serious injury (A) crashes by the annual vehicle miles traveled (VMT) for Washtenaw County.

Severe Crash Rate of 3.92 in 2019, a decreased of 3% from 2018

Data Collection

WATS obtains crash data for municipalities and agencies from Michigan Traffic Crash Facts reporting tool. Crash totals may vary slightly when comparing agencies, municipalities, and cause of crashes. The Monroe County portion of the City of Milan is included in the municipality totals. Agency totals may include data reported from outside the county.

For more information:

<http://www.michigantrafficcrashfacts.org/> provides information on specific crashes, maps, and data from throughout Michigan. Use the Data Query tool for maps and crash reports.

SEMCOG also maintains a searchable database of crashes in Southeastern Michigan at <http://www.semco.org/Safety.aspx>.

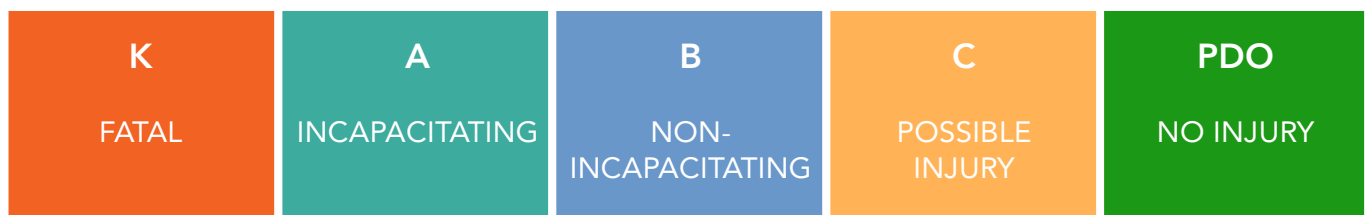
Crash Severity

There were 11,353 total reported crashes in 2019, up 3% from 2018. Traffic fatalities decreased slightly from 25 in 2018 to 24 in 2019. Serious injury crashes decreased 5% from 139 in 2018 to 131 in 2019 but are still up 1.5% from the previous five year average.

TABLE 2: TRAFFIC CRASHES AND CRASH SEVERITY FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	10,839	11,702	11,331	11,006	11,353	
FATAL CRASHES	26	23	37	25	24	
SERIOUS INJURY CRASHES	100	129	147	139	131	

Michigan law enforcement officers' code injury severity, from K-Fatal to PDO-No Injury. Codes are based on the most severe injury in the crash. Reporting agencies code a single fatal or serious injury crash regardless of the number of persons killed or seriously injured. Fatalities and serious injuries report the number of people killed or seriously injured.



Fatal and Serious Injury Crashes

In 2019, 24 fatal crashes occurred in Washtenaw County resulting in 26 fatalities. The 24 fatal crashes included two pedestrians and no bicyclists. The highest number of fatal crashes occurred in the City of Ann Arbor. Of the 24 reported fatal crashes, 14 crashes involved lane departures (58% of fatal crashes) and 7 crashes involved alcohol (29% of fatal crashes). Serious Injury crashes include those coded as A-Incapacitating. In 2019, there were 131 reported serious injury crashes resulting in 151 serious injuries. The 131 serious injury crashes included 14 pedestrians and 7 bicyclists. The highest number of serious injury crashes occurred in the City of Ann Arbor and Ypsilanti Township.

24 Fatal Crashes Resulted in 26 Fatalities in Washtenaw County (2019)

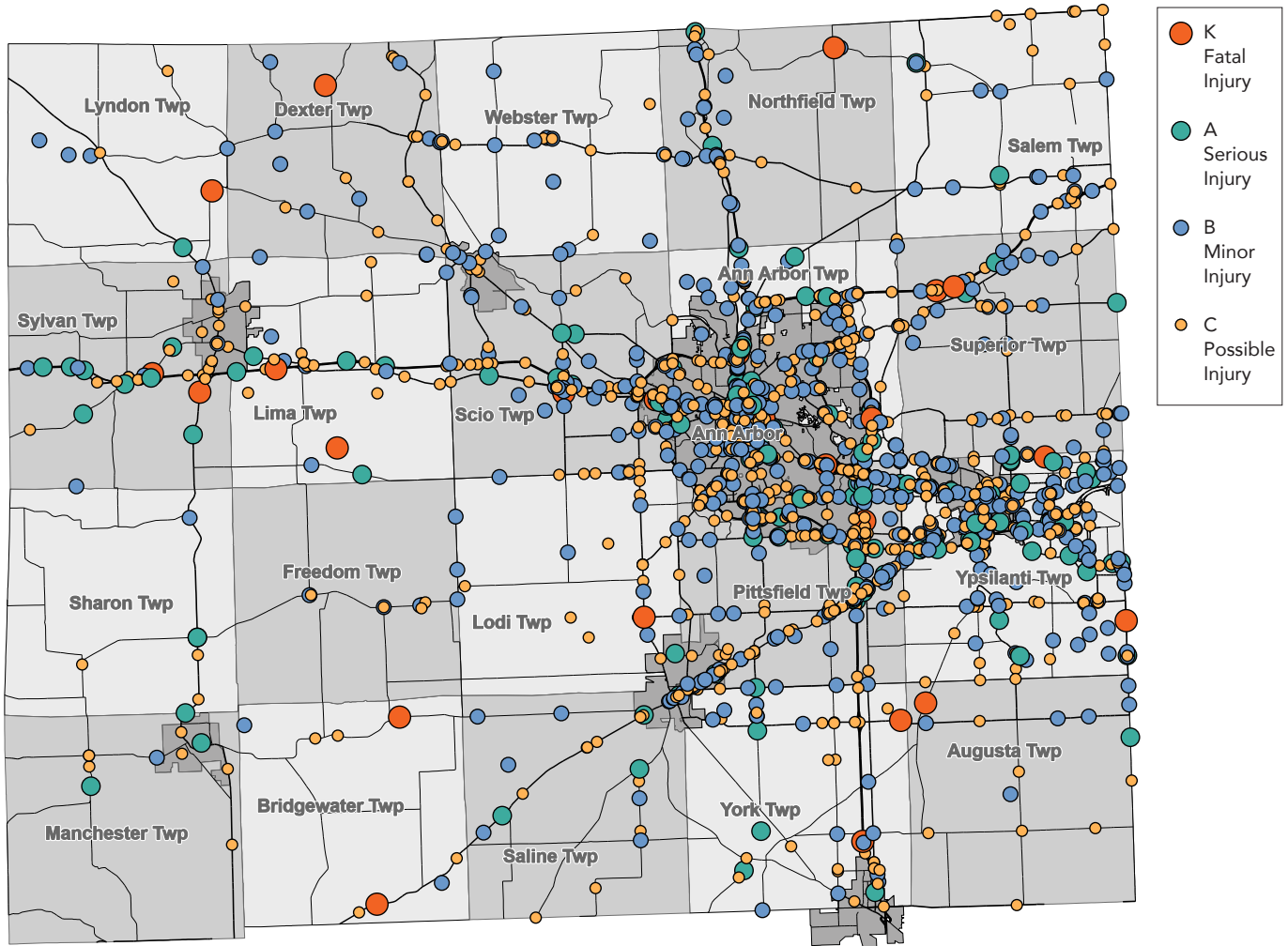
Crash Severity

TABLE 3: TRAFFIC CRASHES AND CRASH SEVERITY BY MUNICIPALITY (2019)

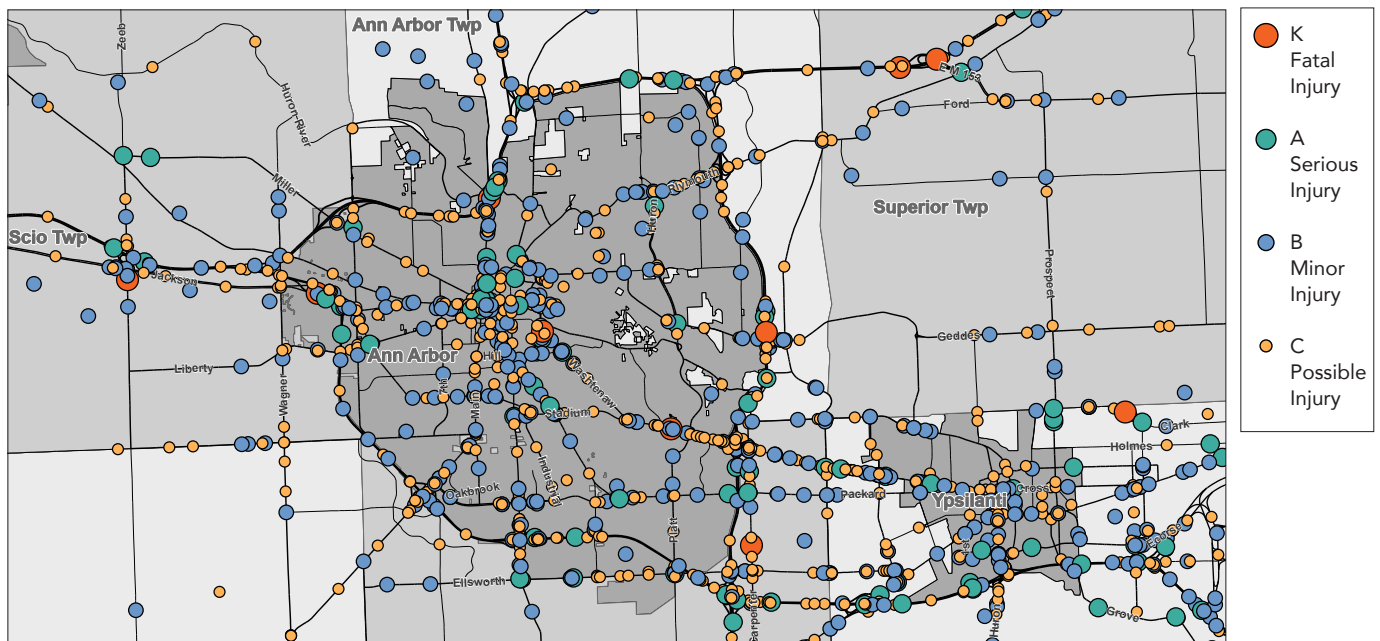
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	3,676	3	30	3	30
Barton Hills	10	0	0	0	0
Chelsea	148	0	1	0	1
Dexter	85	0	0	0	0
Manchester	27	0	1	0	1
Milan	45	0	1	0	1
Saline	200	0	4	0	5
Ypsilanti	829	0	10	0	11
TOTAL	5,020	3	47	3	49
TOWNSHIPS					
Ann Arbor Twp	746	2	12	2	14
Augusta Twp	88	1	1	1	4
Bridgewater Twp	62	2	0	2	0
Dexter Twp	128	1	0	1	0
Freedom Twp	36	0	0	0	0
Lima Twp	169	2	4	2	5
Lodi Twp	115	1	0	1	0
Lyndon Twp	74	1	1	1	1
Manchester Twp	70	0	1	0	1
Northfield Twp	258	1	2	1	2
Pittsfield Twp	1,405	1	13	1	15
Salem Twp	195	0	2	0	3
Saline Twp	57	0	2	0	2
Scio Twp	573	1	5	1	5
Sharon Twp	56	0	3	0	3
Superior Twp	427	2	3	4	6
Sylvan Twp	218	2	8	2	9
Webster Twp	125	0	0	0	0
York Twp	269	2	4	2	5
Ypsilanti Twp	1,262	2	23	2	27
TOTAL	6,333	21	84	23	102
WASHTENAW COUNTY	11,353	24	131	26	151

Crash Severity

MAP 1: INJURY CRASH LOCATIONS FOR WASHTENAW COUNTY (2019)



MAP 2: URBAN AREA DETAIL FOR INJURY CRASH LOCATIONS (2019)



Crash Types

The Michigan State Police and other reporting agencies define major crash types as follows:



Single Motor Vehicle

Single Motor Vehicle crashes involve only one vehicle and are not caused by another vehicle. Includes collisions with pedestrians, bicycles, animals, trains, and other fixed objects or rollovers.



Head On

Head On crashes occur when two vehicles coming from opposite directions collide while facing each other.



Angle or Head On / Left Turn

Angle crashes occur when one vehicle hits the side of another at a perpendicular angle. May be strong enough to stop forward motion of vehicles.

Head On / Left Turn crashes occur when two vehicles coming from opposite directions collide while facing each other and when one or both vehicles were attempting to turn left.



Rear End

Rear End crashes occur when one vehicle hits the rear of another vehicle while going the same direction. Usually when stopping or accelerating and when the vehicle that was hit was attempting to turn left or right.



Sideswipe

Sideswipe crashes occur when a vehicle hits the side of another vehicle, makes contact at a glancing angle, and when the two vehicles are travelling in the same or opposite directions.

Crash Types

TABLE 4: TRAFFIC CRASHES AND CRASH TYPE FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
SINGLE MOTOR VEHICLE	2,854	2,795	2,903	2,786	3,002	
HEAD ON	131	118	93	111	113	
ANGLE OR HEAD ON / LEFT TURN	1,924	2,150	1,970	1,890	1,927	
REAR END	3,827	4,261	4,008	3,806	3,787	
SIDESWIPE	1,613	1,798	1,692	1,744	1,824	
OTHER / UNKNOWN	490	580	665	669	700	

The distribution of crash types remains relatively consistent with the prior five year average. Rear end crashes continue to be the most common crash type, making up 33% of all crashes in Washtenaw County. The second most common type of crash, single motor vehicle crashes, make up 26% of all crashes and are the most severe, making up 48% of all traffic fatalities and serious injuries.

CHART 2: CRASH TYPE BY PERCENT OF CRASHES FOR WASHTENAW COUNTY (2019)

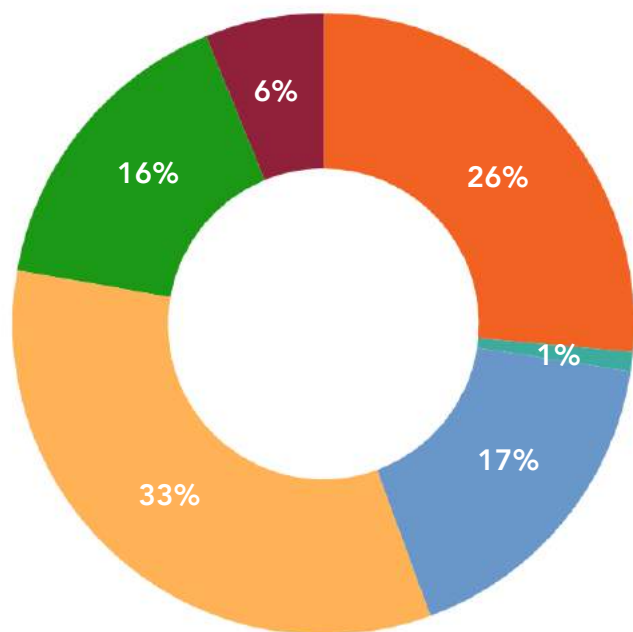
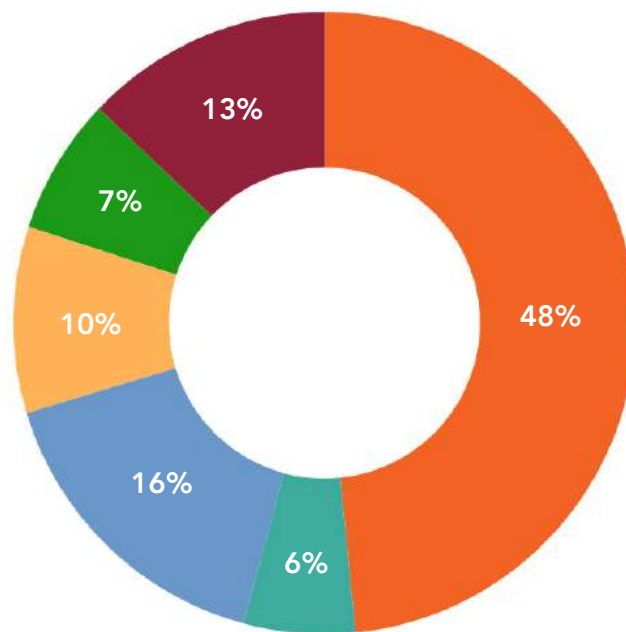


CHART 3: FATALITIES AND SERIOUS INJURIES BY CRASH TYPE FOR WASHTENAW COUNTY (2019)



- Single Motor Vehicle
- Angle or Head On / Left Turn
- Sideswipe
- Head On
- Rear End
- Other / Unknown

Crash Types

TABLE 5: TRAFFIC CRASHES AND CRASH TYPE BY MUNICIPALITY (2019)

COMMUNITY	SINGLE MOTOR VEHICLE	HEAD ON	ANGLE OR HEAD ON / LEFT TURN	REAR END	SIDESWIPE	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	483	33	718	1,380	760	302
Barton Hills	6	0	2	1	0	1
Chelsea	30	0	33	51	15	19
Dexter	18	0	25	21	7	14
Manchester	10	0	5	7	4	1
Milan	11	0	4	7	15	8
Saline	34	0	50	72	28	16
Ypsilanti	87	10	186	293	195	58
TOTAL	679	43	1,023	1,832	1,024	419
TOWNSHIPS						
Ann Arbor Twp	230	2	40	334	109	31
Augusta Twp	51	0	9	13	12	3
Bridgewater Twp	53	0	4	2	2	1
Dexter Twp	99	3	8	11	3	4
Freedom Twp	28	0	3	2	0	3
Lima Twp	101	3	6	43	13	3
Lodi Twp	65	0	18	21	8	3
Lyndon Twp	60	1	4	8	1	0
Manchester Twp	55	0	5	5	3	2
Northfield Twp	140	5	19	49	31	14
Pittsfield Twp	260	13	281	560	236	55
Salem Twp	95	3	20	58	11	8
Saline Twp	41	0	2	3	8	3
Scio Twp	240	4	69	152	89	19
Sharon Twp	37	3	3	4	5	4
Superior Twp	148	8	48	164	36	23
Sylvan Twp	140	1	13	30	24	10
Webster Twp	89	2	13	14	5	2
York Twp	127	3	54	57	19	9
Ypsilanti Twp	264	19	285	425	185	84
TOTAL	2,323	70	904	1,955	800	281
WASHTENAW COUNTY	3,002	113	1,927	3,787	1,824	700

Crashes Involving Lane Departures

TABLE 6: TRAFFIC CRASHES INVOLVING LANE DEPARTURES FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,784	1,790	1,910	1,758	1,892	
FATAL CRASHES	13	14	17	14	12	
SERIOUS INJURY CRASHES	37	52	57	60	50	

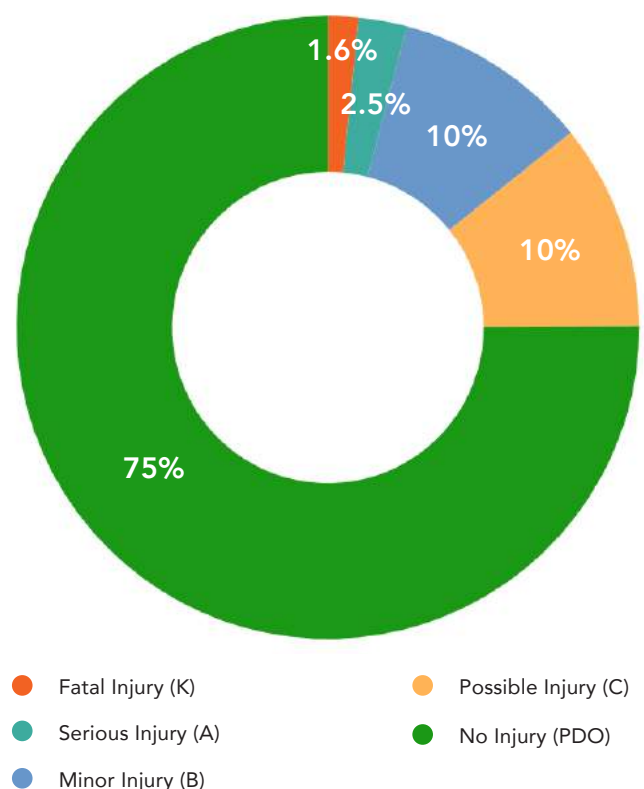
50% of All Fatal Crashes Involved Lane Departures (2019)

Lane departure crashes are defined as crashes that occur when vehicles cross over either the centerline or edge line, resulting in head-on, opposite direction sideswipe, or run-off-the-road collisions. Lane departures are one of the most severe crash factors in Washtenaw County.

Key Observations

- There were 1,892 lane departure crashes in 2019, up 7% from 1,758 in 2018.
- Crashes involving lane departures represented 16% of all crashes, 50% of all fatal crashes, and 38% of all serious injury crashes.
- Most lane departure crashes occurred in the City of Ann Arbor (23%) and Ypsilanti Township (12%).

CHART 4: CRASHES INVOLVING LANE DEPARTURES BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Lane Departures

TABLE 7: TRAFFIC CRASHES INVOLVING LANE DEPARTURES BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	448	2	6	2	6
Barton Hills	4	0	0	0	0
Chelsea	18	0	1	0	1
Dexter	12	0	0	0	0
Manchester	5	0	1	0	1
Milan	10	0	0	0	0
Saline	16	0	0	0	0
Ypsilanti	91	0	4	0	4
TOTAL	604	2	12	2	12
TOWNSHIPS					
Ann Arbor Twp	149	1	3	1	4
Augusta Twp	29	0	0	0	0
Bridgewater Twp	21	0	0	0	0
Dexter Twp	43	1	0	1	0
Freedom Twp	12	0	0	0	0
Lima Twp	45	1	2	1	2
Lodi Twp	20	0	0	0	0
Lyndon Twp	19	1	1	1	1
Manchester Twp	14	0	1	0	1
Northfield Twp	77	1	2	1	2
Pittsfield Twp	177	0	4	0	4
Salem Twp	44	0	1	0	2
Saline Twp	20	0	2	0	2
Scio Twp	120	0	1	0	1
Sharon Twp	9	0	1	0	1
Superior Twp	72	1	1	3	0
Sylvan Twp	65	2	7	2	7
Webster Twp	31	0	0	0	0
York Twp	79	0	3	0	3
Ypsilanti Twp	242	2	9	2	11
TOTAL	1,288	10	38	12	41
WASHTENAW COUNTY	1,892	12	50	14	53

Crashes Involving Intersections

TABLE 8: TRAFFIC CRASHES INVOLVING INTERSECTIONS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	3,165	3,498	3,087	2,950	2,952	
FATAL CRASHES	5	2	7	3	3	
SERIOUS INJURY CRASHES	27	28	48	37	35	

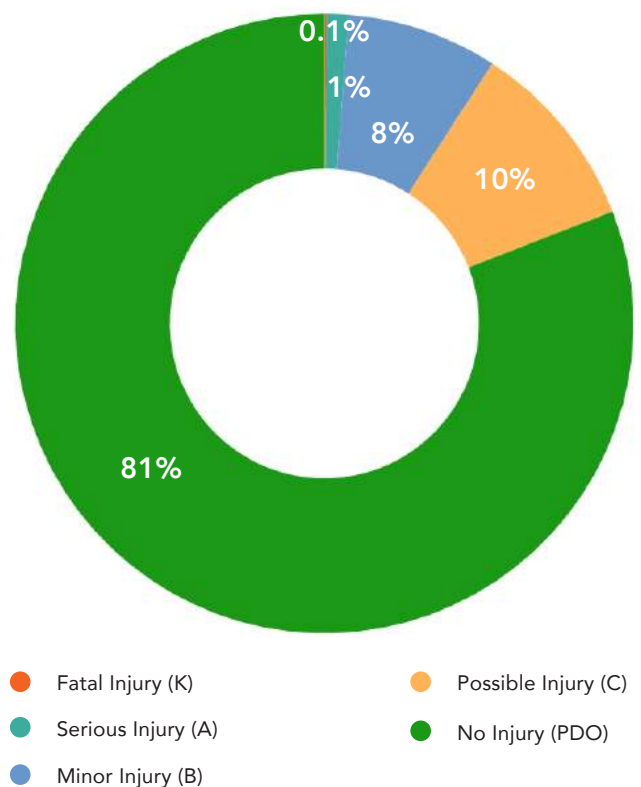
26% of All Crashes Involved Intersections (2019)

Intersection crashes are defined as crashes where the first harmful event occurred within 150 feet of an intersection. Includes signalized, non-signalized, and roundabout intersections.

Key Observations

- The number of crashes involving intersections decreased 5% from the previous five year average.
- Intersections were involved in 26% of all crashes, 12% of all fatal crashes, and 26% of all serious injury crashes.
- Most intersection crashes occurred in the City of Ann Arbor, the City of Ypsilanti, Pittsfield Township, and Ypsilanti Township.

CHART 5: CRASHES INVOLVING INTERSECTIONS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Intersections

TABLE 9: TRAFFIC CRASHES INVOLVING INTERSECTIONS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	1,147	1	10	1	10
Barton Hills	2	0	0	0	0
Chelsea	41	0	0	0	0
Dexter	26	0	0	0	0
Manchester	13	0	0	0	0
Milan	15	0	1	0	1
Saline	63	0	2	0	2
Ypsilanti	362	0	3	0	3
TOTAL	1,669	1	16	1	16
TOWNSHIPS					
Ann Arbor Twp	83	0	0	0	0
Augusta Twp	18	0	0	0	0
Bridgewater Twp	2	0	0	0	0
Dexter Twp	13	0	0	0	0
Freedom Twp	5	0	0	0	0
Lima Twp	13	0	1	0	1
Lodi Twp	37	1	0	1	0
Lyndon Twp	6	0	0	0	0
Manchester Twp	9	0	0	0	0
Northfield Twp	26	0	0	0	0
Pittsfield Twp	369	0	6	0	7
Salem Twp	33	0	0	0	0
Saline Twp	8	0	0	0	0
Scio Twp	106	0	1	0	1
Sharon Twp	8	0	2	0	2
Superior Twp	95	0	2	0	2
Sylvan Twp	23	0	0	0	0
Webster Twp	24	0	0	0	0
York Twp	60	1	2	1	2
Ypsilanti Twp	345	0	5	0	5
TOTAL	1,283	2	19	2	20
WASHTENAW COUNTY	2,952	3	35	3	36

Crashes Involving Intersections

MAP 3: INTERSECTION CRASH LOCATIONS FOR WASHTENAW COUNTY (2019)

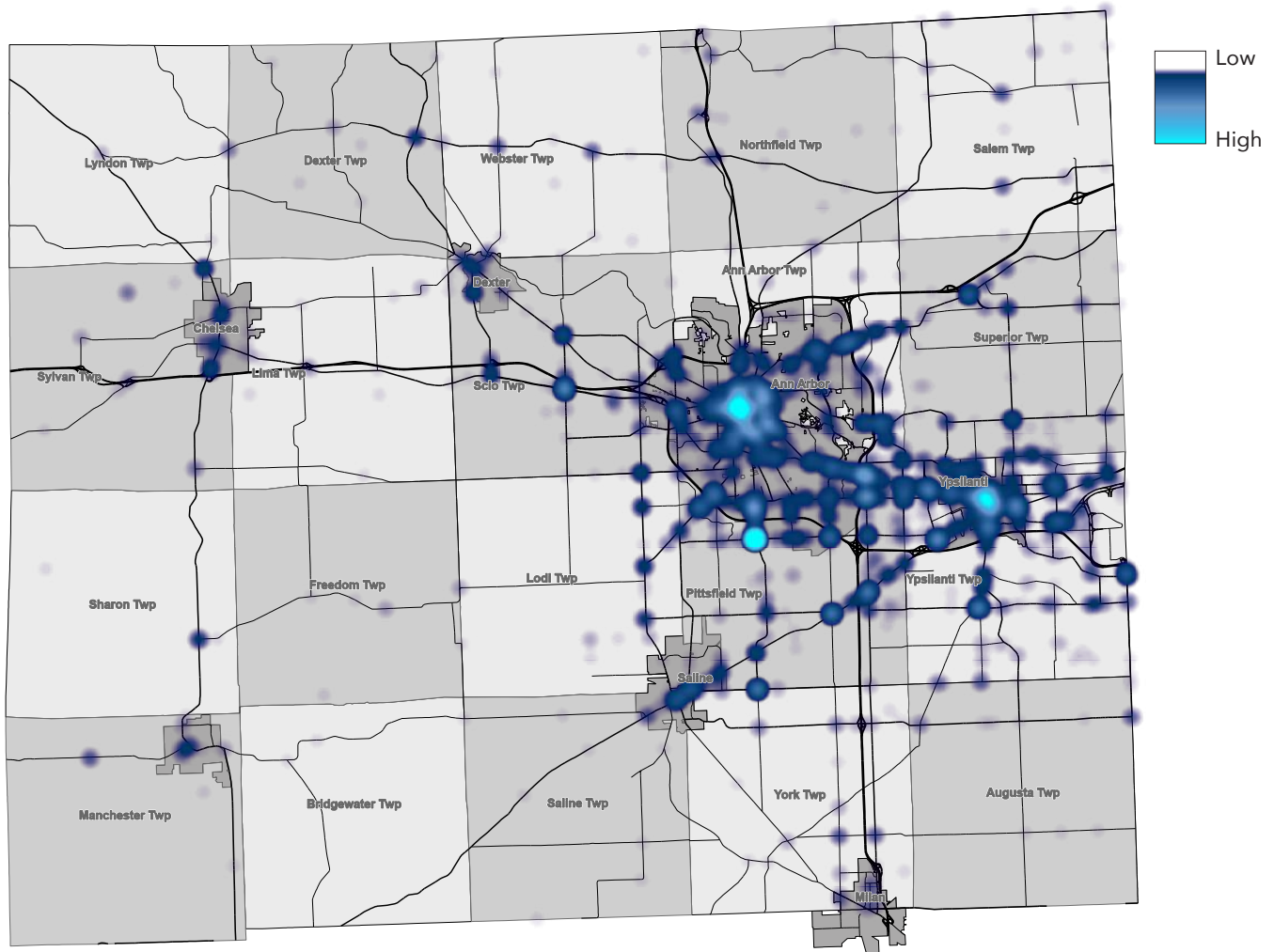


TABLE 10: HIGHEST FREQUENCY INTERSECTION CRASH LOCATIONS RANKED (2019)

RANK	LOCATION	COMMUNITY	CRASHES		
			CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES
1	S State Rd & W Ellsworth Rd	Ann Arbor	145	0	1
2	Jackson Rd & S Zeeb Rd	Scio Twp	26	0	0
3	Packard St & Carpenter Rd	Pittsfield Twp	24	0	1
4	Washtenaw Ave & Carpenter / Hogback Rd	Pittsfield Twp	24	0	0
5	Moon Rd & W Bemis Rd	Pittsfield Twp	24	0	1
6	W Michigan Ave & Hewitt Rd	Ypsilanti Twp	23	0	1
7	W Michigan Ave & Carpenter Rd	Pittsfield Twp	21	0	0
8	E Ellsworth Rd & Platt Rd	Ann Arbor	20	0	1
9	N Hewitt Rd & Washtenaw Ave	Ypsilanti Twp	18	0	0
10	Michigan Ave & Huron St	Ypsilanti	17	0	0

Crashes Involving Pedestrians



Crashes Involving Pedestrians

TABLE 11: TRAFFIC CRASHES INVOLVING PEDESTRIANS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

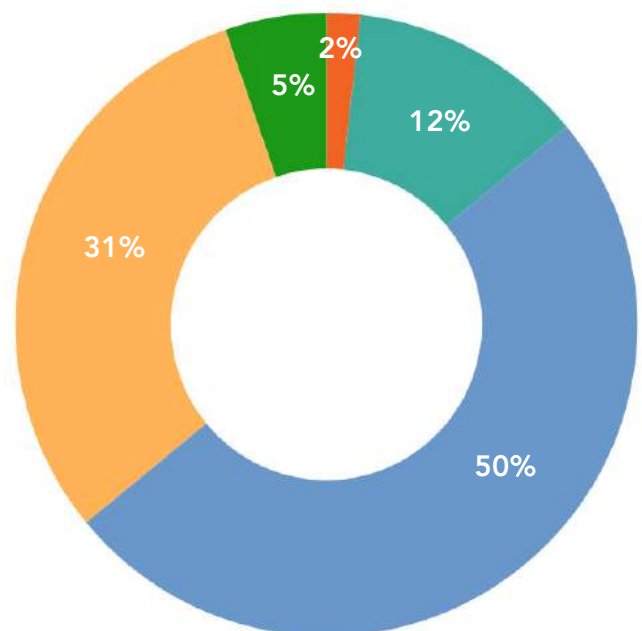
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	87	127	107	111	114	
FATAL CRASHES	1	8	6	3	2	
SERIOUS INJURY CRASHES	13	18	21	17	14	

95% of Crashes Involving Pedestrians Were Injury Crashes (2019)

Key Observations

- Crashes involving pedestrians increased 2.6% from 111 crashes in 2018 to 114 crashes in 2019.
- 14% of crashes involving pedestrians were either fatal or serious injury crashes.
- Pedestrians were involved in 1% of all crashes, 8% of fatal crashes, and 10% of all serious injury crashes in Washtenaw County.
- Pedestrian related crashes occur most frequently in urban communities, such as the City of Ann Arbor and the City of Ypsilanti.

CHART 6: CRASHES INVOLVING PEDESTRIANS BY SEVERITY FOR WASHTENAW COUNTY (2019)



- Fatal Injury (K)
- Possible Injury (C)
- Serious Injury (A)
- No Injury (PDO)
- Minor Injury (B)

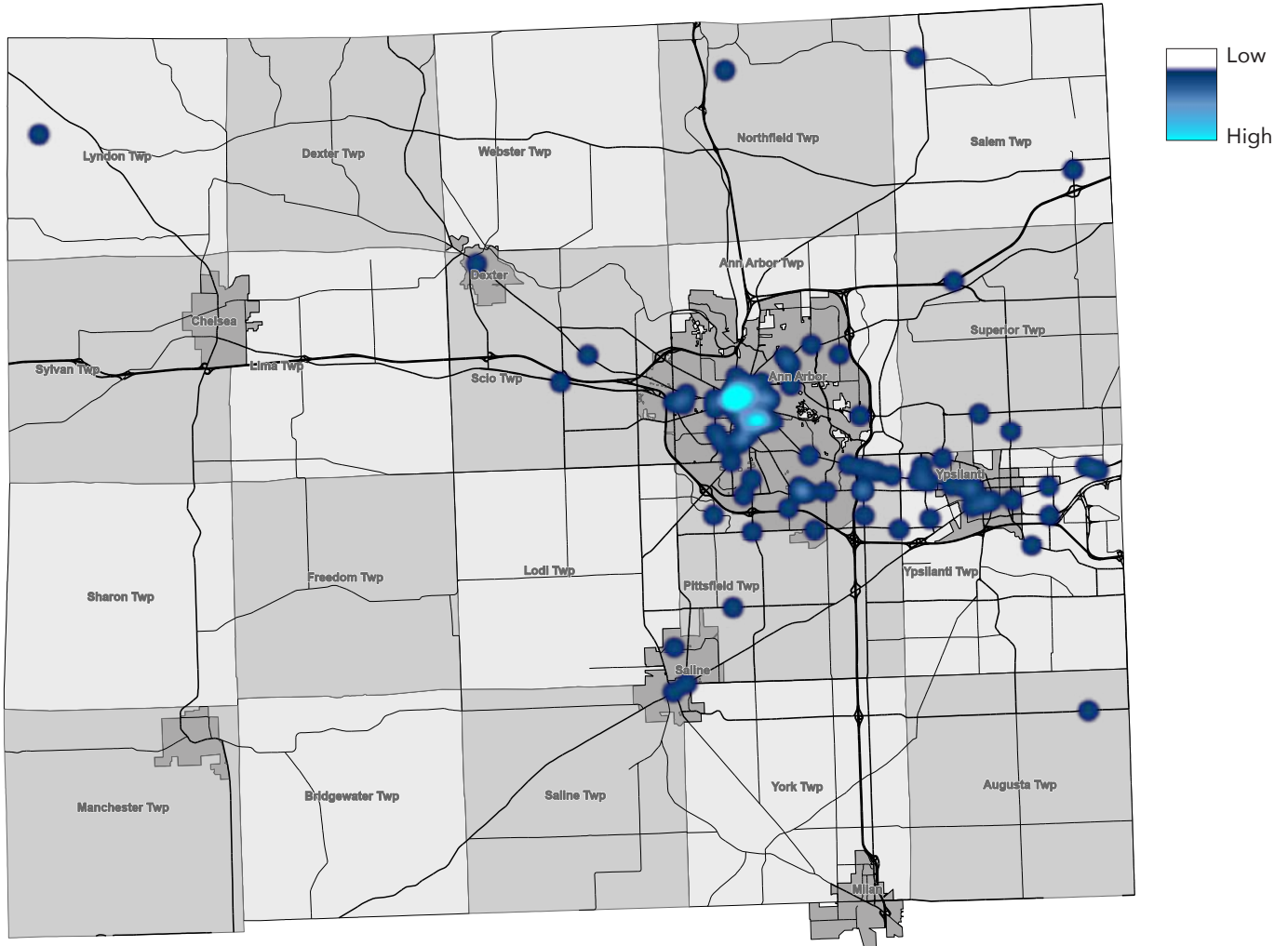
Crashes Involving Pedestrians

TABLE 12: TRAFFIC CRASHES INVOLVING PEDESTRIANS BY MUNICIPALITY (2019)

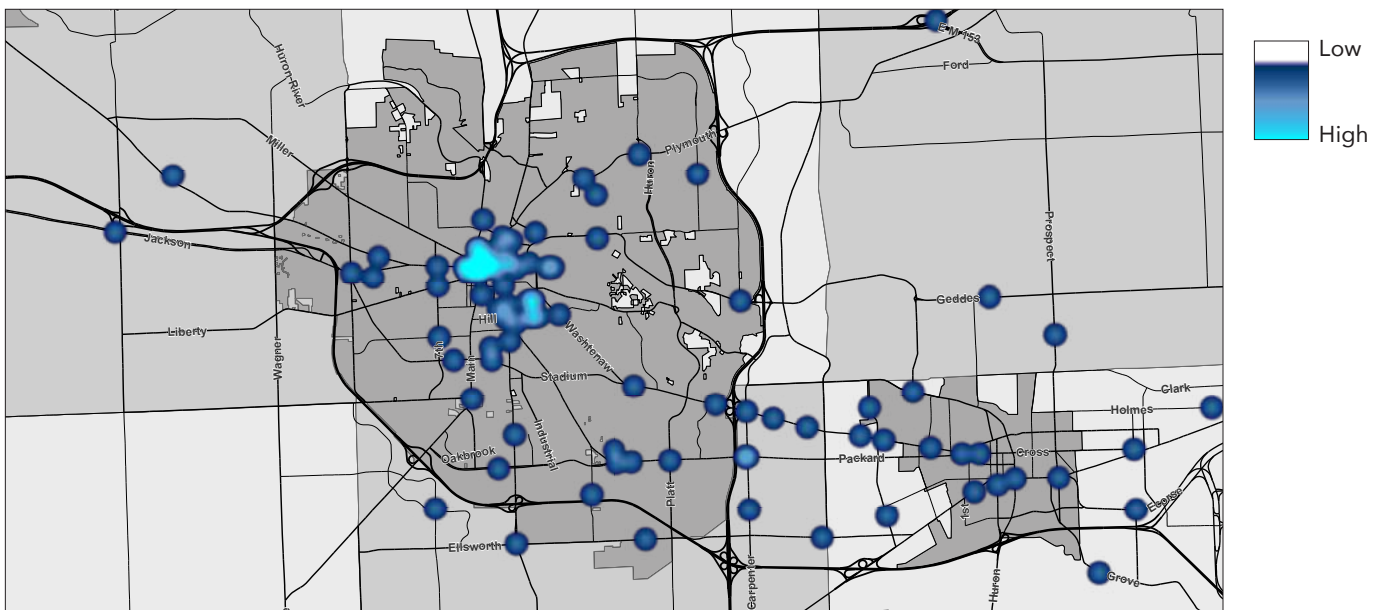
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	74	0	8	0	8
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	1	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	3	0	1	0	1
Ypsilanti	10	0	1	0	1
TOTAL	88	0	10	0	10
TOWNSHIPS					
Ann Arbor Twp	0	0	0	0	0
Augusta Twp	1	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	0	0	0	0	0
Freedom Twp	0	0	0	0	0
Lima Twp	0	0	0	0	0
Lodi Twp	0	0	0	0	0
Lyndon Twp	1	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	1	0	0	0	0
Pittsfield Twp	9	1	0	1	0
Salem Twp	0	0	1	0	1
Saline Twp	2	0	0	0	0
Scio Twp	2	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	3	1	0	1	0
Sylvan Twp	0	0	0	0	0
Webster Twp	0	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	7	0	3	0	3
TOTAL	26	2	4	2	4
WASHTENAW COUNTY	114	2	14	2	14

Crashes Involving Pedestrians

MAP 4: PEDESTRIAN CRASH LOCATIONS FOR WASHTENAW COUNTY (2019)



MAP 5: URBAN AREA DETAIL FOR PEDESTRIAN CRASH LOCATIONS (2019)



Crashes Involving Bicyclists



Crashes Involving Bicyclists

TABLE 13: TRAFFIC CRASHES INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

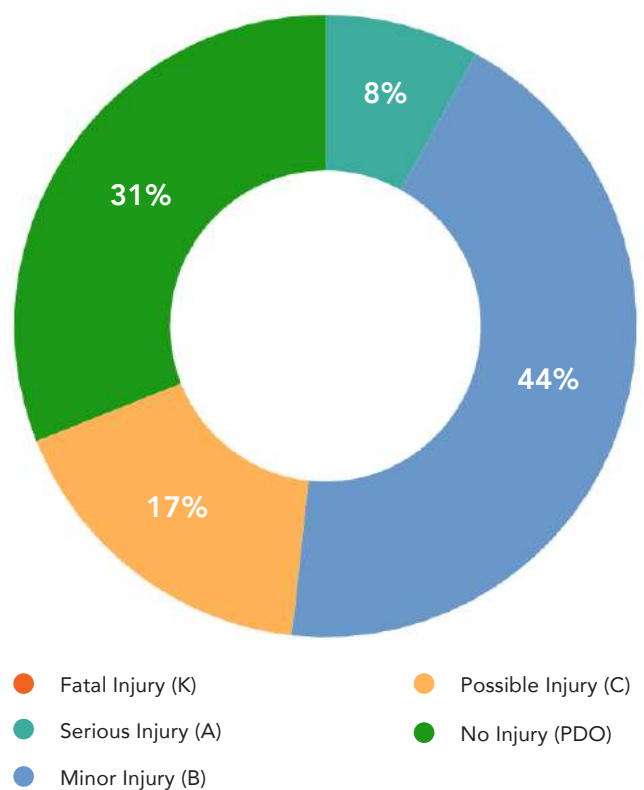
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	77	121	88	77	87	
FATAL CRASHES	4	2	1	2	0	
SERIOUS INJURY CRASHES	3	7	6	4	7	

69% of Crashes Involving Bicyclists Were Injury Crashes (2019)

Key Observations

- Crashes involving bicyclists were up 11%, from 77 crashes in 2018 to 87 crashes in 2019.
- The majority (44%) of crashes involving bicyclists were minor injury crashes. There were 7 serious injury crashes and 0 fatal crashes.
- Bicyclists were involved in 0.8% of all crashes and 5% of all serious injury crashes in Washtenaw County.
- The City of Ann Arbor, Ypsilanti Township, and Pittsfield Township had the most crashes involving bicyclists.

CHART 7: CRASHES INVOLVING BICYCLISTS BY SEVERITY FOR WASHTENAW COUNTY (2019)



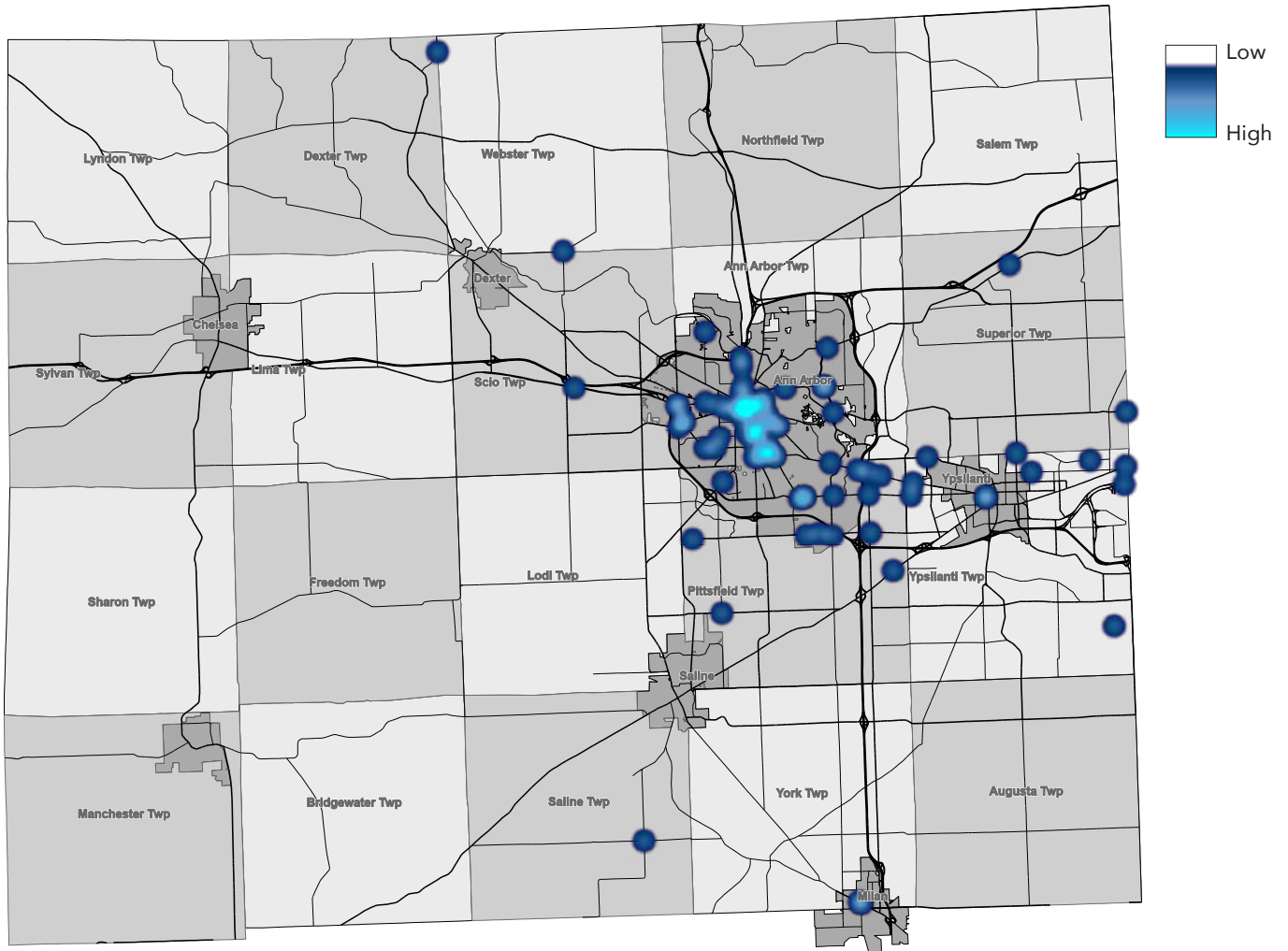
Crashes Involving Bicyclists

TABLE 14: TRAFFIC CRASHES INVOLVING BICYCLISTS BY MUNICIPALITY (2019)

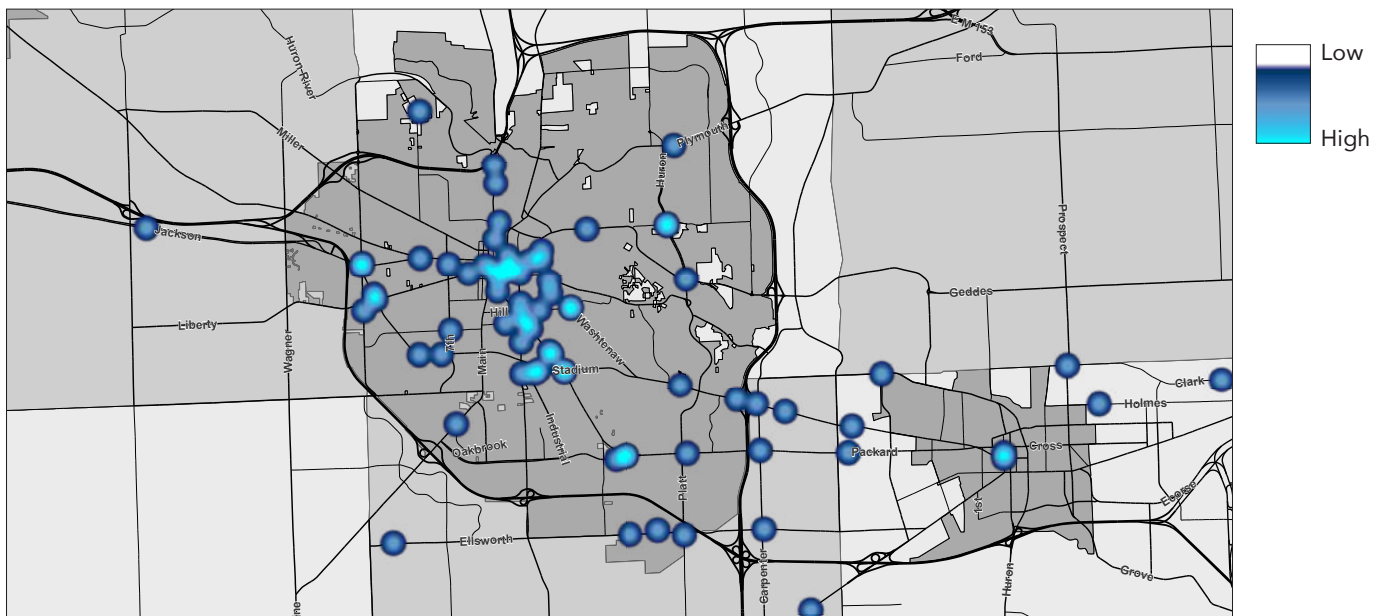
COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	65	0	5	0	5
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	0	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	0	0	0	0	0
Ypsilanti	0	0	0	0	0
TOTAL	65	0	5	0	5
TOWNSHIPS					
Ann Arbor Twp	1	0	0	0	0
Augusta Twp	0	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	1	0	0	0	0
Freedom Twp	0	0	0	0	0
Lima Twp	0	0	0	0	0
Lodi Twp	0	0	0	0	0
Lyndon Twp	0	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	0	0	0	0	0
Pittsfield Twp	7	0	0	0	0
Salem Twp	0	0	0	0	0
Saline Twp	1	0	0	0	0
Scio Twp	1	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	2	0	0	0	0
Sylvan Twp	0	0	0	0	0
Webster Twp	1	0	0	0	0
York Twp	0	0	0	0	0
Ypsilanti Twp	8	0	2	0	2
TOTAL	22	0	2	0	2
WASHTENAW COUNTY	87	0	7	0	7

Crashes Involving Bicyclists

MAP 6: CRASH LOCATIONS INVOLVING BICYCLISTS FOR WASHTENAW COUNTY (2019)



MAP 7: URBAN AREA DETAIL FOR CRASHES INVOLVING BICYCLISTS (2019)



Crashes Involving Alcohol

TABLE 15: TRAFFIC CRASHES INVOLVING ALCOHOL FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	332	329	341	281	307	
FATAL CRASHES	8	6	17	7	7	
SERIOUS INJURY CRASHES	20	19	25	32	24	

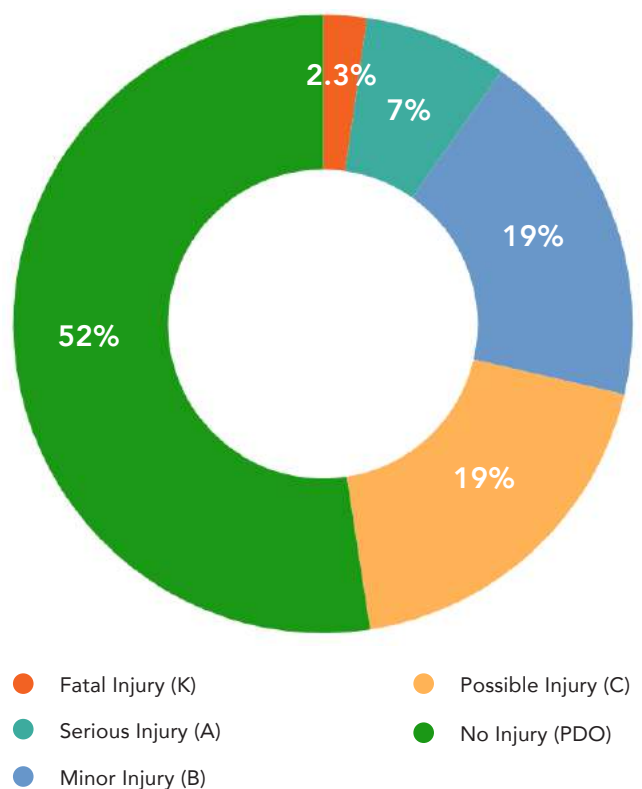
20% of All Injury Crashes Involved Alcohol (2019)

Responding officers indicate if drivers involved in crashes used or were suspected to have used alcohol. Includes alcohol use under the legal limit and at or over the legal limit.

Key Observations

- In 2019, 29% of all fatal crashes involved alcohol and 18% of all serious injury crashes involved alcohol.
- The number of crashes involving alcohol increased 8% from 281 in 2018 to 307 in 2019.
- 25% of all crashes involving alcohol occurred in the City of Ann Arbor and 16% occurred in Ypsilanti Township.

CHART 8: CRASHES INVOLVING ALCOHOL BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Alcohol

TABLE 16: TRAFFIC CRASHES INVOLVING ALCOHOL BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	79	1	6	1	6
Barton Hills	0	0	0	0	0
Chelsea	3	0	0	0	0
Dexter	1	0	0	0	0
Manchester	3	0	1	0	1
Milan	2	0	0	0	0
Saline	9	0	0	0	0
Ypsilanti	27	0	2	0	2
TOTAL	124	1	9	1	9
TOWNSHIPS					
Ann Arbor Twp	16	0	1	0	1
Augusta Twp	9	0	0	0	0
Bridgewater Twp	2	1	0	1	0
Dexter Twp	5	1	0	1	0
Freedom Twp	1	0	0	0	0
Lima Twp	4	1	1	1	2
Lodi Twp	1	0	0	0	0
Lyndon Twp	2	0	0	0	0
Manchester Twp	2	0	0	0	0
Northfield Twp	13	0	0	0	0
Pittsfield Twp	25	0	1	0	1
Salem Twp	5	0	0	0	0
Saline Twp	3	0	1	0	1
Scio Twp	17	0	1	0	1
Sharon Twp	1	0	0	0	0
Superior Twp	12	2	1	4	3
Sylvan Twp	6	0	1	0	1
Webster Twp	4	0	0	0	0
York Twp	5	0	1	0	1
Ypsilanti Twp	50	1	7	1	9
TOTAL	183	6	15	8	20
WASHTENAW COUNTY	307	7	24	9	29

Crashes Involving Drugs

TABLE 17: TRAFFIC CRASHES INVOLVING DRUGS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	121	103	114	82	115	
FATAL CRASHES	8	5	15	5	4	
SERIOUS INJURY CRASHES	7	11	16	8	13	

* Michigan voted to legalize recreational marijuana use in late 2018.

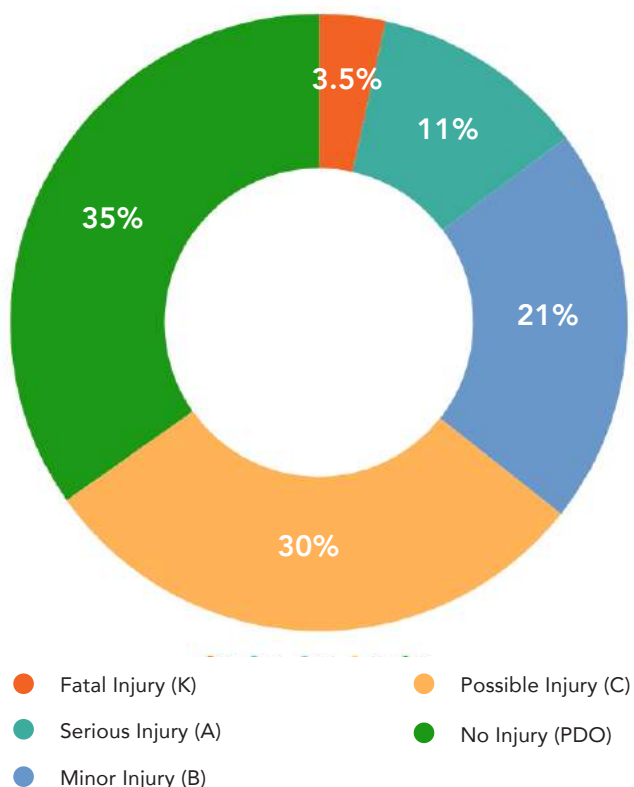
35% of All Crashes Involving Drugs Were Injury Crashes (2019)

Responding officers indicate if drivers involved in crashes used or were suspected to have used drugs.

Key Observations

- There were 115 crashes involving drugs in 2019, up 28% from 82 crashes in 2018 and up 7% from the previous five year average.
- In 2019, crashes involving drugs accounted for 1% of all crashes, 16% of fatal crashes, and 10% of serious injury crashes in Washtenaw County.
- 15% of crashes involving drugs were fatal or serious injury crashes.

CHART 9: CRASHES INVOLVING DRUGS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Drugs




TABLE 18: TRAFFIC CRASHES INVOLVING DRUGS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	29	1	3	1	3
Barton Hills	0	0	0	0	0
Chelsea	0	0	0	0	0
Dexter	1	0	0	0	0
Manchester	0	0	0	0	0
Milan	0	0	0	0	0
Saline	4	0	1	0	1
Ypsilanti	11	0	0	0	0
TOTAL	45	1	4	1	4
TOWNSHIPS					
Ann Arbor Twp	6	0	0	0	0
Augusta Twp	2	0	0	0	0
Bridgewater Twp	0	0	0	0	0
Dexter Twp	0	0	0	0	0
Freedom Twp	1	0	0	0	0
Lima Twp	2	1	1	1	2
Lodi Twp	1	0	0	0	0
Lyndon Twp	0	0	0	0	0
Manchester Twp	0	0	0	0	0
Northfield Twp	4	0	1	0	1
Pittsfield Twp	15	1	0	1	0
Salem Twp	0	0	0	0	0
Saline Twp	0	0	0	0	0
Scio Twp	2	0	0	0	0
Sharon Twp	0	0	0	0	0
Superior Twp	6	0	1	0	1
Sylvan Twp	5	0	3	0	3
Webster Twp	0	0	0	0	0
York Twp	5	0	2	0	2
Ypsilanti Twp	21	1	1	1	2
TOTAL	70	3	9	3	11
WASHTENAW COUNTY	115	4	13	4	15

Crashes Involving Deer

There were 1,106 crashes involving deer in 2019. Of the deer crashes, 1,088 were single motor vehicle crashes, which accounts for 36% of all single-vehicle crashes.

TABLE 19: TRAFFIC CRASHES INVOLVING DEER FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,062	961	962	1,003	1,106	
FATAL CRASHES	0	0	1	0	0	
SERIOUS INJURY CRASHES	1	0	2	1	2	

36% of Single Motor Vehicle Crashes Involved Deer (2019)



Crashes Involving Deer

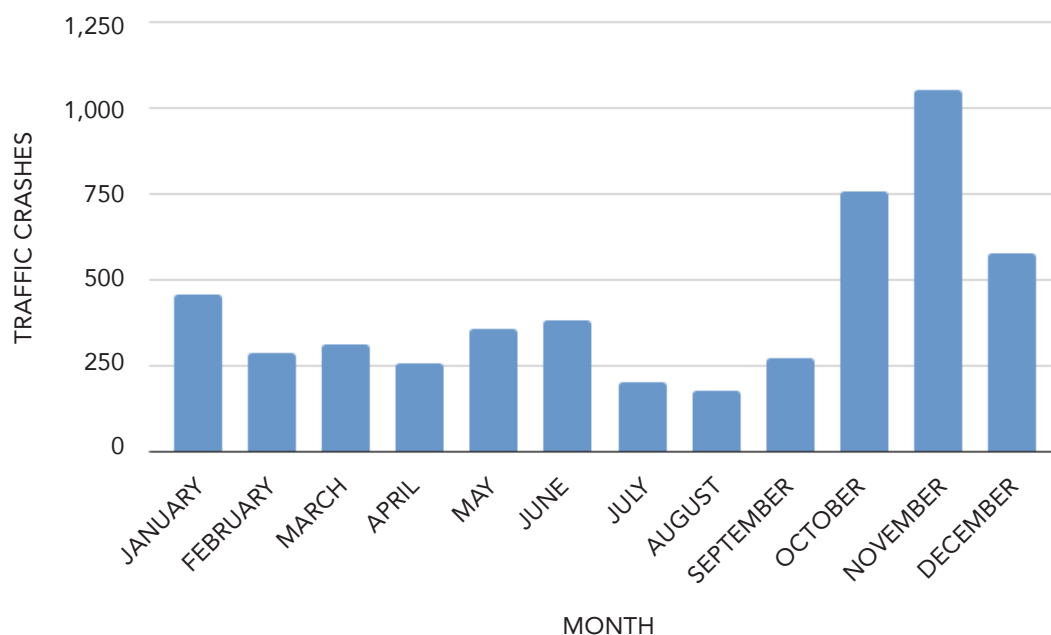
TABLE 20: TRAFFIC CRASHES INVOLVING DEER BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	50	0	0	0	0
Barton Hills	4	0	0	0	0
Chelsea	18	0	0	0	0
Dexter	7	0	0	0	0
Manchester	5	0	0	0	0
Milan	1	0	0	0	0
Saline	21	0	0	0	0
Ypsilanti	5	0	0	0	0
TOTAL	111	0	0	0	0
TOWNSHIPS					
Ann Arbor Twp	67	0	1	0	1
Augusta Twp	12	0	0	0	0
Bridgewater Twp	35	0	0	0	0
Dexter Twp	59	0	0	0	0
Freedom Twp	16	0	0	0	0
Lima Twp	53	0	0	0	0
Lodi Twp	38	0	0	0	0
Lyndon Twp	39	0	0	0	0
Manchester Twp	38	0	0	0	0
Northfield Twp	60	0	0	0	0
Pittsfield Twp	67	0	0	0	0
Salem Twp	51	0	0	0	0
Saline Twp	21	0	0	0	0
Scio Twp	119	0	1	0	1
Sharon Twp	28	0	0	0	0
Superior Twp	81	0	0	0	0
Sylvan Twp	68	0	0	0	0
Webster Twp	59	0	0	0	0
York Twp	42	0	0	0	0
Ypsilanti Twp	42	0	0	0	0
TOTAL	995	0	2	0	2
WASHTENAW COUNTY	1,106	0	2	0	2

Crashes Involving Deer

The distribution of deer crashes does not occur evenly throughout the year. The frequency of deer crashes rises significantly during the fall months and at dawn and dusk hours.

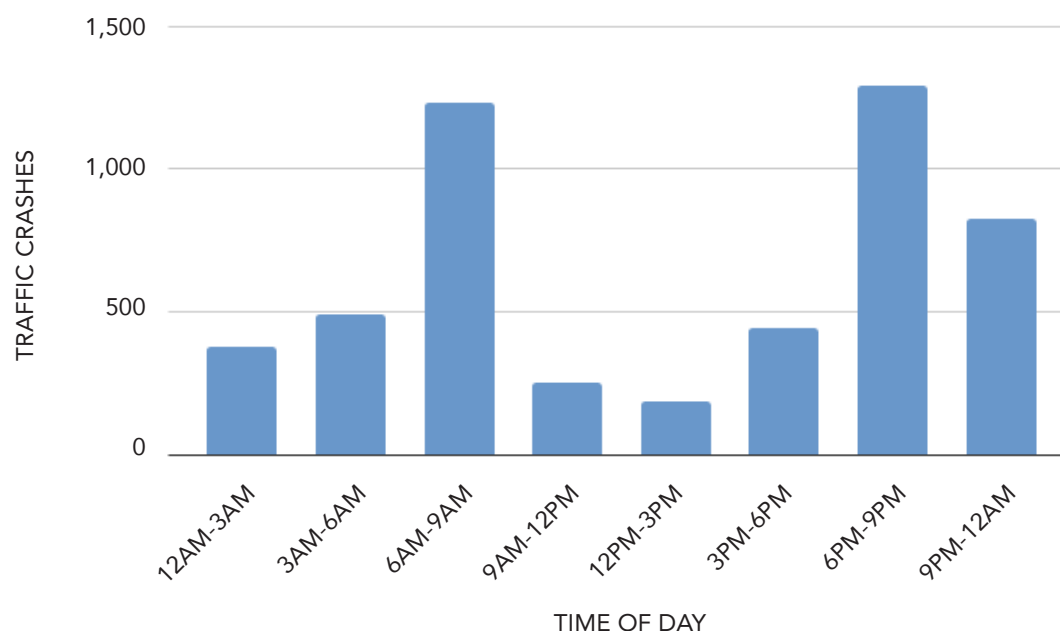
CHART 10: TRAFFIC CRASHES INVOLVING DEER BY MONTH FOR WASHTENAW COUNTY (2015-2019)



More than 35% of annual deer crashes occurred during the months of October and November.

20% of Deer Crashes Occured in November (2015-2019)

CHART 11: TRAFFIC CRASHES INVOLVING DEER BY TIME OF DAY FOR WASHTENAW COUNTY (2015-2019)



More than 49% of annual deer crashes occurred during the times of 6-9am and 6-9pm.

Crashes Involving Speeding Too Fast

TABLE 21: TRAFFIC CRASHES INVOLVING SPEEDING TOO FAST FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

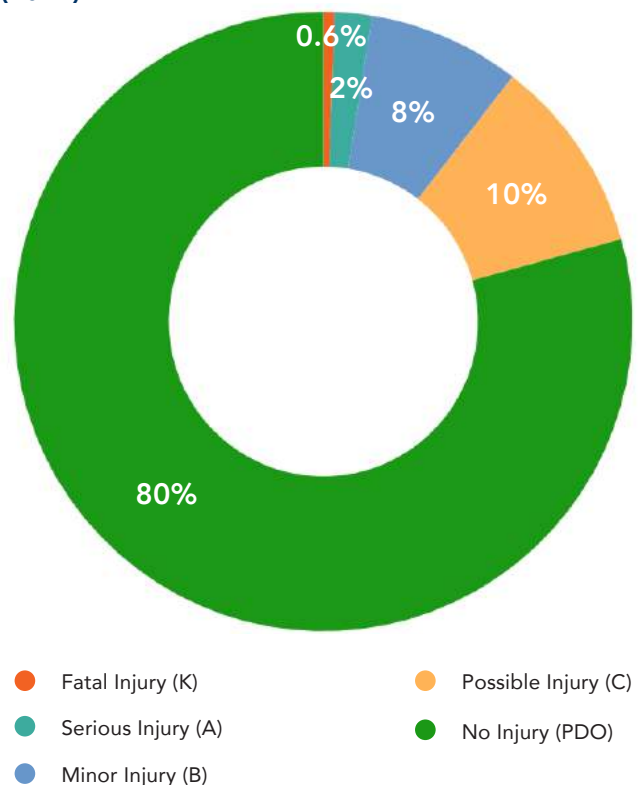
	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,110	1,003	1,133	1,141	1,183	
FATAL CRASHES	8	4	5	2	5	
SERIOUS INJURY CRASHES	20	22	17	16	22	

20% of Fatal Crashes Involved Speeding Too Fast (2019)

Key Observations

- In 2019, crashes involving speeding too fast were up 6% from from the previous five year average.
- In 2019, fatal and serious injury crashes involving speeding too fast increased 33% from 18 in 2018 to 27 in 2019.
- Speeding too fast was involved in 10% of all crashes, 20% of all fatal crashes, and 17% of all serious injury crashes in Washtenaw County.
- The City of Ann Arbor, Ann Arbor Township, and Pittsfield Township had the most crashes involving speeding too fast.

CHART 12: CRASHES INVOLVING SPEEDING TOO FAST BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Speeding Too Fast

TABLE 22: TRAFFIC CRASHES INVOLVING SPEEDING TOO FAST BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	228	1	5	1	5
Barton Hills	3	0	0	0	0
Chelsea	10	0	0	0	0
Dexter	2	0	0	0	0
Manchester	3	0	1	0	1
Milan	3	0	0	0	0
Saline	4	0	1	0	2
Ypsilanti	37	0	2	0	2
TOTAL	290	1	9	1	10
TOWNSHIPS					
Ann Arbor Twp	142	1	1	1	1
Augusta Twp	18	0	0	0	0
Bridgewater Twp	13	0	0	0	0
Dexter Twp	33	1	0	1	0
Freedom Twp	7	0	0	0	0
Lima Twp	43	1	0	1	0
Lodi Twp	13	0	0	0	0
Lyndon Twp	10	0	0	0	0
Manchester Twp	6	0	0	0	0
Northfield Twp	52	1	0	1	0
Pittsfield Twp	134	0	4	0	4
Salem Twp	32	0	0	0	0
Saline Twp	11	0	2	0	2
Scio Twp	71	0	0	0	0
Sharon Twp	5	0	0	0	0
Superior Twp	59	0	0	0	0
Sylvan Twp	54	0	3	0	3
Webster Twp	14	0	0	0	0
York Twp	58	0	0	0	0
Ypsilanti Twp	118	0	3	0	4
TOTAL	893	4	13	4	14
WASHTENAW COUNTY	1,183	5	22	5	24

Crashes Involving Older Drivers

TABLE 23: TRAFFIC CRASHES INVOLVING OLDER DRIVERS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	1,584	1,707	1,723	1,747	1,923	
FATAL CRASHES	6	4	10	6	8	
SERIOUS INJURY CRASHES	19	17	24	31	26	

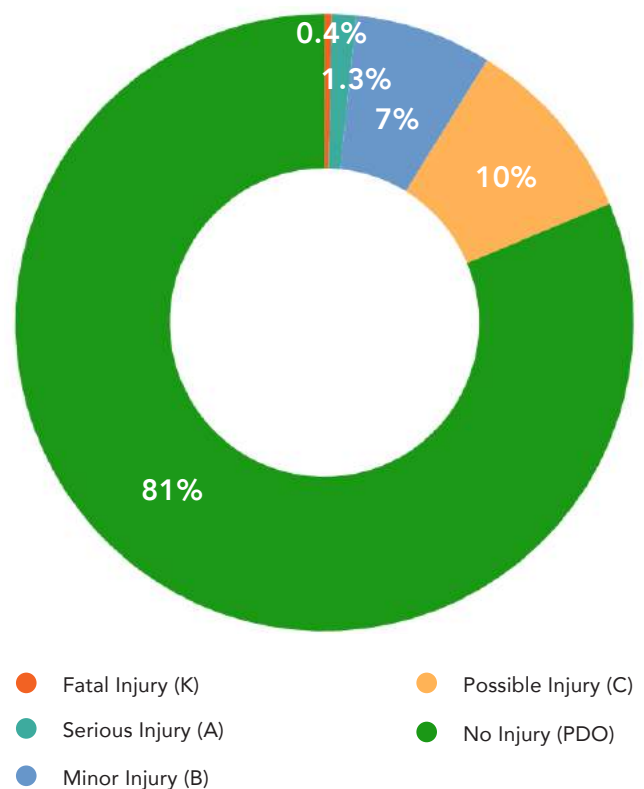
33% of Fatal Crashes Involved Older Drivers (2019)

Crashes involving older drivers are defined as those with drivers age 65 and older. As Washtenaw County’s population continues to age, more drivers are expected to be included in the Older Drivers category than ever before, and the share of crashes involving older drivers is also likely to increase.

Key Observations

- Crashes involving older drivers were up 9% from 1,747 in 2018 to 1,923 in 2019.
- Although the total number of crashes increased, the number of fatal and serious injury crashes involving older drivers declined 8% from 37 in 2018 to 34 in 2019.
- In 2019, crashes involving older drivers represented 17% of all crashes, 33% of all fatal crashes, and 20% of all serious injury crashes in Washtenaw County.

CHART 13: CRASHES INVOLVING OLDER DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Older Drivers

TABLE 24: TRAFFIC CRASHES INVOLVING OLDER DRIVERS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	697	1	3	1	3
Barton Hills	0	0	0	0	0
Chelsea	42	0	0	0	0
Dexter	19	0	0	0	0
Manchester	4	0	0	0	0
Milan	10	0	0	0	0
Saline	41	0	2	0	3
Ypsilanti	113	0	2	0	3
TOTAL	926	1	7	1	9
TOWNSHIPS					
Ann Arbor Twp	98	0	3	0	4
Augusta Twp	9	0	0	0	0
Bridgewater Twp	10	1	0	1	0
Dexter Twp	19	0	0	0	0
Freedom Twp	7	0	0	0	0
Lima Twp	23	1	2	1	2
Lodi Twp	17	1	0	1	0
Lyndon Twp	9	1	0	1	0
Manchester Twp	9	0	1	0	1
Northfield Twp	34	0	2	0	2
Pittsfield Twp	232	0	4	0	5
Salem Twp	31	0	1	0	1
Saline Twp	6	0	0	0	0
Scio Twp	136	0	2	0	2
Sharon Twp	11	0	1	0	1
Superior Twp	57	0	0	0	0
Sylvan Twp	30	2	1	2	1
Webster Twp	17	0	0	0	0
York Twp	47	1	1	1	1
Ypsilanti Twp	195	0	1	0	1
TOTAL	997	7	19	7	21
WASHTENAW COUNTY	1,923	8	26	8	30

Crashes Involving Young Drivers

TABLE 25: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
CRASHES	4,027	4,368	4,164	3,831	3,816	
FATAL CRASHES	8	5	12	5	6	
SERIOUS INJURY CRASHES	24	48	59	46	36	

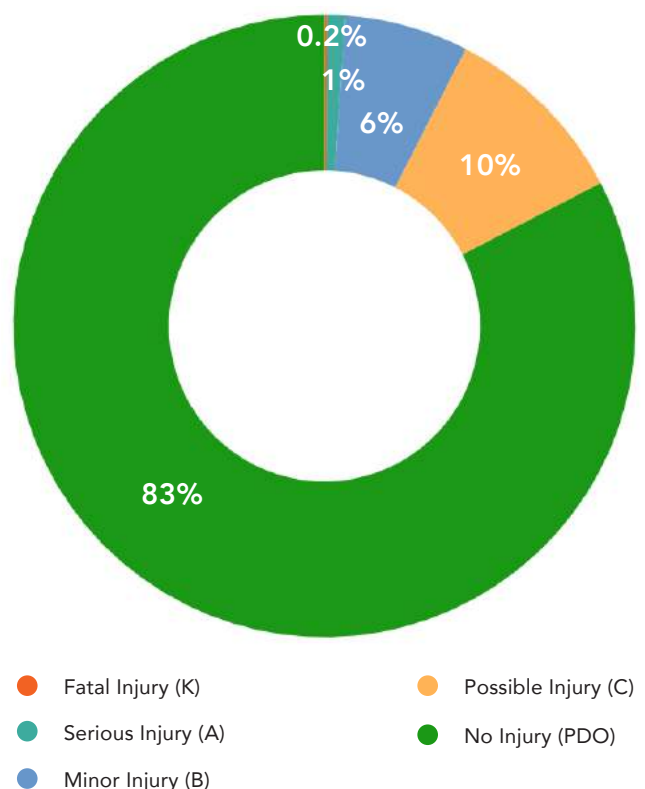
34% of Crashes Involved Young Drivers (2019)

Crashes involving young drivers are defined as those with drivers age 16-24 years old. As the number of people age 15-24 in Washtenaw County is expected to decline over the next 25 years, the share of crashes involving young drivers is also likely to drop.

Key Observations

- In 2019, crashes involving young drivers were down 5.5% from the previous five year average.
- The number of fatal and serious injury crashes involving young drivers declined 17% from 51 in 2018 to 42 in 2019.
- In 2019, crashes involving young drivers represented 34% of all crashes, 25% of all fatal crashes, and 27% of all serious injury crashes in Washtenaw County.

CHART 14: CRASHES INVOLVING YOUNG DRIVERS BY SEVERITY FOR WASHTENAW COUNTY (2019)



Crashes Involving Young Drivers

TABLE 26: TRAFFIC CRASHES INVOLVING YOUNG DRIVERS BY MUNICIPALITY (2019)

COMMUNITY	CRASHES			PERSONS	
	CRASHES	FATAL CRASHES	SERIOUS INJURY CRASHES	FATALITIES	SERIOUS INJURIES
CITIES AND VILLAGES					
Ann Arbor	1,312	1	10	1	10
Barton Hills	1	0	0	0	0
Chelsea	44	0	0	0	0
Dexter	24	0	0	0	0
Manchester	11	0	0	0	0
Milan	9	0	0	0	0
Saline	69	0	0	0	0
Ypsilanti	364	0	2	0	3
TOTAL	1,834	1	12	1	13
TOWNSHIPS					
Ann Arbor Twp	252	0	4	0	5
Augusta Twp	28	0	1	0	3
Bridgewater Twp	10	0	0	0	0
Dexter Twp	33	0	0	0	0
Freedom Twp	6	0	0	0	0
Lima Twp	43	0	2	0	3
Lodi Twp	31	0	0	0	0
Lyndon Twp	20	0	0	0	0
Manchester Twp	11	0	0	0	0
Northfield Twp	65	1	1	1	1
Pittsfield Twp	495	1	3	1	3
Salem Twp	57	0	1	0	3
Saline Twp	14	0	0	0	0
Scio Twp	136	1	0	1	0
Sharon Twp	10	0	0	0	0
Superior Twp	134	3	1	6	1
Sylvan Twp	53	0	1	0	1
Webster Twp	31	0	0	0	0
York Twp	83	0	1	0	1
Ypsilanti Twp	470	0	9	0	10
TOTAL	1,982	6	24	9	31
WASHTENAW COUNTY	3,816	7	36	10	44

Vehicle Types

TABLE 27: TRAFFIC CRASHES AND VEHICLE TYPE FOR WASHTENAW COUNTY (2015-2019 5-YR TREND)

	2015	2016	2017	2018	2019	5-YR TREND
PASSENGER CAR, SUV, VAN	10,011	10,906	10,709	10,399	10,642	
MOTORCYCLE	108	97	91	70	100	
PICKUP TRUCK	1,458	1,611	1,486	1,460	1,421	
SMALL TRUCK	194	189	111	93	67	
LARGE TRUCK/BUS	521	573	638	669	687	
OTHER / UNKNOWN	466	568	477	437	488	

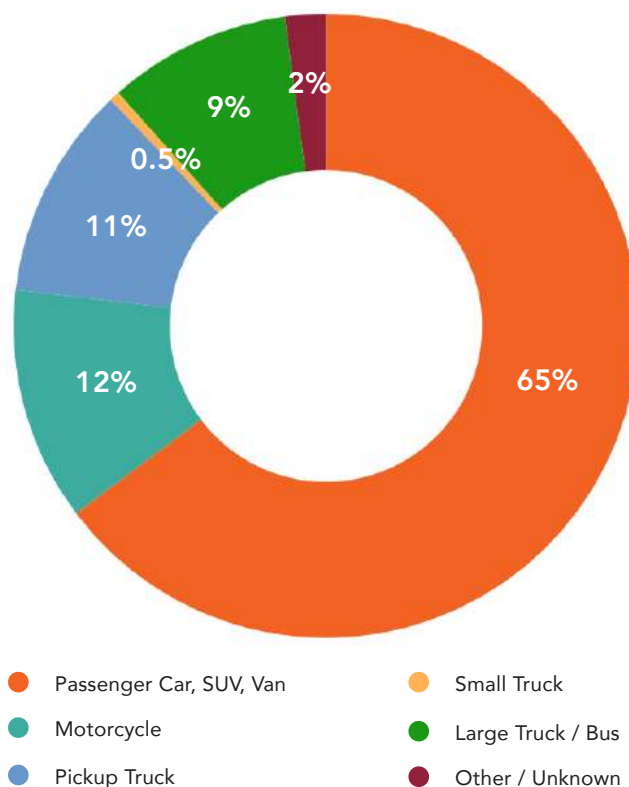
75% of Motorcyclists Involved in Crashes Were Injured (2019)

Vehicles are reported as unknown when the second vehicle in a crash is likely a hit and run. Note there are more total vehicles than crashes.

Key Observations

- Passenger cars, SUVs, and vans represent the majority (79%) of vehicles involved in crashes and the majority (65%) of fatal and serious injury crashes in Washtenaw County.
- In 2019, there were 100 motorcycle crashes in Washtenaw County, with 7 fatalities and 34 serious injuries.
- Motorcycle crashes make up only 0.8% of total crashes but were involved in 12% of fatal and serious injury crashes.

CHART 15: FATALITIES AND SERIOUS INJURIES BY VEHICLE TYPE FOR WASHTENAW COUNTY (2019)



Vehicle Types

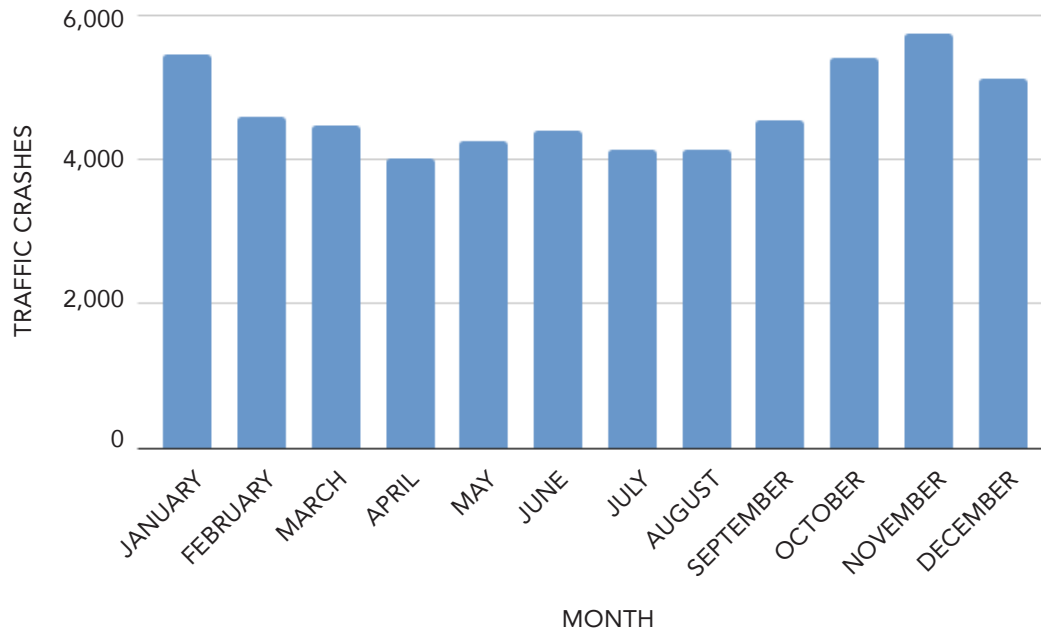
TABLE 28: TRAFFIC CRASHES AND VEHICLE TYPE BY MUNICIPALITY (2019)

COMMUNITY	PASSENGER CAR, SUV, VAN	MOTORCYCLE	PICKUP TRUCK	SMALL TRUCK	LARGE TRUCK/BUS	OTHER / UNKNOWN
CITIES AND VILLAGES						
Ann Arbor	3,539	23	302	20	242	253
Barton Hills	9	0	1	0	1	0
Chelsea	135	2	29	0	9	4
Dexter	77	1	22	0	7	3
Manchester	24	0	7	0	2	0
Milan	37	1	6	0	8	8
Saline	189	0	39	4	12	12
Ypsilanti	816	6	64	9	26	60
TOTAL	4,826	33	470	33	307	340
TOWNSHIPS						
Ann Arbor Twp	681	10	111	3	58	17
Augusta Twp	76	1	14	0	2	5
Bridgewater Twp	49	0	13	0	4	0
Dexter Twp	99	8	27	0	1	3
Freedom Twp	29	1	5	0	1	1
Lima Twp	155	2	21	2	15	5
Lodi Twp	99	1	22	0	3	2
Lyndon Twp	60	1	17	0	1	1
Manchester Twp	58	0	12	0	2	2
Northfield Twp	224	4	51	2	23	11
Pittsfield Twp	1,349	9	161	8	94	46
Salem Twp	172	1	42	1	7	7
Saline Twp	43	0	15	0	2	2
Scio Twp	528	5	97	9	44	18
Sharon Twp	45	0	13	2	2	1
Superior Twp	409	0	66	1	16	13
Sylvan Twp	187	1	33	2	18	9
Webster Twp	115	1	22	0	0	1
York Twp	232	3	44	0	24	5
Ypsilanti Twp	1,206	19	165	4	63	48
TOTAL	5816	67	951	34	380	197
WASHTENAW COUNTY	10642	100	1421	67	687	537

Temporal Variation in Crash Frequency

The distribution of traffic crashes does not occur evenly throughout the year. The frequency of crashes increases in winter months and declines during spring and summer months. Crashes also rise significantly on weekdays and during peak travel times.

CHART 16: TRAFFIC CRASHES BY MONTH FOR WASHTENAW COUNTY (2015-2019)

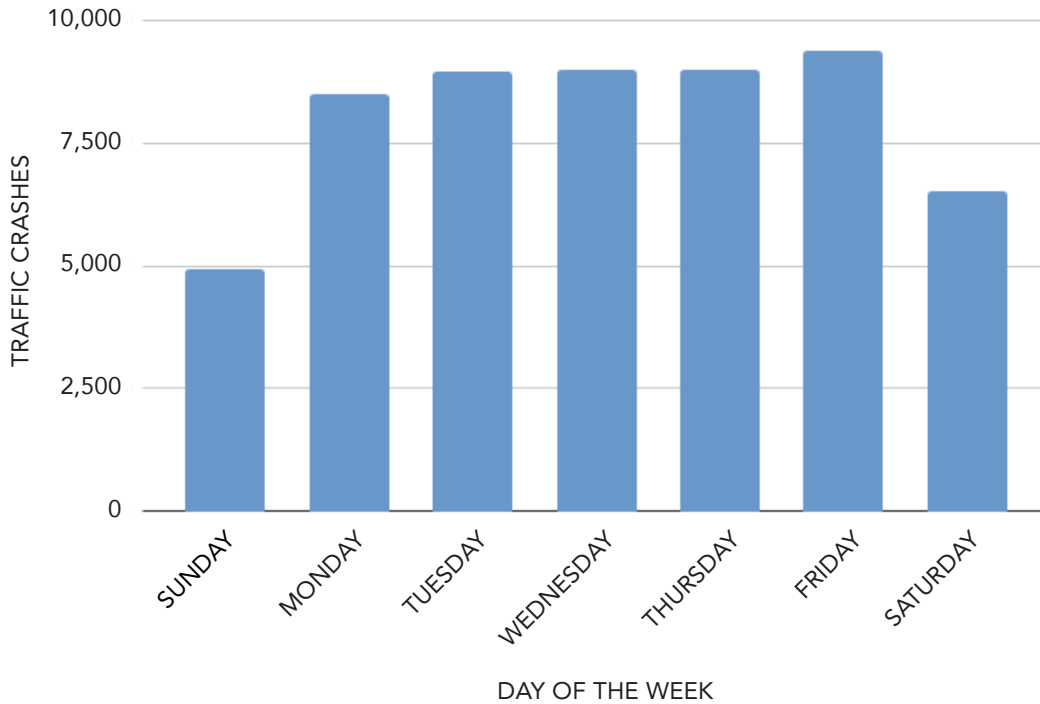


Total crashes increased from October to January and declined in April and August. The majority of fatal crashes occurred in the month of July.



Temporal Variation in Crash Frequency

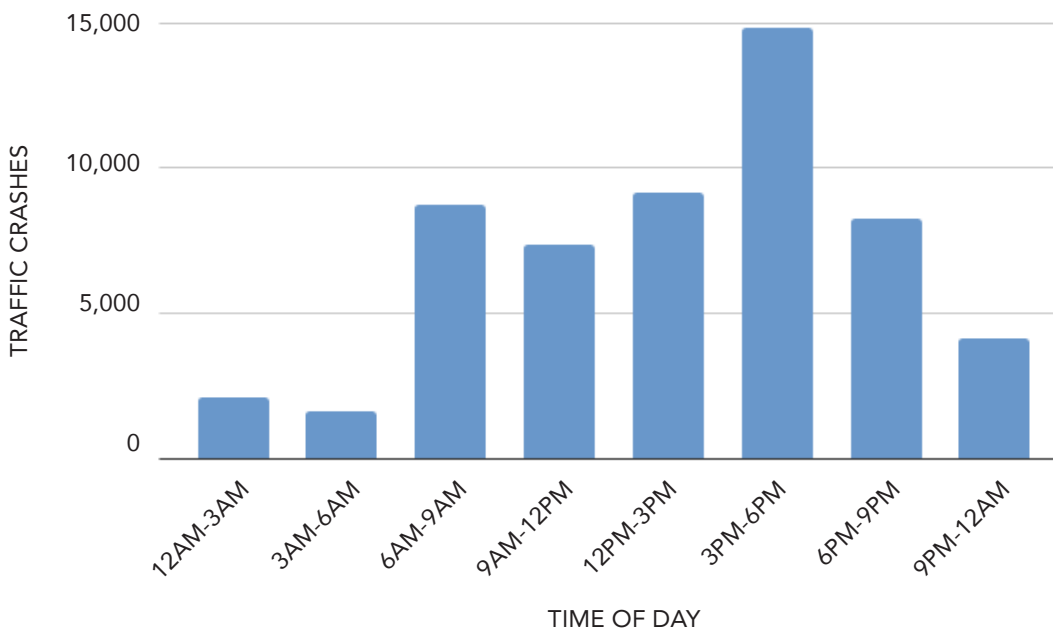
CHART 17: TRAFFIC CRASHES BY DAY OF THE WEEK FOR WASHTENAW COUNTY (2015-2019)



Total crashes increase during weekdays when more vehicles are on the road.

26% of All Crashes Occured Between 3PM-6PM (2015-2019)

CHART 18: TRAFFIC CRASHES BY TIME OF DAY FOR WASHTENAW COUNTY (2015-2019)



Total crashes increase significantly during the evening peak travel times between 3-6pm.

Additional Resources

This report offers only aggregate data themed by agency, community, crash type, or other factors, but users can request more detailed information. Two primary resources used for this report are:

- For information on specific crash factors or locations, refer to the Crash Facts website at <http://www.michigantrafficcrashfacts.org/>. Use the Data Query tool for maps and crash reports. This website has crash information for every municipality and county in Michigan.
- SEMCOG maintains a searchable database of crashes in Southeastern Michigan with location and factor data at <http://www.semco.org/Data/Apps/crash.cfm>.

WATS provides assistance obtaining crash data upon request. Please contact Emily Lake, Associate Transportation Planner, at lakee@miwats.org or (734) 994-3127. Users may send written requests to the WATS office at 200 N. Main, Ann Arbor, MI 48104 or wats@miwats.org.

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