

2022 CROSS VILLAGE TOWNSHIP 5-YEAR ROAD PRIORITY LIST
 Revised February 1, 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 +/-

CROSS VILLAGE TOWNSHIP

Cross Village Township assesses the 1 Mil which generates approximately \$65,700 per year. The township did not use its allocation in 2018, 2019, 2020 or 2021. The allocation amount for 2022 is \$16,952 which makes the total allocation available \$67,293. Cross Village Township is set to receive \$30,040 in ARPA funds and the MTA indicates those funds may be used on road improvements. The township must use at least 3-years allocation this year. This makes the total available for improvements for 2022 around \$400,000.

TOTAL 2022 AVAILABLE = \$400,000
 TOTAL 5-YEAR ROAD EXPENSE = \$730,800

CATEGORIZATION OF HARD-SURFACED ROADS IN CROSS VILLAGE TOWNSHIP

PASER RATING	ROAD NAME	LIMITS
10	None	-
9	State Road	From M-119 to Division for 1.31 miles
8	Brady Street Forest Avenue Levering Road Shomin Street Short Street Sturgeon Bay Drive 3 rd Street	From Levering to Wadsworth for 0.09 miles From State then east for 0.07 miles From Zmikly to Lookout for 1.64 miles From Lake Shore to Wadsworth for 0.06 miles From Lake Shore to Wadsworth for 0.06 miles From Lake Shore then west/north for 1.49 miles From Lake Shore to Wadsworth for 0.06 miles

7	Division Road	From State to Gully for 1.01 miles
6	Brady Street	From Wadsworth to Lake Shore for 0.06 miles
	Chippewa Drive	From Lake Shore to Park entrance for 0.16 miles
	Cole Road	From Lake Shore to Chippewa for 0.13 miles
	Division Road	From west end then east for 0.26 miles (1/2 Readmond)
	Hill Road	From Division to Levering for 1.03 miles
	Oak Drive	From Lake Shore to Levering for 0.56 miles
5	Shomin Street	From Wadsworth around loop for 0.17 miles
	Division Road	From Hill to State for 2.00 miles (1/2 Readmond)
	Levering Road	From State to Lookout for 1.60 miles
	Pine Street	From Wadsworth to Lake Shore for 0.11 miles
4	Wadsworth Road	From Oak to State for 0.39 miles
	None	-
3	None	-
2	Lake Shore Drive	From State to Bliss Twp. for 4.00 miles (0.65)
1	None	-

2022 MILEAGE BREAKDOWN OF ROAD RATINGS FOR CROSS VILLAGE TWP. (all)

PASER RATING	# OF MILES	AVERAGE REPAIR COST	TOTAL
10	0.00	\$ 0	\$ 0
9	1.31	0	0
8	3.47	700	2,429
7	1.01	2,600	2,626
6	2.37	85,000	201,450
5	4.10	140,000	574,000
4	0.00	170,000	0
3	0.00	280,000	0
2	4.00	400,000	1,600,000

TOTAL HARD-SURFACED MILES = 16.26 miles

COST = \$ 2,380,505

2022 AVERAGE ROAD RATING = 5.49

(21' = 5.68, 20' = 5.50, 19' = 5.93, 18' = 5.94, 17' = 5.51, 16' = 5.67, 15' = 5.73, 14' = 6.47, 13' = 5.23, 12' = 5.06, 11' = 5.32, 10' = 5.42, 09' = 5.21, 08' = 5.24, 07' = 5.03, 06' = 5.24, 05' = 4.81)

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	1.83	700	1,281
7	1.01	2,600	2,626
6	2.37	85,000	201,450
5	2.50	140,000	350,000
4	0.00	170,000	0

TOTAL HARD-SURFACED MILES = 7.71 miles

COST = \$ 555,357

2022 AVERAGE ROAD RATING = 6.28

(21' = 6.67, 20' = 6.81, 19' = 7.38, 18' = 7.43, 17' = 6.60, 16' = 6.73, 15' = 6.90, 14' = 7.75, 13' = 7.03, 12' = 7.29, 11' = 7.45, 10' = 7.14, 09' = 6.62, 08' = 6.07, 07' = 6.00, 06' = 5.31, 05' = 4.85)

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. Cross Village Township has an average local road rating of 6.28. Good is considered to be 7 or better.

CROSS VILLAGE TOWNSHIP SUGGESTED 5-YEAR ROAD REPAIR LIST

2022 REPAIRS

RATING	PER MILE	# MILES	COST	SELECTED ROADS (miles)
5	\$ 83,000	1.60	Rd. Comm.	Levering (1.60)*
2	\$ 400,000	0.65	\$ 380,000	Lake Shore (0.65)

TOTAL SUGGESTED 2022 EXPENSE = \$ 380,000 *Road Commission

2023 REPAIRS

RATING	PER MILE	# MILES	COST	SELECTED ROADS (miles)
7	\$ 2,600	1.01	Rd. Comm.	Division (1.01)*
6	\$ 85,000	1.02	\$ 86,700	Chippewa (0.16), Division (0.26)**, Oak (0.56), Shomin (0.17)

TOTAL SUGGESTED 2023 EXPENSE = \$ 86,700 *Road Commission
**1/2 with Readmond Twp.

2024 REPAIRS

RATING	PER MILE	# MILES	COST	SELECTED ROADS (miles)
6	\$ 85,000	0.19	\$ 16,150	Brady (0.06), Cole (0.13)
5	\$ 110,000	0.50	\$ 55,000	Pine (0.11), Wadsworth (0.39)

TOTAL SUGGESTED 2024 EXPENSE = \$ 71,150

2025 REPAIRS

RATING	PER MILE	# MILES	COST	SELECTED ROADS (miles)
5	\$ 110,000	2.00	\$ 110,000	Division (2.00)*

TOTAL SUGGESTED 2024 EXPENSE = \$ 110,000 *1/2 with Readmond Twp.

2026 REPAIRS

RATING	PER MILE	# MILES	COST	SELECTED ROADS (miles)
6	\$ 85,000	1.03	\$ 87,550	Hill (1.03)

TOTAL SUGGESTED 2024 EXPENSE = \$ 87,550

TOTAL PROJECTED 5-YEAR COST

2022	\$ 380,000
2023	\$ 86,700
2024	\$ 71,150
2025	\$ 110,000
2026	\$ 87,550

TOTAL = \$ 735,400

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 local hard-surfaced roads in the township in the next 5 years. This does not take into account the roads that fall further into disrepair from their current rating.