

2022 LITTLE 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 +/-

**LITTLE TRAVERSE TOWNSHIP**

The township has assessed the 1 Mil approved by the voters since it's inception. 1 Mil brings in approximately \$456,000 per year. The 2022 allocation is \$16,952. Little Traverse Township is set to receive \$253,403 in ARPA funds. The MTA has indicated those funds can be used for road improvements. Therefore, total amount available for road improvements in 2022 is \$726,400.

TOTAL 2022 INVESTMENT AVAILABLE = \$726,400

TOTAL 5-YEAR ROAD EXPENSE = \$2,614,400

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

PASER RATING	ROAD NAME	LIMITS
10	None	-
9	Beach Road Catob Road Clayton Road N. Conway Road Graham Road Hedrick Road Powers Road	From Fern to Bridge for 0.17 miles From Hedrick then west for 0.23 miles From N. Conway to Duverney for 0.49 miles From Hathaway to Edward for 2.30 miles From Bellmer to Cincinnati for 0.49 miles From Hathaway to Highland for 1.99 miles From N. Conway to Littlefield Twp. for 0.50 miles
8	Arcadia Drive Beach Drive Bester Road	From Winfield to Linden for 0.24 miles From City of Harbor to Pennsylvania for 0.76 miles From Hoyt to Hedrick for 1.93 miles

	<p>Bridge Street  Catob Road  Catob Road  Catob Road  Chippewa Trail  Commerce Court  W. Conway Road  Dayton Road  Duverney Lane  Emmet Heights Road  Fern Avenue  Forest Ridge Lane  Harbor Lane  Heacock Road  Hiawatha Trail  Horseshoe Drive  Hoyt Road  King Avenue  Liegl Court  Liegl Drive  Linden Drive  Manitoba Trail  Manitou Trail  Meadow Lane  Mink Road  Moeller Road  Page Hill Road  Pennsylvania Ave.  Pleasantview Lane  Ramona Park Road  Rosada Street  Waldenwood Trail  Winfield Drive  Woodview Drive</p>	<p>From M-119 to Beach for 0.33 miles  From Hedrick to Pleasantview for 0.99 miles  From Emmet Heights then west for 0.25 miles  From Emmet Heights then east for 0.76 miles  From N. Conway then east for 0.25 miles  From W. Conway then south for 0.28 miles  From M-119 to Heydey for 2.39 miles  From Hathaway to Duverney for 0.49 miles  From Pleasantview to Clayton for 0.51 miles  From M-119 to Catob for 2.27 miles  From Beach to Ramona Park for 0.54 miles  From Waldenwood then north and south for 0.28 miles  From Hill then east for 0.07 miles  From Page Hill to M-119 for 0.24 miles  From Powell to Rosada for 0.16 miles  From Mink thru entire loop for 0.36 miles  From Bester then north for 1.43 miles  From Beach to Pennsylvania for 0.11 miles  From Liegl Drive thru entire loop for 0.43 miles  From N. Conway thru entire loop for 0.44 miles  From Arcadia to Winfield for 0.29 miles  From N. Conway then west for 0.21 miles  From Catob then west and north for 0.38 miles  From Woodview to Mink for 0.32 miles  From Hathaway then south for 1.01 miles  From Woodview to Mink for 0.48 miles  From M-119 then south for 0.42 miles  From Fern to Beach Dr. for 0.27 miles  From Pleasantview then west for 0.14 miles  From Beach to Fern for 0.06 miles  From Hiawatha to U.S.31 for 0.22 miles  From Emmet Heights to Forest for 0.22 miles  From Arcadia to Pleasantview for 0.18 miles  From M-119 to Mink for 0.50 miles</p>
7	<p>Emmet Heights Road  Hathaway Road  Hoyt Road  Warren Street</p>	<p>From Catob to Waldenwood for 0.32 miles  From Pleasantview to Kipp for 1.00 mile  From Lake to Bester for 0.50 miles  From U.S.31 then west for 0.18 miles</p>
6	<p>Cedar Lane  W. Conway Lane  Church Street  Clayton Road  Edward Road  Emmet Heights Road  Greenleaf Drive  Harbor Lane  Hedrick Road  Heydey Street  Highland Road  Hill Drive  E. Lake Road</p>	<p>From Pennsylvania to Beach Dr. for 0.13 miles  From W, Conway to W. Conway for 0.30 miles  From W. Conway then north for 0.07 miles  From W. Conway to Hathaway for 0.51 miles  From N. Conway to N. Ayr for 0.98 miles (1/2 Pl. Tp.)  From Waldenwood to Warwick for 0.18 miles  From N. Conway then east for 0.15 miles  From Hedrick to Hill for 0.10 miles  From M-119 to W. Hiawatha for 0.56 miles  From W. Conway to Rosada for 0.15 miles  From Pleas. Twp. to Hedrick for 0.65 miles (1/2 Pl. Tp.)  From Harbor Lane then east and north for 0.11 miles  From Lake Street then east for 0.19 miles</p>

	McBride Park Court McBride Park Drive Page Hill Road Pennsylvania Avenue Pleasantview Road	From W. Conway then south for 0.21 miles From McBride Park Court then west for 0.10 miles From Beach then north for 0.10 miles From Harbor Springs to Beach Dr. for 0.68 miles From Quick to Pleasantview Twp. for 1.00 miles
5	Quick Road Woodloft Trail	From Hedrick to Hoyt for 1.93 miles From M-119 then north for 0.19 miles
4	Beach Road N. Conway Road W. Conway Road E. Hathaway Road W. Hathaway Road Pleasantview Road Quick Road	From M-119 to Bridge for 2.49 miles From U.S.31 to Hathaway for 0.97 miles From U.S.31 to Railroad grade for 0.12 miles From Mink to N. Conway for 1.51 miles From Pleasantview to Hedrick for 1.00 miles From M-119 to Quick for 1.54 miles From Hedrick to Pleasantview for 0.99 miles
3	Ottawa Lane	From Manitoba then north for 0.13 miles

**2022 MILEAGE BREAKDOWN OF ROAD RATINGS FOR LITTLE TRAV. TOWNSHIP (all)**

PASER RATING	# OF MILES	AVERAGE	
		REPAIR COST	TOTAL
10	0.00	\$ 0	\$ 0
9	6.17	0	0
8	20.21	700	14,147
7	2.00	2,600	5,200
6	6.17	85,000	524,450
5	2.12	140,000	296,800
4	8.62	170,000	1,465,400
3	0.13	280,000	3,640
2	0.00	400,000	0

TOTAL HARD-SURFACED MILES = 45.42 miles

COST = \$ 2,309,637

2022 AVERAGE SURFACE RATING = 6.91

(21' = 6.99, 20' = 6.92, 19' = 6.46, 18' = 6.58, 17' = 6.72, 16' = 6.17, 15' = 6.85, 14' = 6.41, 13' = 6.57, 12' = 6.43, 11' = 5.92, 10' = 5.84, 09' = 5.69, 08' = 5.55, 07' = 5.71, 06' = 5.53, 05' = 6.07)

**LOCAL ROAD BREAKDOWN**

PASER RATING	# OF MILES	AVERAGE REPAIR COST	TOTAL
10	0.00	\$ 0	\$ 0
9	3.20	0	0
8	17.40	700	12,180
7	1.00	2,600	2,600
6	4.49	85,000	381,650
5	0.19	140,000	26,600
4	1.00	170,000	170,000
3	0.13	280,000	36,400
2	0.00	400,000	0

TOTAL HARD-SURFACED MILES = 27.41 miles

COST = \$ 629,430

2022 AVERAGE SURFACE RATING = 7.56

(21' = 7.43, 20' = 7.23, 19' = 7.31, 18' = 7.11, 17' = 7.14, 16' = 7.00, 15' = 6.86, 14' = 6.56, 13' = 6.38, 12' = 6.44, 11' = 5.70, 10' = 5.74, 09' = 5.73, 08' = 5.08, 07' = 5.01, 06' = 5.16, 05' = 5.47)

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 is to improve the condition to a 7 or above. Little Traverse Township has achieved that goal with a 7.56 rating. Good is considered to be 7 or better.

**LITTLE 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	\$ 85,000	0.18	\$ 15,300	Warren (0.18)*
6	\$ 85,000	0.70	\$ 305,575	Church (0.07), Hedrick (0.56)**, Heydey (0.07)
4	\$ 170,000	1.09	\$ 250,000	N. Conway (0.97)***, W. Conway (0.12)***
3	\$ 280,000	0.13	\$ 13,000	Ottawa (0.13)****

TOTAL SUGGESTED 2022 EXPENSE = \$ 333,875      \*Ultra-thin asphalt  
 \*\*Additional drainage needed  
 \*\*\*MDOT funded  
 \*\*\*\*Narrow road

**2023 REPAIRS**

7	\$ 2,600	2.00	Rd. Comm.	Emmet Heights (0.32), Hathaway (1.00), Hoyt (0.50), Warren Street (0.18)
6	\$ 85,000	3.71	\$ 246,075	Cedar (0.13), W. Conway Ln. (0.30), Clayton (0.51), Edward (0.98)*, Emmet Heights (0.18), Greenleaf (0.15), Harbor Ln. (0.10), Highland (0.65)*, Hill (0.11), E. Lake (0.19), McBride Pk. Ct. (0.21), McBride Pk. Dr. (0.10), Page Hill (0.10)
5	\$ 110,000	0.19	\$ 20,900	Woodloft (0.19)
4	\$ 170,000	1.00	\$ 220,000	W. Hathaway (1.00)**

TOTAL SUGGESTED 2023 EXPENSE = \$ 486,975      \*1/2 Pl. Twp.  
 \*\*Mill and Fill

**2024 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
3	\$ 280,000	1.51	Fed-aid	E. Hathaway (1.51)*

TOTAL SUGGESTED 2023 EXPENSE = \$                      \*Fed-aid

**2025 REPAIRS, 2026 REPAIRS**

Gravel or Primary Upgrade

**TOTAL PROJECTED 5-YEAR COST**

2022      \$ 333,875  
 2023      \$ 486,975  
 2024      Gravel or Primary Upgrade  
 2025      Gravel or Primary Upgrade  
 2026      Gravel or Primary Upgrade

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TOTAL = \$ 519,725

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 roads in the township next 2 years. This does not take into account the roads that fall further into disrepair from their current rating.