

2022 MCKINLEY TOWNSHIP 5-YEAR ROAD PRIORITY LIST  
Revised February 3, 2022

PASER ROAD RATING SYSTEM

ROAD RATING	SUGGESTED REPAIR	COST PER MILE
10	No maintenance necessary. New Road.	\$ 0
9	No maintenance necessary. Smooth surface.	\$ 0
8	Crack filling or shoulder patching.	\$ 700
7	General crack sealing and/or minor patching.	\$ 2,600
6	Patching and sealcoat Micro-surface Ultra-Thin Asphalt	\$ 28,000 or \$ 35,000 or \$ 85,000
5	Asphalt wedging only Asphalt wedging and sealcoat Asphalt wedging and ultra-thin asphalt 1-1/2" Asphalt Cap	\$ 55,000 or \$ 83,000 or \$ 140,000 or \$ 110,000
4	Asphalt wedge and cap or heavy cap.	\$ 170,000
3	Pulverize, gravel and pave. Surface poor. Cold-in-Place with ultra-thin	\$ 280,000 \$ 250,000
2	Reconstruction. Very poor condition.	\$ 400,000 +/-
1	Reconstruction. Failed road surface.	\$ 400,000 +/-

**MCKINLEY TOWNSHIP**

McKinley Township has assessed the 1 Mil since the millage was approved. The 1 Mil brings in approximately \$39,200. McKinley Township used \$10,000 in allocation in 2021. Each township will receive \$16,952 in allocation for 2022 which leaves \$38,149 in allocation remaining. McKinley Township is set to receive \$72,849 in ARPA funds. The MTA and U.S. Dept. of Treasury has indicated those funds may be spent on road improvements. Therefore, McKinley Township has roughly \$218,600 available for 2022. I will not include the ARPA funds in the calculation, however.

TOTAL 2022 INVESTMENT AVAILABLE= \$ 145,749

TOTAL 5-YEAR INVESTMENT = \$370,549

**CATEGORIZATION OF HARD-SURFACED ROADS IN MCKINLEY TOWNSHIP**

PASER RATING	ROAD NAME	LIMITS
10	None	-
9	Robinson Road	From W. Pellston to ¼ mile west of Durkalic for 2.12 miles
8	Douglas Lake Road Ely Road LeBaron Street Levering Road	From Cheb. Co. line to U.S.31 for 2.60 miles From U.S.31 to Reed for 0.42 miles From Mill then south for 0.10 miles From U.S.31 then east for 0.87 miles
7	Levering Road	From Cheboygan Co. then west for 1.19 miles
6	Bentley Street Bill Road	From Levering to Mill for 0.13 miles From Levering then south for 0.72 miles

	Center Street	From Van to Maple for 0.09 miles
	Ely Road	From Reed to Center Twp. for 2.95 miles
	LeBaron Street	From Levering to Mill for 0.12 miles
	Main Street	From Van to Maple for 0.09 miles
	Maple Street	From LeBaron to Robinson for 0.16 miles
	Maple Street	From Main to Michigan for 0.13 miles
	Michigan Street	From Van then north for 0.18 miles
	Mill Street	From U.S.31 to Robinson for 0.33 miles
	Robinson Road	From Center Twp. then east for 0.58 miles (Fed-aid)
	Robinson Road	From Cheboygan Co. to E. Pellston for 1.99 miles
	Robinson Street	From Levering to Mill for 0.13 miles
	Van Road	From Center Twp. to Reed for 2.95 miles
5	None	-
4	Van Road	From U.S.31 to Cheb. Co. line then west for 2.53 miles
3	None	-
2	Levering Road	From U.S.31 to Keiser for 3.43 miles (Fed-aid)
	Van Road	From Reed to U.S.31 for 0.45 miles

**2022 MILEAGE BREAKDOWN OF ROAD RATINGS FOR MCKINLEY TOWNSHIP (all)**

PASER RATING	# OF MILES	AVERAGE	
		REPAIR COST	TOTAL
10	0.00	\$ 0	\$ 0
9	2.12	0	0
8	3.99	700	2,793
7	1.19	2,600	3,094
6	10.55	28,000	295,400
5	0.00	140,000	0
4	2.53	170,000	430,100
3	0.00	280,000	0
2	3.88	400,000	1,552,000

TOTAL HARD-SURFACED ROADS = 24.26 miles

COST = \$ 2,283,387

2022 AVERAGE ROAD SURFACE RATING = 5.79

(21' = 5.84, 20' = 5.88, 19' = 5.72, 18' = 5.46, 17' = 5.32, 16' = 5.35, 15' = 4.41, 14' = 5.06, 13' = 5.00, 12' = 5.42, 11' = 5.25, 10' = 5.35, 09' = 5.80, 08' = 5.87, 07' = 6.69, 06' = 6.31, 05' = 6.47)

**LOCAL ROAD BREAKDOWN**

<u>PASER RATING</u>	<u># OF MILES</u>	<u>AVERAGE REPAIR COST</u>	<u>TOTAL</u>
10	0.00	\$ 0	\$ 0
9	0.00	0	0
8	3.12	700	2,184
7	0.00	2,800	0
6	5.03	28,000	140,840
5	0.00	83,000	0
4	0.00	170,000	0

TOTAL LOCAL HARD-SURFACED ROADS = 8.15 miles

COST = \$ 143,024

2022 AVERAGE LOCAL ROAD SURFACE RATING = 6.77

(21' = 7.49, 20' = 7.61, 19' = 6.86, 18' = 6.85, 17' = 6.47, 16' = 6.57, 15' = 6.18, 14' = 7.07, 13' = 7.09, 12' = 7.21, 11' = 6.63, 10' = 6.24, 09' = 6.28, 08' = 5.91, 07' = 6.23, 06' = 5.77, 05' = 5.55)

The goal of Asset Management is to allocate public resources in the most cost-effective manner. It should be our goal to bring our system into a good condition and to maintain the system in a good condition over the next 5 years. McKinley Township has a local road rating of 6.77 rating. Good is considered to be 7 or better.

**McKINLEY TOWNSHIP SUGGESTED 5-YEAR ROAD REPAIR LIST****2022 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
8	\$ 28,000	0.10	\$ 2,800	LeBaron (0.10)*
6	\$ 28,000	2.08	\$ 58,240	Bentley (0.13), Bill (0.72), Center (0.09), LeBaron (0.12), Main (0.09), Maple (0.16), Maple (0.13), Michigan (0.18), Mill (0.33), Robinson St. (0.13)
2	\$ 400,000	3.43	Fed-aid	Levering (3.43)**

TOTAL SUGGESTED 2022 EXPENSE = \$ 61,040 \*Sealcoat with rest  
\*\*Fed-aid

**2023 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
7	\$ 2,600	1.19	Rd. Comm.	LeBaron (1.19)*

TOTAL SUGGESTED 2023 EXPENSE = \$

**2024 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
8	\$ 28,000	0.42	\$ 11,760	Ely (0.42)*
6	\$ 28,000	2.95	\$ 82,600	Ely (2.95)

TOTAL SUGGESTED 2022 EXPENSE = \$ 94,360 \*Sealcoat with rest

**2025 REPAIRS 2026 REPAIRS**

Gravel road or primary road reconstruction.

**TOTAL PROJECTED 5-YEAR COST**

2022 \$ 61,040 plus gravel roads  
2023 Gravel road or primary  
2024 \$ 94,360  
2025 Gravel road or primary  
2026 Gravel road or primary

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TOTAL = \$ 155,400

The Asset Management process concentrates resources on roads that are relatively easy to maintain then allows resources to be expended on more expensive roads. The above scenario repairs all hard-surfaced local roads in the township in the next year into a good condition. This does not take into account the roads that fall further into disrepair from their current rating.