2024 TRANSPORTATION SYSTEM PERFORMANCE INDICATORS Sheboygan Metropolitan Planning Organization



January 2025



Prepared by:

Bay-Lake Regional Planning Commission

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2024 Update by:

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The contents of this report reflect the views of the Bay-Lake Regional Planning Commission, which is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views and policies of the U.S. Department of Transportation. This report does not constitute a standard, specification, or regulation.

Contents

Introduction and Purpose4
Overview of Sheboygan MPO • Population • Employment • Housing
 Housing Impact of Transportation on the Environment
Safety and Security on Roadways (PM1)
Transportation Infrastructure (PM2) • Bridge Conditions • Pavement Conditions • Culvert Conditions
Transportation System Reliability (PM3)19
Safety, Accessibility and Efficiency of Transit Service
 Fixed Route Transit Provider Accessibility and Mobility Transit Safety & Crashes Transit Routes and Service Area Efficient Management and Operations Buses at or Past Replacement Age System Safety and Reliability Private Transportation Services Intercity Bus Lines Active Transportation
Accessibility and Mobility
Air Traffic30
Freight 32

Introduction and Purpose

Key Findings of the Report

Positive Trends

- Decrease in percentage of population driving to work alone.
- Increase in usage of park and ride lots.
- Decrease in number of morotized fatalities.
- Steadiness in travel time reliability (100% reliability).
- Decrease in fixed-route and paratransit preventable crashes.
- Increase in annual ridership for both fixed-route and paratransit.
- Decrease in percentage of Shoreline Transit vehicles beyond their useful life.

Negative Trends

- Increase in number of motorized serious injuries.
- Increase in number of nonmotorized fatalities and serious injuries.
- Overall decrease in travel time reliability on non-interstate roads.
- Overall increase in truck travel time reliability.

This report presents a set of system performance indicators and the base data relevant to the indicators. The purpose of the performance indicators is to provide some quantitative evaluation of the ability of the Sheboygan Metropolitan Planning Area to move toward the goals stated in the *Year* 2050 Sheboygan Area Transportation Plan (SATP); (these goals can be found in Chapter 4 of the plan, Mission Statement, Goals and Objectives). At this time, the majority of the indicators are not tied to any specific performance goals, and are only intended as a planning tool. Over time, it will become possible and/or desirable to compile realistic performance goals; however, some experience and trend data will be necessary to develop such quantitative goals. Overall, this report has been prepared to assist the Sheboygan Metropolitan Planning Organization (MPO) with general transportation planning.

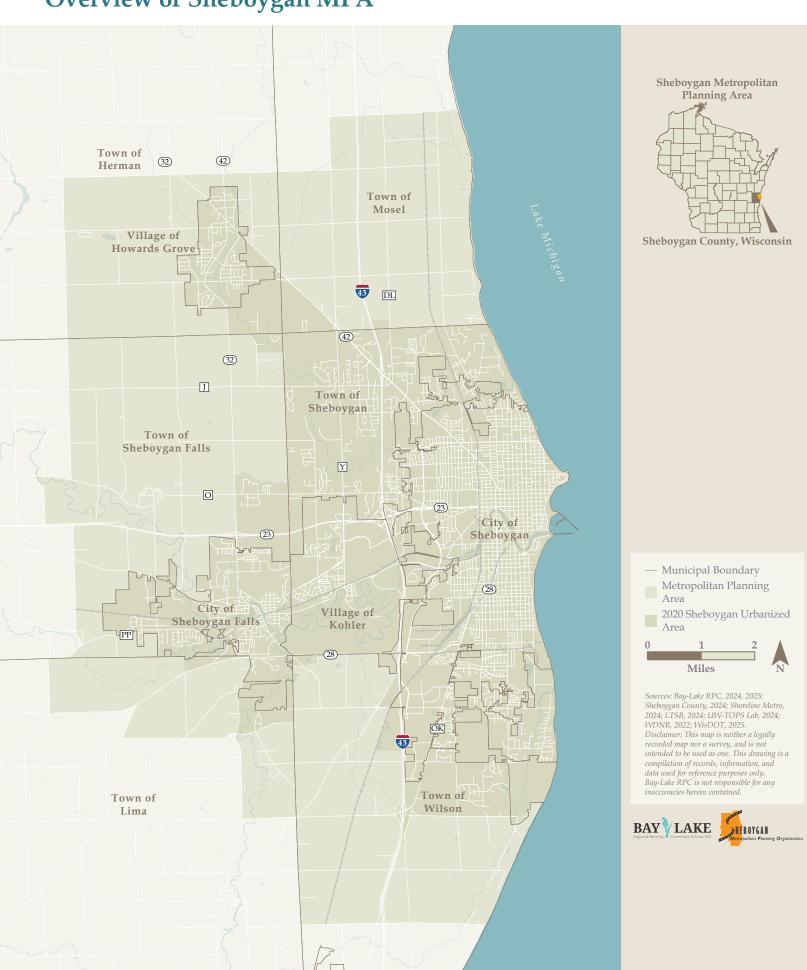
It should be noted that some of the performance indicators in this report were impacted by the COVID-19 pandemic, which started to seriously impact activities across Wisconsin in March 2020.

About the Sheboygan MPO

The Sheboygan Metropolitan Planning Organization (MPO) is the policy board created and designed to carry out the area's metropolitan transportation planning process in the Sheboygan Metropolitan Planning Area (MPA). MPA boundaries are the official jurisdiction of the MPOs. These boundaries define the extent of the expected growth for the metropolitan area during the next 20 years, and comprise the area within which the MPO will conduct transportation planning activities over the next 10 years—until the next decennial census. The MPA boundary must include the entire area within the Adjusted Urbanized Area (UZA) boundary. The UZA boundary are adjusted every 10 years, following the release of decennial census data.

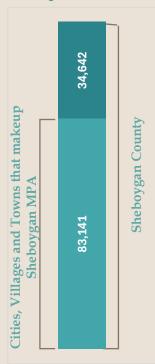
The Sheboygan MPO consists of 10 communities: the Cities of Sheboygan and Sheboygan Falls; the Villages of Kohler and Howards Grove; and the Town of Sheboygan which are completely within the Sheboygan MPA boundary, whereas the towns of Herman, Lima, Mosel, Sheboygan Falls, and Wilson are only partially within the Sheboygan MPA boundary. Some of the information within this report contains data for the entire communities, not just the portions within the MPA.

Overview of Sheboygan MPA



Overview of the Sheboygan MPO

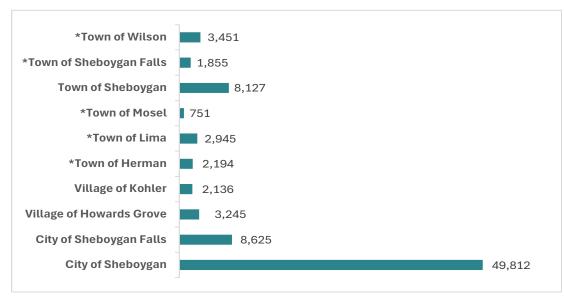
Population



Population

In 2023, the estimated population of Sheboygan County was 117,783. The Sheboygan Metropolitan Planning Area (MPA) consists of 31,162 acres and the population within the 10 communities of the MPA was 83,141.

Sheboygan Metropolitan Planning Area Municipalities Population Estimates, 2023



Source: US Census, American Community Survey (ACS) 2023 estimates

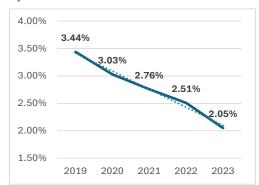
Employment

Unemployment Rate (2023) 2.05%



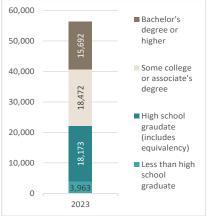
The 10 communities of the Sheboygan MPA had an average annual labor force of 44,183 in 2023. Of these, 43,407 were employed. The unemployment rate for the MPA in 2023 was 2.05% (905 persons).

Unemployment Rate for the Sheboygan MPA by Year



Source: U.S. Bureau of Labor Statistics, Local Area Unemployment Statistics (Labor force and employment estimates by municipality, 2019-2023)

Education Attainment



Source: US Census, American Community Survey (ACS), persons age 25+ (2023), Sheboygan County

^{*}Please note that the towns of Mosel, Lima, Sheboygan Falls, Herman and Wilson are only partially within the Sheboygan MPA boundary.

Housing

The US Census estimated that there were 37,008 housing units in the 10 communities of the Sheboygan MPA in 2023, of which 35,243 units were occupied and 1,765 were vacant.

Sheboygan MPA Housing Units Estimates



Source: WDOA, Demographic Service Center, 2023

Sheboygan Metropolitan Planning Area Municipalities: Housing Unit Additions and Deletions: 2023

Jurisdiction	Added Housing Units	Deleted Housing Units	Net Change in Housing Units
City of Sheboygan	176	17	159
		17	
City of Sheboygan Falls	14	2	12
Village of Howards Grove	3	0	3
Village of Kohler	21	0	21
Town of Herman	2	0	2
Town of Lima	7	1	6
Town of Mosel	4	1	3
Town of Sheboygan	15	0	15
Town of Sheboygan Falls	7	0	7
Town of Wilson	0	0	0
Total	249	21	228

Source: WDOA, Demographic Services Center, Housing Unit Additions and Deletions for Wisconsin Minor Civil Divisions, 2023

Sheboygan MPA





35,243 (95.23%)



1,765 (4.77%)

Source: US Census, 2019-2023 American Community Survey

Net Change in Housing Units by Year in Communities of the Sheboygan MPA (2023)

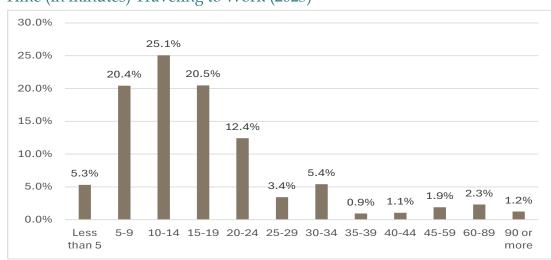


Impact of Transportation on the Environment

Modes of Transportation to work in Sheboygan County

A bit over 50% of the Sheboygan County's total population is over 16 years and considered workforce population. In 2023, 50.8% of the population commuted to work in less than 15 minutes and 36.3% commuted in 15-30 minutes.

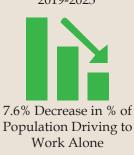
Time (in minutes) Traveling to Work (2023)



Decrease in % of Population Driving to Work Alone

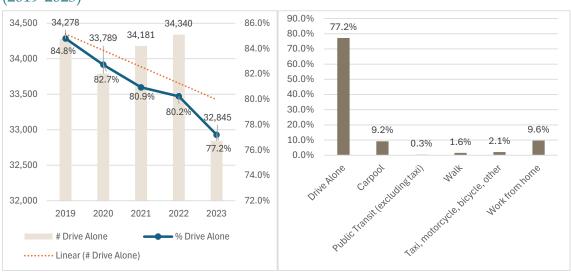
DESIRED TREND

ACTUAL TREND 2019-2023



Persons Driving Alone to Work (2019-2023)

Means of Transportation to Work (2023)



The number of people driving alone saw a decrease between 2019 and 2023, additionally, the percentage of the workforce driving alone to work has decreased by about 7.6% during the same period. The second largest change has been people working from home, which went from 3.1% of the workforce in 2019 to 9.6% of the workforce in 2023. This change could likely be due to the COVID-19 Pandemic, which caused companies to embrace work from home envionrments.

Source: US Census, ACS, 5-Year estimates, 2019 - 2023

Park-and-Ride Lots

Park-and-ride lots are provided for people who want to carpool to work or any other places. Increased use of park-and-ride lots indicates more people are carpooling or opting for alternate mode of transport which in turn reduces the impact of transportation on the environment. There are total of three lots in Sheboygan County, of which two park-and-ride lots are located within the Sheboygan MPA. Average annual usage for the park-and-ride lots are in the table below and monthly use of the park-and-ride lots within the Sheboygan MPA is in the graphs below. Since 2020, usage of park and ride lots within Sheboygan County and MPA have increased.

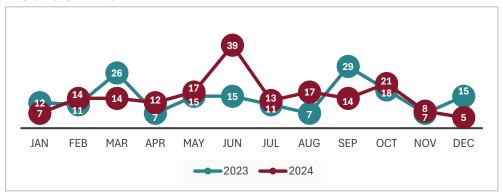


Average annual usage of park and ride lots in Sheboygan County

		Percent of Capasity				
Park & Ride Lot	Capacity	2020	2021	2022	2023	2024
Kohler I-43 & WIS-28	45	26.30%	20.40%	30.60%	32.00%	33.52%
I-43 & CTH V / West						
Frontage Rd	30	13.60%	13.10%	8.30%	15.00%	13.61%
Oostburg: I-43 & CTH-						
AA	30	16.40%	13.30%	13.90%	19.70%	16.67%

DESIRED TREND Increase in Annual Usage

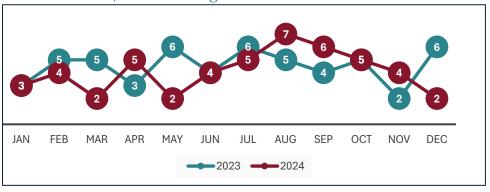
I-43 and STH 28



ACTUAL TREND 2020-2024



I-43 and CTH V/West Frontage Road



ACTUAL TREND 2020-2024



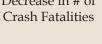
Source: WisDOT Northeast Region office – Park-and-ride capacity and use statistics for 2023 and 2024 (total spaces available per average weekday, spaces occupied per average weekday, and percent in use per average weekday)

Safety and Security on Roadways (PM1)

Roadway Safety & Crashes

DESIRED TREND





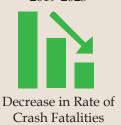
ACTUAL TREND 2019-2023



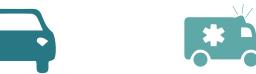
DESIRED TREND



ACTUAL TREND 2019-2023



Sheboygan MPA



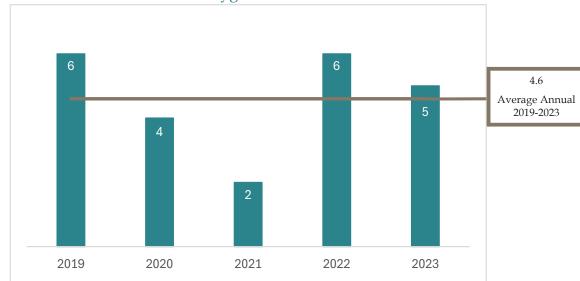
Roadway Miles (2023) Motorist Fatalities (2023) 5



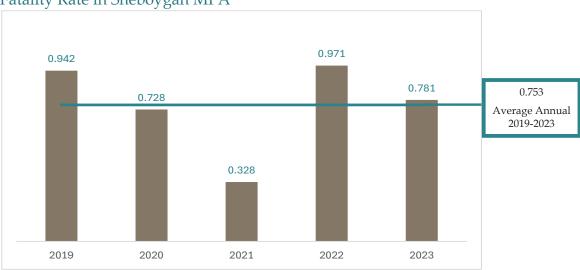
Motorist Serious Injuries (2023) **25**

Motorized Fatalities, 2019 - 2023

Number of Fatalities in Sheboygan MPA



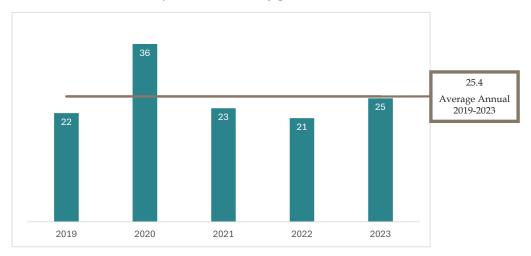
Fatality Rate in Sheboygan MPA



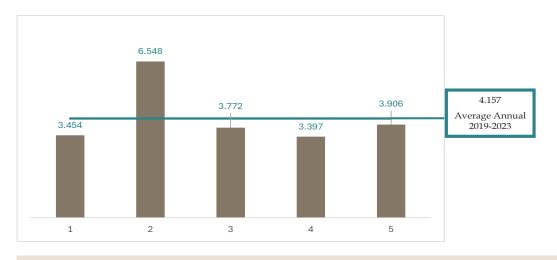
Source: Traffic Operations and Safety Laboratory, University of Wisconsin – Madison; and National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS) Encyclopedia

Motorized Serious Injuries, 2019 - 2023

Number of Serious Injuries in Sheboygan MPA



Serious Injury Rate in Sheboygan MPA



Crashes, 2019 - 2023

Reportable Crashes by Type in Sheboygan MPA

	2019	2020	2021	2022	2023
Total Crashes	1,277	1,540	1,634	1491	1800
Class A (Serious Injury)	19	36	23	21	25
Class B (Moderate Injury)	79	121	122	97	100
Class C (Minor Injury)	87	110	132	97	120
Class K (Fatality) Crashes	6	4	2	6	5
Property Damage Only Crashes	1,086	1,269	1,355	1270	1550

Source: Traffic Operations and Safety Laboratory, University of Wisconsin – Madison; and National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS) Encyclopedia



ACTUAL TREND 2019-2023

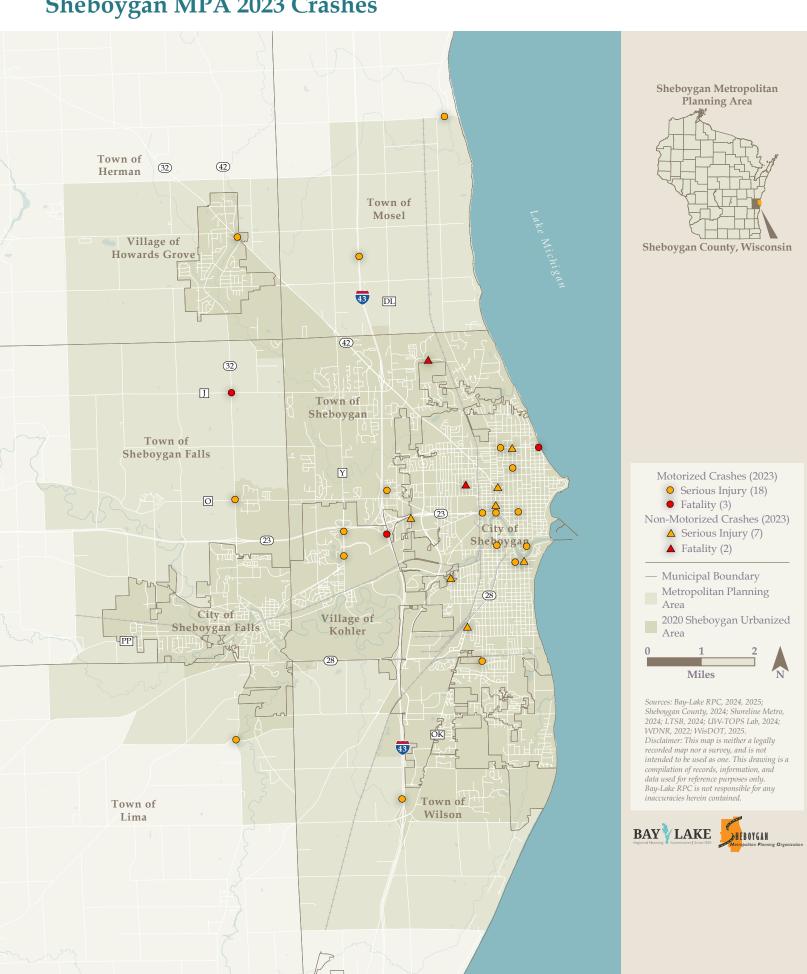




ACTUAL TREND 2019-2023



Sheboygan MPA 2023 Crashes



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Transportation System Preservation (PM2)

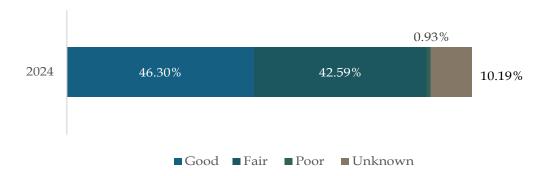
Bridge Conditions

In 2024, the Wisconsin Department of Transportation (WisDOT) began using the National Bridge Inventory (NBI) ratings to assess bridges. Bridges are evaluated based on the condition of their deck area, superstructure, substructure, and culverts, with ratings assigned on a scale from 1 to 9.

A bridge with a rating of 7 or higher is classified as "Good." A bridge with a score between 5 and 6 is classified as "Fair." A bridge with a score of 4 or lower is classified as "Poor."

Bridges with a span over 20 feet have been rated in this report. When determining a bridge's overall rating, WisDOT uses the rating assigned to the deck area. In total, the Sheboygan MPO had 108 bridges eligible for rating. Almost half (46.3%) of the bridges are classified as "good," while 42.59% are rated as "fair," 0.93% as "poor," and 10.19% are classified as "unknown."

Bridge Ratings



Source: WisDOT Bridge Conditions Survey

Pavement Conditions

International Roughness Index (IRI)

In 2024, WisDOT began using the International Roughness Index (IRI) to assess the condition of Interstate and Non-Interstate National Highway System (NHS) roadways. These pavement distress surveys follow guidance from the Highway Performance Monitoring System (HPMS). The IRI assigns ratings on a scale of Good, Fair, and Poor, with the following numerical ranges:

Good = <95

Fair = 95-170

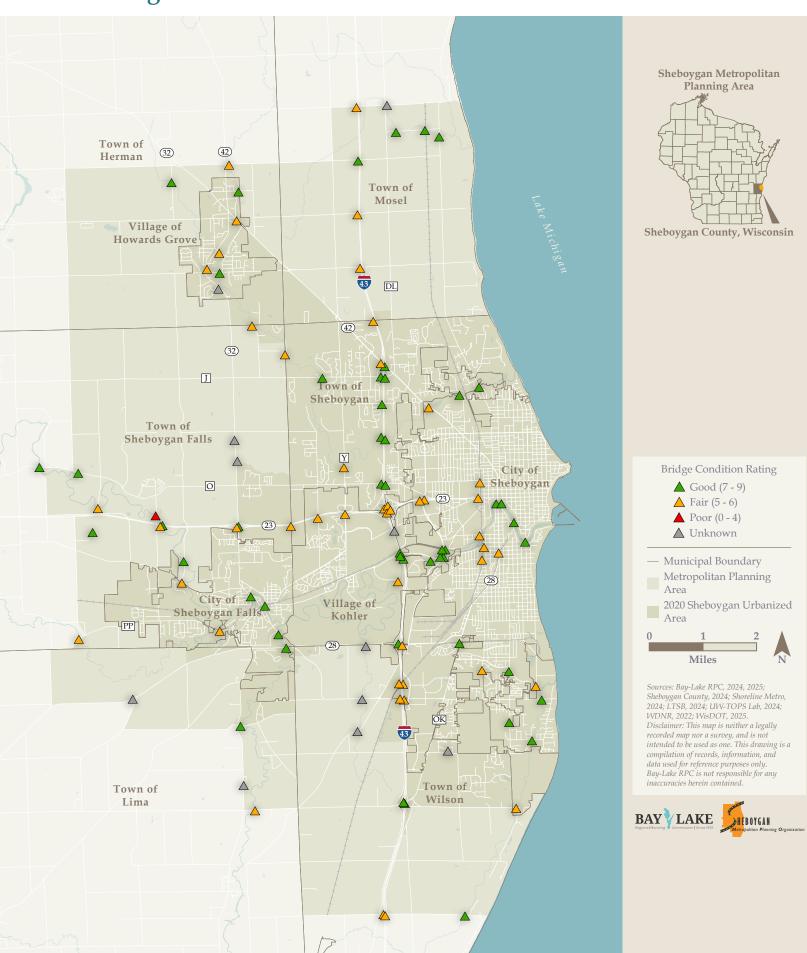
Poor = >170

Because WisDOT now bases pavement distress surveys on guidence from the HPMS field manual, and no longer Pavement Condition Index (PCI) surveys, a trend cannot be determined until the 2025 survey releases.





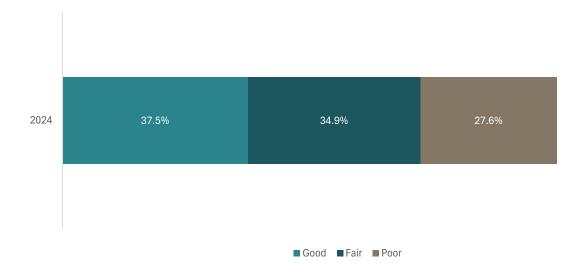
2024 Bridge Conditions



Increase in % of GoodCondition



Pavement Conditions of State Trunk Highways

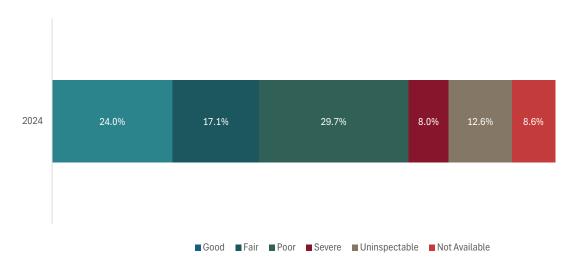


Source: WisDOT, 2024 Pavement Conditions Survey Includes only those that fall within the MPA boundary or on the border of the MPA boundary

Culvert Condition

In 2024, WisDOT introduced a new rating system for culverts. Culverts are now rated on a scale from 1 to 6: a rating of 1 indicates the culvert is in good condition, while a rating of 4 indicates the culvert is in severe condition. Ratings of 5 or 6 denote culverts that are either uninspectable or unavailable, respectively.

Culvert Ratings

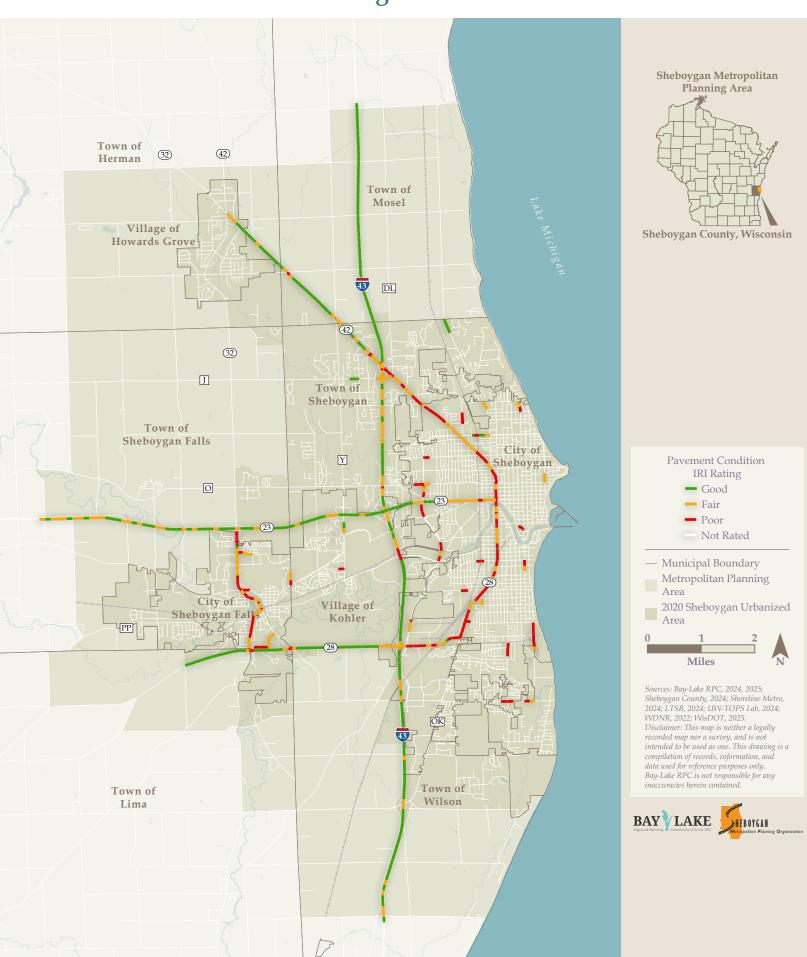


Source: WisDOT, 2024 Culvert Conditions Survey Includes only those that fall within the MPA boundary or on the border of the MPA boundary.

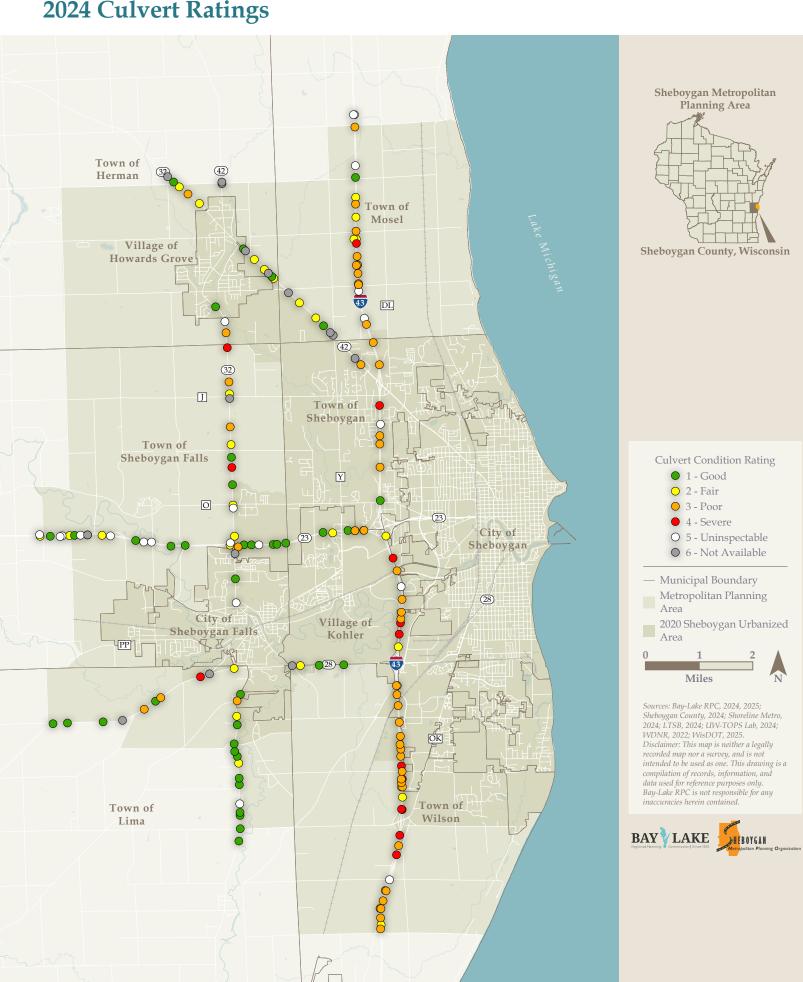
DESIRED TREND Increase in % of New and Good Condition



2024 NHS Pavement IRI Ratings



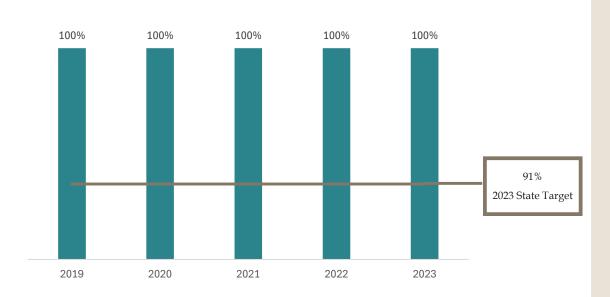
2024 Culvert Ratings



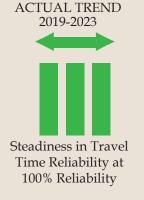
Transportation System Reliability (PM3)

The PM3 performance measures review the travel time reliability on roadways. The first 2 measures review travel time on Interstates and non-Interstate NHS roadways. The 3rd measure looks at truck travel time reliability. The bars show the reliability data for the Sheboygan MPA roadways, and the point shows the state target. The closer to 100%, the greater the reliability.

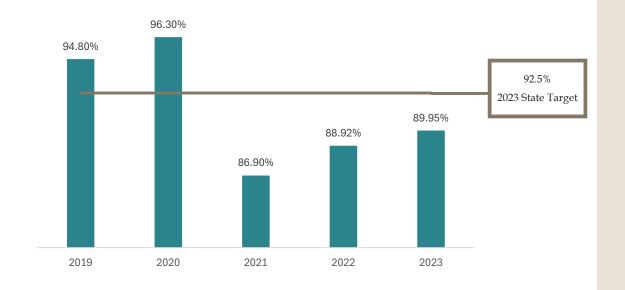
% of Person-Miles Traveled on the Interstate that are Reliable



DESIRED TREND Increasing Travel Time Reliability



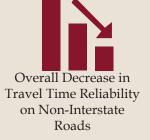
% of Person-Miles Traveled on the non-Interstate NHS road that are Reliable



DESIRED TREND



ACTUAL TREND 2019-2023



Source: University of Wisconsin Madison Traffic Operations and Safety Laboratory; MAP-21 Mobility Performance. Note: State reliability performance targets for NHS roads were not set prior to 2021.

DESIRED TREND

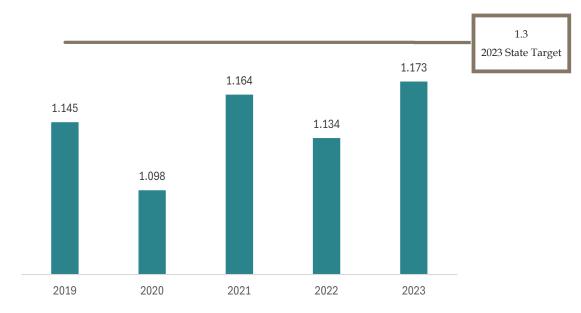
Decreasing Truck

Travel Time Reliability



FHWA defines Level of Truck Travel Time Reliability (LOTTTR) as the percent of truck-miles on the Interstate System that are reliable. An index of 1.0 would indicate a truck trip at peak volume hours would take the same amount of time that the trip would take at free-flow. If a trip at peak hours takes 27 minutes and the trip takes 20 minutes during free-flow times, the LOTTTR index would be 1.35. In the table below, the bars show the LOTTTR for the Sheboygan MPA from 2019 through 2023. The line identifies the goal set by WisDOT for the state of Wisconsin. The desired trend is to get the reliability index down as close as possible to a 1.0. The LOTTTR in Sheboygan has overall remained below the state target, however, in 2023 it increased to 1.173 from 1.134 in 2022.

Truck Travel Time Reliability Index



Source: University of Wisconsin Madison Traffic Operations and Safety Laboratory; MAP-21 Mobility Performance

Fixed Route Transit Provider



Shoreline Metro provides transit service to Sheboygan Urbanized Area, with a safe, reliable, affordable and courteous alternative to transportation. For more information visit https://shorelinemetro.com/

Accessibility and Mobility



Miles of Fixed Transit Routes (2024) **120.88**



Urbanized Area Covered by Transit 38.5%



Transit Service Area 19.84 Sq. Miles

The "transit service area" (0.25-mile buffer around Shoreline Metro fixed routes) is currently 19.84 square miles. The Sheboygan Urbanized Area is 49.47 square miles. Approximately 38.5% of the urbanized area is covered by fixed-route transit service.

Source: Shoreline Metro, Bay Lake Regional Planning Commission, 2024



Revenue Miles of Service Fixed-Route 522,653 Paratransit 129,788



Revenue Hours of Service Fixed-Route 36,939 Paratransit 10,777

Source: Sheboygan County, Shoreline Metro, 2024

Transit Safety & Crashes

In 2024, Shoreline Metro had 4 preventable accidents on the fixed-route bus system. Metro Connection (Shoreline's paratransit service) had 2 preventable crashes. The number of preventable crashes per 100,000 revenue vehicle miles traveled in 2024 was 0.76 crashes for fixed-route and 1.54 for paratransit.

DESIRED TREND



ACTUAL TREND 2020-2024



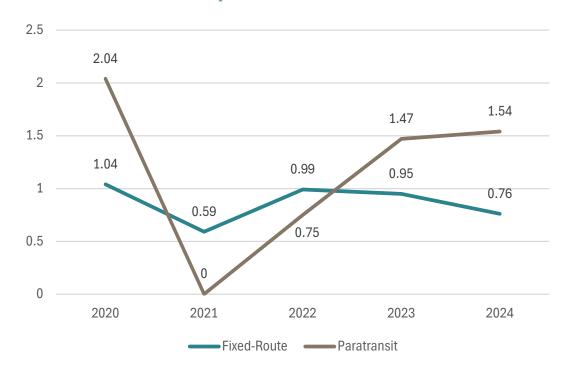
Overall Decrease in Fixed-Route Number of Preventable Crashes

ACTUAL TREND 2020-2024



Overall Decrease in Paratransit Number of Preventable Crashes

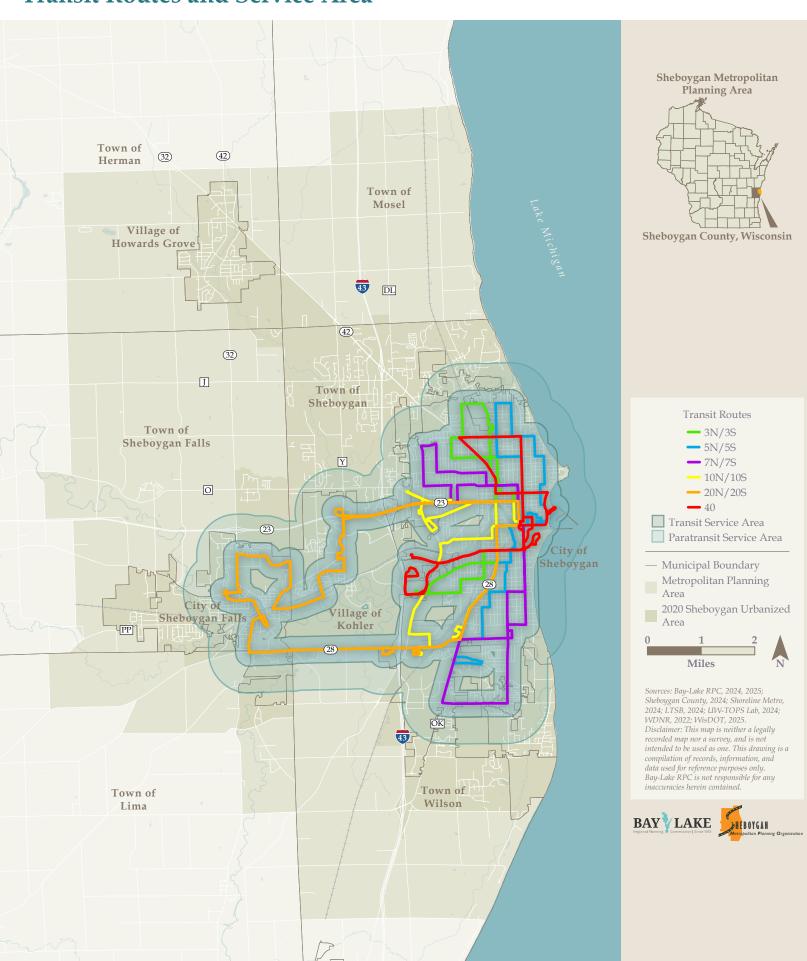
Preventable Transit Crashes per 100,000 Miles of Service



Source: Shoreline Metro, 2024

The number of preventable crashes droped significantly during 2020 - 2021, which corresponds to the outbreak of COVID-19. Ridership was down significantly during this period, which can explain the drop in the number of crashes. Since 2021, as the ridership numbers have increased, so has the number of crashes. However, the number of preventable crashes remains lower than pre-COVID-19 numbers.

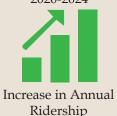
Transit Routes and Service Area



DESIRED TREND



ACTUAL TREND 2020-2024



DESIRED TREND



ACTUAL TREND 2020-2024



Efficiency Management and Operations



Passenger per Revenue Hour (2024) Fixed-Route 15.72 Paratransit 2.58



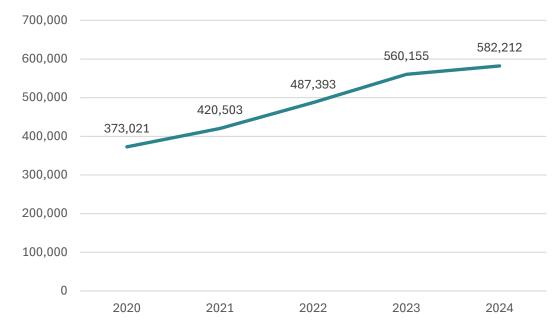
Passenger per Revenue Mile (2024)

Fixed-Route 1.12 Paratransit 0.21

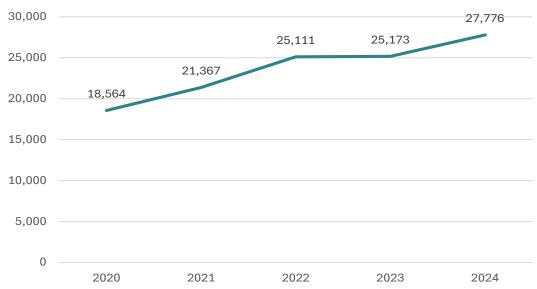


Annual Passenger Miles Traveled (2024) 1,548,684

Annual Ridership of Shoreline Metro (Fixed-Route)



Annual Ridership Metro Connection (Paratransit)



Source: Shoreline Metro, 2023

Buses At or Past Replacement Age

Shoreline Metro evaluated the inventory of its vehicle capital items and divided all vehicle types into three categories: heavy duty bus; medium duty bus (cutaways); and light duty vehicles (auto, pickup truck, minivan, van, SUV, etc.). Shoreline Metro then used the FTA's Useful Life Benchmark (ULB) set in FTA 5010.D, page IV-17, to determine if the vehicles were beyond their useful life, heavy duty buses' ULB is 12 years, medium duty buses' is 7 and light duty vehicles' ULB is 10 years. However, Shoreline Metro also uses a mileage ULB for Vehicles with higher ages but relatively low mileage; Heavy duty buses' is 50,000 miles, medium duty buses is ULB is 150,000 miles and light duty vehicles ULB is 100,000 miles. Shoreline Metro requires a vehicle to be above both number of years and mileage to be beyond its ULB.

Buses Beyond their Useful Life Benchmark (ULB) 2022-2024

Type of Vehicle	% of Vehicles Beyond ULB					
	2022 2023 20					
Heavy Duty Buses	0%	9%	18%			
Medium Duty Buses	40%	50%	0%			
Light Duty Buses	0%	0%	0%			

Source: Shoreline Metro, 2024

DESIRED TREND



ACTUAL TREND 2022-2024



Decreasing Percentage of Vehicles Beyond Their Useful Lives

System Safety and Reliability

Measure	Performance			
	Goal	2022	2023	2024
Number of Accidents Per Year	5	5	5	4
On Time Performance	95%	98%	98%	98%
Number of Vehicles Out of Service for 30+ Days	1	1	1	0

DESIRED TREND



ACTUAL TREND 2022-2024



Reliability

Private Transportation Services

				₩heelchair
Company	Type of Service Provided	Address	Phone	Accessible
Custom Care and	Accessible Transportation	N3803 Horace Mann Road	(920) 254-1513	Yes
Transport Service, LLC		Sheboygan Falls, WI 53085		
Lakeshore	Accessible Transportation	N5806 County Highway M	(920) 980-208(Yes
Transportation		Plymouth, WI 53073		
Transtar Medical	Accessible Transportation	120 West Main Street	(920) 533-	Yes
Transport		PO Box 509	3800	
		Campbellsport, WI 53010	(800) 972-	
Airport Connection and	Airport Limousine Service to and from	6970 South 6th Street	(800) 236-5450)
GO Riteway	Mitchell International Airport in	Milwaukee, WI 53154		
	Milwaukee and to and from Chicago's			
	O'Hare and Midway Airports, and			
	Service Connecting the City of			
	Sheboygan to Lakeshore Technical			
	College's Cleveland campus			
Orange Cross	Ambulance Service	1919 Ashland Ave	(920) 451-9111	
Ambulance Service		Sheboygan, WI 53081		
Sheboygan City Fire	Ambulance Service	1326 North 25th St	(920) 459-332	7
Department		Sheboygan, WI 53081		
Lamers Bus Lines	Charter bus service and school bus	2407 South Point Road	(920) 496-3600)
(Bought Otte Bus	service in some locales (On-demand	Green Bay, WI 54313		
Service)	service only to Sheboygan)			
Discovery Coach, Inc.	Charter, Tour and School Bus Services	1139 Pennsylvania Avenue	(800) 444-2960)
		Sheboygan, WI 53081		
Indian Trails Bus Lines	Intercity Bus Service	828 Pennsylvania Ave	(989) 725-5105	Yes
	·	Sheboygan, WI 53081		
Megabus / Coach USA	Intercity Bus Service	830 Pennsylvania Ave		
(Wisconsin Coach Lines)	•	Sheboygan, WI		
Escort Limousine Service	Limousine Service	1296 Camber court, Suite 501	(920) 918-5466	
		Hobart, WI 54304		
Santana's Limousine	Limousine Service	1019 Erie Ave	(920) 912-6940	l
		Sheboygan, WI 53081		
Sheboygan Limo	Limousine Service	Sheboygan, WI 53081	(920) 487-4300)
(Cheesehead Limousine)				
Harms Transportation	School Bus Service	N7940 State Hwy 42	(920) 565-2379	5
		Howards Grove, WI 53083		
Heidenreiter Bus	School Bus Service	400 Cleveland St	(920) 467-265	
Service, Inc.		Sheboygan Falls, WI 53085		
Johnson School Bus	School Bus Service serving Plymouth,	808 Valley Rd	(920) 893-594	Yes
Service (and Specialized	Elkhart Lake, Kohler, and Cedar Grove	Plymouth, WI 53073 and		
Transportation Service)		220 North Commerce St		
		Cedar Grove, WI 53013		
The Best Taxi (perviously	Taxi Service	611 South 15th Street	(920) 287-	
known as All Star Taxi)		Sheboygan, WI 53081	9372	
			(920) 254-	
Sheboygan County	Transportation (using volunteer Drivers)	1251 Geele Ave	(920) 457-7272	2
Interfaith Organization	in Sheboygran County for the elderly	Sheboygan, WI 53081		
	and disabled and for women with			
	children, for medical and other trip			
	purposes			

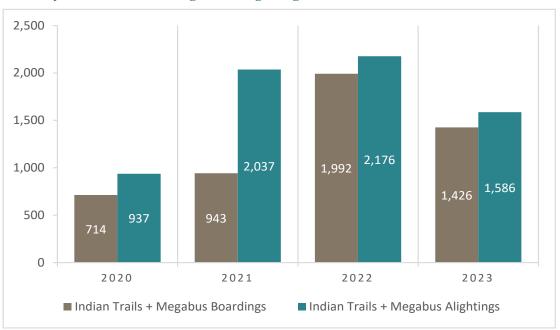
Intercity Bus Lines

Intercity Bus Line Schedules

Bus Line	Direction	Arrival		
Indian Trails Bus Line	To Milwaukee / From Escanaba	6:35 AM	6:35 AM	10/20/2023
	To Escanaba / From Milwaukee	8:45 PM	8:45 PM	
MegaBus / Wisconsin Coach Lines	To Minneapolis / From Milwaukee	10:35 AM	10:35 AM	1/17/2024
	To Milwaukee / From Minneapolis	4:20 PM	4:20 PM	

The Sheboygan bus stop for all routes is at the Sheboygan Transit Center, 830 Pennsylvania Ave. The Milwaukee bus stop for all routes is at the Milwaukee Intermodal Station, 433 St. Paul Ave. Megabus also serves the Milwaukee International Airport.

Intercity Bus Line Boarding and Alighting, 2020 - 2023



Source: WisDOT Bureau of Transit, Local Roads, Railroads and Harbors, Transit Section

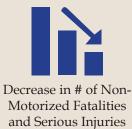
Increasing Intercity
Bus Ridership to and from Sheboygan



Active Transportation

Safety/Crashes

DESIRED TREND

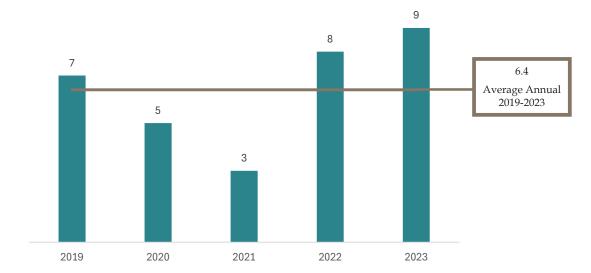


Non-Motorized Fatalities & Serious Injuries, 2019-2023

	2019	2020	2021	2022	2023
Bicycle Fatalities	1	0	0	0	0
Bicycle Serious Injuries	0	0	2	2	4
Pedestrian Fatalities	2	0	0	3	2
Pedestrian Serious Injuries	4	5	1	3	3
Total	7	5	3	8	9

ACTUAL TREND 2019-2023





Source: Traffic Operations and Safety Laboratory, University of Wisconsin – Madison; and National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS) Encyclopedia

Accessibility and Mobility

Sheboygan MPA



Miles of Sidewalks 606.89



Miles of Paved Shoulders 42.38



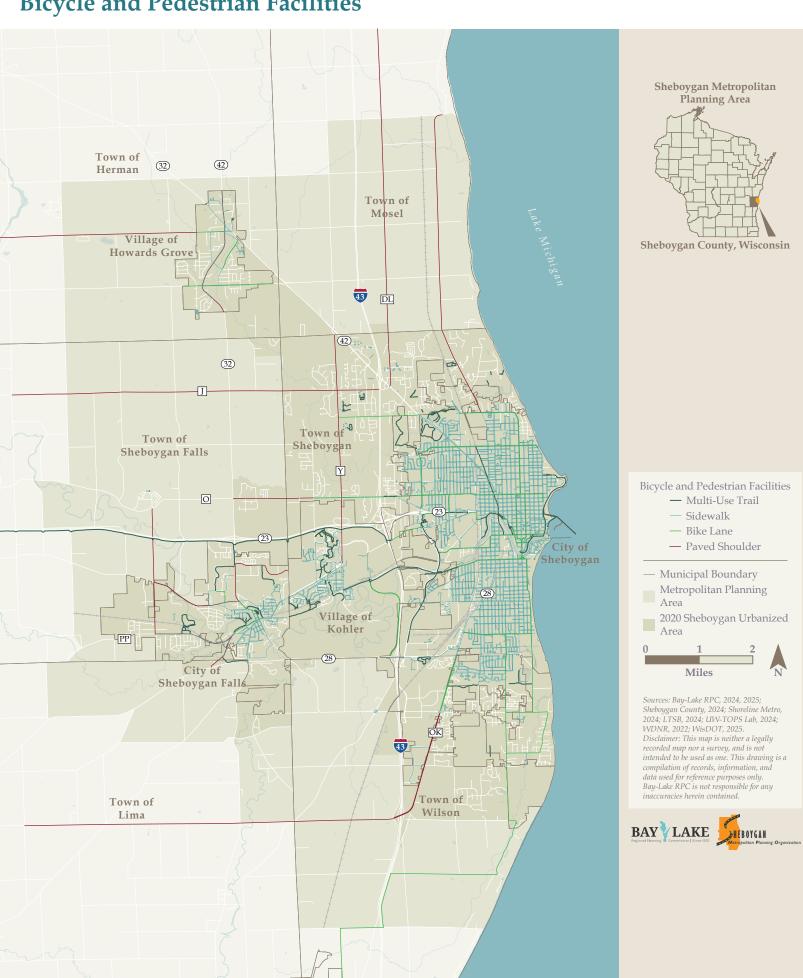
Miles of Bike Lanes/ Sharrows 44.49



Miles of Trails 30.02

Source: Bay Lake Regional Planning Commission GIS, 2023-2024

Bicycle and Pedestrian Facilities



Air Traffic



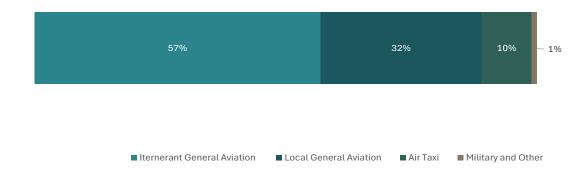
Sheboygan County Memorial International Airport is a county-owned public-use non-towered airport located in the Town of Sheboygan Falls, three nautical miles northwest of the City of Sheboygan, in Sheboygan County.

The airport mainly serves as a corporate aviation base for several county businesses, including Kohler Company, Bemis Manufacturing Company, Plenco and Richardson Bros. A new Customs facility opened in April 2021. There were **27,500** total annual operations in calendar year 2024.

Annual Aircraft Operations by Type at Sheboygan County Memorial International Airport



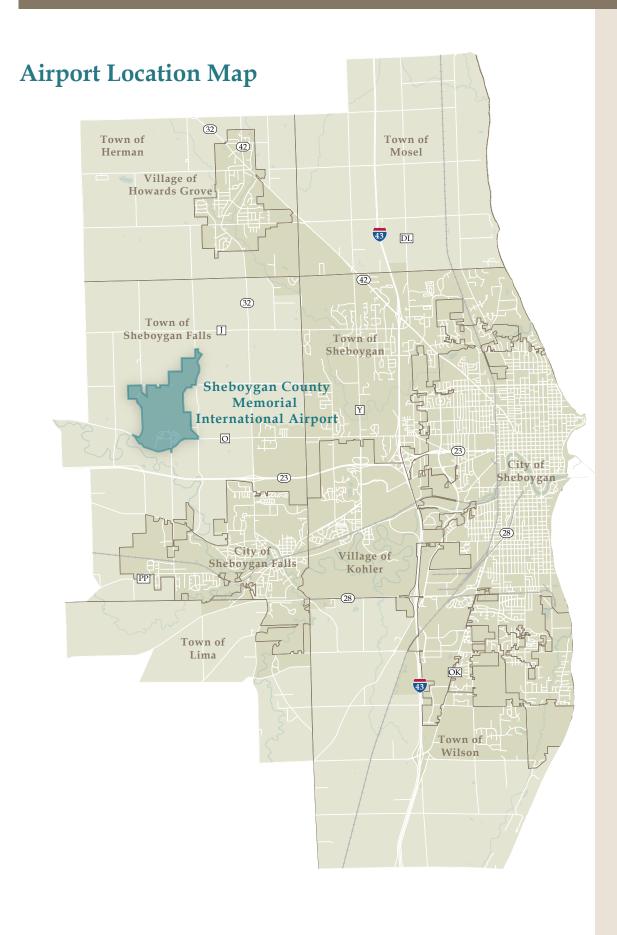
Runways Runway 1: 6,800 ft Runway 2: 5,002 ft



Source: Sheboygan County Memorial International Airport, 2024



Average Aircraft Operations per day (2024) **75**



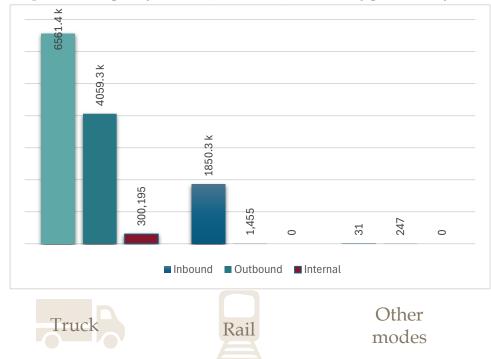
Freight

Sheboygan MPA

The majority of the freight tonnage traveling through the Sheboygan MPA is carried by trucks along I-43, STH 23, 28, 32 and 42, and CTH OK and other county roads.

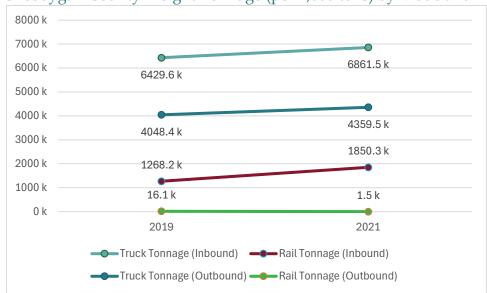


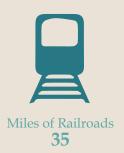
Shipment Weight by Mode (1,000 tons) For Sheboygan County











Source: Commodity Flow Survey, WisDOT (IHS TRANSEARCH, 2019 & 2021)

Top Sheboygan County Inbound Freight Tonnage (1,000 tons) by Commodity

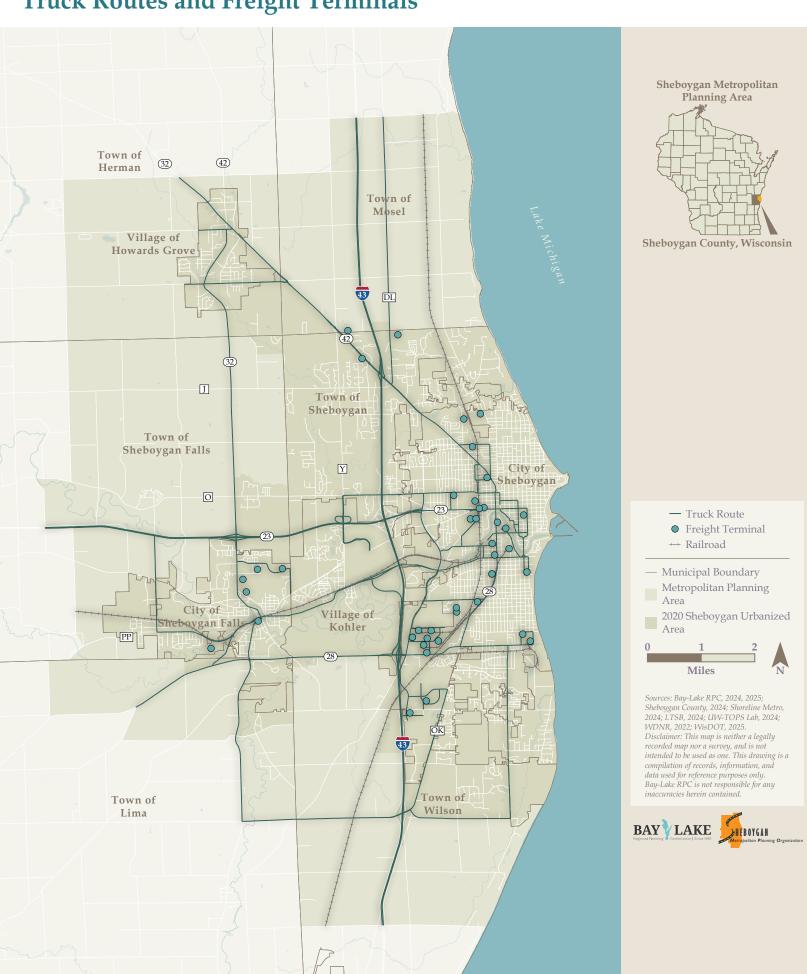
Commodity	2021 Truck Tons (per 1,000)		2021 Total Tons (per 1,000)	% of Total
Dairy Farm Products	2144.7 k		2144.7 k	24.6%
Bituminous Coal		1507.3 k	1507.3 k	17.3%
Gravel or Sand	903.7 k		903.7 k	10.4%
Grain	460.1 k		460.1 k	5.3%
Broken Stone or Riprap	400.1 k		400.1 k	4.6%
Misc Industrial Organic Chemicals	329.7 k	51.2 k	380.8 k	4.4%
Warehouse & Distribution Center	251.9 k		251.9 k	2.9%
Cheese or Special Dairy Products	144.7 k	89.5 k	234.2 k	2.7%
Petroleum Refining Products	203.6 k	9.5 k	213.2 k	2.4%
Processed Milk	147.3 k		147.3 k	1.7%
Ready-mix Concrete, Wet	117.4 k		117.4 k	1.3%
Plastic Mater or Synth Fibres		64.4 k	64.4 k	0.7%
Fiber, Paper or Pulpboard		27.6 k	27.6 k	0.3%
Cyclic Intermediates or Dyes		26.4 k	26.4 k	0.3%
Liquefied Gases, Coal or Petroleum		22.0 k	22.0 k	0.3%
Lumber or Dimension Stock		15.5 k	15.5 k	0.2%
Potassium or Sodium Compound		12.0 k	12.0 k	0.1%
Other	1758.4 k	24.9 k	1783.3 k	20.5%

Top Sheboygan County Outbound Freight Tonnage (1,000 tons) by Commodity

Commodity	2021 Truck Tons (per 1,000)	2021 Rail Tons (per 1,000)	2021 Total Tons (per 1,000)	% of Total
Grain	555.5 k		555.5 k	12.74%
Warehouse & Distribution Center	455.1 k		455.1 k	10.44%
Broken Stone or Riprap	381.3 k		381.3 k	8.74%
Dairy Farm Products	328.9 k		328.9 k	7.54%
Cheese or Special Dairy Products	275.4 k		275.4 k	6.31%
Aluminum or Alloy Castings	257.3 k		257.3 k	5.90%
Misc Plastic Products	173.7 k		173.7 k	3.98%
Misc Waste or Scrap	151.0 k		151.0 k	3.46%
Sanitary Paper Products	141.5 k		141.5 k	3.24%
Ready-mix Concrete, Wet	108.6 k		108.6 k	2.49%
Misc Industrial Organic Chemicals		1.0 k	1.0 k	0.02%
Metal Scrap or Tailings		0.5 k	0.5 k	0.01%
Other	1531.3 k		1531.3 k	35.11%

Source: Commodity Flow Survey, WisDOT (IHS TRANSEARCH, 2019 & 2021)

Truck Routes and Freight Terminals



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