

Cheboygan County Road Commission

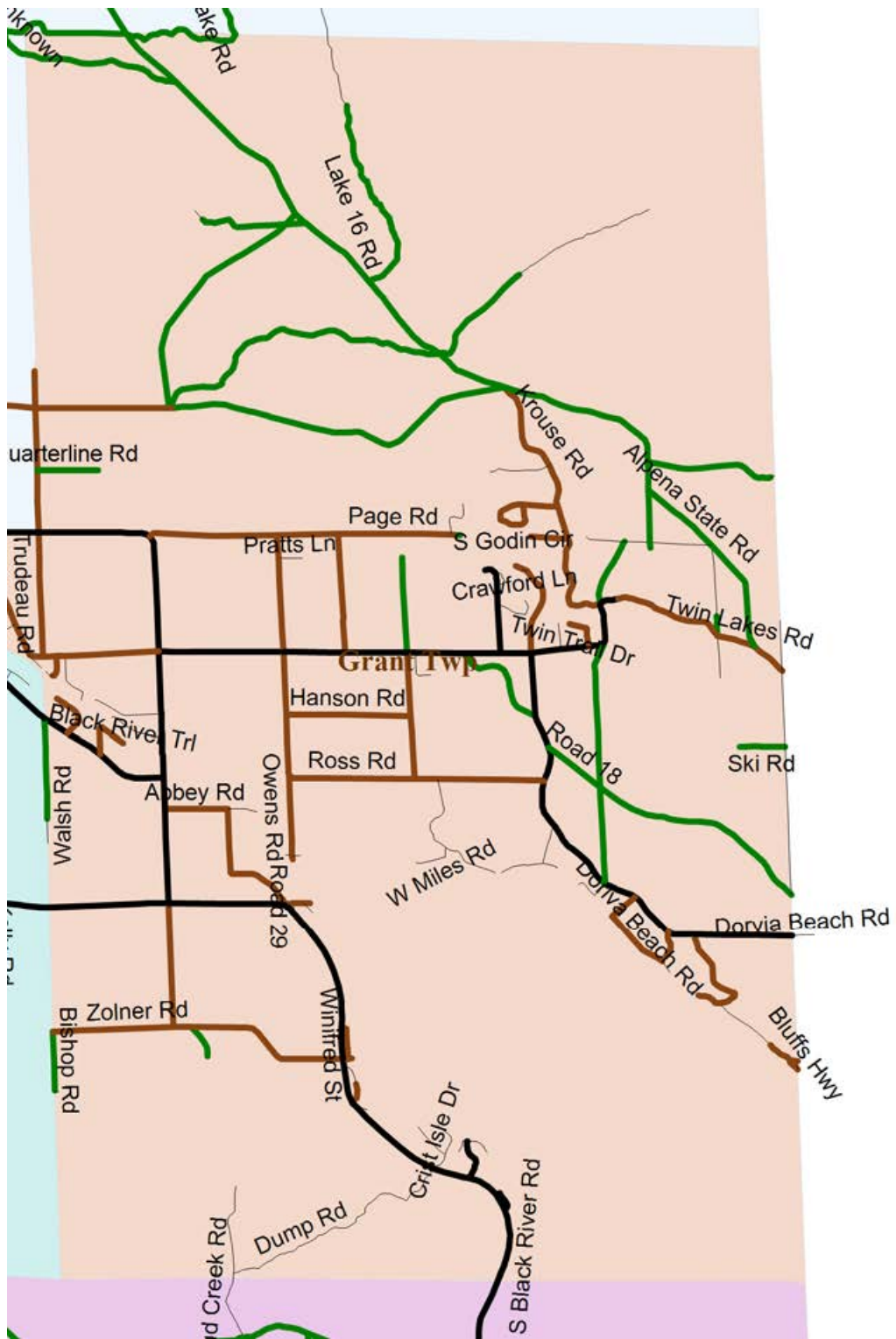
Grant Township Local Road Ratings Report for 2021

The goal of the Road Commission is to use Asset Management Strategies when planning projects for the roads under the jurisdiction of the Cheboygan 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.



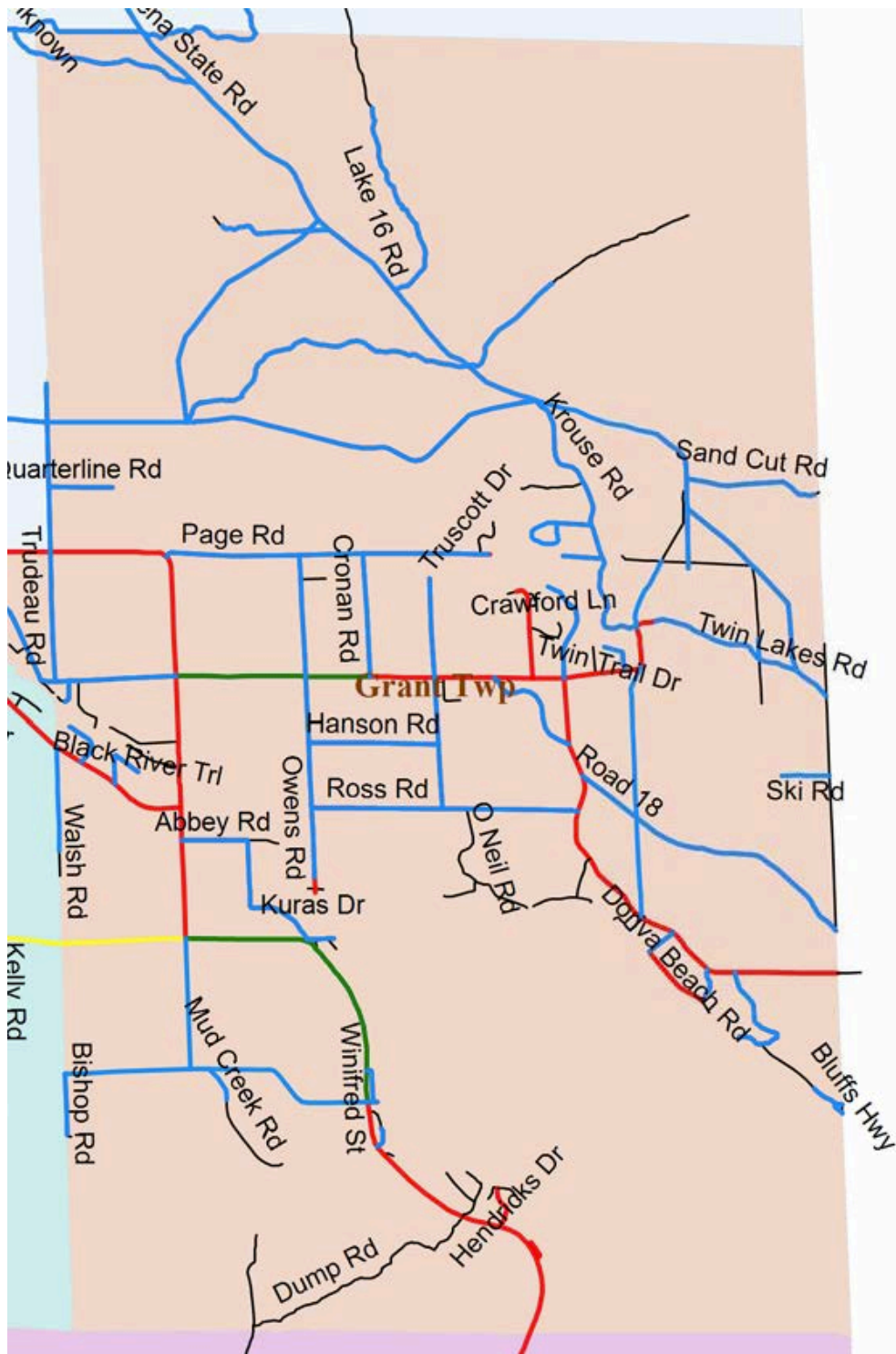
Township Roads by Legal System

Red = State Highways – **Blue** = County Primary Roads – **Orange** = 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 - **Blue** = Non-paved

Road Rating Systems

All the local paved roads are rated each year using the PASER Road Rating system in the Township (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	\$ 600
7	General Crack Sealing and/or Minor Patching	\$ 3,200
6	Patching and Sealcoat	\$ 29,000
	Ultra-thin Asphalt Overlay	\$ 63,000
5	Asphalt Wedging	\$ 47,000
	Asphalt Wedging and Sealcoat	\$ 75,000
	Asphalt Wedging and Ultra-thin Asphalt Overlay	\$ 106,000
4	Asphalt Wedging and Overlay	\$ 142,000
3	Pulverize, gravel and pave	\$ 240,000
2	Reconstruction.	\$ 350,000
1	Reconstruction. Failed Road.	\$ 350,000

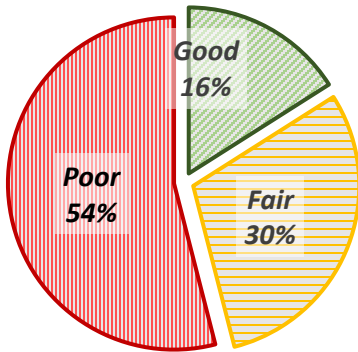
Gravel roads are rated using the Inventory-Based Rating System™ for Gravel Roads (IBR). The IBR system considers three characteristics of a road segment to determine a rating for the segment. Surface width, drainage adequacy and structural adequacy are all evaluated to determine the segment rating. From this evaluation a rating of 1 to 10 is calculated.

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.	\$ 500
6 - 7	Existing crown with drainage on 50% or more of roadway. Additional gravel needed in some areas along with ditching.	\$ 55,000
3 - 5	Little or no crown. Ditched on less than 50% of the road. Additional gravel needed on entire road along with ditching.	\$ 95,000
1 - 2	Failed road. Reconstruction.	\$ 250,000

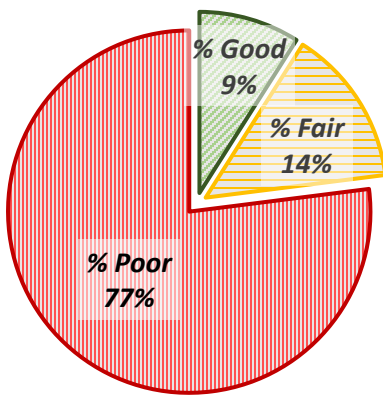
Grant Township Paved Local Road Ratings

Statewide Local Roads



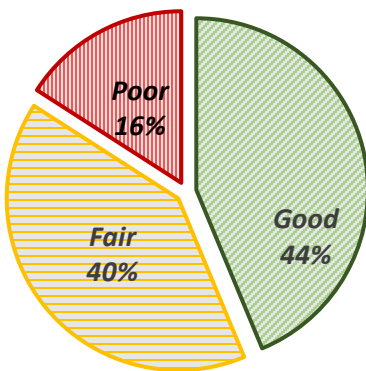
Condition of paved local roads across the State

Countywide Paved Local Roads



Condition of paved local road in Cheboygan County

Grant Township Paved Local Roads



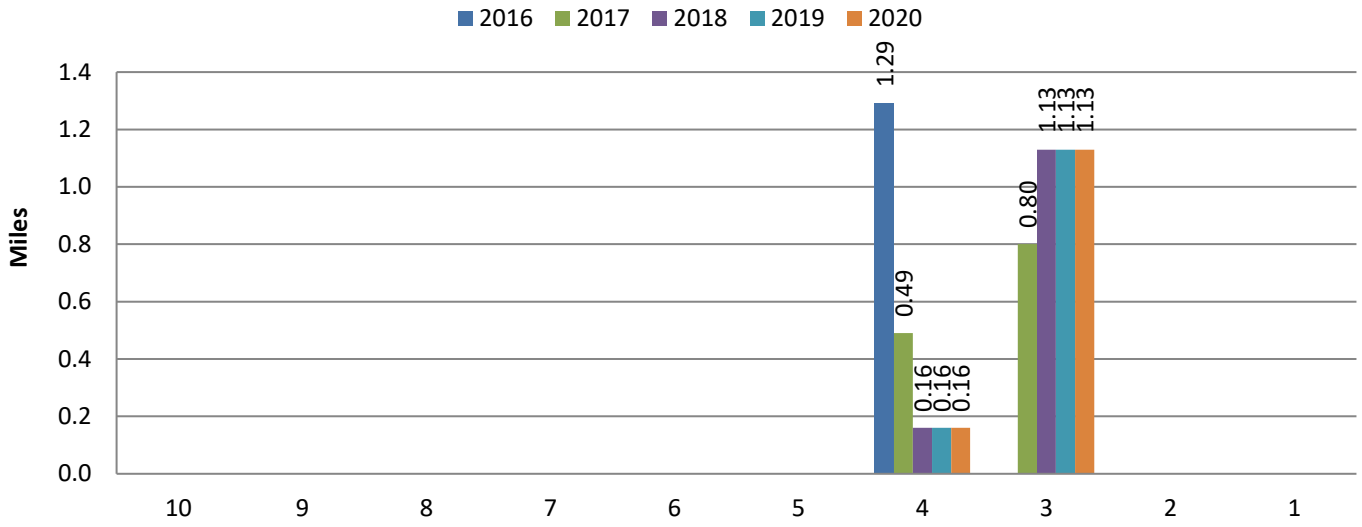
Condition of paved local roads in Grant Township

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

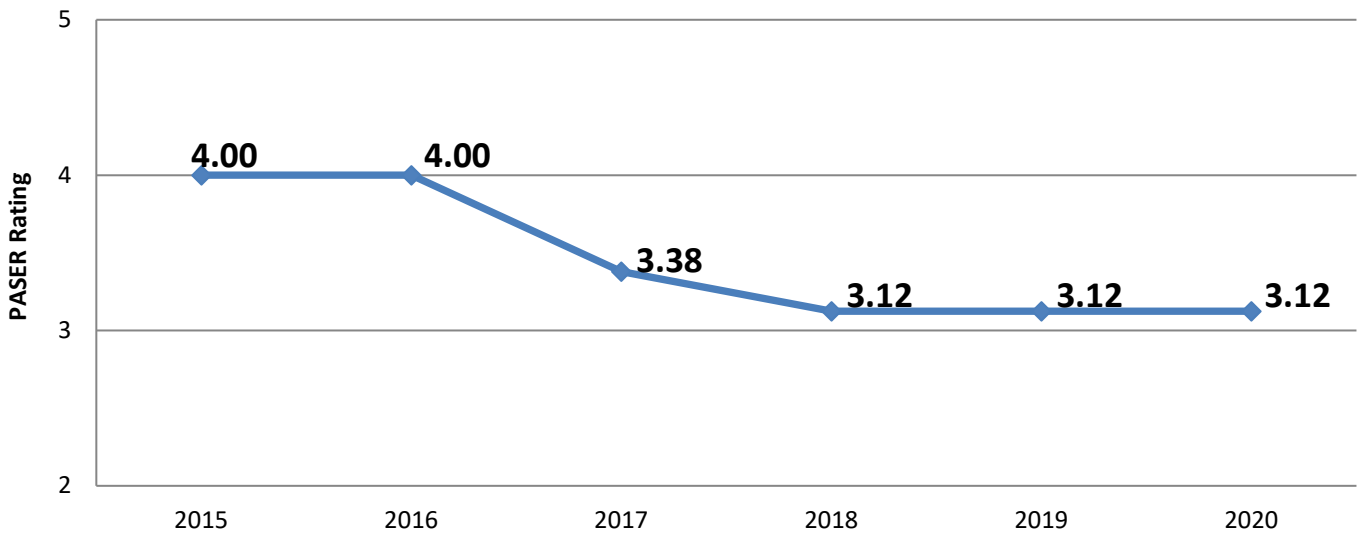
Current Paved Road Ratings

PASER Rating	Road Name	Limits	Length (miles)
10			
9			
8			
7			
6			
5			
4	Taylor Road	Black River Road to end of road.	0.16
3	5 Mile Point Road	Black River Road to end of road.	0.33
	Reynolds Road	Twin Lakes Road then north to end of road.	0.80
2			
1			

2016 - 2020 PASER Ratings for Paved Local Roads



Average PASER Rating for Paved Local Roads



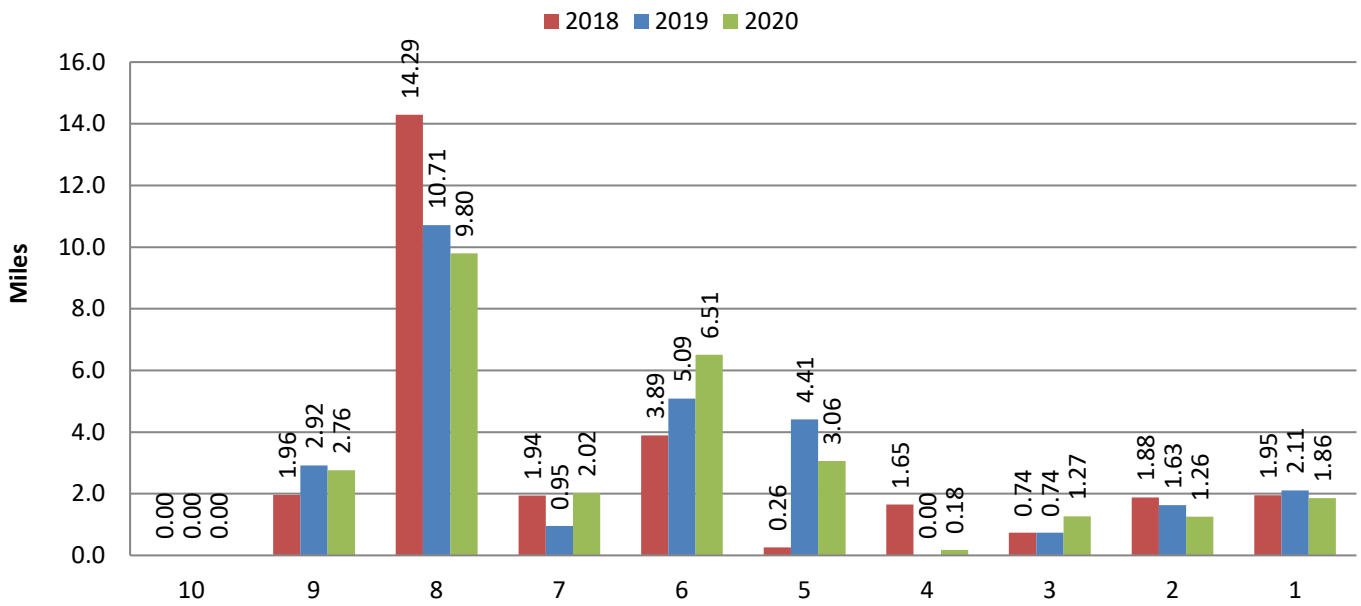
Grant Township Gravel Local Road Ratings

Current Gravel Road Ratings

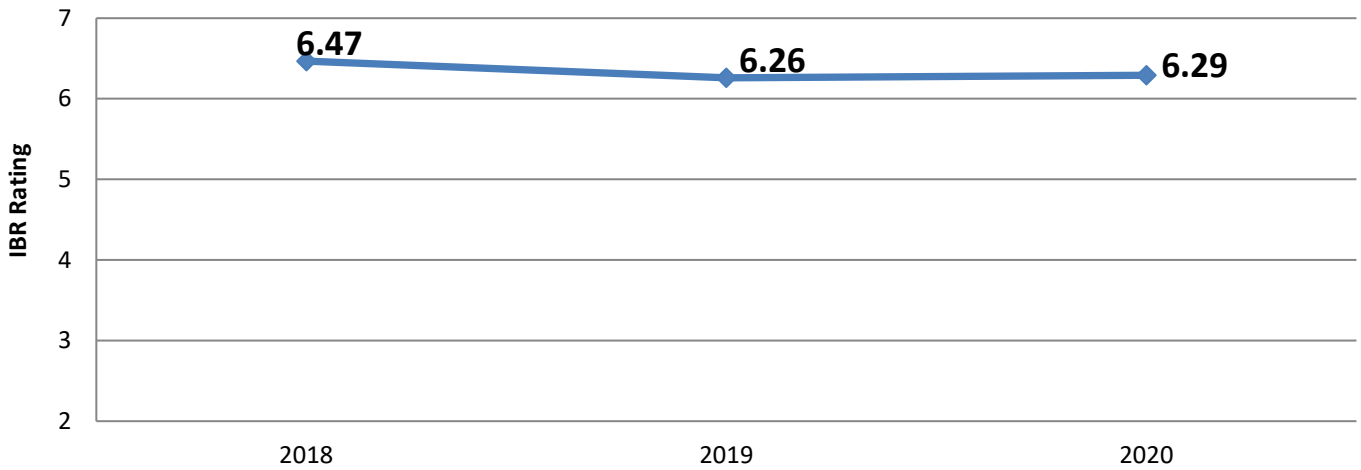
IBR Rating	Road Name	Limits	Length (miles)
10			
9	Cronan Road	Twin Lakes Road to page Road.	0.96
	Eisen Trail	Doriva Beach Road to end of road.	0.80
	Owens Road	Ross Road to Twin Lakes Road.	1.00
8	Abby Road	Black River Road to Covington Road.	0.49
	Chamberlin Road	Ross Road to Twin Lakes Road.	1.00
	Hanson Road	Owens Road to Chamberlin Road.	1.00
	Orchard Beach Road	Township Line to seasonal road.	1.12
	Owens Road	South end of road to Ross Road.	0.55
	Twin Lakes Road	Township Line to Black River Road.	1.99
	Page Road	Black River Road to Cronan Road.	1.47
	Ross Road	Owens Road to O'Neil Road.	1.19
	Trudeau Road	Black River Road to Orchard Beach Road.	0.99
7	Cedar Beach Lane	Doriva Beach to end of public road.	0.23
	Ross Road	O'Neil Road to Doriva Beach Road.	0.84
	Page Road	Cronan Road then east to end of road.	0.95
6	Abbey Road	Covington Road to Viau Road.	1.00
	Ash Hwy	Bluffs Hwy to Bluffs Hwy.	0.05
	Bayou Drive	Township Line south to end of road.	0.12
	Bluffs Highway	Ash Highway to Bluffs Hwy.	0.10
	Gaynor Road	Zolner Road to Black River Road.	1.00
	High Bluffs Trail	Doriva Beach Road to end of road.	0.24
	Owens Road	Twin Lakes Road to Page Road.	0.93
	Trudeau Road	Twin Lakes Road to Black River Road.	1.00
		Orchard Beach Road to end of road.	0.29
	Zolner Road	Gaynor Road to Winifred Street.	1.50
	Viau Road	Abbey Road to end of road.	0.28
5	Forsyth Road	South River Road to end of road.	0.43
	Krouse Road	Godin Road to S Grand Circle.	0.26
	Lenz Road	South River Road to end of road.	0.39

4	Naomi Street	Black River Road to Winfred Street.	0.03
	Smith Road	Twin Lake Road north to end of road.	0.82
	Zolner Road	Bishop Road to Gaynor Road.	0.95
	Eisen Trail	Bluffs Hwy to end of road.	0.18
3	Gottschalk Drive	Twin Lakes Road then south to end of road.	0.17
	Krouse Road	S Grand Circle to Lodge	0.80
	Moulder Drive	Zolner Road to Naomi Street.	0.30
2	Bluffs Highway	Township Line then north to end of road.	0.20
	Godin Road	Krouse Road to end of loop.	0.80
	Zolner Road	Winifred Street to end of road.	0.03
	Winfred Street	Zolner Road to Naomi Street.	0.23
1	Archambo Street	Black River Road to end of road.	0.16
	Krouse Road	Alpena State Road to Godin Road.	1.12
	Twin Trail	Twin Lakes Road then north to dead end.	0.28
	S Grand Circle	Krouse Road then west to end of road.	0.30

2018 - 2020 IBR Ratings for Gravel Local Roads



Average IBR Rating for Gravel Local Roads



Service Life of Treatments

Service life is the expected time that a treatment will last before needing complete reconstruction. 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	7
	Ultra-thin Asphalt Overlay	7 – 10
5	Asphalt Wedging	7
	Asphalt Wedging and Sealcoat	7 – 10
	Asphalt Wedging and Ultra-thin Asphalt Overlay	10
4	Asphalt Wedging and Overlay	12 – 15
3	Pulverize, gravel and pave	15 – 25
2	Reconstruction.	25 - 30
1	Reconstruction. Failed Road.	25 - 30

For example, if a road has a PASER rating of 6, a treatment of a ultra-thin asphalt overlay is recommended (see the Table titled PASER Ratings and Treatment on page 1). 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.