

2022 WEST TRAVERSE 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 +/-

**WEST TRAVERSE TOWNSHIP**

West Traverse Township assesses 0.7 mils which generates around \$296,600 per year. West Traverse Township used the allocation in 2021. All townships will receive \$16,952 in allocation for 2022. West Traverse is set to receive \$172,284 in ARPA funds. The MTA has indicated those funds can be spent on road improvements. Therefore, there is a total of around \$496,000 available in 2022.

TOTAL 2022 AVAILABLE INVESTMENT = \$496,000

TOTAL 5-YEAR INVESTMENT = \$1,746,400

**CATEGORIZATION OF HARD-SURFACED ROADS IN WEST TRAVERSE TOWNSHIP**

PASER RATING	ROAD NAME	LIMITS
10	None	-
9	Hughston Road Lake Road Odawa Lane	From Middle to Cemetery for 2.20 miles From Harbor Springs to M-119 for 1.15 miles From State to Heynig for 0.18 miles
8	Amy's Way Carpenter Lane Cemetery Road Cottontail Lane Five Mile Creek Road Franklin Street Golf Side Court	From Middle to Hoyt for 0.52 miles From M-119 to Lake for 0.14 miles From Hughston to Cottontail for 0.14 miles From Cemetery to Tamarac for 0.14 miles From M-119 then north for 0.50 miles From State then east and south for 0.54 miles From Tamarac then south for 0.09 miles

	Hemlock Court	From Tamarac then west for 0.06 miles
	Heynig Road	From State then west for 0.79 miles
	Heynig Road	From State to Welsheimer for 1.00 miles
	Hoyt Road	From Heynig to Harbor Springs for 2.35 miles
	Hughston Road	From State to Cemetery for 0.51 miles
	Hughston Road	From Middle to Lacount for 1.02 miles
	Lightfoot Road	From Hughston then south for 0.25 miles
	Lightfoot Road	From Hughston to Middle for 1.50 miles
	Lightfoot Road	From Middle to State for 0.61 miles
	Lower Shore Drive	From 0.41 miles NW of M-119 to Fr Twp. for 2.37 miles
	Marion Drive	From Lake then north for 0.28 miles
	Middle Road	From State to Amy's Way for 0.49 miles
	Pine Hill Drive	From Tamarac to Cemetery for 0.17 miles
	Quick Road	From State to Lightfoot for 0.25 miles
	Ridge Road	From 0.28 miles north of M-119 then north for 0.43 miles
	Tamarac Trail	From Cemetery then west and north for 0.38 miles
	Thorne Swift Court	From Lower Shore then northeast for 0.08 miles
	Welsheimer Road	From Heynig to Fr. Twp. for 0.50 miles
7	Middle Road	From M-119 to Birchwood for 0.81 miles
	7 Mile Point Ridge Dr.	From M-119 then south for 0.24 miles
6	Cemetery Road	From Lake to Cottontail for 0.36 miles
	Charley's Run	From Middle then north for 0.22 miles
	Lacount Road	From State to Hughston for 1.37 miles (1/2 Fr. Twp.)
	Lacount Road	From State to Lightfoot for 0.10 miles (1/2 Fr. Twp.)
	Lower Shore Drive	From M-119 then northwest for 0.41 miles
	Quick Road	From Lightfoot then west for 0.50 miles
	Ridge Road	From M-119 then north for 0.28 miles
5	Middle Road	From State to Birchwood for 2.49 miles
	Quick Road	From State to Hoyt for 0.76 miles (0.06)
4	State Road	From Harbor Springs limits to Lacount for 2.92 miles
3	None	-
2	None	-
1	None	-

**2022 MILEAGE BREAKDOWN OF ROAD RATINGS FOR WEST TRAVERSE TOWNSHIP**

PASER RATING	AVERAGE		TOTAL
	# OF MILES	REPAIR COST	
10	0.00	\$ 0	\$ 0
9	3.53	0	0
8	15.11	700	10,577
7	1.05	2,600	2,730
6	3.24	28,000	90,720
5	3.25	110,000	356,400
4	2.92	170,000	496,400

TOTAL HARD-SURFACED MILES = 29.10 miles

COST = \$ 956,827

2022 AVERAGE ROAD SURFACE RATING = 7.13

(21' = 7.21, 20' = 7.40, 19' = 7.48, 18' = 7.38, 17' = 7.23, 16' = 7.27, 15' = 7.63, 14' = 7.63, 13' = 7.84, 12' = 7.73, 11' = 7.80, 10' = 7.80, 09' = 6.63, 08' = 6.66, 07' = 6.15, 06' = 5.55, 05' = 5.85)

**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	2.38	0	0
8	15.11	700	10,577
7	0.24	2,600	624
6	3.24	85,000	275,400

TOTAL HARD-SURFACED MILES = 20.97 miles

COST = \$ 349,741

2022 AVERAGE ROAD SURFACE RATING = 7.79

(21' = 7.53, 20' = 7.87, 19' = 7.81, 18' = 7.69, 17' = 7.28, 16' = 7.37, 15' = 7.41, 14' = 7.84, 13' = 7.88, 12' = 7.72, 11' = 7.84, 10' = 7.06, 09' = 6.87, 08' = 6.83, 07' = 5.82, 06' = 5.72, 05' = 5.80)

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. Our goal should be to improve the average ratings to a good condition. West Traverse Township has achieved that goal with a 7.79 rating. Good is considered to be 7 or better.

**WEST TRAVERSE 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>
7	\$ 2,600	1.05	\$ 2,730*	Middle (0.81)*, 7 Mile Pt. (0.24)*
6	\$ 85,000	2.88	\$ 140,570	Charley's Run (0.22)**, Lacount (1.37)***, Lacount (0.10)***, Lower Shore (0.41)***, Quick (0.50)***, Ridge (0.28)**
5	\$ 110,000	0.06	\$ 45,000	Quick (0.06)****

TOTAL SUGGESTED 2022 EXPENSE = \$ 185,570

\*Road Commission  
 \*\*Ultra-thin Asphalt  
 \*\*\* 1/2 Friendship Twp. (Sealcoat)  
 \*\*\*\*Mill and Fill (intersection)

**2023 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
6	\$ 85,000	0.36	\$ 144,000	Cemetery (0.36)*

TOTAL SUGGESTED 2023 EXPENSE = \$ 144,000

\*Part of Watermain Work (Reconstruction)

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

New construction or primary road work.

**TOTAL PROJECTED 5-YEAR COST**

2022 \$ 185,570 (plus gravel or primary road improvements)  
 2023 \$ 144,000 (plus gravel or primary road improvements)  
 2024, 2025, 2026 (gravel or primary road improvements)

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TOTAL = \$ 329,570

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** of the local hard-surface roads in West Traverse Township in the next 2 years. This does not take into account the roads that fall further into disrepair.