

Local Road Ratings Report

2026

Friendship Township

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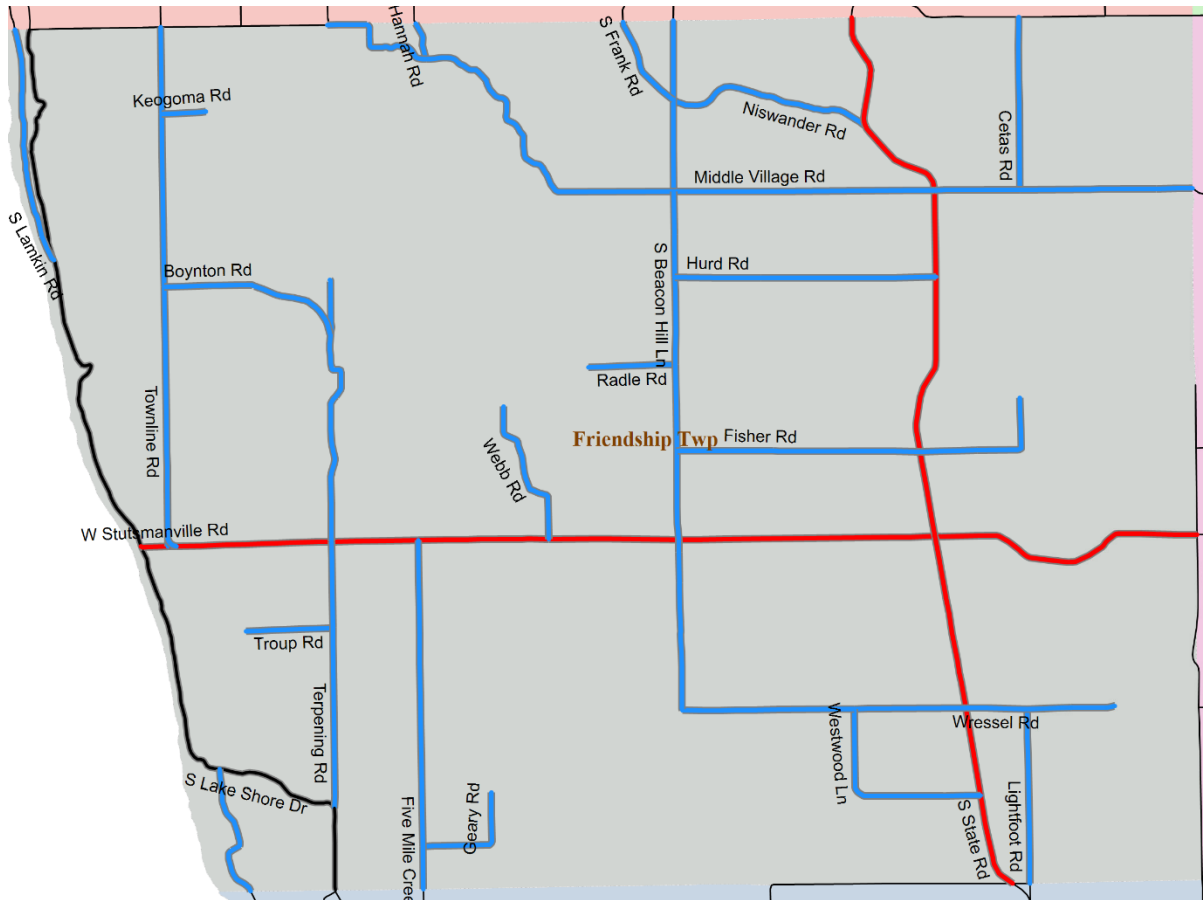
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Asset Management

The goal of the Emmet County Road Commission is to implement comprehensive asset management strategies in the planning, preservation, and improvement of all roads under its jurisdiction. Asset management, as defined by Public Act 199 of 2007, is an ongoing and systematic process of maintaining, upgrading, and operating transportation infrastructure in a cost-effective manner through the use of continuous inventory data, condition assessments, and performance-based decision-making.

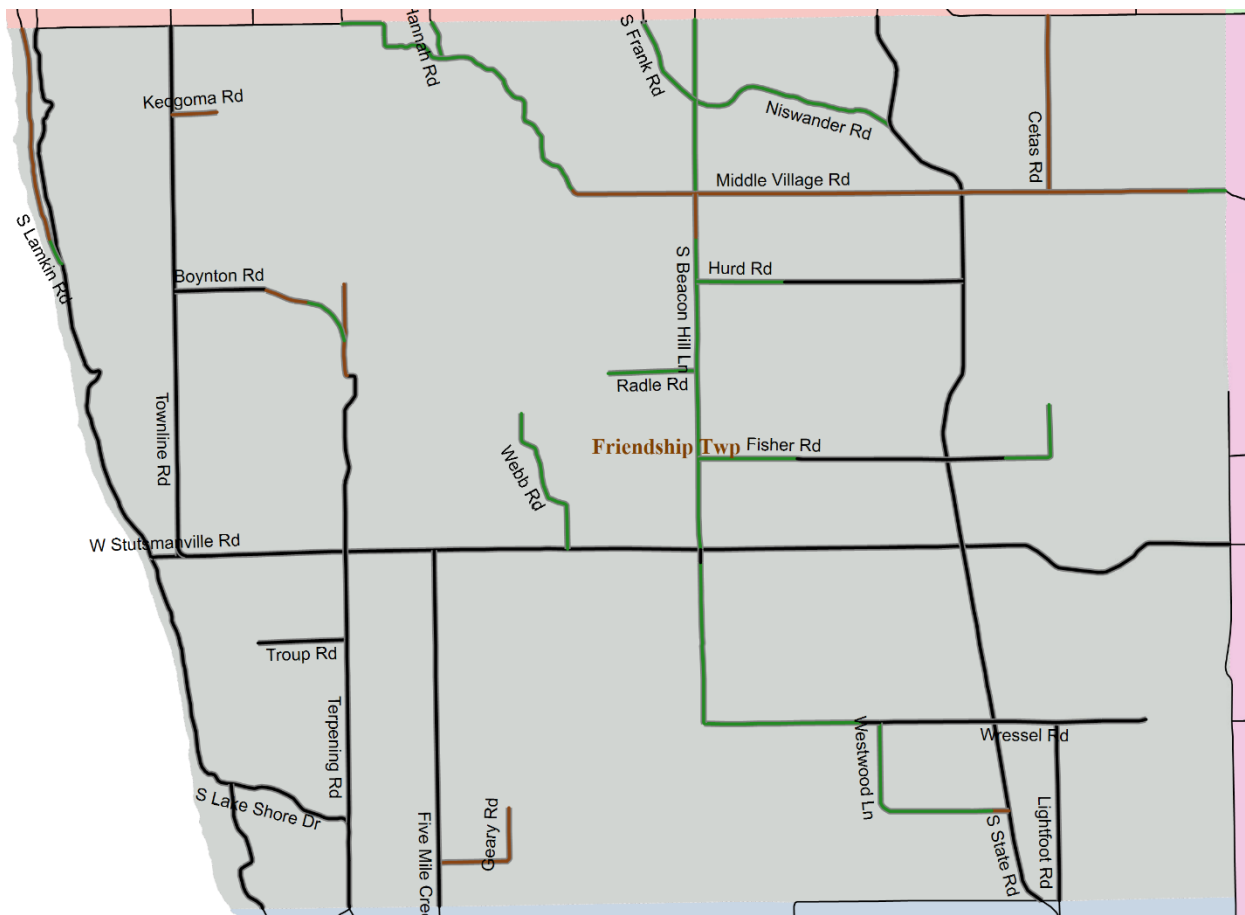
By utilizing sound asset management principles, the Road Commission and participating townships are better positioned to prioritize projects, allocate limited transportation funding efficiently, and make informed long-term investment decisions. This strategic approach supports the preservation of existing infrastructure, extends the service life of roadway assets, enhances public safety and mobility, and maximizes the overall return on investment for taxpayers and the traveling public.

Township Road Maps



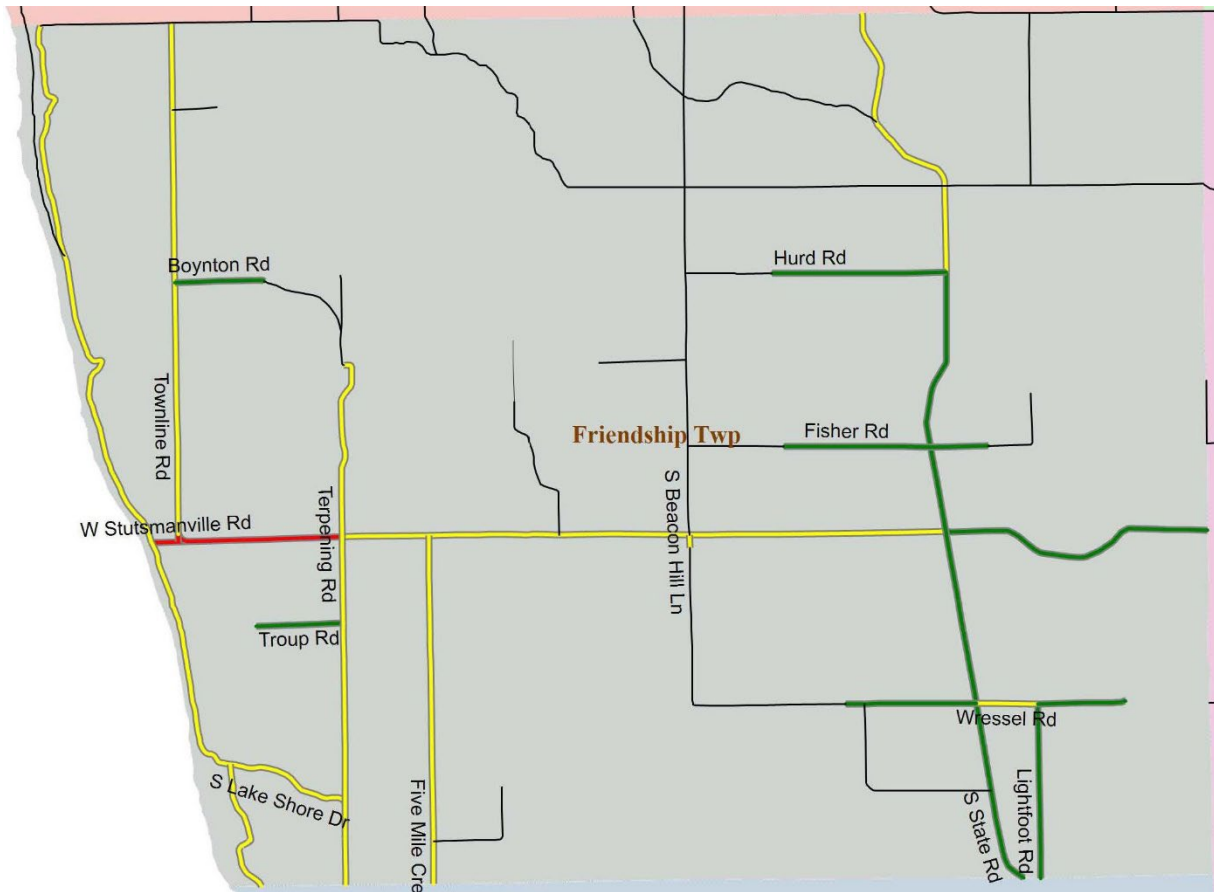
Township Roads

Black = State Highways – **Red** = County Primary Roads – **Blue** = County Local Roads

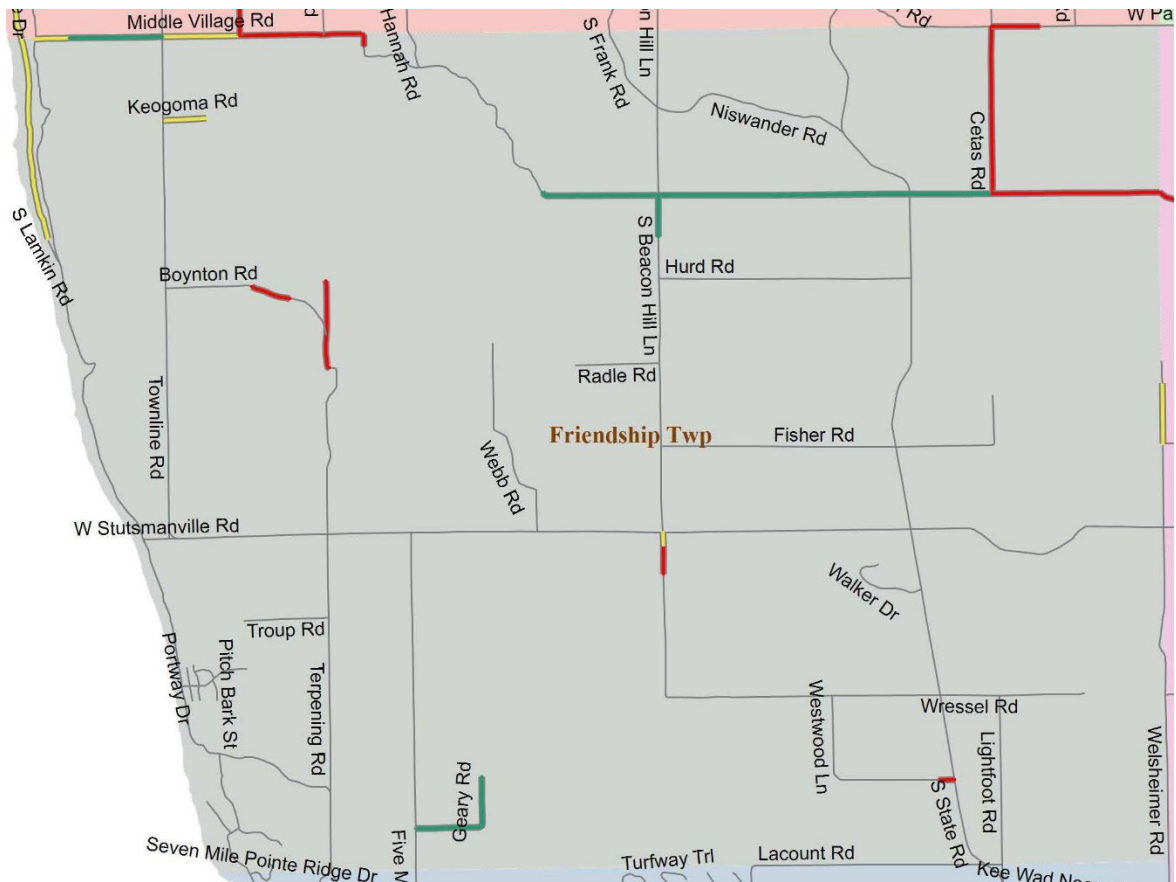


Roads by Surface Type

Black = Pavement – **Brown** = Gravel – **Green** = Seasonal



Good / Fair / Poor Condition
Paved Roads (primary and local)
Green = Good - Yellow = Fair – Red = Poor



Good / Fair / Poor Condition

Gravel Roads (local)

Green = Good - Yellow = Fair – Red = Poor

Road Rating Systems

All local paved roads are rated each year using the PASER Road Rating system (seasonal roads are not included). PASER, or Pavement Surface Evaluation and Rating, is the rating system that is used in collecting data for RoadSoft. The roads are rated on a scale of 1 to 10 according to surface conditions of the pavement. The tables below show the rating and the suggested maintenance that would be required to preserve the road along with an estimated cost of repair.

PASER Rating and Treatments for Paved Roads

Road Rating	Recommended Repair	Estimated* Cost per Mile
10	No maintenance necessary. New Road	\$ 0
9	No Maintenance necessary. Smooth Surface.	\$ 0
8	Minor Crack Sealing	\$ 1,100
7	General Crack Sealing and/or Minor Patching	\$ 2,300
6	Patching and Sealcoat Ultra-thin Asphalt Overlay	\$ 61,400 \$ 125,600
5	Asphalt Wedging Asphalt Wedging and Sealcoat Asphalt Wedging and Ultra-thin Asphalt Overlay 1.5-inch Asphalt Overlay	\$ 92,900 \$ 137,500 \$ 168,600 \$ 168,600
4	Asphalt Wedging and Overlay 2-inch Asphalt Overlay	\$ 223,000
3	Pulverize, gravel and pave 3-inch Asphalt Overlay	\$ 387,100 \$ 342,000
2	Reconstruction.	\$ 515,200
1	Reconstruction. Failed Road.	\$ 515,200

*Estimates will provide project planning level costs. All roads should have a specific estimate completed to address location specific road conditions.

Gravel roads are rated using the Inventory-Based Rating System™ for Gravel Roads (IBR). The IBR system considers three characteristics of a road segment to determine a rating for the segment. Surface width, drainage adequacy and structural adequacy are all evaluated to determine the segment rating.

IBR Rating and Treatments for Gravel Roads

Road Rating	Existing Condition / Recommended Repair	Estimated Cost per Mile
10	No maintenance necessary. New Road	\$ 0
8 – 9	Good crown and drainage throughout. Adequate gravel for traffic. Maintain with grading and dust control.	\$ 650
6 - 7	Existing crown with drainage on 50% or more of roadway. Additional gravel needed in some areas along with ditching.	\$ 80,000
3 - 5	Little or no crown. Ditched on less than 50% of the road. Additional gravel needed on entire road along with ditching.	\$ 125,000
1 - 2	Failed road. Reconstruction.	\$ 295,000

Service Life of Treatments

Service life is defined as the projected duration during which a treatment remains effective before requiring reconstruction or resurfacing. The following table details the anticipated service life for various treatments. To optimize the longevity of both the pavement and the selected treatment, it is imperative to implement preventative maintenance measures prior to the expiration of the expected service life.

Service Life of Treatments for Paved Roads

Road Rating	Recommended Repair	Expected Service Life (years)
8	Minor Crack Sealing	5
7	General Crack Sealing and/or Minor Patching	5
6	Patching and Sealcoat Ultra-thin Asphalt Overlay	7 7 – 10
5	Asphalt Wedging Asphalt Wedging and Sealcoat Asphalt Wedging and Ultra-thin Asphalt Overlay 1.5-inch Asphalt Overlay	7 7 – 10 10 10
4	Asphalt Wedging and Overlay 2-inch Asphalt Overlay	12 – 15
3	Pulverize, gravel and pave 3-inch Asphalt Overlay	15 – 25
2	Reconstruction.	25 - 30
1	Reconstruction.	25 - 30

For instance, a road maintaining a PASER rating of 6 may be a candidate for an ultra-thin asphalt overlay. Although this treatment typically provides an expected service life of 7 to 10 years, proactive preventative maintenance, such as crack sealing, may be necessary as early as the second year.

The expected service life may be compromised if underlying soil conditions are not adequately addressed during the treatment process. Furthermore, the selection of an alternative or non-recommended treatment will likely reduce the anticipated service life, necessitating earlier intervention and more frequent preventative maintenance.

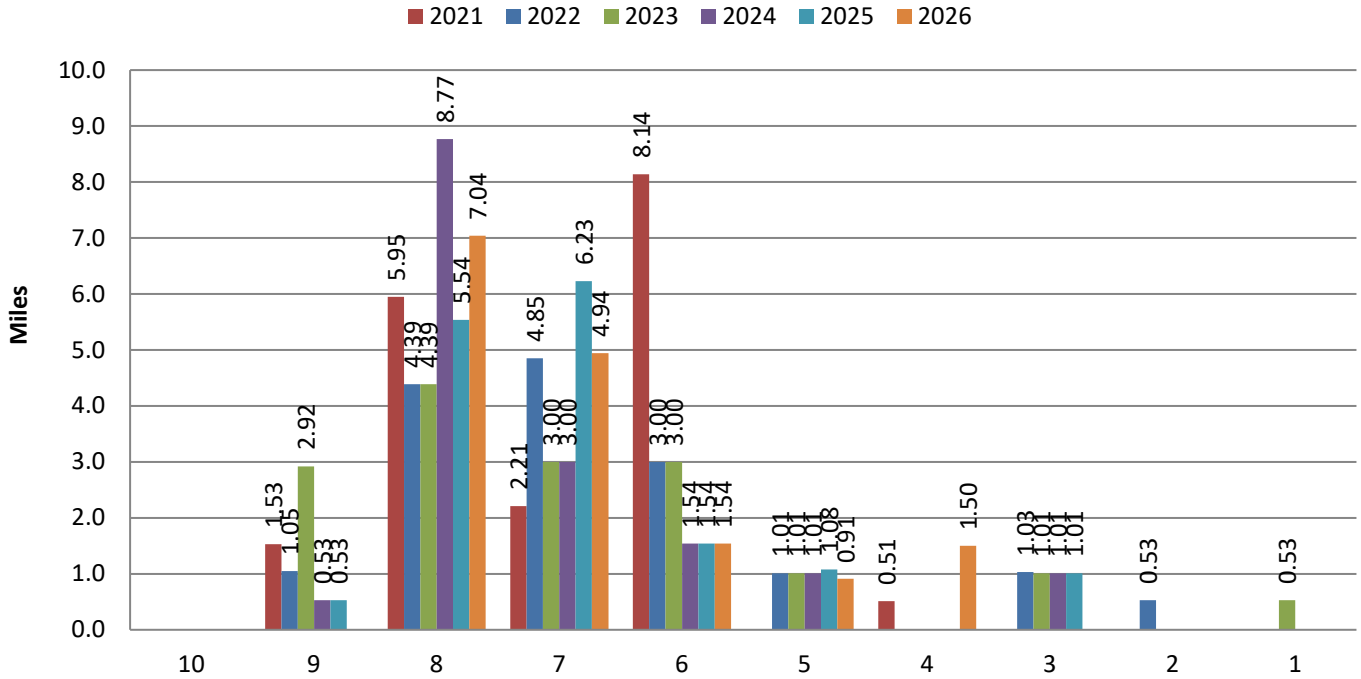
The prediction of service life for gravel roads is inherently complex, as conditions are subject to rapid fluctuations based on environmental factors, the frequency of grading, and traffic volume.

Friendship Township Paved Local Road Ratings

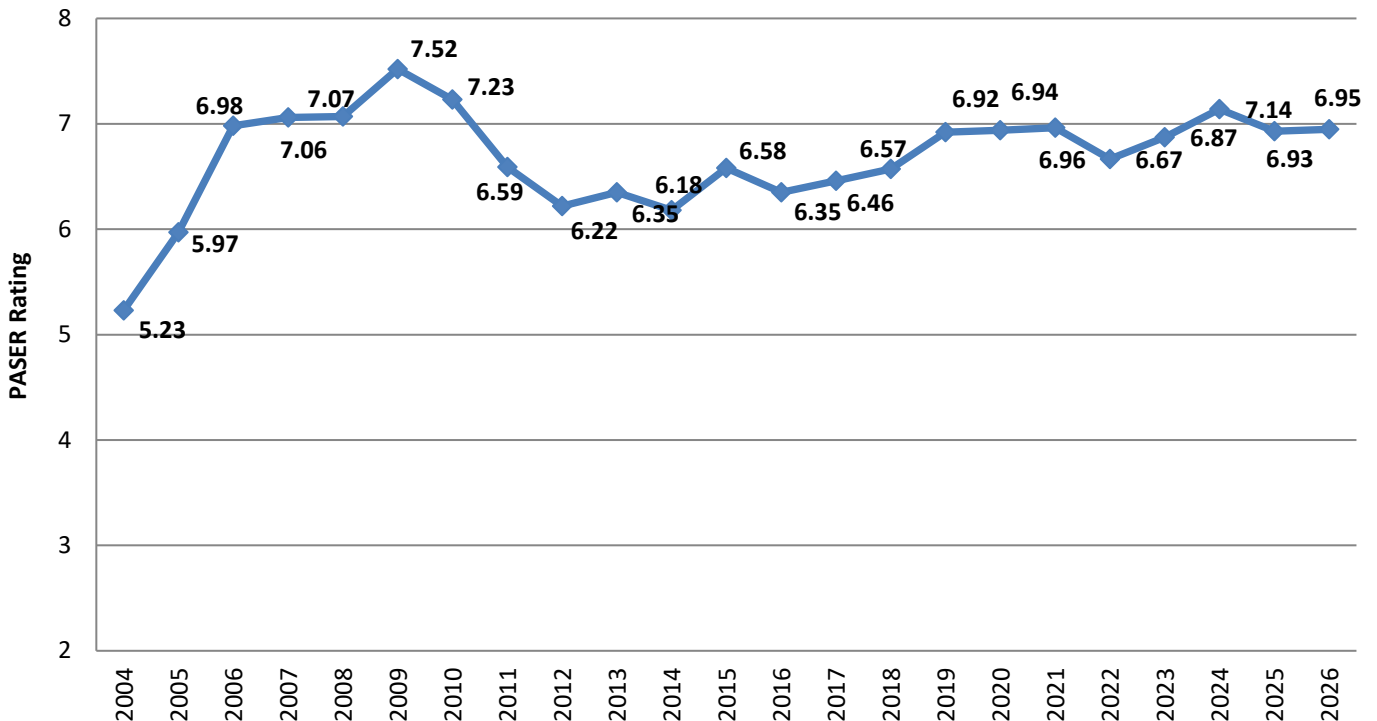
Current Paved Road Ratings

PASER Rating	Road Name	Limits	Length (miles)
10			
9			
8	Boynton Road	West Townline Rd to the seasonal road.	0.50
	Fisher Road	Seasonal road (west end) then east to seasonal road.	1.24
	Lacount Road	Hughston Rd to Lightfoot Rd.	1.50
	Lightfoot Road	Lacount Rd to Wressel Rd.	1.01
	Hurd Road	State Rd to the seasonal road.	1.01
	Troup Road	Terpening Rd to end of the road.	0.50
	Wressel Road	Lightfoot Road then east to end of the road.	0.53
	Wressel Road	State Road then west to seasonal road.	0.75
7	Five Mile Creek Road	Township line to Stutsmanville Rd.	2.04
	Terpening Road	Stutsmanville Rd then north to end of pavement.	1.05
	West Townline Road	Boynton Rd to Middle Village Rd.	1.50
	Wressel Road	State Rd to Lightfoot Rd.	0.35
6	Terpening Road	M-119 to Stutsmanville Rd.	1.54
5	Beacon Hill Lane	Stutsmanville Rd then south to end of pavement.	0.07
	Lower Shore Drive	Township Line to M-119	0.84
4	West Townline Road	Stutsmanville Rd to Boynton Rd.	1.50
3			
2			
1			

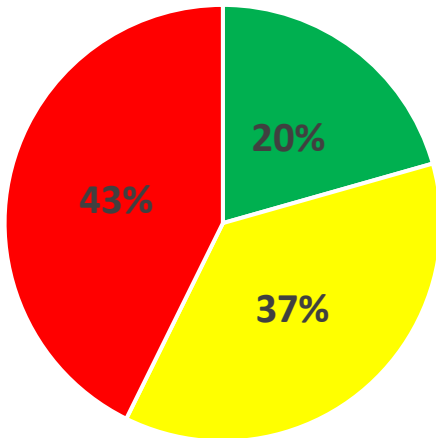
2022 - 2026 PASER Ratings for Paved Local Roads



Average PASER Rating for Paved Local Roads

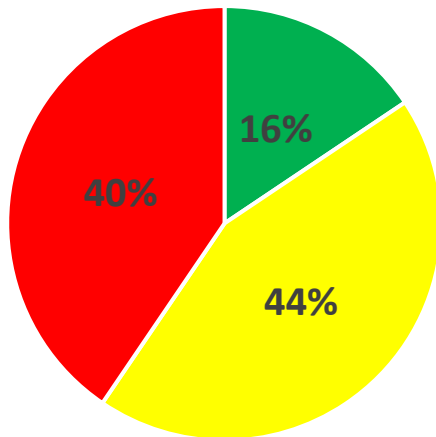


Statewide Paved Local Roads



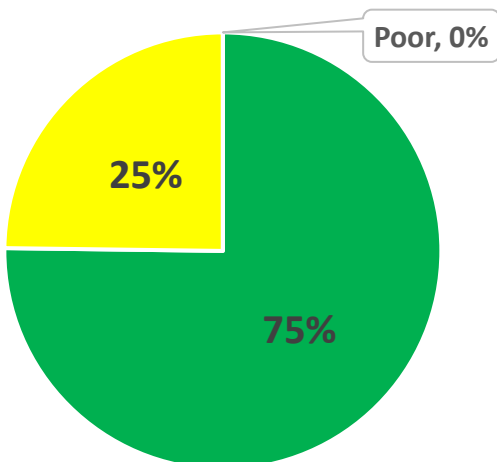
Condition of paved local roads across the State

County Paved Local Roads



Condition of paved local roads in Emmet County

Township Paved Local Roads



Condition of paved local roads in Friendship Township

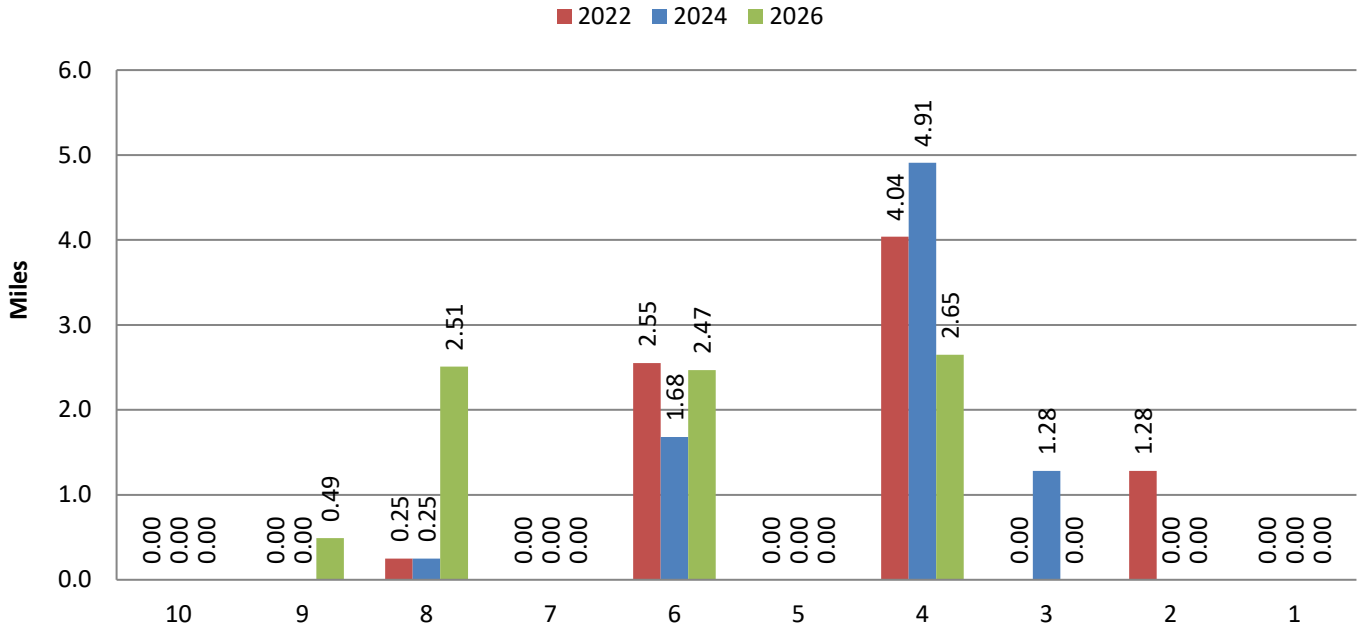
Good = PASER Rating 10-9-8 / **Fair** = PASER Rating 7-6-5 / **Poor** = PASER Rating 4-3-2-1

Friendship Township Gravel Local Road Ratings

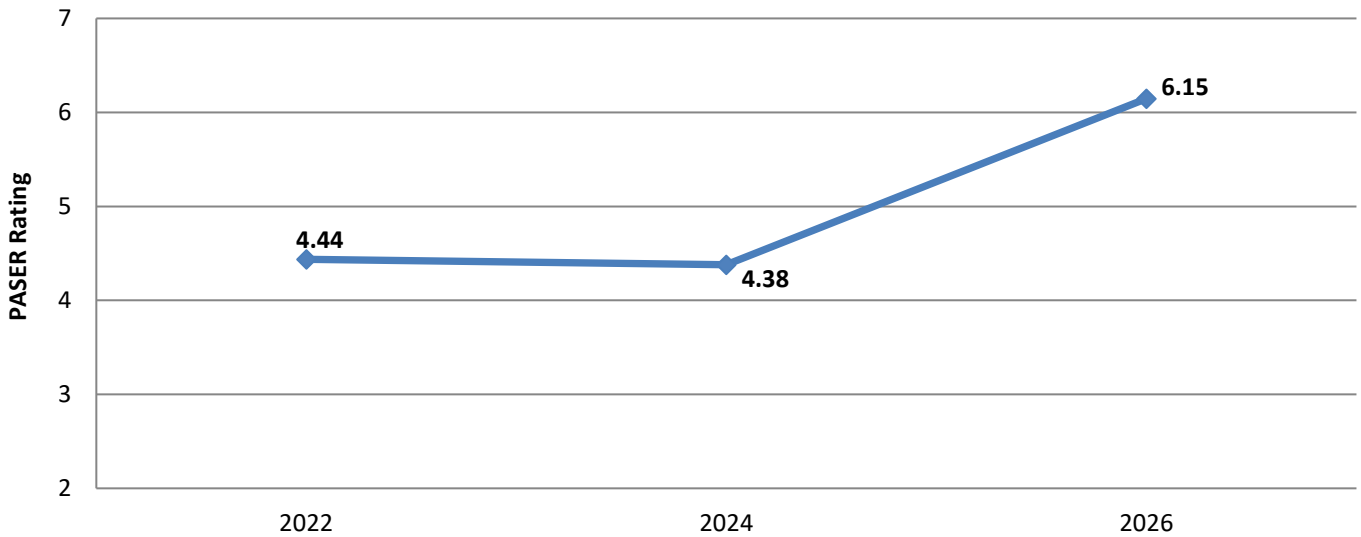
Current Gravel Road Ratings

IBR	Road Name	Limits	Length (miles)
10			
9	Middle Village Drive	State Rd to Cetas Rd.	0.49
8	Beacon Hill Lane Middle Village Drive	Middle Village Rd then south to seasonal road. Hannah Rd to State Rd.	0.25 2.26
7			
6	Beacon Hill Lane Geary Road Kawegoma Road Lamkin Road	Stutsmanville Rd then south to seasonal road. Five Mile Creek Rd to end of road. West Townline Road to end of road. Township Line to the seasonal road.	0.25 0.69 0.25 1.28
5			
4	Boynton Road Cetas Road Middle Village Drive Terpening Road Westwood Lane	End of pavement then east to seasonal road. Middle Village Dr to Palmer Rd. Cetas Rd to the seasonal road. End of pavement to end of road. State Rd then west to seasonal road.	0.25 1.00 0.78 0.52 0.10
3			
2			
1			

2023 - 2026 IBR Ratings for Gravel Local Roads



Average IBR Rating for Gravel Local Roads



Friendship Township Seasonal Roads

Seasonal roads are the unpaved trails and back roads located throughout the County. They are often narrow, sandy, swampy, and hard to drive on. Typically, Seasonal Roads are not much more than graded dirt with little to no gravel; these roads are not designed to handle a lot of traffic. The Emmet County Road Commission was authorized to create a system of Seasonal Roads by MCL 247.655a, Sec. 5. The network of Seasonal Roads is not maintained during the months of November through April and are not open to public travel. Regular maintenance on the Seasonal Road network can be in the form of annual inspection of condition, light grading, tree removal and water hole repairs. Maintenance of Seasonal Roads is typically lower priority for the Road Commission unless the road is completely impassable.

FRIENDSHIP	Total Length (miles)	12.75
Road - Limits	Length	
Beacon Hill Lane - starting 1300 feet south of Middle Village Rd to Stutsmanville Rd	1.81	
Beacon Hill Lane - starting 1300 feet south of Stutsmanville Rd to Wressel Rd	0.75	
Beacon Hill Lane - Middle Village Rd to the Township Line	0.99	
Boynton Road - starting 0.75 miles east of Townline Rd to Terpening Rd	0.33	
Fisher Road - Beacon Hill Ln then east 0.50 miles	0.50	
Fisher Road - Starting 0.33 miles east of State Rd to end of road	0.54	
Frank Road - Beacon Hill Ln then north to Township line	0.52	
Hannah Road - Middle Village Road to Township line	0.21	
Hurd Road - Beacon Hill Ln then east 0.50 miles	0.50	
Middle Village Drive - starting 0.75 miles west of Beacon Hill Ln to Township Line	1.67	
Middle Village Drive - starting 0.78 miles east of Cetas Rd then 0.22 miles	0.29	
Niswander Road - State Rd to Beacon Hill Ln	1.08	
Raddle Road - Beacon Hill Ln then west 0.50 miles	0.50	
Lamkin Road - M-119 then NW to bottom of Hill	0.16	
Webb Road - Stutsmanville Rd then north 0.89 miles	0.89	
Westwood Lane - Starting 0.10 miles west of State Rd to Wressel Rd	1.15	
Wressel Road - starting 0.75 miles west of State Rd to Beacon Hill Ln	0.86	

Traffic Volumes on Friendship Township Roads

Traffic counts are recorded each year at various locations in the Township. The data is adjusted to account for day of the week, month and road classification resulting in an average annual daily traffic (AADT) for the location.

Road Name and Location	ADT
Lacount Road West of State Road	196
Terpening Road South of Stutsmanville Road	130
West Townline Road South of Middle Village Rd.	271
West Townline Road North of Stutsmanville Rd.	343