

FOND DU LAC
MPO

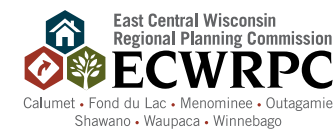
2022

STATE OF THE SYSTEM REPORT

TRANSPORTATION
SYSTEM



Approved Month Date, 2023



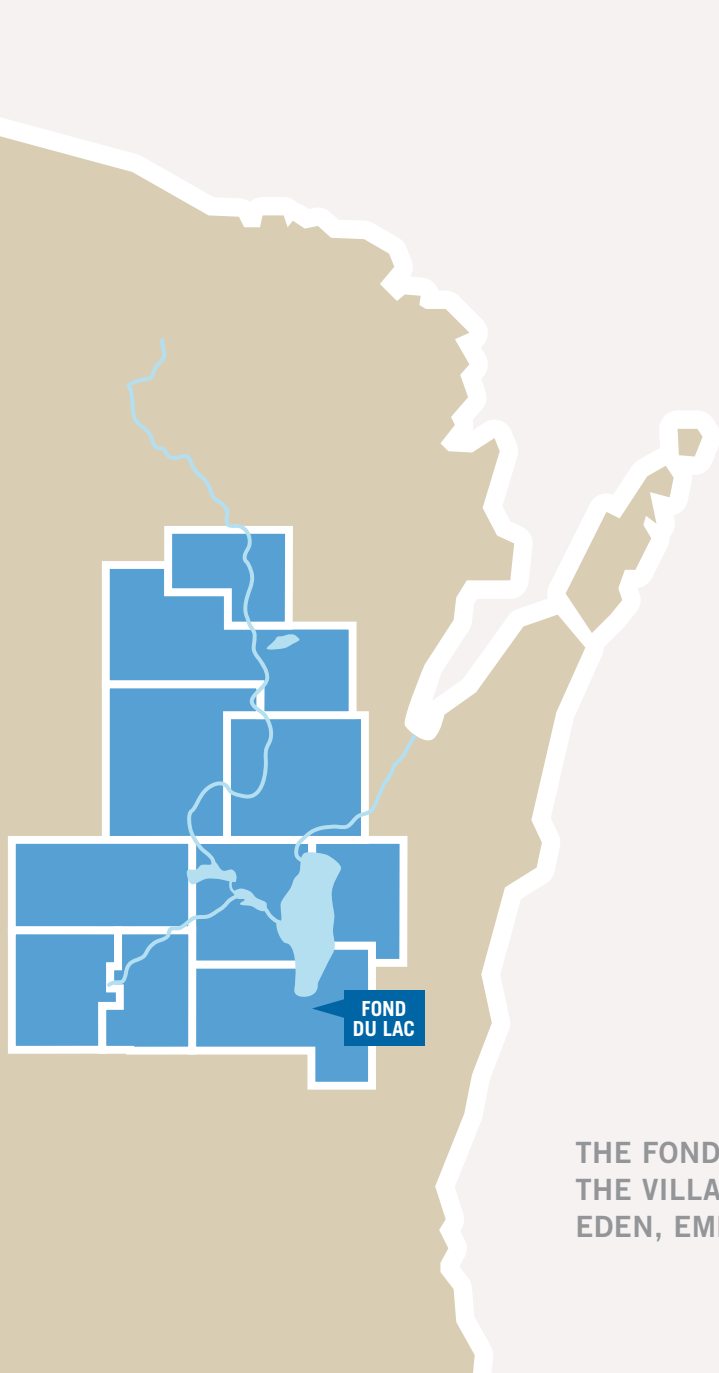


The Fond du Lac Urbanized Area will have a safe, efficient, and effective transportation network which provides options for the mobility needs of all people, goods, and services, while maximizing available resources, such as land, energy, and finances.

-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 annual State of the System Report is designed to evaluate the status of the Fond du Lac Metropolitan Planning Organization (MPO) transportation system and track the progress of performance measures through datasets and maps. The report will provide MPO staff, local government staff, and outside service providers data about transportation systems.

BIL & IIJA

The Bipartisan Infrastructure Law (BIL) was signed into law on November 15, 2021. Passed as the Infrastructure and Investment in Jobs Act (IIJA), the BIL outlines federal funding programs for infrastructure including public transit, microtransit, motor vehicle and freight safety, highway efficiency, hazardous material transportation, equity, and environmental protection. The BIL reemphasizes the integral relationship land use has with transportation infrastructure, as well as the need to address mobility from a multimodal perspective, as previously emphasized under the FAST Act, MAP-21, TEA-21, and SAFETEA-LU.

A series of performance measures have been established by the U.S. Department of Transportation, the Wisconsin Department of Transportation, and the East Central Wisconsin Regional Planning Commission to monitor conditions of the transportation system on a local and national scale. Six components of the Fond du Lac MPO transportation system are 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 people, 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: Technical Advisory Committee (TAC) and Policy Board. The Policy Board reviews recommendations from the Technical Advisory Committee and gives final consideration 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

Travel, commuting, and recreational activity patterns have changed in response to the COVID-19 pandemic and resulting socioeconomic changes. The goal of this report is to evaluate the status of the Fond du Lac MPO transportation system as of 2022, but please note that data gathered during the COVID-19 pandemic may not reflect current trends.

NATIONAL TRANSPORTATION PERFORMANCE MANAGEMENT GOALS

Established by the U.S. Department of Transportation and the U.S. Congress

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.

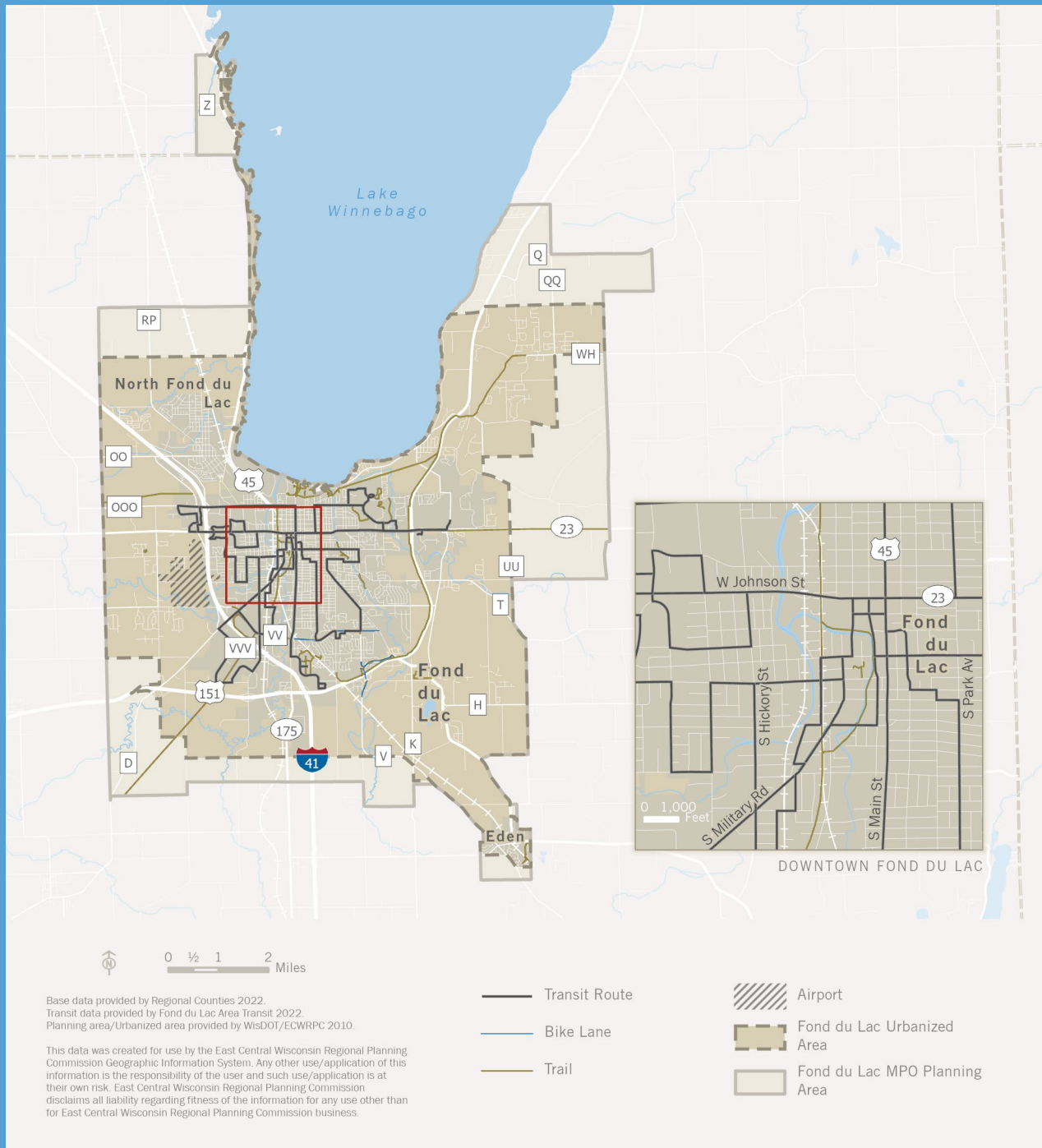
ENVIRONMENTAL SUSTAINABILITY

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



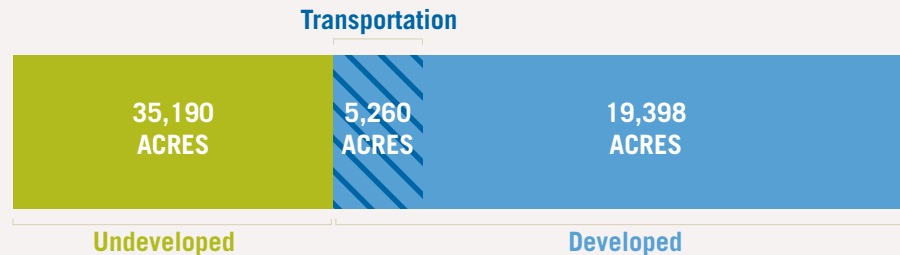


OVERVIEW OF THE FOND DU LAC MPO

LAND USE & POPULATION FOND DU LAC MPO

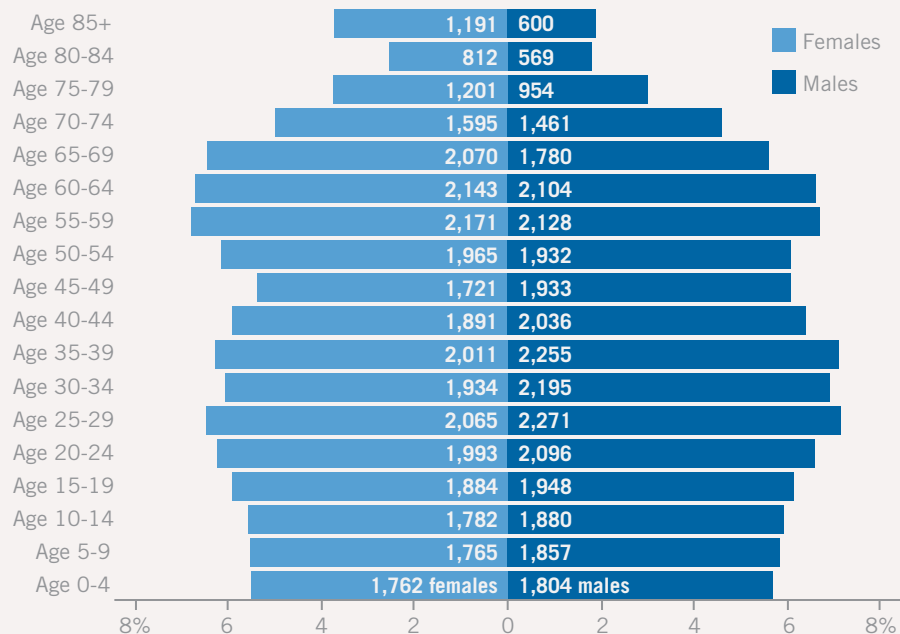
The Fond du Lac MPO area is located primarily in Fond du Lac County with a small portion in Winnebago County, bordering Lake Winnebago to the north. The current population within the MPO planning boundary is 63,761 people and encompasses 54,588 total acres. By 2040, the Wisconsin Department of Administration predicts the population will climb to approximately 72,795.

Existing Land Use



Data source: ECWRPC 2021

Population by Age

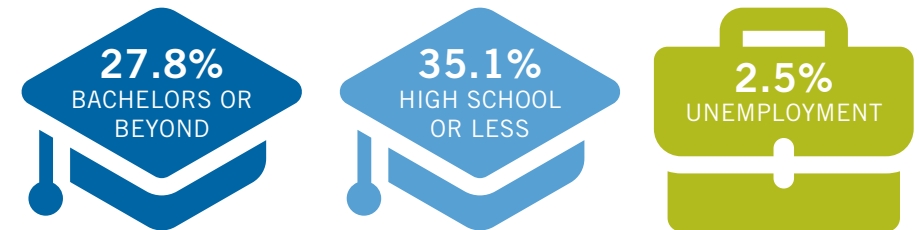


Data source: ESRI Business Analyst 2022

EMPLOYMENT FOND DU LAC MPO

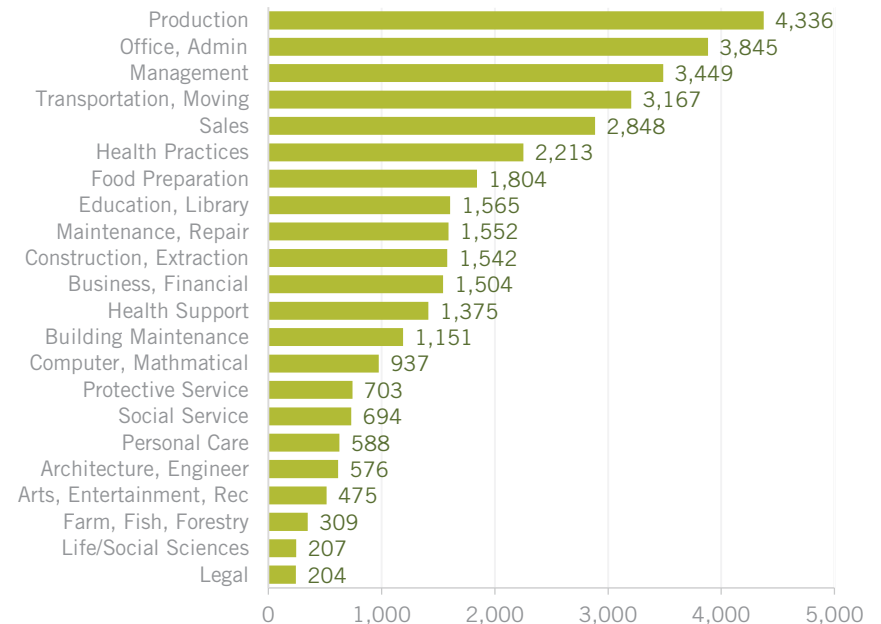
The Fond du Lac MPO area's vibrant business community is made up of 2,537 businesses with 40,630 total employees. White collar workers constitute 57% of the labor force, while 43% of laborers are blue collar and service workers. There are also three college-level campuses within the Fond du Lac MPO: Moraine Park Technical College, Marian University, and UW Oshkosh at Fond du Lac.

Employment Quick Facts



Data source: ESRI Business Analyst 2022

Number of Employees by Occupation



Data source: ESRI Business Analyst 2022

HOUSING & INCOME FOND DU LAC MPO

There are an estimated 26,830 households within 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 will be modest, adding about 3,000 households from 2020 to 2040. In total, 2,572 households receive SNAP benefits and 7,994 receive social security income.

Housing & Income Quick Facts



26,830
TOTAL
HOUSEHOLDS



\$190,406
MEDIAN HOME
VALUE



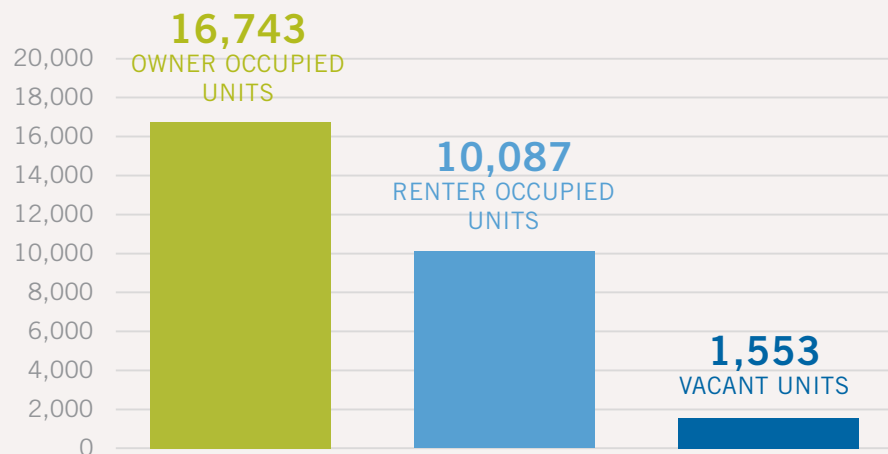
\$66,407
MEDIAN
HOUSEHOLD
INCOME



\$150,095
MEDIAN NET
WORTH

Data source: ESRI Business Analyst 2022

Housing Occupancy Estimates

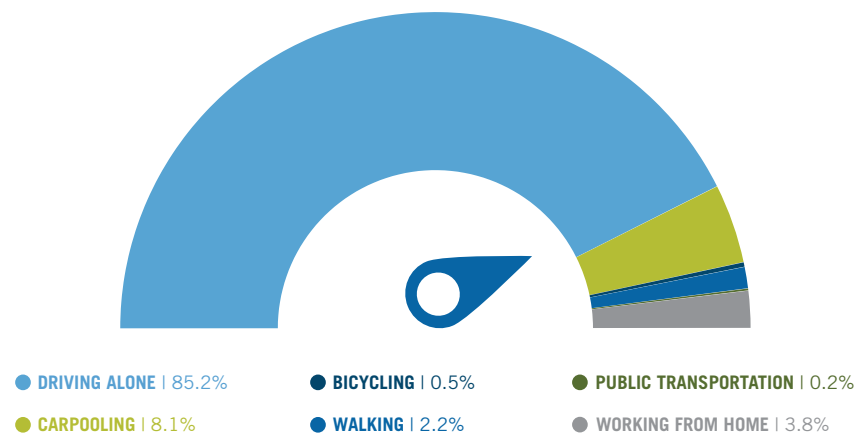


Data source: ESRI Business Analyst 2022

COMMUTING FOND DU LAC MPO

There are approximately 29,390 people commuting within the Fond du Lac MPO planning area. In 2020, 50% of people commuted to work in less than 15 minutes, 31% commuted in 15-30 minutes, and 19% commuted in over 30 minutes. While 88.5% of commuters rely on a personal vehicle to drive to work, it should be noted that 6.4% of households do not have access to a vehicle at all.

Means of Transportation to Work



Data source: ESRI Business Analyst 2022

Vehicle Availability



Data source: ESRI Business Analyst 2022

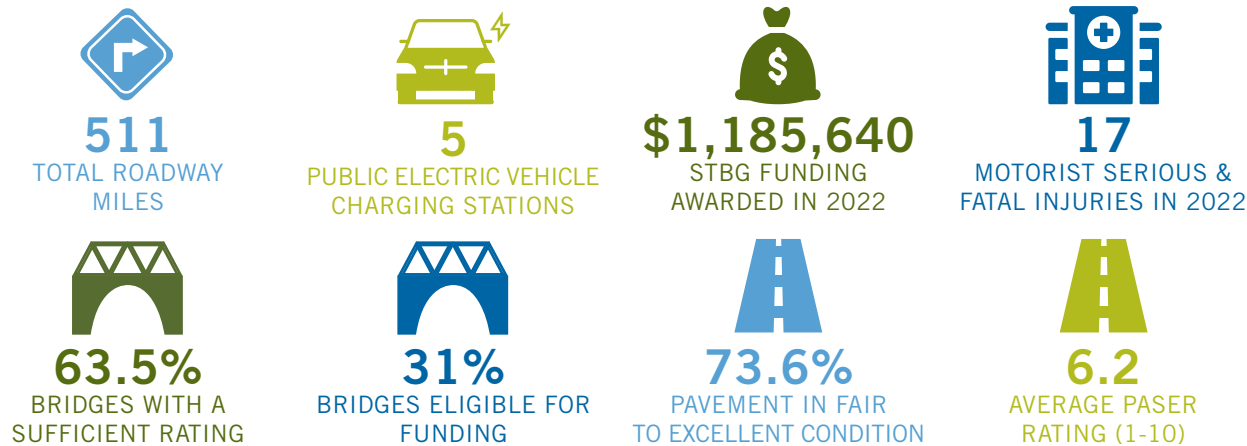


FOND DU LAC MPO PERFORMANCE MEASURES

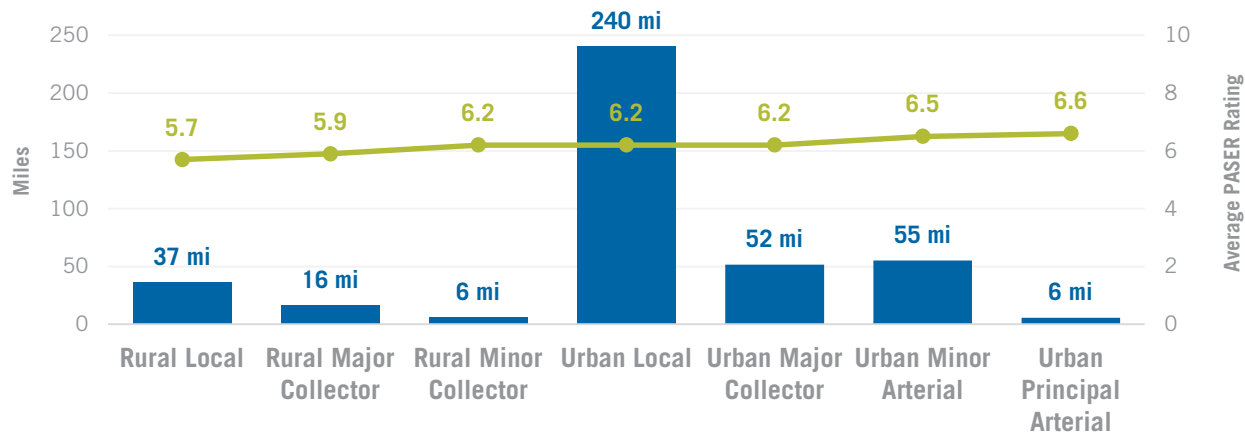
ROADWAYS FOND DU LAC MPO

Roadways and bridges within the Fond du Lac MPO are used to deliver products and connect people to essential resources by car, truck, bike, and bus. Quality roadways help to keep the average daily commute under 30 minutes throughout the region. Surface Transportation Block Grant Program funds are leveraged to resurface, reconstruct, or redesign roads and intersections, with an emphasis on roadway safety for all users. ECWRPC also develops the Transportation Improvement Program (TIP) report annually, highlighting upcoming roadway projects in the MPO.

Roadway Performance Measures



NHS Roadway Mileage by Functional Class and Average PASER Rating

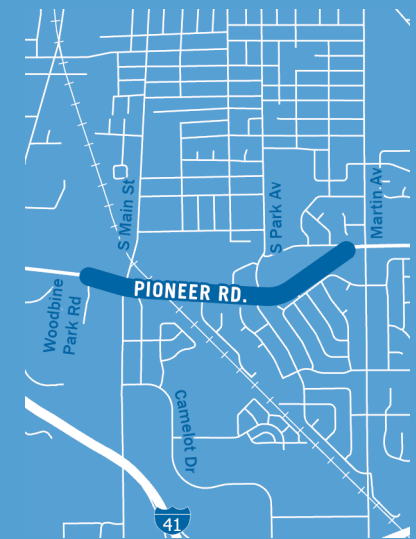


Crash, bridge, PASER, functional class data: WisDOT 2022. EV charging data: BTS 2022. Roadway miles, TIP data: ECWRPC 2022.

ROADWAY FUNDING AWARDED BY ECWRPC IN THE FOND DU LAC MPO

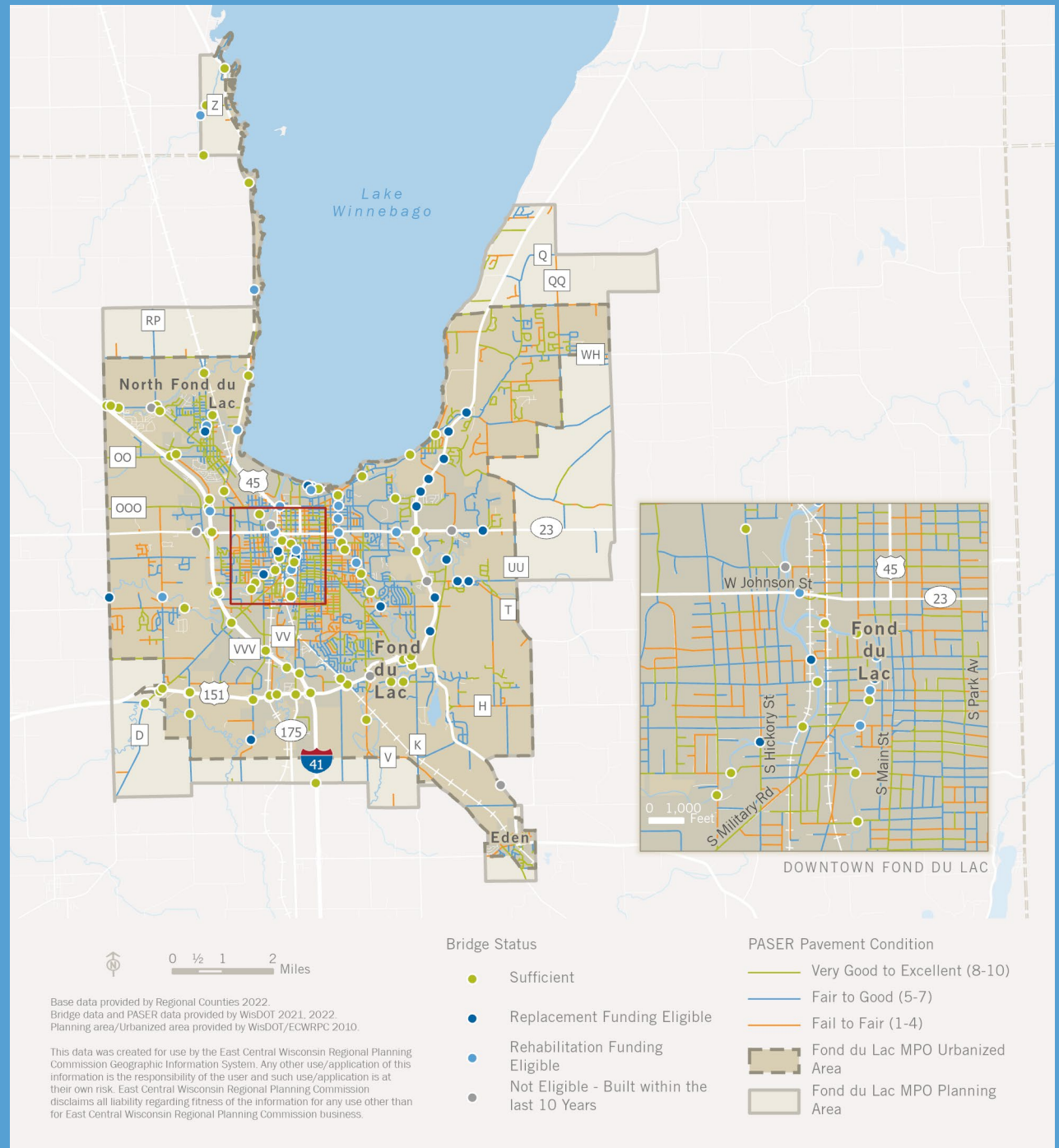
2022

ROADWAY	PIONEER RD.
COMMUNITY	FOND DU LAC COUNTY
FUNDING	STBG (BIL 23)
AMOUNT	\$1,185,640



ROADWAYS

PASER CONDITION & BRIDGE STATUS



TRANSIT FOND DU LAC MPO

Fond du Lac Area Transit (FDLAT) offers eight fixed bus routes that link riders to locations in the City of Fond du Lac and a demand-response service to North Fond du Lac. FDLAT provides paratransit services and a shared ride taxi service for riders beyond 1/4 mile from a bus route. Discounted fares are offered to students and seniors, while those aged four and under ride for free. Transit ridership has been impacted by a change in travel patterns associated with the COVID-19 pandemic. FDLAT provided 99,403 trips in 2021, continuing the 2020 trend. Additionally, Amtrak offers a connecting bus stop in Fond du Lac, making two round trips daily from Green Bay to Milwaukee.

Transit Performance Measures

 **85,635**
FDLAT ANNUAL UNLINKED TRIPS: BUS

 **13,768**
FDLAT ANNUAL UNLINKED TRIPS: DEMAND RESPONSE

 **\$18.14**
FDLAT OPERATING EXPENSES PER UNLINKED PASSENGER TRIP

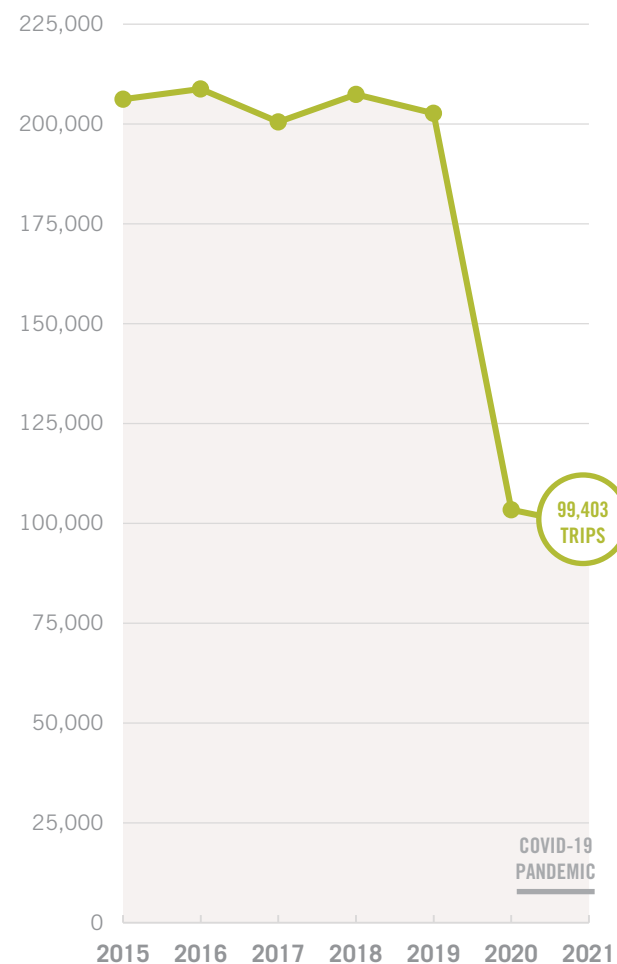
 **\$141,258**
FDLAT TOTAL FARE REVENUES

 **57%**
OF PEOPLE LIVE WITHIN THE 10 MIN. TRANSIT WALKSHED

 **74%**
OF HEALTH CARE FACILITIES ARE LOCATED WITHIN THE 5 MIN. TRANSIT WALKSHED

 **62%**
OF PARKS ARE LOCATED WITHIN THE 5 MIN. TRANSIT WALKSHED

FDLAT: Total Annual Unlinked Trips



Unlinked trips, revenue data: FTA 2021. Population, hospitals, parks data: ECWRPC 2022.

TRANSIT SERVICES IN THE FOND DU LAC MPO



FOND DU LAC AREA TRANSIT
PUBLIC TRANSPORTATION



HANDIVAN
SPECIALIZED TRANSPORTATION

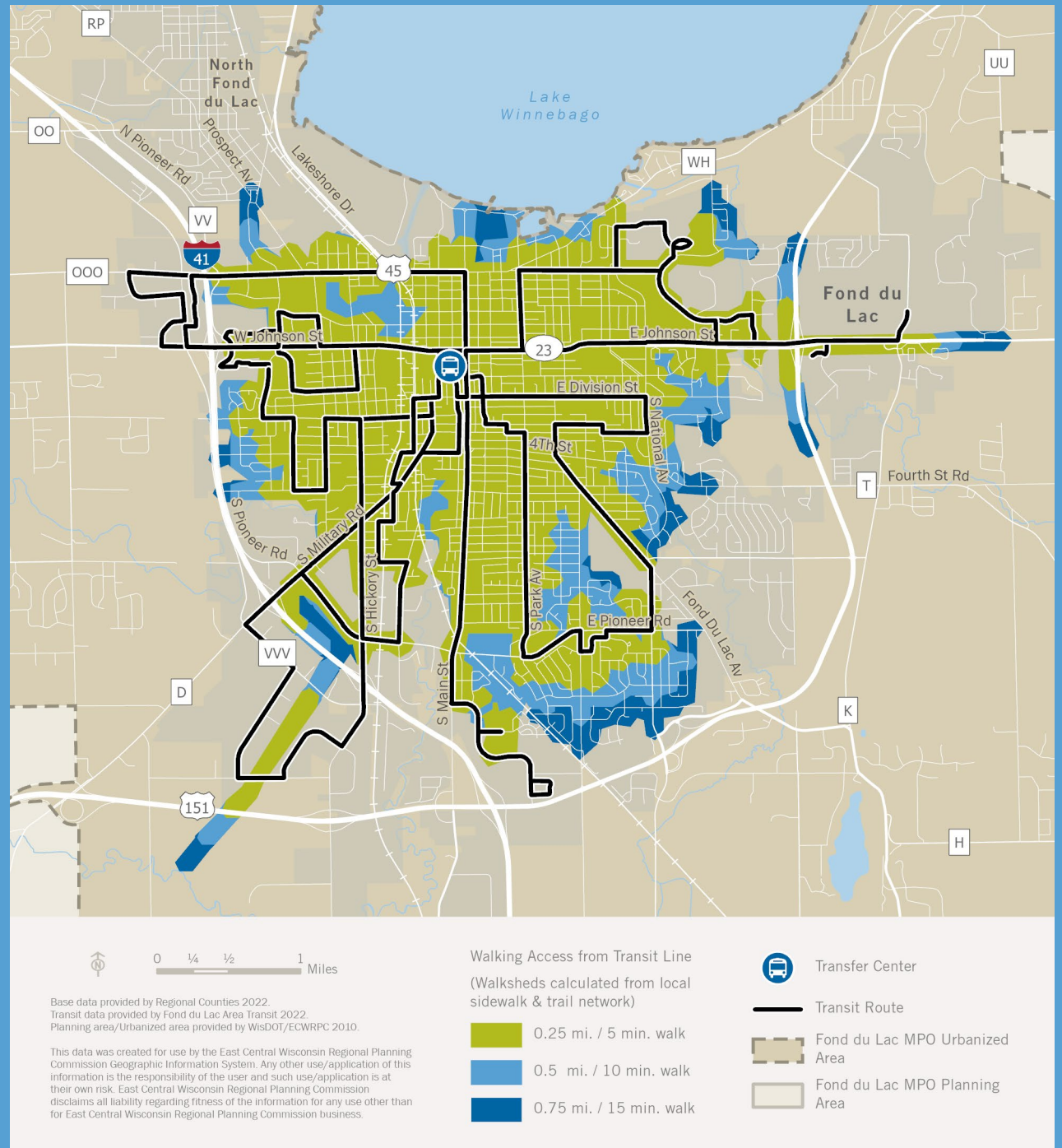


SHARED RIDE TAXI
SPECIALIZED TRANSPORTATION

TRANSIT

FOND DU LAC AREA

TRANSIT WALKSHEDS

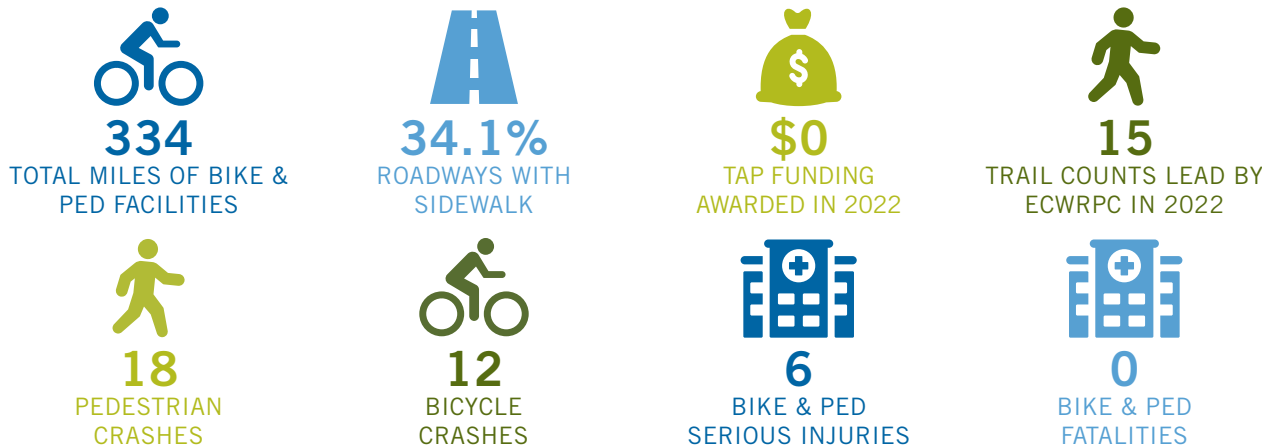


BICYCLE & PEDESTRIAN NETWORK

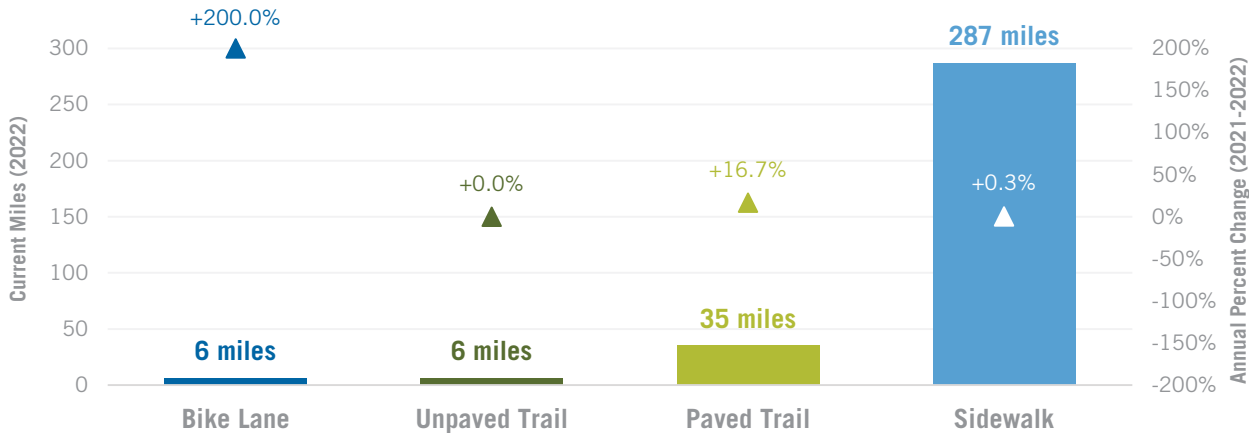
FOND DU LAC MPO

Bicycling and walking are popular forms of recreation and exercise that also serve an important transportation function. Guided by the vision of local, county, and regional plans, the bicycle and pedestrian network in the Fond du Lac MPO is growing steadily. The 2023 Fond du Lac Bicycle and Pedestrian Plan will emphasize the integration of the area's existing trails, including three state trails, into the local network. Notably, a 19-mile trail was constructed in 2022, stretching from Fond du Lac to Plymouth along Wisconsin State Highway 23.

Bicycle & Pedestrian Performance Measures



Bicycle & Pedestrian Facility Mileage and Annual Change



Crash data: WisDOT 2022. Bike/ped facility data: ECWRPC 2022.

COMPLETE STREETS

Complete streets are for everyone, no matter who they are or how they travel. Each street should be examined in its own context to determine the appropriate bicycle and pedestrian facilities.



SPACE FOR PEOPLE

Curb ramps, crosswalks, curb extensions, sidewalks



SPACE FOR BIKES

Bike lanes, trails, wide paved shoulders



SPACE FOR CARS

Roundabouts, narrower travel lanes, traffic calming



SPACE FOR MASS TRANSIT

Bus pullouts, shelters, transit-only lanes



SPACE FOR SHARED MOBILITY

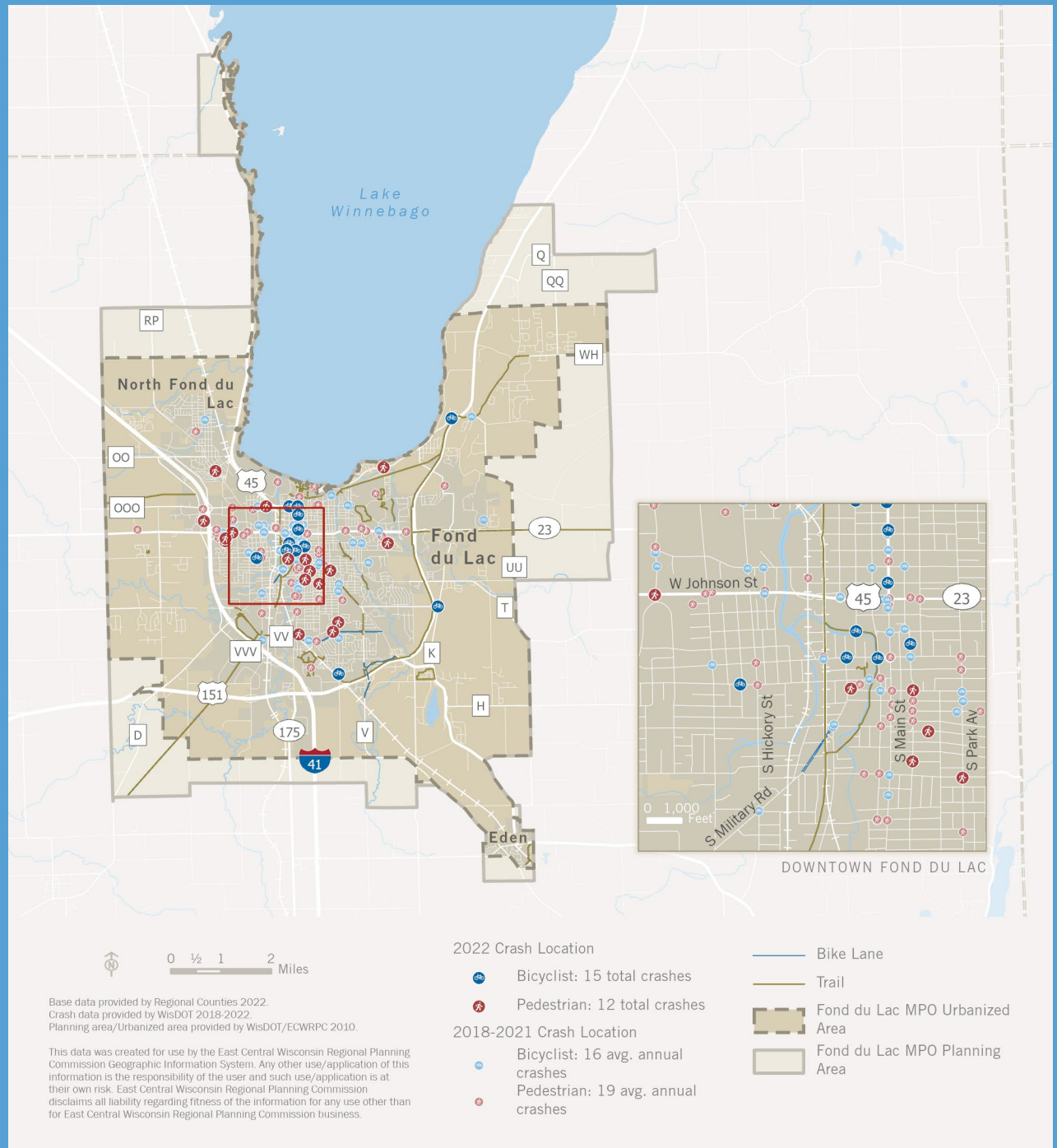
Shared bike and scooter parking, median islands



SPACE FOR COMFORT & CULTURE

Street furniture, parks, public art, lighting
















































BICYCLE & PEDESTRIAN NETWORK CRASH DENSITY



SAFE ROUTES TO SCHOOL FOND DU LAC MPO

By working to make it safer and more appealing for students to walk and bike to school, the Regional Safe Routes to School (SRTS) Program is continually making strides to improve childhood health, reduce traffic congestion and pollution, and create more-livable communities. Current funding for this program allows staff to work with students in Kindergarten through eighth grade. However, new funding from the Bipartisan Infrastructure Law would allow for high schools to participate in programming. In 2022, SRTS staff conducted walk and bike audits for the Fond du Lac School District, with a Local SRTS Action Plan to be completed in 2023.

Annual School Participation

School	Participation
Chegwin Elementary School	
Eden Elementary School	 
Evans Elementary School	   
Lakeshore Elementary School	   
Parkside Elementary School	   
Pier Elementary School	    
Redeemer Lutheran Grade School	 
Riverside Elementary School	   
Roberts Elementary School	  
Rosenow Elementary School	    
Sabish Middle School	   
STEM Institute/ Academy School	 
Theisen Middle School	 
Waters Elementary School	  
Woodworth Middle School	 

-  INTERNATIONAL WALK TO SCHOOL DAY
-  FREQUENT WALKER PROGRAM
-  WINTER WALK TO SCHOOL MONTH
-  WALKING SCHOOL BUS PROGRAM
-  YOUTH ENGAGEMENT PROGRAM
-  BIKE TO SCHOOL MONTH

SRTS Performance Measures



54%
OF ALL K-8 SCHOOLS ARE PARTICIPATING IN THE SRTS PROGRAM



14
SCHOOLS PARTICIPATED IN INTERNATIONAL WALK TO SCHOOL DAY



10
SCHOOLS PARTICIPATED IN BIKE TO SCHOOL MONTH



8
SCHOOLS PARTICIPATED IN FREQUENT WALKER PROGRAM



0
SCHOOLS PARTICIPATED IN YOUTH ENGAGEMENT PROGRAM



4
SCHOOLS PARTICIPATED IN WALKING SCHOOL BUS PROGRAM



11
SCHOOLS PARTICIPATED IN WINTER WALK TO SCHOOL MONTH

SRTS data: ECWRPC 2022.

GUIDING PRINCIPLES THE SIX E'S



EQUITY



ENGAGEMENT



EVALUATION



ENGINEERING

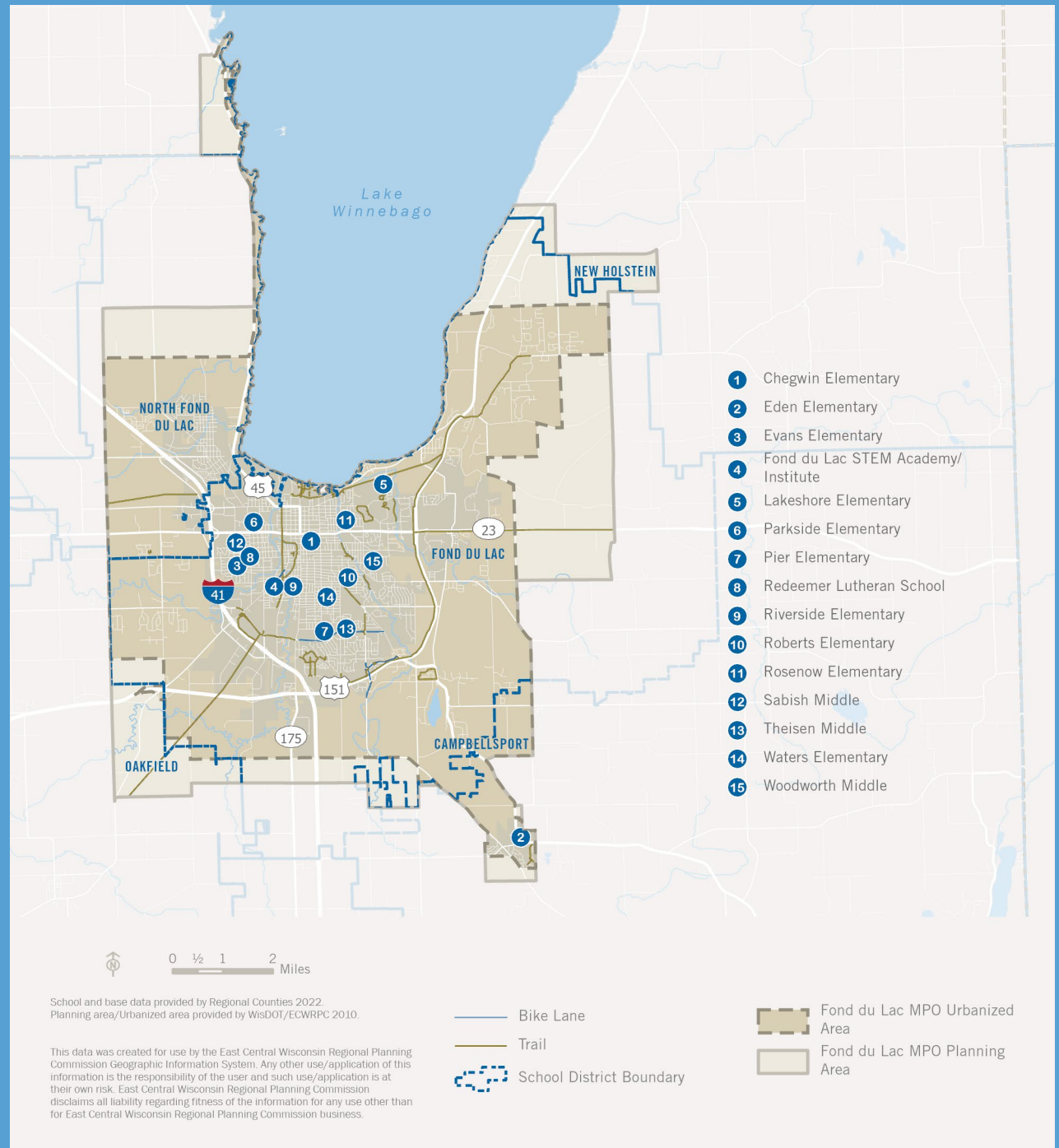


ENCOURAGEMENT



EDUCATION

SAFE ROUTES TO SCHOOL PARTICIPATING SCHOOLS & SCHOOL DISTRICTS

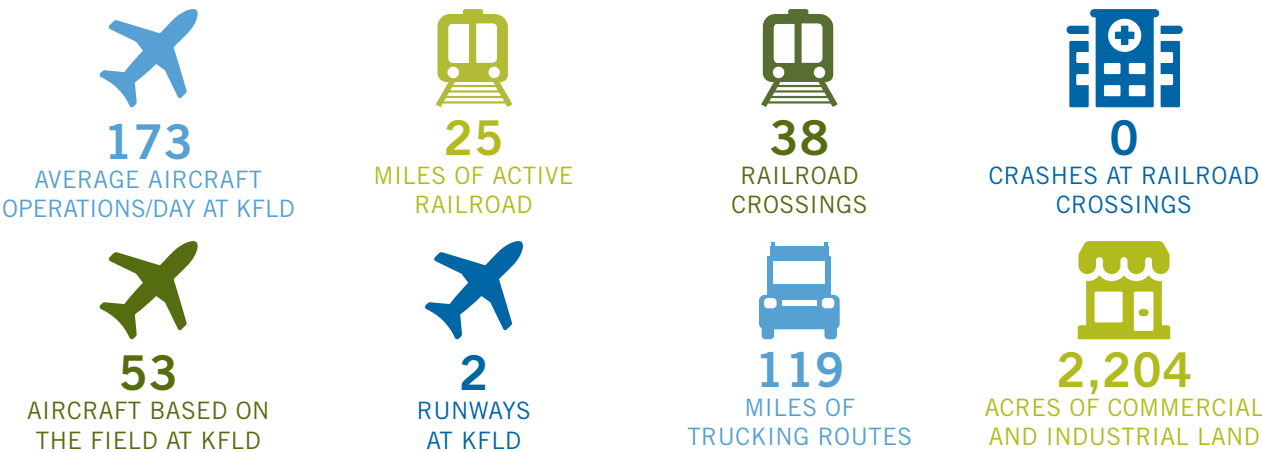


FREIGHT & AIRPORTS

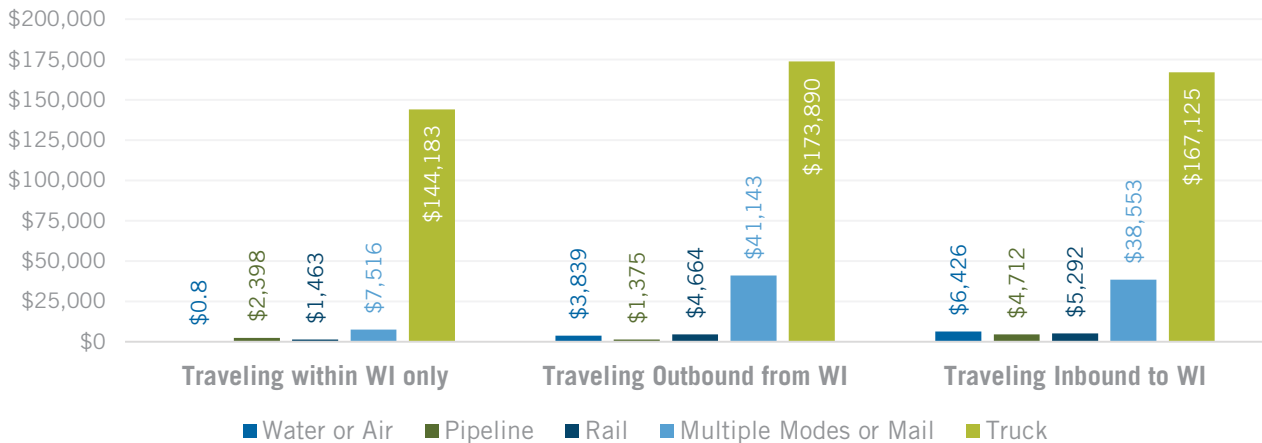
FOND DU LAC MPO

The Fond du Lac MPO area is an optimal place to move freight along rail lines and highways between larger metropolitan areas. Interstate 41, US Route 151, and State Highway 23 connect with the Canadian National (CN) Railway system to form the economic arteries of the region, moving raw materials to manufacturers and finished products to customers. Averaging 173 flights per day, the Fond du Lac County Airport (KFLD) features a 5,941 ft by 100 ft asphalt primary runway, a second 3,602 ft by 75 ft runway, and Fixed Base Operators (FBO) services.

Freight & Airport Performance Measures



Shipment Value by Transportation Mode in Wisconsin (million U.S. dollars)



ALL FREIGHT MOVEMENT IN WISCONSIN

TOP TRADING PARTNERS

STATE	1000 TONS	OVERALL %
WISCONSIN	325,022	69.9%
ILLINOIS	21,436	4.6%
TEXAS	21,347	4.6%
MINNESOTA	21,289	4.6%

TOTAL SHIPMENTS BY WEIGHT

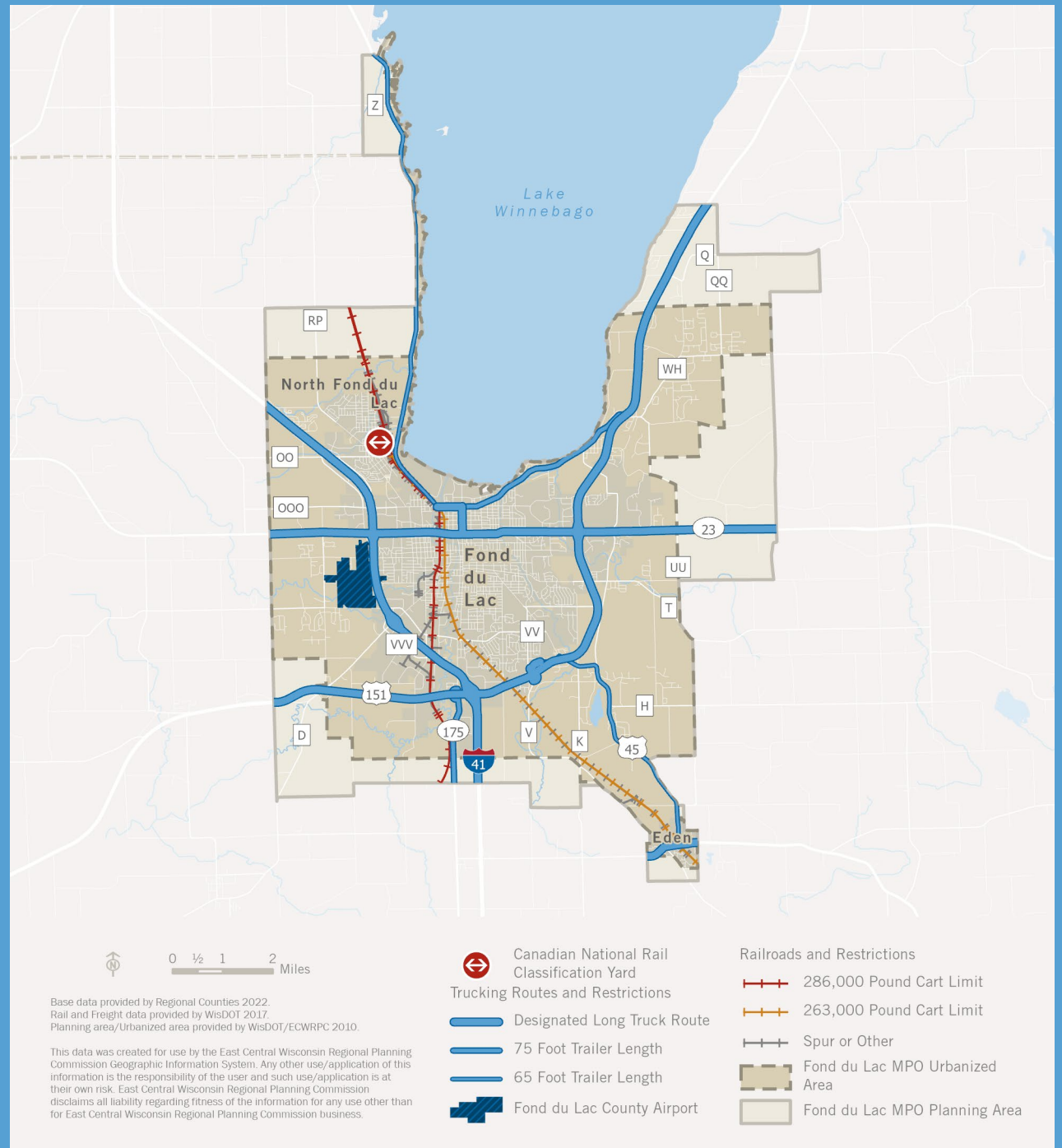
MOVEMENT	1000 TONS
INBOUND	137,956
OUTBOUND	139,865
WITHIN WISCONSIN	325,022
TOTAL	602,843

TOTAL SHIPMENTS BY VALUE

MOVEMENT	MILLION U.S. DOLLARS
INBOUND	\$222,284
OUTBOUND	\$225,190
WITHIN WISCONSIN	\$155,561
TOTAL	\$603,035

Airport data: AirNav accessed 2022. Rail Data: BTS 2022. Freight data: Freight Analysis Framework 2022 projections. Crash data: WisDOT 2022.

FREIGHT & AIRPORTS ROUTES AND RESTRICTIONS





RESOURCES

TRANSPORTATION PROGRAMS & MAP LINKS

East Central Wisconsin Regional Planning Commission (ECWRPC) provides the information and planning services necessary to solve problems that transcend the boundaries and fiscal capabilities of individual governmental jurisdictions. In addition to administering the MPO program, ECWRPC provides planning and technical assistance to participating governments with issues of concern to that jurisdiction. ECWRPC's planning and technical specialists are responsible for the following transportation programs in the Fond du Lac area.



PUBLIC TRANSIT & SPECIALIZED TRANSPORTATION PLANNING

ECWRPC helps communities plan and fund shared ride vehicle services that provide reliable, efficient, and essential connections to all of life's important destinations.



BICYCLE & PEDESTRIAN PLANNING

ECWRPC brings WisDOT, local governments and bicycle/pedestrian advocacy groups together to develop and coordinate multi-modal trail systems and activities.



SAFE ROUTES TO SCHOOL PLANNING

The ECWRPC Regional Safe Routes to School program focuses on empowering local communities and school districts with the resources and knowledge needed to implement SRTS activities.



REGIONAL HIGHWAY CORRIDOR PLANNING

ECWRPC provides a multi-jurisdictional forum for stakeholders that promotes coordination and cooperation between state and federal agencies, local governments, and the public.



FREIGHT PLANNING

ECWRPC coordinates the safe, secure, and efficient movement of freight into, out of, and between communities, ensuring this critical component of economic viability and quality of life runs smoothly.



LONG RANGE TRANSPORTATION PLANNING

ECWRPC researches and outlines planning processes for infrastructure and programs covering all modes of transportation in the region to comply with federal and state planning requirements.



REGIONAL TECHNICAL ASSISTANCE

ECWRPC provides services and guidance to counties and local units of government as part of WisDOT's Regional Transportation Program.



COMMUNITY PLANNING ASSISTANCE

Municipalities can contract with ECWRPC for staff expertise in areas such as Transportation Planning, Regional Comprehensive Planning, Open Space and Recreation Planning, and GIS.

TRANSPORTATION HUB

A variety of online mapping applications are hosted on the ECWRPC Transportation Hub to assist with performance measure monitoring. Click the buttons below to visit each interactive map or dashboard.

