

**Cheboygan County Road Commission**  
**Beaugrand Township Local Road Ratings Report for 2016**

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.

<b>PASER Road Rating System</b>
---------------------------------

All the local paved and gravel 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 or a scale of 2 to 10 for gravel surfaces. 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 Ultra-thin Asphalt Overlay	\$ 29,000 \$ 63,000
5	Asphalt Wedging Asphalt Wedging and Sealcoat Asphalt Wedging and Ultra-thin Asphalt Overlay	\$ 47,000 \$ 75,000 \$ 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

**PASER Rating and Treatments for Gravel Roads**

Road Rating	Existing Condition / Recommended Repair	Estimated Cost per Mile
10	No maintenance necessary. New Road	\$ 0
8	Good crown and drainage throughout. Adequate gravel for traffic. Maintain with grading and dust control.	\$ 500
6	Existing crown with drainage on 50% or more of roadway. Additional gravel needed in some areas along with ditching.	\$ 45,000
4	Little or no crown. Ditched on less than 50% of the road. Additional gravel needed on entire road along with ditching.	\$ 85,000
2	Failed road. Reconstruction.	\$ 250,000

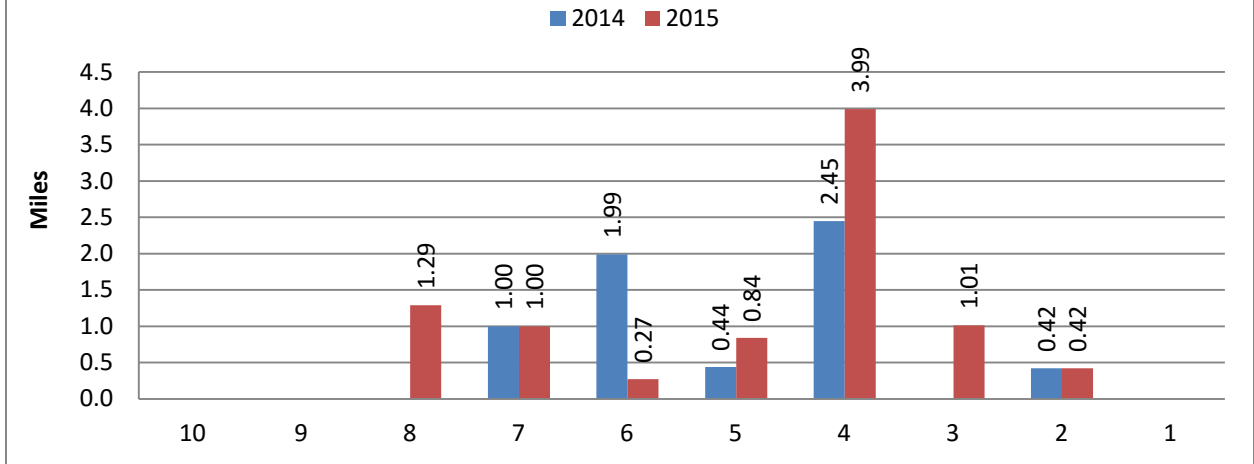
**Beaugrand Township Paved Local Road Ratings**

**Current Road Ratings**

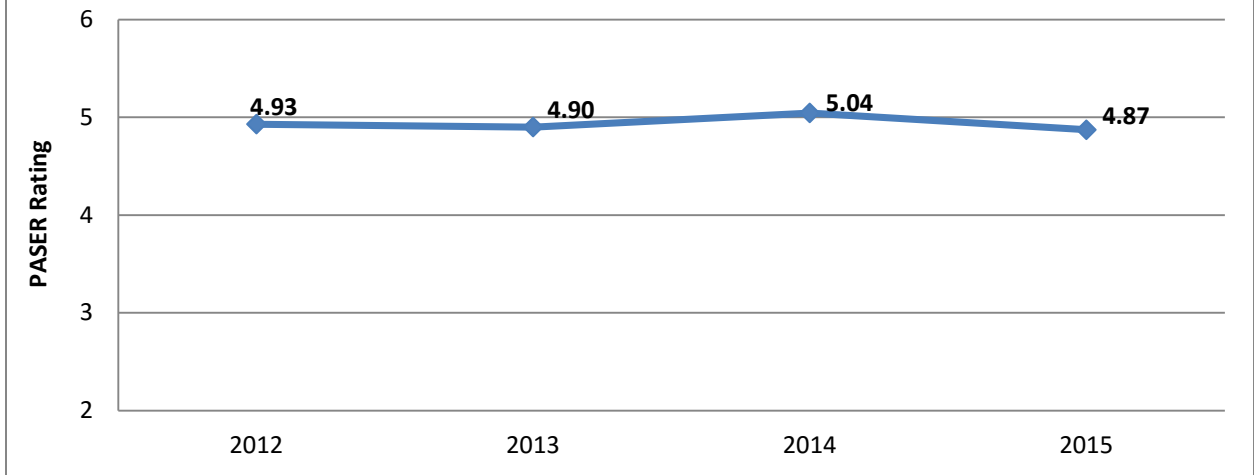
PASER Rating	Road Name	Limits	Length (miles)
10			
9			
8	Woiderski Road	Inverness Trail to Riggsville Road.	1.29
7	Inverness Trail Road	Woiderski Road to Levering Road.	1.00
6	Shore Drive	Easterly and westerly of Coulson Drive.	0.27
5	Nicolet Drive	Michigami Drive to Beaumont Drive.	0.21
4	Beaumont Drive	US-23 to Nicolet Drive.	0.36
	Coulson Drive	US-23 to Shore Drive.	0.39
	Harmony Lane	US-23 to Nicolet Drive.	0.42
	Inverness Trail Road	Levering Road to Campbell Road.	1.00
	LaHaie Road	Cheboygan City Limits to end of pavement.	0.72
	Lake Shore Drive	Cheboygan City Limits to end of road.	0.40
	Michigami Drive	Beaumont Drive to Shore Drive.	0.18
	Nicolet Drive	Michigami Drive to end of road (westerly).	0.20
	Shore Drive	Michigami Drive to end of road (easterly).	0.14
	Slade Road	Old Mackinaw Road then south to end of pavement.	0.18
3	Inverness Trail Road	Levering Road to Old Mackinaw Road.	0.73
	Pinewood Circle		0.21
	Sunflower Street	US-23 to Pinewood Circle.	0.07
2	Old Mackinaw Road	Pries Road to end of pavement.	0.42
1			

**Average PASER Rating for Paved Local Roads 4.87**

## 2015 PASER Ratings for Paved Local Roads



## Average PASER Rating for Paved Local Roads



**Estimate Cost to Repair Local Paved Roads Based on 2015 PASER Ratings**

Road Rating	Miles	Estimated Cost per Mile	Total Cost
10	0	\$ 0	\$ 0
9	0	\$ 0	\$ 0
8	1.29	\$ 600	\$ 774
7	1.00	\$ 3,200	\$ 3,200
6	0.27	\$ 29,000	\$ 7,830
5	0.21	\$ 47,000	\$ 9,870
4	3.99	\$ 142,000	\$ 566,580
3	1.01	\$ 240,000	\$ 242,400
2	0.42	\$ 350,000	\$ 147,000
1	0	\$ 350,000	\$ 0

**Total Cost in 2016 = \$ 977,654**

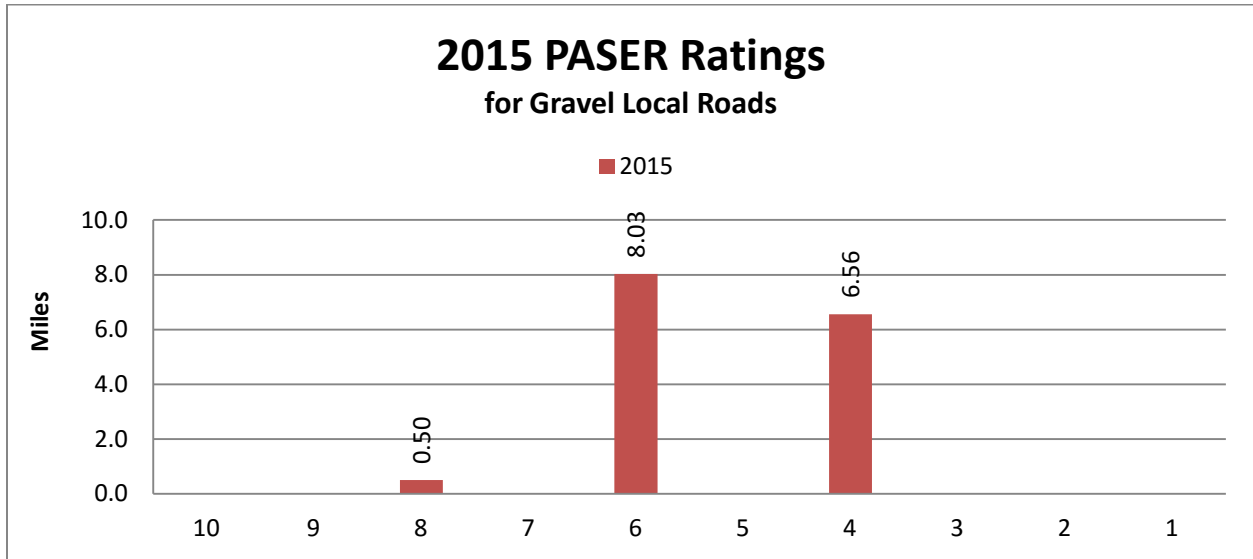
<b>Beaugrand Township Gravel Local Road Ratings</b>
---

**Current Road Ratings**

PASER Rating	Road Name	Limits	Length (miles)
10			
8	Woiderski Road	Schmidt Road to Inverness Trail.	0.50
6	Airport Road	LaHaie Road to Levering Road.	0.50
	Campbell Road	Goebel Road to Rose Road.	0.99
		Inverness Trail to US-23.	0.49
	Goebel Road	Campbell Road then north to end of road.	0.52
	Lahaie Road	Airport Road to pavement.	0.19
	Old Mackinaw Road	End of asphalt then westerly to Township Line.	3.09
	Phillips Road	Pries Road to end of road.	0.16
	Rose Road	Levering Road to Campbell Road.	0.99
	Shall Road	Levering Road then south to end of road.	0.51
	Slade Road	Levering Road then north to pavement.	0.59
4	Campbell Road	Rose Road to Inverness Trail.	1.00
	Garden Street	Court Street to end of road.	0.20
	Goebel Road	Levering Road then north to seasonal road.	0.06
	Hill Road	Knaffle Road to Levering Road.	0.99
	Knaffle Road	Hill Road to end of road.	0.53
	Nipigon Road	Old Mackinaw Road to US-23	1.31
	Rose Road	Campbell Road then north to end of road.	0.26
	Seymor's Road	LaHaie Road then south to end of road.	0.06
	Shall Road	Levering Road then north to end of road.	0.27
	Woiderski Road	Levering Road then south to seasonal road.	0.95

4	Wollangur Road	Levering Road to Hill Road.	0.93
2			

Average PASER Rating for Gravel Local Roads 4.75



## 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.