

Local Road Ratings Report

2025

Friendship Township

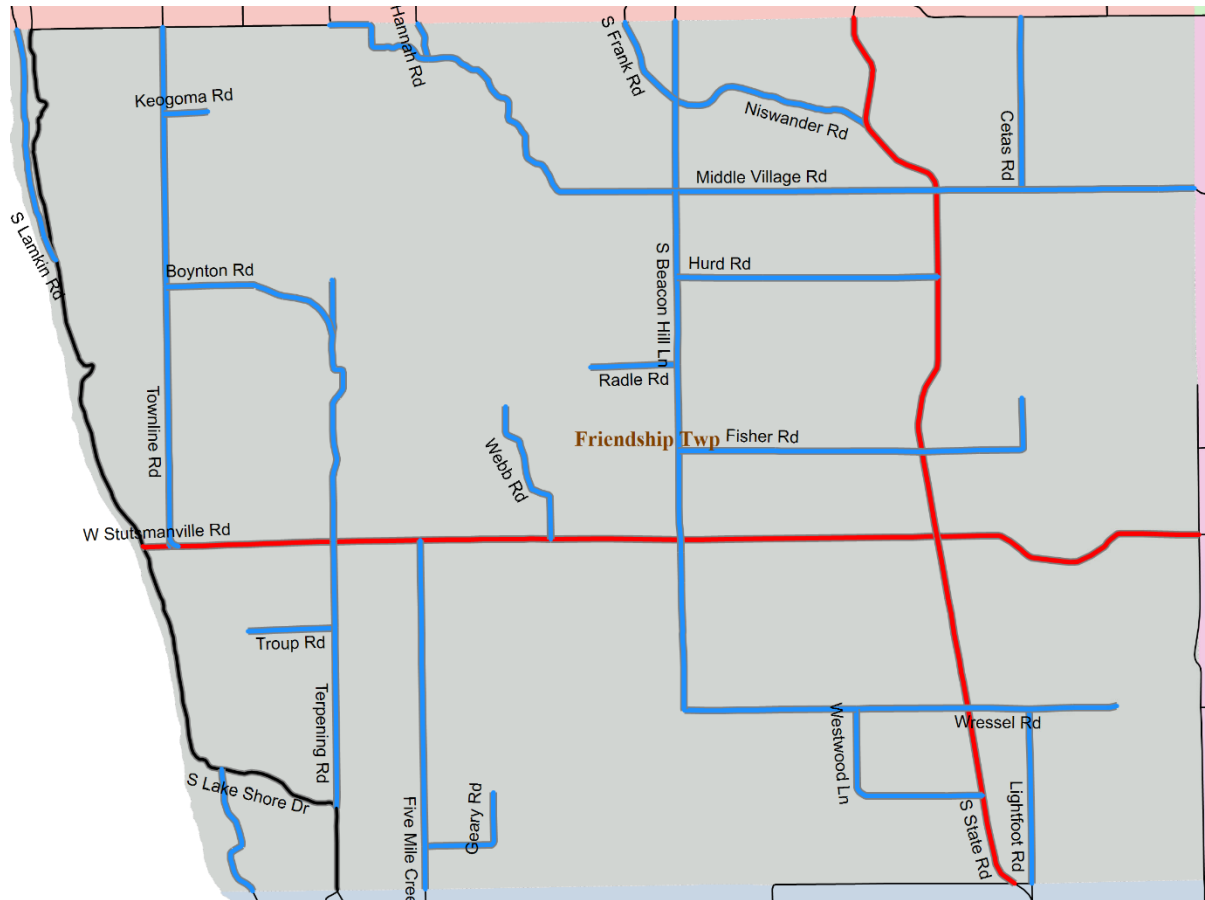
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Asset Management

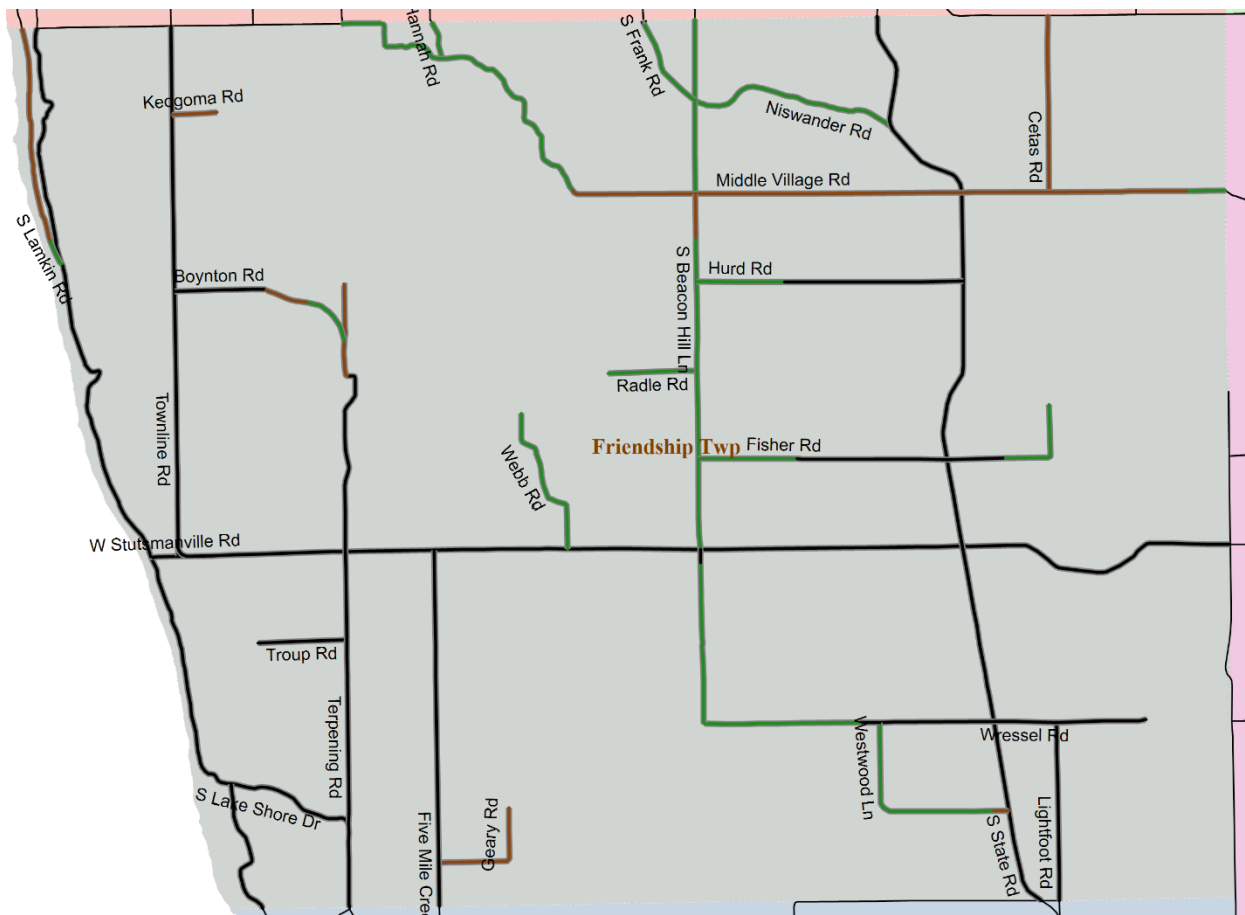
The goal of the Road Commission is to use Asset Management Strategies when planning projects for the roads under the jurisdiction of the Emmet County Road Commission. Asset management, as defined by Public Act 199 of 2007, is an “ongoing process of maintaining, upgrading and operating physical assets cost-effectively, based on a continuous physical inventory and condition assessment. Using asset management will allow the Road Commission and Township to invest the available road funds in a manner that will provide the greatest return.

Township Road Maps



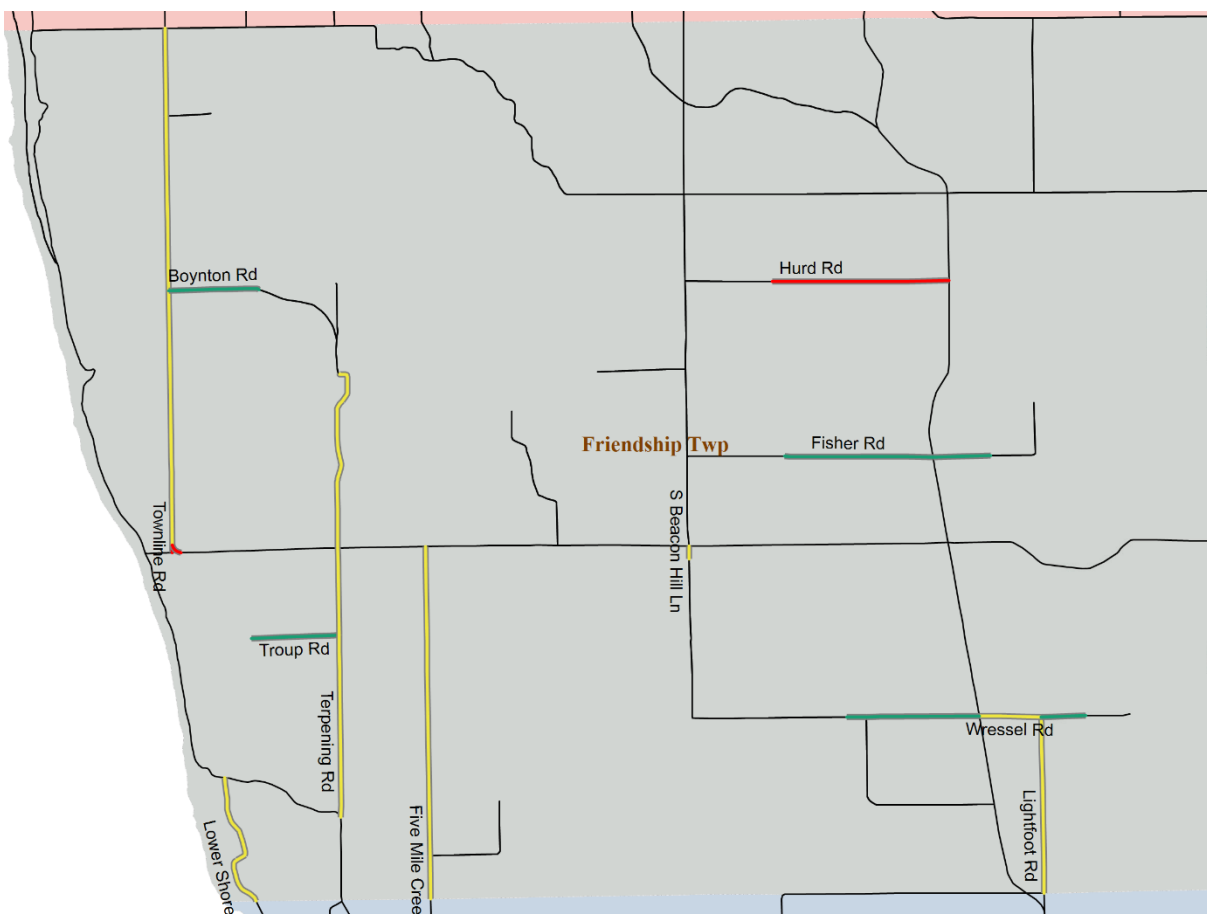
Township Roads

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

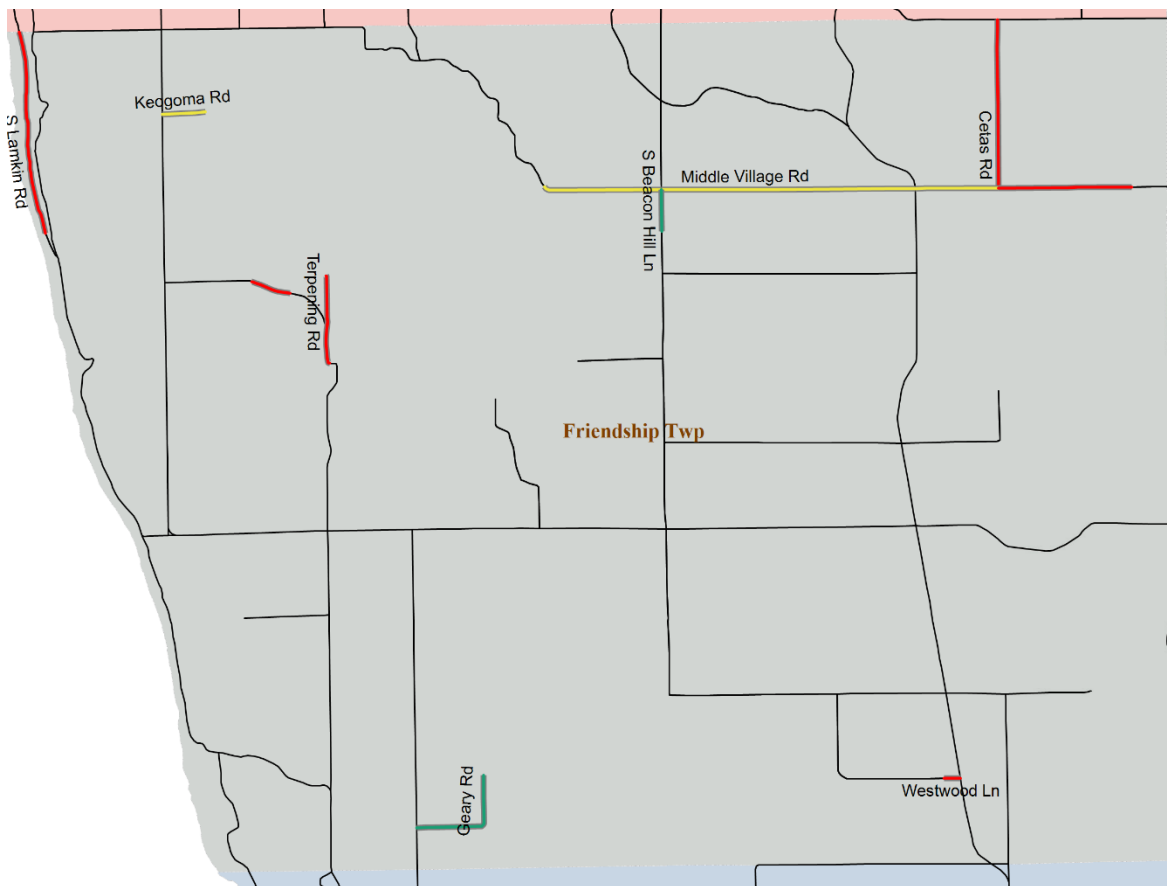


Roads by Surface Type

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 the expected time that a treatment will last before needing further reconstruction or resurfacing. In the table below, an expected service life for a particular treatment is listed. Before a treatment reaches the expected service life, preventative maintenance should be performed. Preventative maintenance will extend the expected service life of the pavement and treatment.

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 example, if a road has a PASER rating of 6, a treatment of a ultra-thin asphalt overlay is selected. The expected service life for an ultra-thin asphalt overlay is 7- 10 years. Preventative maintenance in the form of crack sealing may be required after 2 years.

Expected service life may be shorter if the road is on poor soils that are not addressed as part of the treatment. If a project is selected that is not the recommended treatment, the service life listed in the table above will be shorter and preventative maintenance will need to be performed sooner.

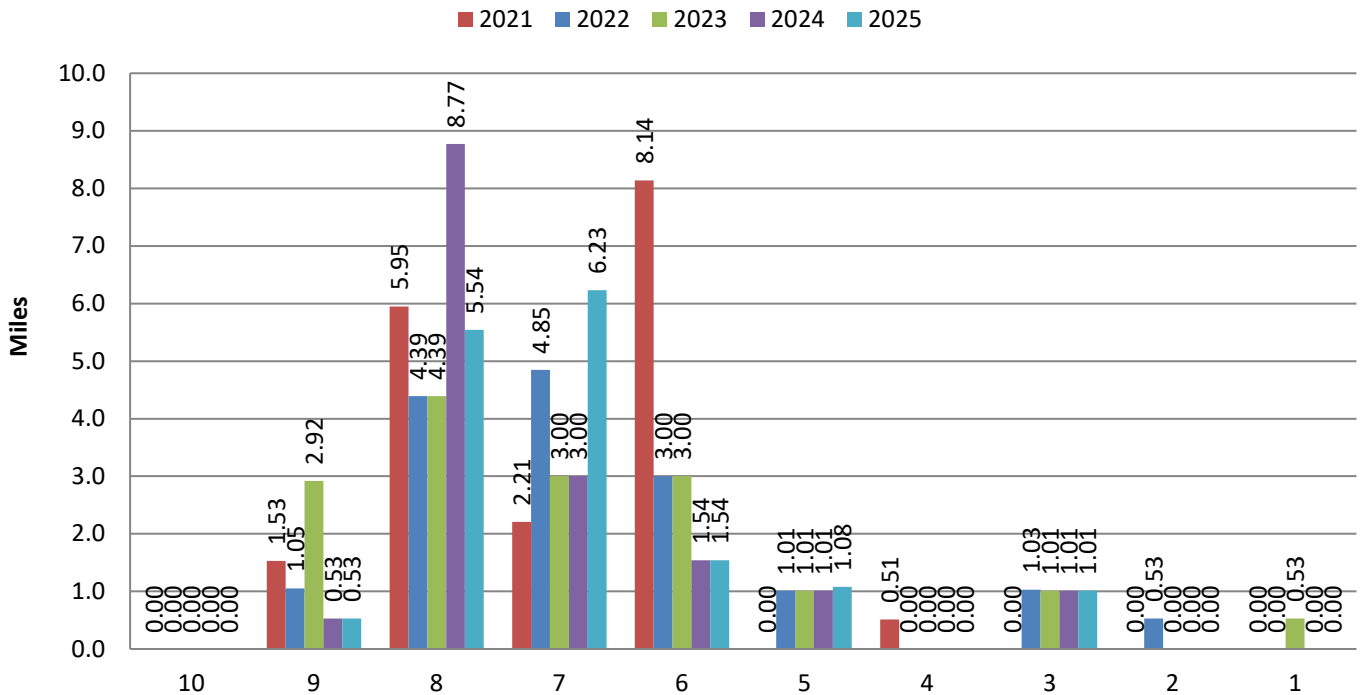
Service Life for a gravel road is difficult to predict. Gravel road conditions can change rapidly based on weather, grading and traffic effects on the roads.

Friendship Township Paved Local Road Ratings

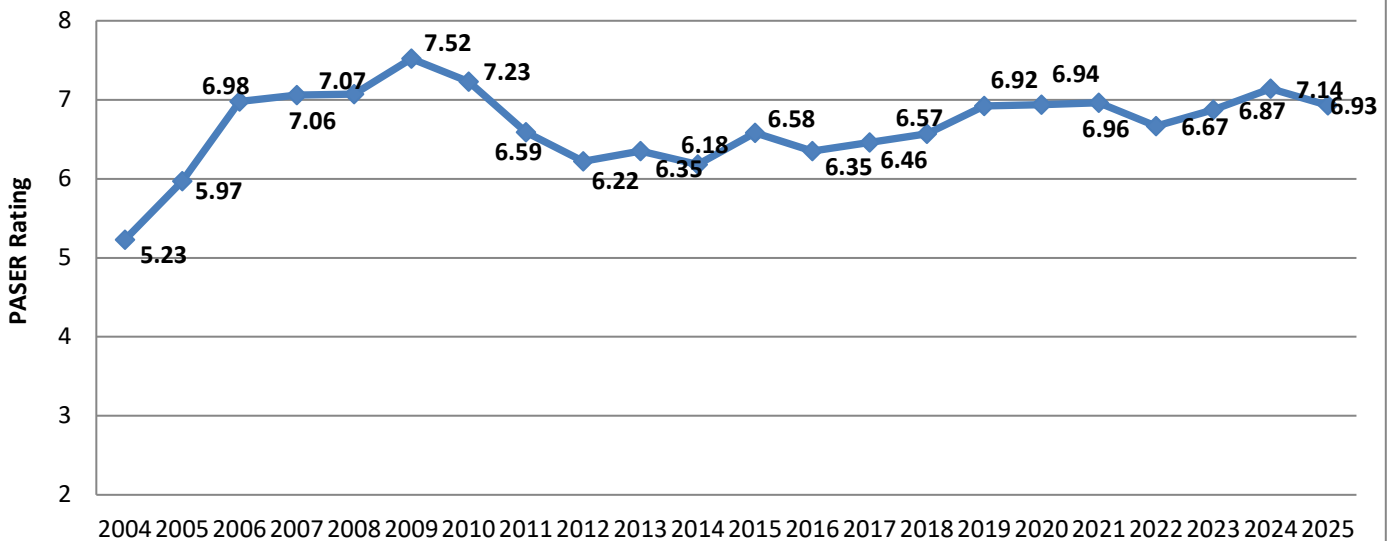
Current Paved Road Ratings

PASER Rating	Road Name	Limits	Length (miles)
10			
9	Wressel Road	Lightfoot Road then east to end of the road.	0.53
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
	Terpening Road	Stutsmanville Rd then north to end of pavement.	1.05
	Troup Road	Terpening Rd to end of the road.	0.50
	Wressel Road	State Road then west to seasonal road.	0.75
7	Five Mile Creek Road	Township line to Stutsmanville Rd.	2.04
	Lower Shore Drive	Township Line to M-119	0.84
	West Townline Road	Stutsmanville Rd to Middle Village Rd.	3.00
	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
	Lightfoot Road	Lacount Rd to Wressel Rd.	1.01
4			
3	Hurd Road	State Road to the seasonal road.	1.01
2			
1			

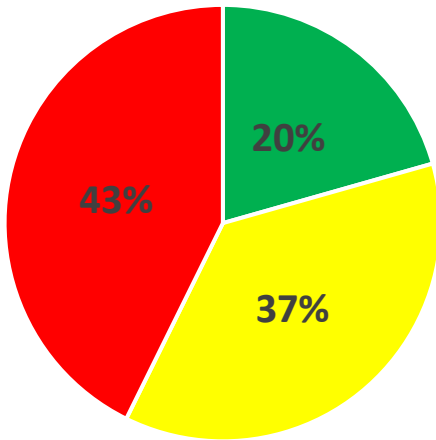
2022 - 2025 PASER Ratings for Paved Local Roads



Average PASER Rating for Paved Local Roads

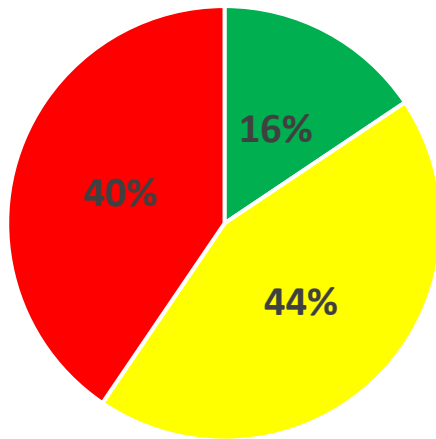


Statewide Paved Local Roads



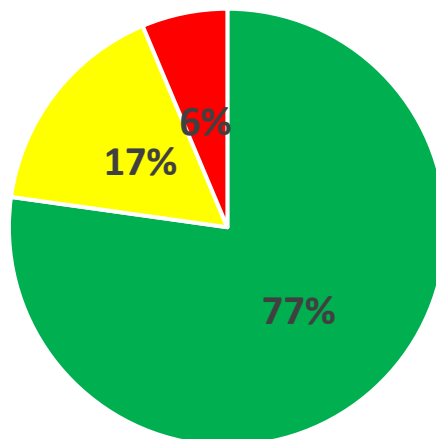
Condition of paved local roads across the State

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

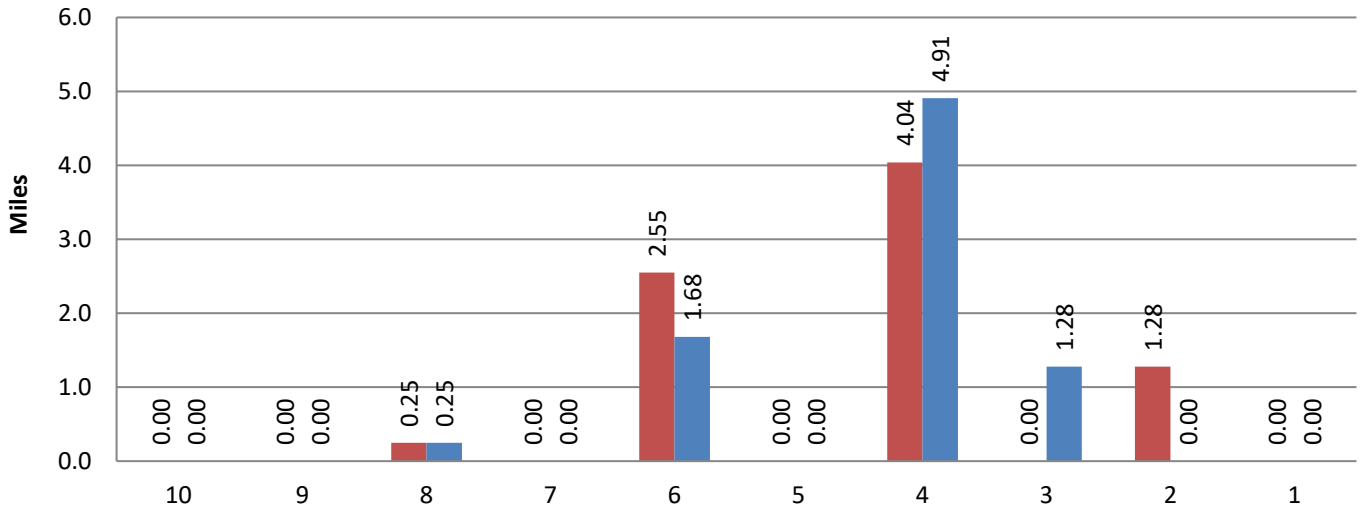
Friendship Township Gravel Local Road Ratings

Current Gravel Road Ratings

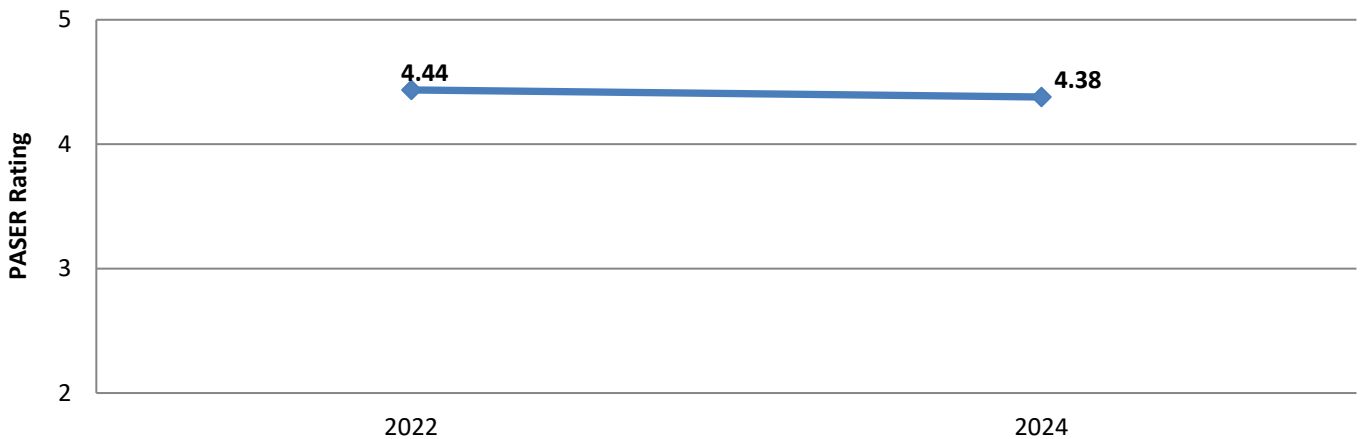
IBR	Road Name	Limits	Length (miles)
10			
9			
8	Beacon Hill Lane	Middle Village Rd then south to seasonal road.	0.25
7			
6	Beacon Hill Lane	Stutsmanville Rd then south to seasonal road.	0.25
	Geary Road	Five Mile Creek Rd to end of road.	0.69
	Kawegoma Road	West Townline Road to end of road.	0.25
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

2023 - 2024 IBR Ratings for Gravel Local Roads

■ 2022 ■ 2024



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	