

# Village of Mayville Master Plan

## **Chapter 6: Transportation Improvements**

As a rural community, the Village of Mayville is heavily reliant upon a sound transportation system to encourage growth and development. The safety, effectiveness and efficiency of local transportation systems are key factors in the development, economic vitality, and public safety of communities throughout Michigan. However, public roadways and other transportation infrastructure are extremely expensive facilities to build and properly maintain. As a result, transportation planners prefer to plan these investments carefully and well in advance of the need. On the other hand, unexpected commercial and residential development can place unplanned and uneven demands on road networks. Therefore, community planners consider the existing condition and capacity of local transportation systems and potential future needs when developing a community's comprehensive plan.

Access to major highways is imperative to the success of any business. Mayville is conveniently situated adjacent to M-24, which runs north to M-46 with easy access to I-75 North, and south connecting with the larger cities of Auburn Hills and Detroit. This highway connects with I-69 25 miles south of the village, with easy access to I-75 South, as well as cities such as Lansing and Port Huron. M-15 is 12 miles west of the village, providing convenient access to Bay City and Davison, respectively. The Village is conveniently located within 45 minutes of Saginaw, Flint, Bay City, and Auburn Hills.

State and Federal funded roads are allocated through two different classification systems. State funding is provided through Michigan Public Act 51 of 1951 (Act 51). Under Act 51, roads are classified into the categories listed and described below. *Map 4* illustrate the designation of roads under Public Act 51.

### **State Trunklines**

Roads, streets and highways assigned to the Michigan Department of Transportation (MDOT). MDOT is responsible for the maintenance, construction and improvements to these corridors. Their primary purpose is to facilitate through-traffic movements in conjunction with the State-wide highway system.

The Village of Mayville is served by two state highways. The primary east/west highway is M-46. M-46 traverses the state from Port Sanilac to Muskegon and forms the northern boundary of the Village of Mayville. The primary north/south highway in the area is M-24. M-24 flanks the eastern side of the community, passes through the Village of Mayville, and south through Lapeer into Oakland County.

### **County Primary**

These routes serve longer distance trips between major destination points within the County. Primary roads are planned to facilitate through-traffic movement, while allowing access to homes and businesses.



# Village of Mayville Master Plan

## **County Local**

Roads that provide access to homes and businesses and are designed for short to medium length trips. These roads connect to the Primary and State Trunkline roads.

## **Village Major**

Major routes within a Village's jurisdiction that provide for longer distance trips and higher capacity traffic.

## **Village Local**

Like County Local roads, these roads provide access to homes and businesses and are designed for short to medium length trips.

The *Federal Highway Administration* uses a different classification system called the National Functional Classification (NFC). This system is designed to reflect the function of a roadway, which corresponds with the road's eligibility for certain federal funding opportunities. Under the NFC, roads are classified into the categories listed and described below. *Map 5* illustrate the designation of roads under the Federal System.

## **Arterial**

Relatively high capacity roads which provide unity throughout a contiguous urban area; medium speed/capacity roads for the rest of the county-wide arterial highway system should have minor access control and channelized intersections.

## **Collector**

Relatively low speed/low volume street, typically two lanes for circulation within and between neighborhoods. The roads serve generally short trips and are meant to collect trips from local streets and distribute them to the arterial network.

## **Local Streets**

Low speed/low volume roads which provide direct access to abutting land uses; non-conductive to through-traffic.

## **Traffic Volume**

The volume of traffic that uses a roadway within a 24 hour period is a common measurement of the load or overall use of the roadway. This average daily traffic (ADT) can be used to estimate the desirable *design capacity* of a given roadway to provide safe and effective vehicle travel. *Map 6* illustrates the traffic volume and *Map 7* illustrates the commercial traffic volume of the Village of Mayville. *Table 17* provides the 2004 annual average 24-hour traffic volume and annual average 24-hour commercial traffic volume for three locations within the Village of Mayville. The table indicates that both traffic volume and commercial traffic volume has decreased from 2004 to 2015.



# Village of Mayville Master Plan

**Table 17.  
Traffic Volume Figures, 2004 - 2015**

Sites	2004		2015	
	Traffic Volume	Commercial Traffic Volume	Traffic* Volume	Commercial** Traffic Volume
Mayville	4,100	520	3700	1-300
M-24 (just south of M-24, M-46 intersection.)	4,400	520	4000	1-300
M-46 (just west of M-46, M-24 intersection.)	6,700	550	4900	360

**Source: Michigan Department of Transportation; \* reflects data from Sites near 2015 Sites; \*\* data from specific Sites not provided**

Traffic volumes and other figures are posted annually on the MDOT website and can be found at: <http://mdot.maps.arcgis.com/apps/Viewer/index.html?appid=18a4b2f2ba3b4e079e935f8835862c73>. Map 8 illustrates the transportation network of the Village of Mayville.

## Road Condition

Federal Aid eligible roads are rated for surface conditions under *Michigan's Asset Management Program*. The process of rating roads involves a windshield survey performed by a team of trained representatives from MDOT, Road Commissions, Municipalities, and a Regional Council. The rating (PASER) a road receives suggests where improvement measures are desirable or might be required. Typically, roadways with a PASER rating of 8, 9 or 10 require only routine maintenance such as crack-sealing or street sweeping. Roadways with a PASER rating of 5, 6, or 7 require capital preventative maintenance such as thin overlays, seal coating or joint resealing. Roadways with a PASER rating of 1,2,3 or 4 require structural improvements such as rehabilitation or reconstruction work. As shown below, some of the Federally eligible roads within the Village of Mayville appears to need reconstruction while others appear to need preventative and routine maintenance.

### PASER Rating

Red: 1-4

Yellow: 5-7

Green: 8-9



# Village of Mayville Master Plan

## Public Transportation

Public transportation in the Village of Mayville is provided by Thumbody Express, a reservation based curbside bus service. Service is provided Monday through Friday from 7:00AM to 6:00PM and Saturday from 9:00AM to 1:00PM. The Thumbody Express charges a fee, with special rates for senior and handicap citizens.

## Carpooling

As part of the Michigan Carpool Parking Lot Program (commonly referred to as *park and ride*), MDOT maintains a carpool lot within the Village of Mayville. Located about 1.5 miles east of the Village, on Treasurer Road, the paved lot has a 22 car capacity.

## Rail Service

The southern portion of the Village of Mayville is crossed by the *Huron & Eastern Railway*. The railway is operated by the North America Rail Group – Wyoming and Genesee and runs west to Saginaw and east through Marlette.

## Airports

There is no serviceable airport within the Village of Mayville. However, according MDOT Aeronautics Web site, airports are relatively close by.

Nearest airports include

Serving medium to small planes only.

- Tuscola Area Airport in Caro (10 miles)
- Marlette Airport (20 miles)
- DuPont-Lapeer Airport (20 miles)
- Harry Browne Airport, Saginaw Twp (28 miles)

Those in need of larger planes or international flights will require a trip

- Bishop International in Flint, (38 miles)
- Oakland County International in Pontiac (48 miles)
- MBS International in Saginaw (52 miles)
- Detroit Metro (100 Miles)

## Non-Motorized

Mayville's neighborhoods would benefit from construction of sidewalks and bike paths to facilitate non-motorized transportation. These improvements are needed for public safety, to provide linkages between neighborhoods, and to improve the general appeal of the neighborhoods.

