

2022 WAWATAM TOWNSHIP 5-YEAR ROAD PRIORITY LIST  
Revised February 4, 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 +/-

**WAWATAM TOWNSHIP**

Wawatam Township brings in approximately \$98,200 per year from the 1 Mil approved by the voters. The township used the allocation in 2021. The 2022 allocation is \$16,952 for each township. The township would still have roughly \$140,000 in millage funds from carry-over. Wawatam is set to receive \$16,538 in ARPA funds. The MTA indicates those funds can be spent on road improvements. With millage funds unspent from years past, the total available in 2022 is around \$271,600.

TOTAL 2021 INVESTMENT AVAILABLE = \$271,600

TOTAL 5-YEAR ROAD EXPENSE = \$728,400

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

PASER RATING	ROAD NAME	LIMITS
10	Wilderness Park Drive	From Cecil Bay to 1 <sup>st</sup> Beach for 2.38 miles
9	Headlands Road Mackinaw Highway Wilderness Park Drive	From Trailsend to Central for 1.02 miles From U.S.31 to Trailsend for 2.02 miles From Trailsend to 1 <sup>st</sup> Beach for 0.29 miles
8	Algonquin Drive Headlands Road Mackinaw Highway Oliver Road Pointe Drive	From Headlands then west for 0.23 miles From Central then north for 0.36 miles From WB U.S.31 to EB U.S. 31 for 0.03 miles From Cecil Bay then east for 0.10 miles From Wilderness Park then east and west for 0.76 miles

	Straits View Drive Trailsend Road	From W. Wilderness to E. Wilderness for 1.24 miles From Mackinaw Hwy. to Mack. Hwy. for 2.30 miles
7	Mackinaw Highway	From Trailsend to Mackinaw City for 0.49 miles
6	Cecil Bay Road Esther Lane Wilderness Park Drive	From Oliver to Wilderness Park for 1.63 miles From Wilderness Park Dr. then north for 0.26 miles From Cecil Bay to Bliss Twp. for 1.28 miles
5	None	-
4	Mackinaw Highway	From Linsley to U.S.31 for 0.47 miles
3	None	-
2	Wilderness Park Drive	From 1 <sup>st</sup> Beach to 2 <sup>nd</sup> Beach for 0.93 miles
1	None	-

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

PASER RATING	# OF MILES	AVERAGE REPAIR COST	TOTAL
10	2.38	\$ 0	\$ 0
9	3.33	0	0
8	5.02	700	3,514
7	0.49	2,600	1,274
6	3.17	85,000	269,450
5	0.00	140,000	0
4	0.47	170,000	79,900
3	0.00	280,000	0
2	0.93	400,000	372,000

TOTAL HARD-SURFACED ROAD MILES = 15.79 miles

COST = \$ 726,138

2022 AVERAGE ROAD SURFACE RATING = 7.61

(21' = 6.61, 20' = 6.00, 19' = 6.20, 18' = 6.19, 17' = 4.84, 16' = 4.89, 15' = 5.13, 14' = 4.71, 13' = 4.72, 12' = 4.76, 11' = 4.73, 10' = 4.90, 09' = 5.05, 08' = 5.02, 07' = 5.14, 06' = 4.82, 05' = 4.77)

**LOCAL ROAD BREAKDOWN**

PASER RATING	# OF MILES	AVERAGE REPAIR COST	TOTAL
10	0.00	\$ 0	\$ 0
9	0.00	0	0
8	4.99	700	1,750
7	0.00	2,600	0
6	0.26	85,000	22,100
5	0.00	110,000	0
4	0.00	170,000	0
3	0.00	280,000	0

TOTAL HARD-SURFACED ROAD MILES = 5.25 miles

COST = \$ 23,850

2022 AVERAGE ROAD SURFACE RATING = 7.90

(21' = 7.77, 20' = 7.36, 19' = 7.95, 18' = 7.24, 17' = 8.00, 16' = 7.71, 15' = 8.30, 14' = 7.12, 13' = 6.91, 12' = 6.54, 11' = 6.47, 10' = 6.49, 09' = 6.48, 08' = 5.70, 07' = 5.97, 06' = 3.19, 05' = 4.94)

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. Wawatam Township has met the goal to have the average ratings of 7 or better with a 7.77 condition. Good is considered to be 7 or better.

**WAWATAM 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>
6	\$ 28,000	3.17	\$ 7,280	Cecil Bay (1.63)*, Esther (0.26)
2	\$ 400,000	0.93	\$ 390,000 \$350,000 BIA \$ 40,000 Twp.	Wilderness Park (0.93)**

TOTAL SUGGESTED 2022 EXPENSE = \$ 47,280 \*Road Commission  
\*\*BIA / Township  
(BIA = \$350,000, Wawatam = \$40,000)

**2023 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
7	\$ 2,600	0.49	\$ 1,274	Mackinaw Hwy. (0.49)*

TOTAL SUGGESTED 2023 EXPENSE = \$ \*Road Commission

**2024 REPAIRS, 2025 REPAIRS, 2026 REPAIRS,**

Gravel road or primary reconstruction

**TOTAL PROJECTED 5-YEAR COST**

2022 \$ 47,280 plus gravel or primary road  
 2023 Gravel road or primary road  
 2024 Gravel road or primary road  
 2025 Gravel road or primary road  
 2026 Gravel road or primary road

**TOTAL COST = \$ 47,280**

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 township will have all of the local roads repaired in 2022. The township could spend funds reconstructing gravel roads or primary roads or assist Village of Mackinaw City for the years there are no projects scheduled. This does not take into account the roads that fall further into disrepair from their current rating.