

2021 STATE OF THE SYSTEM REPORT

FOND DU LAC METROPOLITAN PLANNING ORGANIZATION



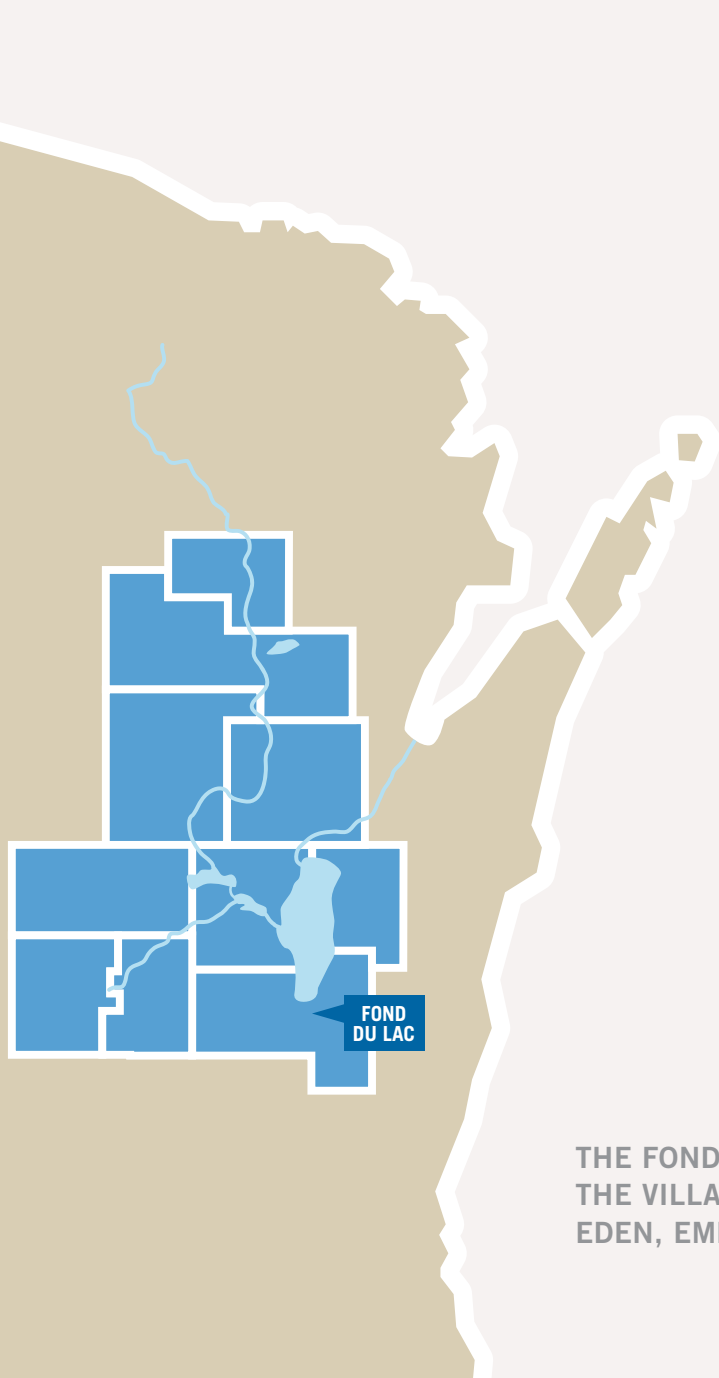


The Fond du Lac Urbanized Area will have a safe, efficient, and effective transportation network which provides options for the mobility needs of all people, goods, and services, while maximizing available resources, such as land, energy, and finances.

-Fond du Lac MPO Vision



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THE FOND DU LAC MPO INCLUDES ALL OR PORTIONS OF THE CITY OF FOND DU LAC, THE VILLAGES OF NORTH FOND DU LAC AND EDEN, AND THE TOWNS OF BLACK WOLF, EDEN, EMPIRE, FOND DU LAC, FRIENDSHIP, AND TAYCHEEDAH.

PURPOSE & BACKGROUND

The purpose of the annual State of the System Report is to evaluate the status of the Fond du Lac Metropolitan Planning Organization (MPO) transportation system and track the progress of defined performance measures through datasets and maps. The report will assist the MPO in general transportation planning.

FAST Act & BIL

A series of national transportation performance measures and goals were established in 2015 by the U.S. Department of Transportation under the Fixing America's Surface Transportation (FAST) Act. The FAST Act authorized federal funding for highway, motor vehicle, motor carrier, and hazardous materials safety; public transportation; rail; and research, technology, and statistics programs. It also continued the metropolitan planning program. The Bipartisan Infrastructure Law (BIL) was signed into law on November 15, 2021, authorizing federal transportation funding through fiscal year 2026.

Additional performance measures have been established by the Wisconsin Department of Transportation (WisDOT) and the East Central Wisconsin Regional Planning Commission (ECWRPC) to monitor conditions of the transportation system on a local scale. Six components of the Oshkosh transportation system will be monitored throughout this report: roadways, transit, the bicycle and pedestrian network, the Safe Routes to School program, airports, and freight.

MPO Structure

A Metropolitan Planning Organization (MPO) is the policy board of an organization created and designated to carry out the metropolitan transportation planning process. MPOs are required to represent localities in all urbanized areas with populations over 50,000, as determined by the U.S. Census. In 2010, the population of the Fond du Lac MPO was approximately 60,000.

The City of Fond du Lac was designated as the MPO in 2000. The Fond du Lac MPO is comprised of local and regional transportation professionals and elected officials. The MPO consists of two committees: a Policy Board and a Technical Advisory Committee (TAC). The Policy Board reviews recommendations from the Technical Advisory Committee and makes the final decisions regarding documents and projects selected for federal funding. East Central Wisconsin Regional Planning Commission are staff for the Fond du Lac MPO and are responsible for the MPO's planning and administrative functions.

COVID-19

The COVID-19 pandemic continues to impact how people travel, commute, and engage in recreational activities like walking or biking. The goal of this report is to evaluate the status of the Fond du Lac MPO transportation system as of 2021, but please note that data gathered prior to the COVID-19 pandemic may not reflect current transportation trends.

NATIONAL TRANSPORTATION PERFORMANCE MANAGEMENT GOALS

SAFETY

To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.

INFRASTRUCTURE CONDITION

To maintain the highway infrastructure asset system in a state of good repair.

CONGESTION REDUCTION

To achieve a significant reduction in congestion on the National Highway System.

SYSTEM RELIABILITY

To improve the efficiency of the surface transportation system.

FREIGHT MOVEMENT & ECONOMIC VITALITY

To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development.

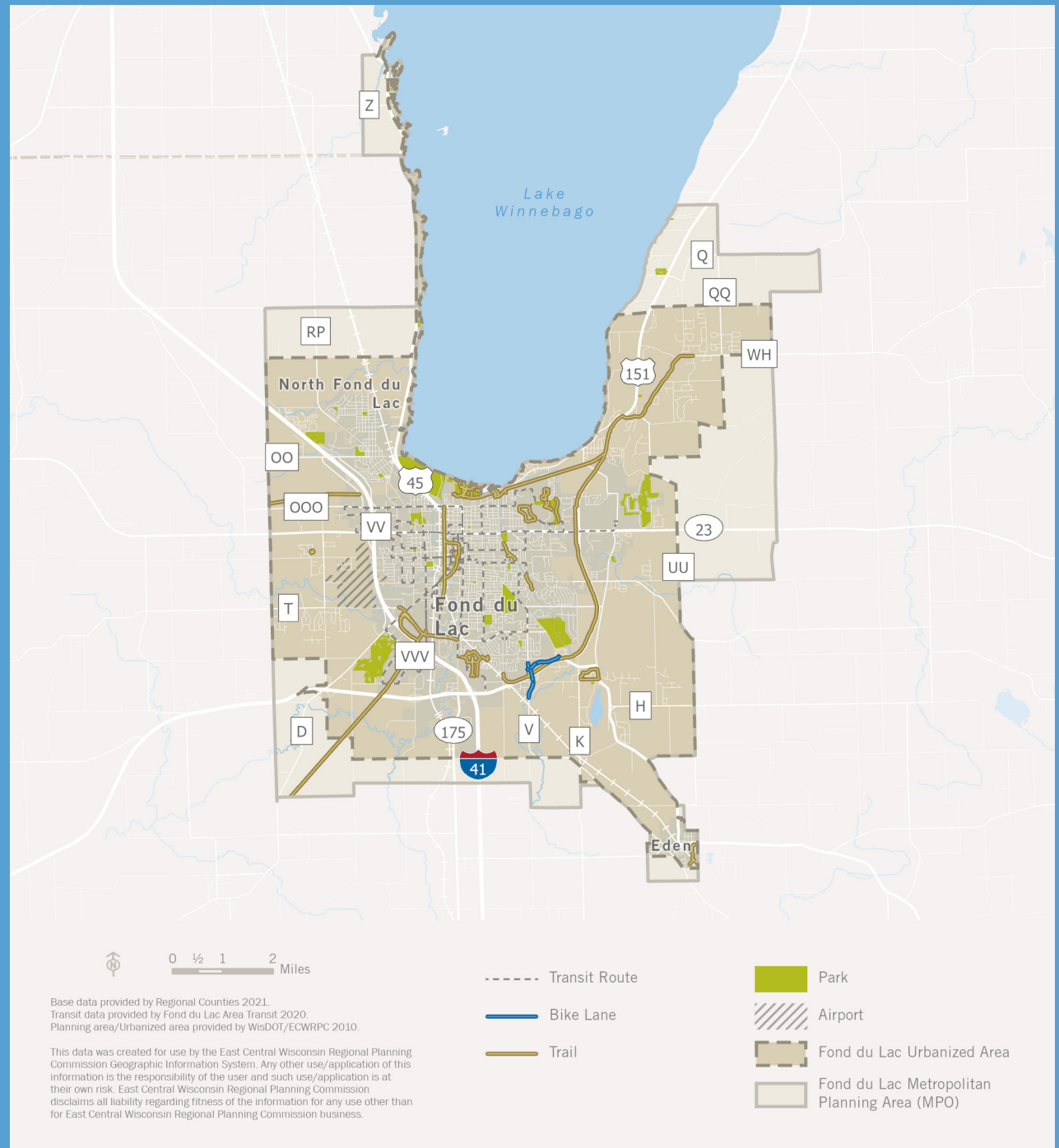
ENVIRONMENTAL SUSTAINABILITY

To enhance the performance of the transportation system while protecting and enhancing the natural environment.

REDUCED PROJECT DELIVERY DELAYS

To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices.

FOND DU LAC MPO TRANSPORTATION SYSTEM



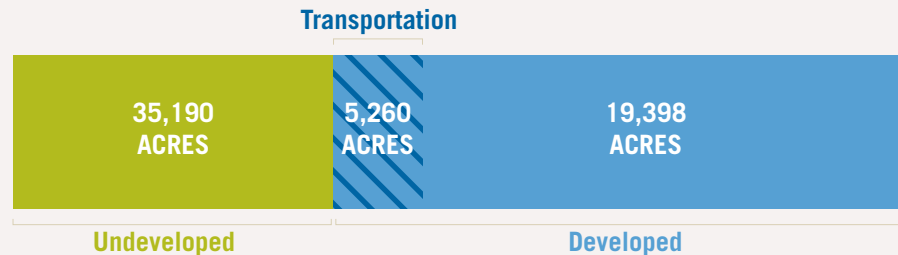


OVERVIEW OF THE MPO

LAND USE & POPULATION

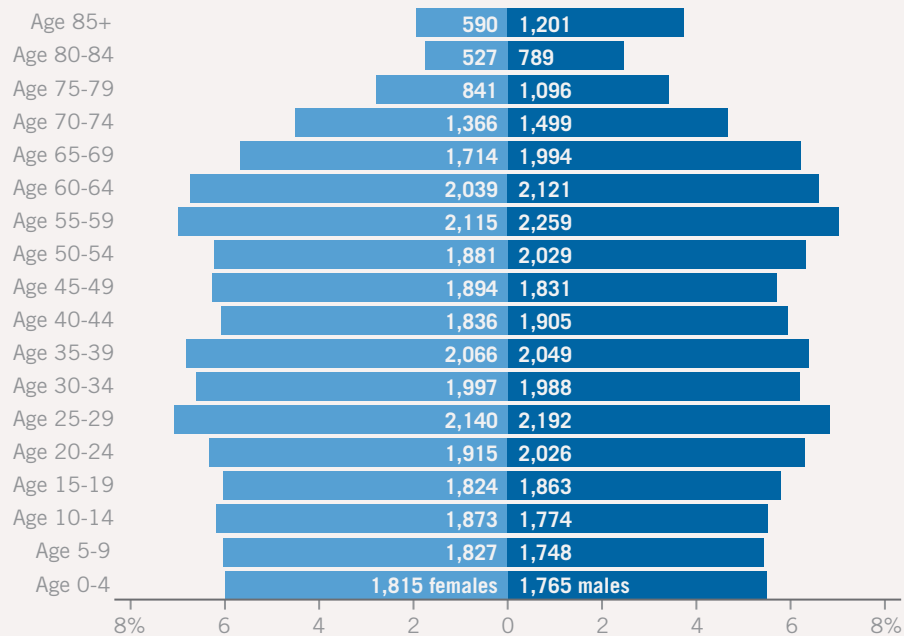
The Fond du Lac MPO area is small but growing. The current population within the MPO planning boundary is 62,429 and encompasses 54,588 total acres. By 2040, the Wisconsin Department of Administration predicts the population will climb to 72,795. Visit this link for more Fond du Lac MPO demographic data: https://www.ecwrpc.org/maps/FondyMPO_2021.html.

Existing Land Use



Source: ECWRPC 2021

Population by Age

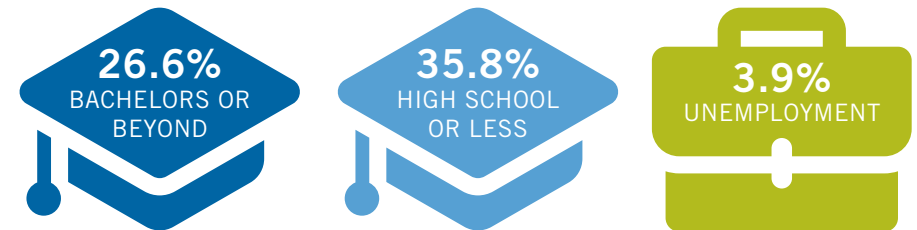


Source: ESRI Business Analyst 2020

EMPLOYMENT

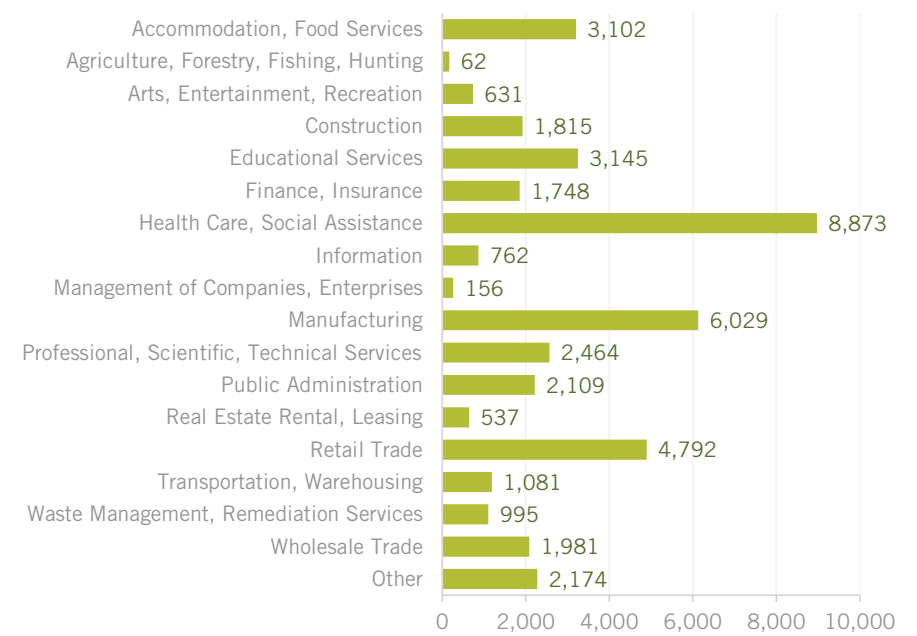
The Fond du Lac MPO area's vibrant business community is made up of 2,497 businesses with 42,642 total employees. The largest industries are health care and social assistance, manufacturing, and retail trade. There are also three college-level campuses within the Fond du Lac MPO: Moraine Park Technical College, Marian University, and UW-Oshkosh at Fond du Lac.

Employment Quick Facts



Source: ESRI Business Analyst 2020

Number of Employees by Industry Sector



Source: ESRI Business Analyst 2020

HOUSING & INCOME

There are an estimated 26,179 households in the Fond du Lac MPO planning area, with an average household size of 2.3 people. The Wisconsin Department of Administration predicts that household growth within the Fond du Lac MPO area will be modest, adding about 3,000 households from 2020 to 2040. In total, 2,681 households receive food stamps and 8,295 receive social security income.

Housing & Income Quick Facts



26,179
TOTAL
HOUSEHOLDS



\$163,287
MEDIAN HOME
VALUE



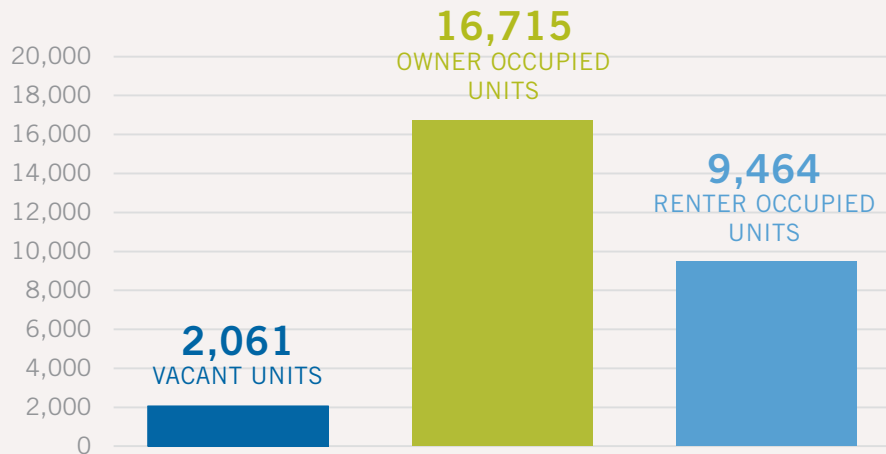
\$60,249
MEDIAN
HOUSEHOLD
INCOME



\$140,568
MEDIAN NET
WORTH

Source: ESRI Business Analyst 2020

Housing Occupancy Estimates

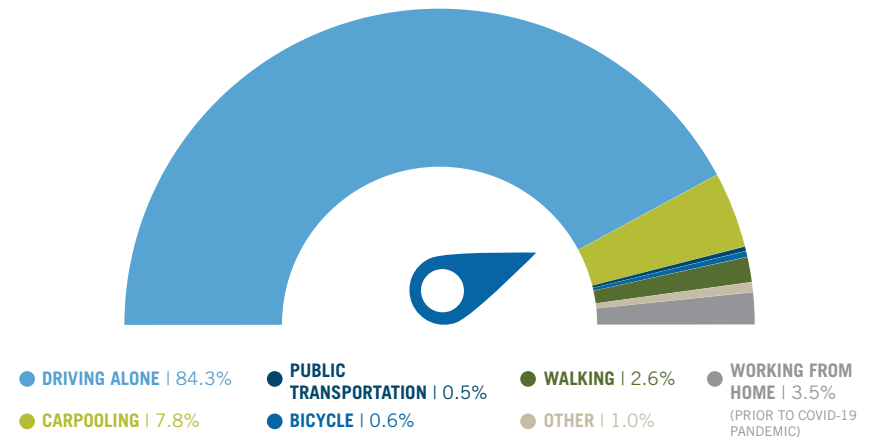


Source: ESRI Business Analyst 2020

COMMUTING

Approximately 29,609 people commute within the Fond du Lac MPO planning area. While 84.3% of commuters rely on a personal vehicle to drive to work, it should be noted that 6.6% of households do not have access to a vehicle. In 2019, Fond du Lac County saw 15% more of its commuters leave the county for work than those who lived outside the county and came in for work.

Means of Transportation to Work



Source: ACS 2019 5-year estimates

Vehicle Availability



Source: ACS 2019 5-year estimates

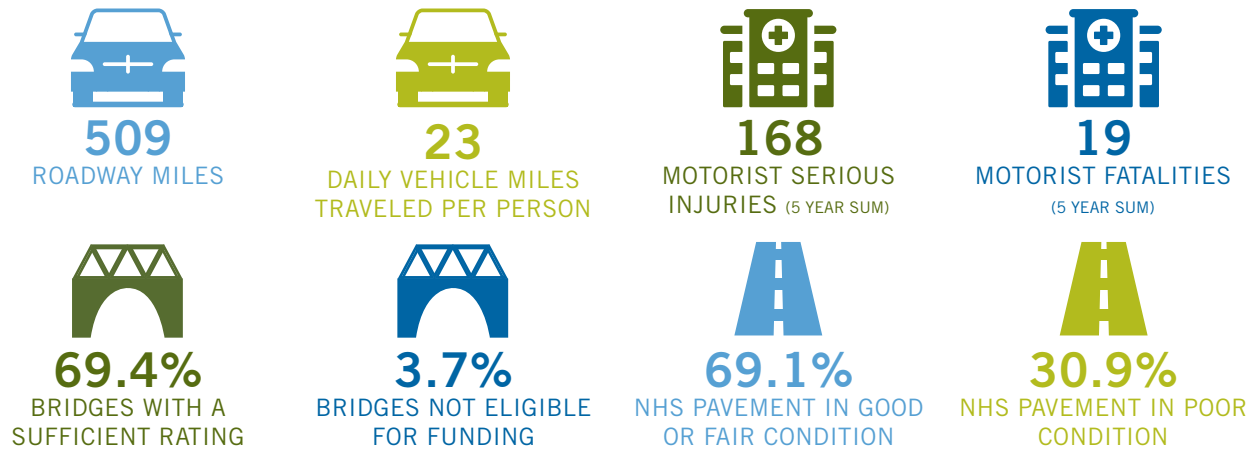


PERFORMANCE MEASURES

ROADWAYS

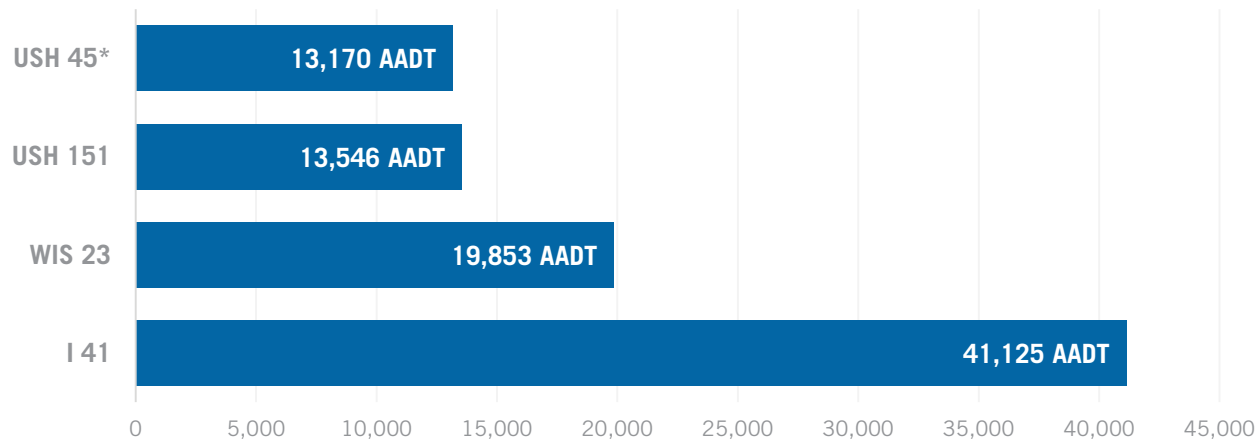
Drivers within the Fond du Lac MPO planning area have access to 509 total miles of roadway. Residents travel an average of 23 vehicle miles daily and are highly dependent on automobile transportation. To ensure the area's roadway system is safe for those traveling it, the Surface Transportation Block Grant Program helps to fund the resurface, reconstruction, or redesign of roads or intersections. The Commission also develops an annual Transportation Improvement Program (TIP) report that highlights upcoming roadway projects in the MPO. [Click here to access the 2022 TIP.](#)

Roadway Performance Measures



Source: Crash data from WisDOT 2017-2021. Bridge, PASER data from WisDOT 2019, 2020.

Top Four Roadways with the Heaviest Traffic Volume



*Excluding shared portions of I 41. Source: WisDOT 2017-2018

ROADWAY PROJECTS IN THE FOND DU LAC MPO

2021

WIS 23
Reconstruction
Taft Rd. to CTH P
16.81 miles

WIS 23
Reconstruction
WIS 67 to USH 151
1.9 miles

I 41
Resurface
S. County Line to USH 151
7.23 miles

Military Rd.
Reconstruction
Superior St. to Western Ave.
0.44 miles

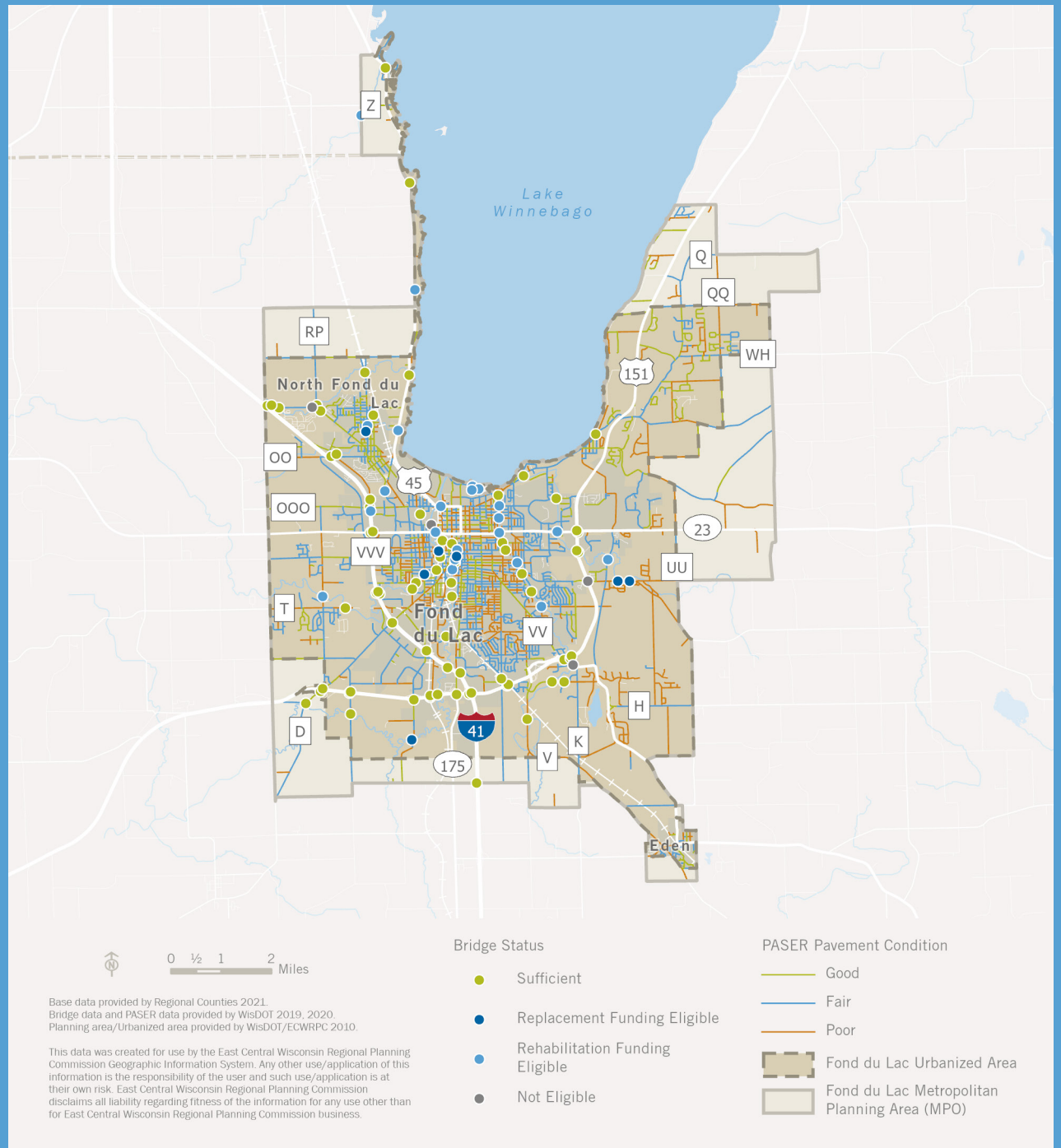
2022

I 41
Resurface
S. County Line to USH 151
7.23 miles

Military Rd.
Reconstruction
Superior St. to Western Ave.
0.44 miles

ROADWAYS

PASER PAVEMENT CONDITION & BRIDGE STATUS



TRANSIT

Fond du Lac Area Transit (FDLAT) is the primary public transit provider within the Fond du Lac MPO area. In addition to its traditional fixed-route public bus system, FDLAT provides complementary on-demand paratransit services and a shared ride taxi service for those with destinations over 1/4 mile from a bus route. Overall, FDLAT operates eight fixed bus routes within the City of Fond du Lac. The COVID-19 pandemic impacted ridership as people took 103,427 total trips in 2020, contrasted to 202,688 in 2019. For those who want to travel outside of the MPO area, Amtrak offers a connecting bus stop in Fond du Lac that makes two round trips daily from Green Bay to Milwaukee.

Transit Performance Measures



59.5

MILES OF FIXED TRANSIT ROUTES



66%

OF PEOPLE LIVE WITHIN 1/2 MILE FROM A TRANSIT STOP



62.5%

OF GROCERY STORES HAVE A TRANSIT STOP WITHIN 1/8 MILE



100%

OF GROCERY STORES HAVE A TRANSIT STOP WITHIN 1/2 MILE



67%

OF HOSPITALS & CLINICS HAVE A TRANSIT STOP WITHIN 1/8 MILE



78%

OF HOSPITALS & CLINICS HAVE A TRANSIT STOP WITHIN 1/2 MILE

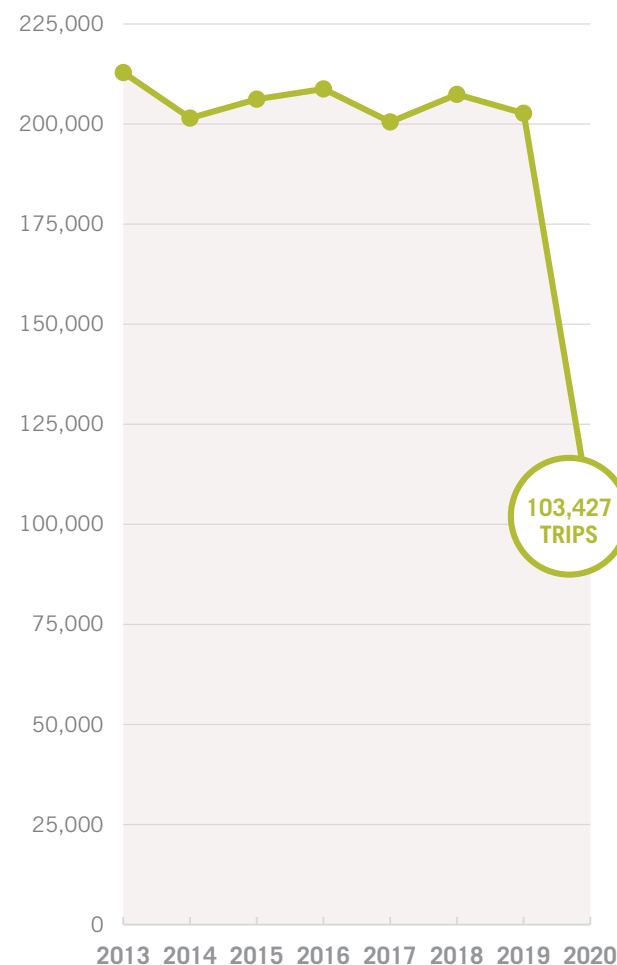


89%

OF PARKS HAVE A TRANSIT STOP WITHIN 1/2 MILE

Source: ECWRPC 2016

Annual Boardings: FDL Area Transit



Source: Federal Transit Administration 2020

TRANSIT SERVICES IN THE FOND DU LAC MPO



FOND DU LAC AREA TRANSIT
PUBLIC TRANSPORTATION



HANDIVAN
SPECIALIZED TRANSPORTATION

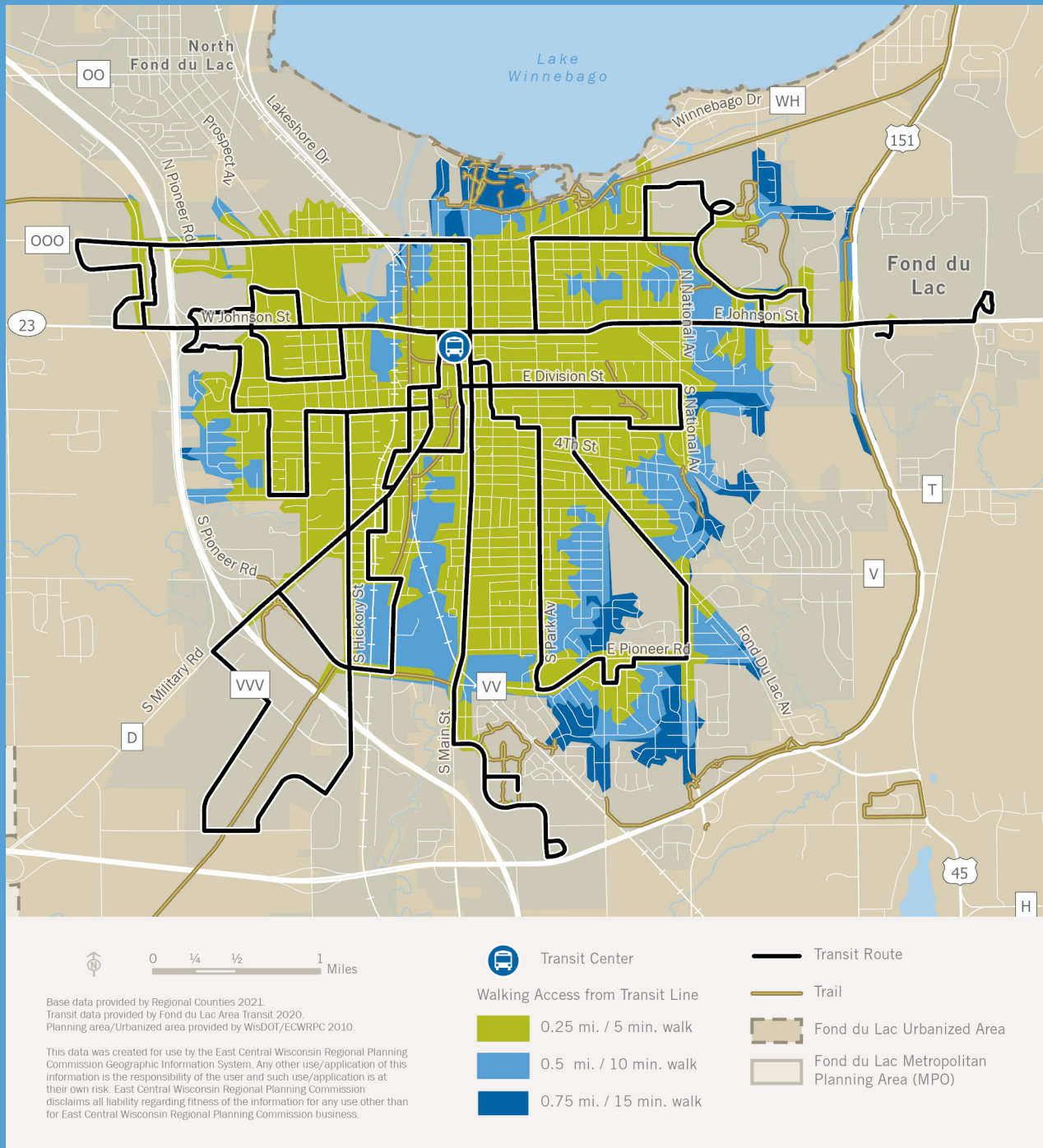


SHARED RIDE TAXI
SPECIALIZED TRANSPORTATION

TRANSIT

FOND DU LAC AREA

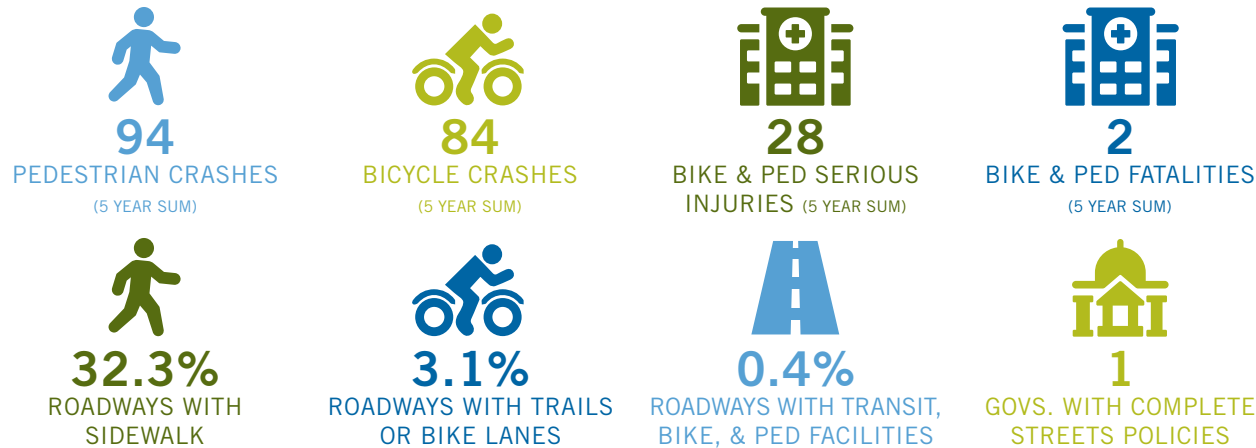
TRANSIT WALKABILITY



BICYCLE & PEDESTRIAN NETWORK

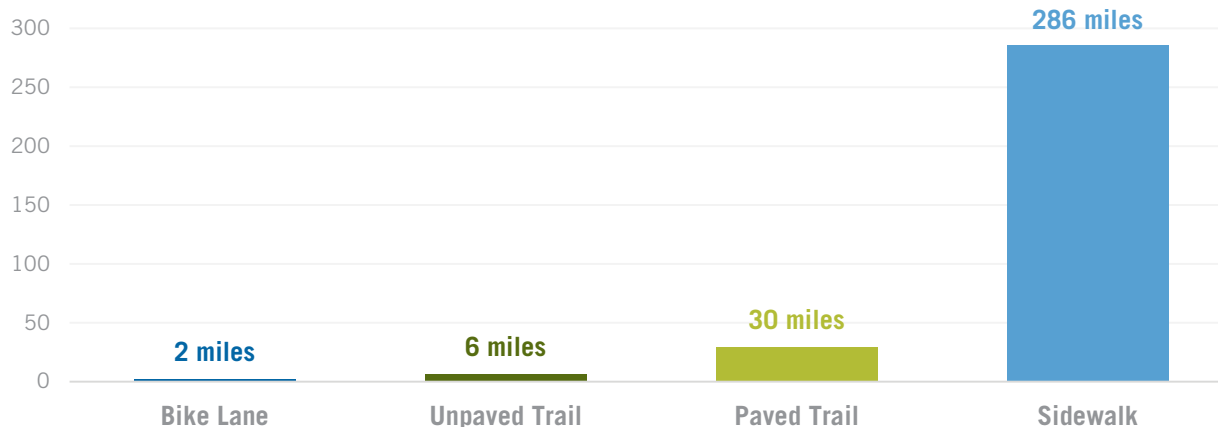
Bicycling and walking are popular forms of recreation and exercise that also serve an important transportation function. Nearly 1/3 of the population is not able to drive (due to factors such as age and ability), making it vital for communities to plan transportation networks that support all modes of travel. The Fond du Lac MPO area's bicycle and pedestrian network is steadily growing with future expansion guided by local, county, and regional bicycle and pedestrian plans. Notably, there are three state trails within the MPO area: Mascoutin Valley Trail, Eisenbahn Trail, and Wild Goose Trail.

Bicycle & Pedestrian Performance Measures

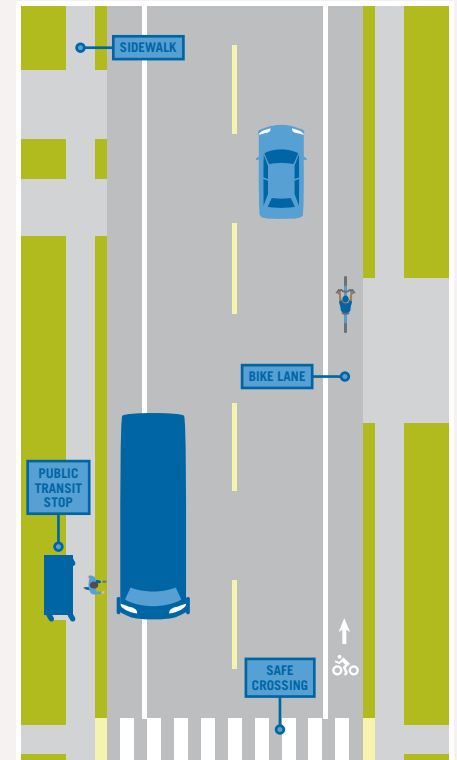


Crash data source: WisDOT 2017-2021. Bike/Ped facility data source: ECWRPC 2021.

Bicycle & Pedestrian Facility Mileage



Source: ECWRPC 2021

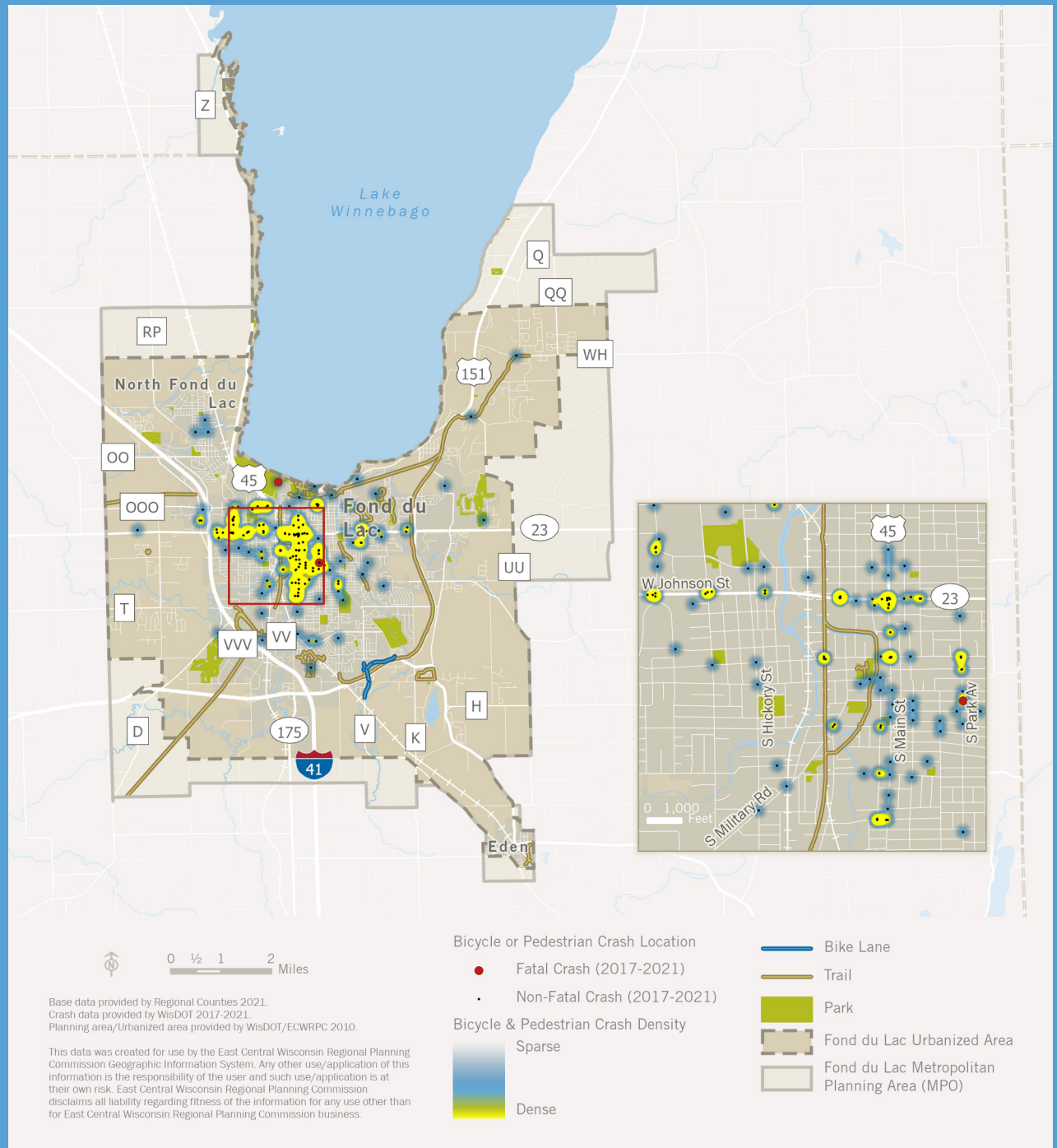


COMPLETE STREETS

A complete street may include sidewalks, bike lanes (or wide paved shoulders), special bus lanes, comfortable and accessible public transportation stops, frequent and safe crossing opportunities, median islands, accessible pedestrian signals, curb extensions, narrower travel lanes, roundabouts, and more. Each street should be examined in its own context to determine the appropriate bicycle and pedestrian facilities.

Complete streets are for everyone, no matter who they are or how they travel.

BICYCLE & PEDESTRIAN NETWORK CRASH DENSITY



SAFE ROUTES TO SCHOOL

The East Central Wisconsin Regional Safe Routes to School (SRTS) Program focuses on empowering local communities and school districts with the resources and knowledge needed to implement SRTS activities. By working to make it safer and more appealing for students (grades K–8) to walk and bike to school, the Regional SRTS Program is continually making strides to improve childhood health, reduce traffic congestion and pollution, and create more-livable communities. Projects range from walking and biking audits, to coordinating one day events, such as Walk to School Day, to educate and encourage students to walk and bicycle to school.

2021 School Participation

School	# of Events and Programs Participated
Evans Elementary School	4
Pier Elementary School	4
Riverside Elementary School	4
Roberts Elementary School	4
Rosenow Elementary School	4
Eden Elementary School	3
Lakeshore Elementary School	3
Parkside Elementary School	3
Redeemer Lutheran Grade School	3
Sabish Middle School	3
Theisen Middle School	3
Waters Elementary School	2
Woodworth Middle School	2
Chegwin Elementary School	1
STEM Institute/ Academy School	1
Saint Mary's Springs Academy	0

Source: ECWRPC 2021

SRTS Performance Measures



48%

OF ALL K-8 SCHOOLS ARE PARTICIPATING IN THE SRTS PROGRAM



13

SCHOOLS PARTICIPATED IN INTERNATIONAL WALK TO SCHOOL DAY



14

SCHOOLS PARTICIPATED IN BIKE TO SCHOOL MONTH



5

SCHOOLS PARTICIPATED IN FREQUENT WALKER PROGRAM



0

SCHOOLS PARTICIPATED IN YOUTH ENGAGEMENT PROGRAM



1

SCHOOL PARTICIPATED IN WALKING SCHOOL BUS PROGRAM



11

SCHOOLS PARTICIPATED IN WINTER WALK TO SCHOOL MONTH

Source: ECWRPC 2021

GUIDING PRINCIPLES THE SIX E'S



EQUITY



ENGAGEMENT



EVALUATION



ENGINEERING



ENCOURAGEMENT



EDUCATION

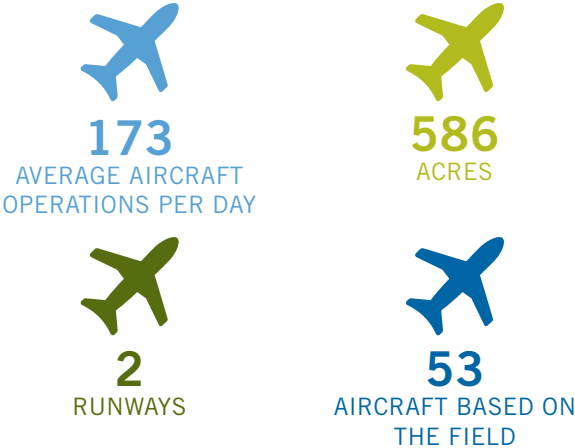
SAFE ROUTES TO SCHOOL PARTICIPATING SCHOOLS & SCHOOL DISTRICTS



AIRPORTS

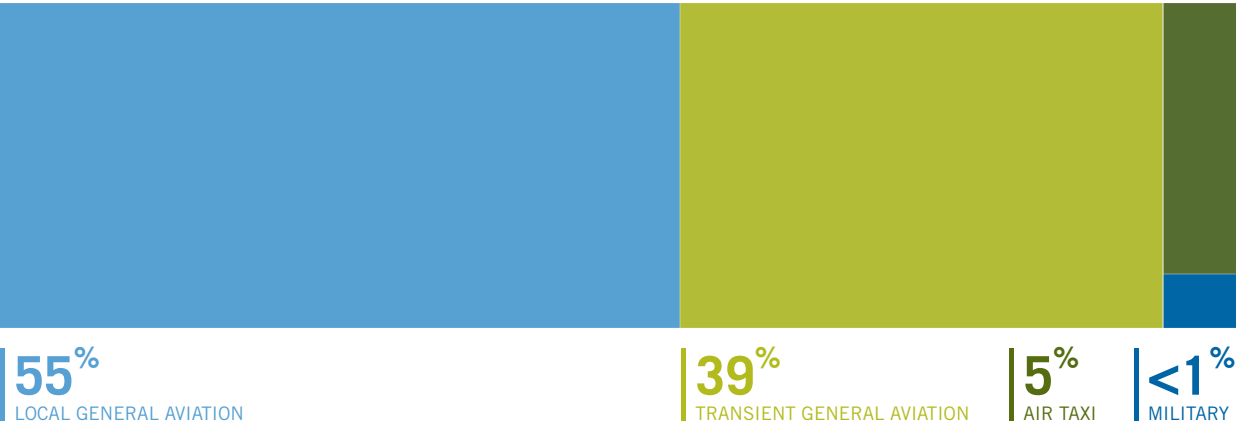
The Fond du Lac County Airport (KFLD), a general aviation airport, serves the Fond du Lac MPO area and beyond. KFLD does not provide commercial flights or scheduled cargo, but it does frequently serve the business community with aviation facilities. KFLD’s highest-trafficked time of the year is throughout the duration of the EAA AirVenture event in Oshkosh, Wisconsin. The airport is only 21 miles from the event grounds and offers access to parking and rental cars. KFLD also owns an adjacent 65-acre business park which is prepared for development.

Airport Performance Measures



Source: AirNav accessed 2021

Annual Aircraft Operations by Type at KFLD



Source: AirNav accessed 2021

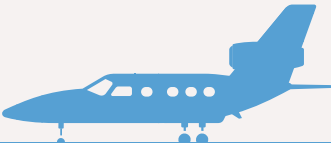
AIRCRAFT TYPES

AT FOND DU LAC COUNTY AIRPORT



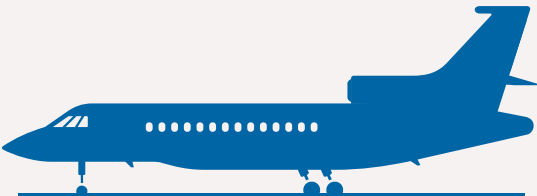
SINGLE ENGINE AIRPLANES

49 AIRCRAFT BASED ON THE FIELD



MULTI-ENGINE AIRPLANES

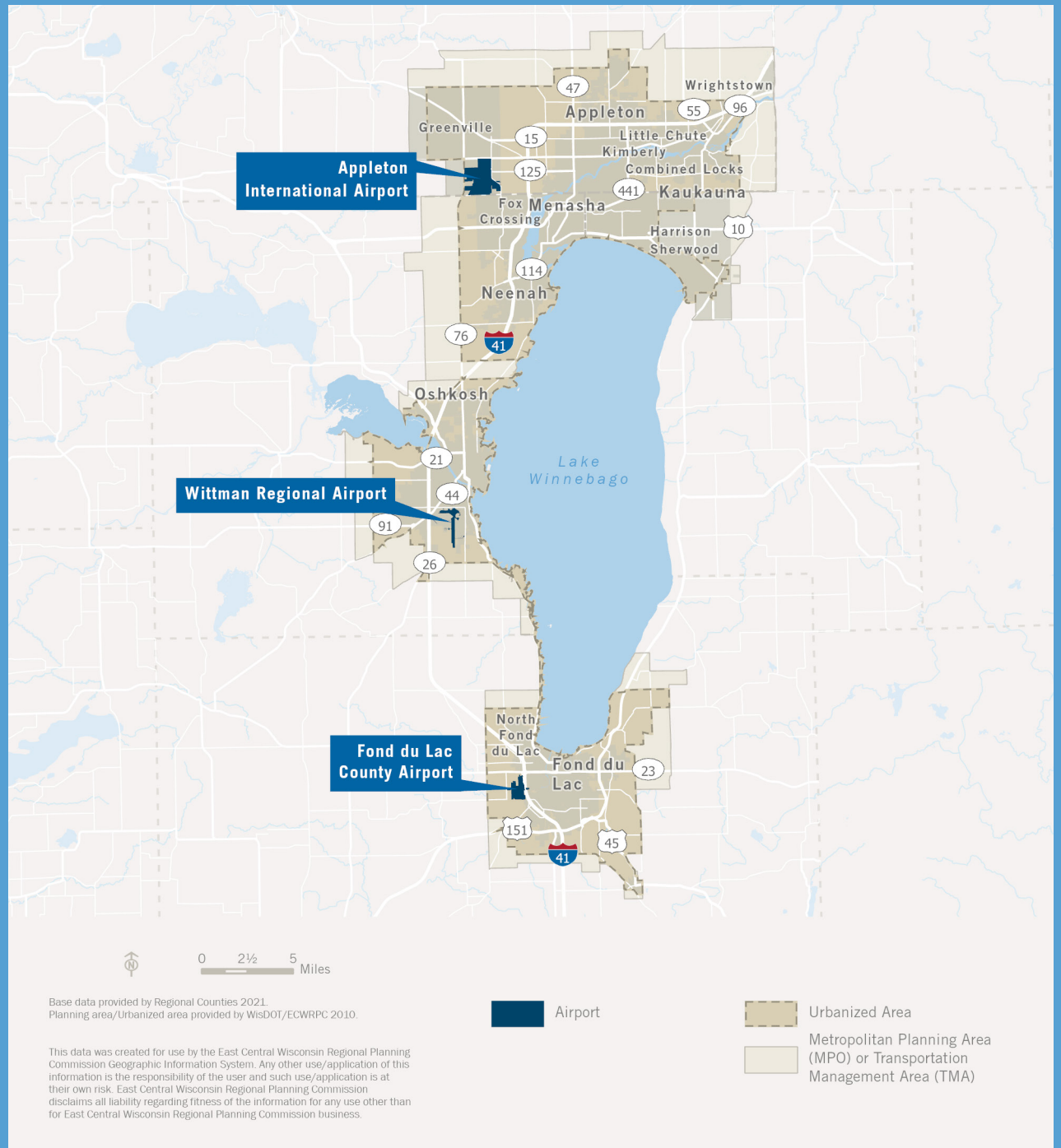
3 AIRCRAFT BASED ON THE FIELD



JET AIRPLANES

1 AIRCRAFT BASED ON THE FIELD

AIRPORTS REGIONAL LOCATIONS



FREIGHT

A majority of the freight tonnage traveling through the Fond du Lac MPO area is carried by semi-trucks along Interstate 41, US Route 151, and State Highway 23, or by trains over the Canadian National Railway system. The cargo may range anywhere from fabricated tubing and boat motors to medical supplies and military trucks. The Classification Yard in North Fond du Lac is the second largest CN rail facility in Wisconsin. This is where railroad cars get sorted and reconnected based on delivery destination. In 2003, the Rails-to-Trails Conservancy created the Eisenbahn State Trail on a scenic 24-mile segment of a CN rail line stretching from Eden, WI to West Bend, WI.

Freight Performance Measures



118.5
MILES OF TRUCKING ROUTES



51
FREIGHT TERMINALS



21.9
MILES OF RAILROAD

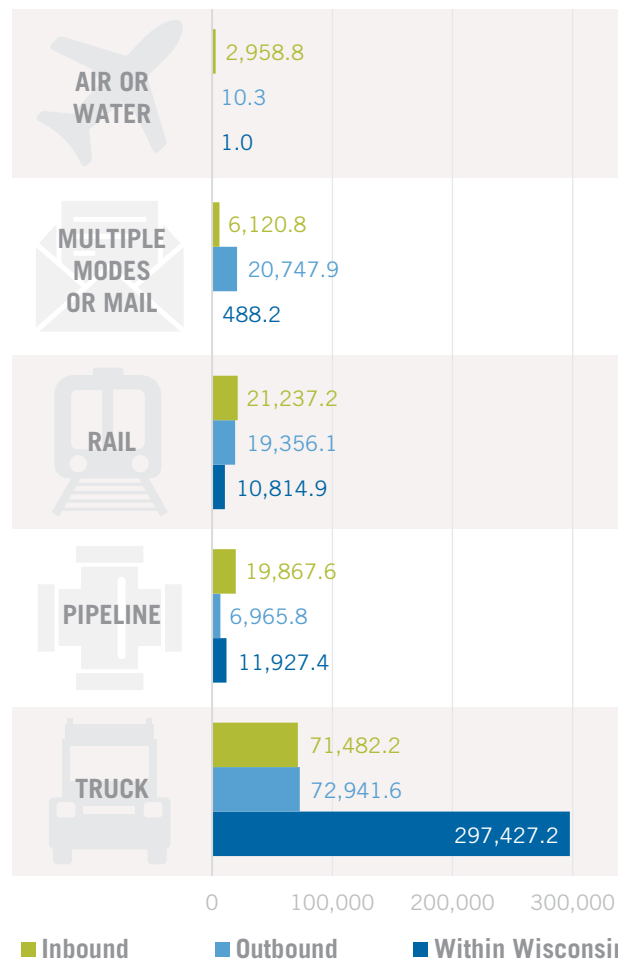


39
RAILROAD CROSSINGS



Source: WisDOT 2017

2020 Shipment Weight by Mode (1,000 tons)



Source: Freight Analysis Framework 2020 projections

TOP OUTBOUND SHIPMENTS IN WISCONSIN

TOP 10 COMMODITIES	1000 TONS	OVERALL %
NATURAL SANDS	30,278.3	21.9%
GRAVEL	10,760.4	7.8%
COAL-N.E.C.	10,571.4	7.6%
OTHER FOODSTUFFS	10,506.4	7.6%
NONMETAL MIN. PRODS.	8,466.0	6.1%
CEREAL GRAINS	7,218.9	5.2%
MIXED FREIGHT	6,923.8	5.0%
NEWSPRINT/PAPER	6,455.2	4.7%
BASE METALS	4,946.4	3.6%
OTHER AG PRODS.	3,385.3	2.4%

TOP INBOUND SHIPMENTS IN WISCONSIN

TOP 10 COMMODITIES	1000 TONS	OVERALL %
COAL-N.E.C.	21,107.8	16.2%
COAL	16,838.9	12.9%
OTHER FOODSTUFFS	9,867.8	7.6%
NEWSPRINT/PAPER	5,731.8	4.4%
ANIMAL FEED	5,435.8	4.2%
WOOD PRODS.	4,913.1	3.8%
BASE METALS	4,846.9	3.7%
CEREAL GRAINS	4,538.7	3.5%
GASOLINE	4,417.1	3.4%
NONMETAL MIN. PRODS.	4,013.5	3.1%

FREIGHT ROUTES & RESTRICTIONS

