

2022 READMOND 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 +/-

**READMOND TOWNSHIP**

Readmond Township brings in approximately \$84,300 per in revenue from the 1 Mil. Readmond had roughly \$200,000 available in 2021. The Hill Road project cost around \$155,000 leaving a \$45,000 carry-over for 2022. Readmond Township is set to receive \$62,173 from ARPA. The MTA indicates those funds can be used for road improvements. The 2022 allocation is \$16,952. Therefore, the amount available is \$208,500.

TOTAL 2022 INVESTMENT = \$ 208,500  
 TOTAL 5-YEAR ROAD EXPENSE = \$ 609,700

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

PASER RATING	ROAD NAME	LIMITS
10	Hill Road	From Division to Beckon for 0.51 miles
9	Robinson Road State Road Van Road	From State then west for 1.10 miles From Fr. Twp. to Division for 6.15 miles From State then east and north for 1.63 miles
8	Beckon Road Island View Road Robinson Road Rugged Road	From State to Dzedzie for 2.98 miles From State then east and south for 0.82 miles From M-119 to Church for 0.75 miles From Van to Beckon for 1.71 miles
7	Wormwood Road	From State then west for 0.62 miles
6	Church Road	From Robinson to Middle Village for 1.01 miles

	Division Road Island View Road Lamkin Road Van Road	From State to 0.26 miles w. of Gully for 1.27 miles From State to Gully for 1.00 miles From M-119 then west and south for 0.27 miles From Center Twp. then west and south for 1.75 miles
5	Division Road Island View Road Island View Road Robinson Road	From Hill to State for 2.00 miles (1/2 w/ Cr. Vill.) From M-119 to Wilkinson for 0.47 miles From Gully to Vorce for 0.50 miles From Church then east for 2.84 miles
4	Island View Road Wormwood Cutoff	From Wilkinson to Vorce for 0.29 miles From State to Wormwood for 0.16 miles (north to south)
3	None	-
2	Robinson Road	From State to Center Twp. for 2.02 miles
1	None	-

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

PASER RATING	# OF MILES	AVERAGE REPAIR COST	TOTAL
10	0.51	\$ 0	\$ 0
9	8.88	0	0
8	6.46	700	3,829
7	0.62	2,600	1,612
6	5.30	28,000	148,400
5	5.81	140,000	813,400
4	0.45	170,000	76,500
3	0.00	280,000	0
2	2.02	400,000	808,000

TOTAL HARD-SURFACE MILES = 30.05 miles

COST = \$ 1,851,741

2022 AVERAGE ROAD SURFACE RATING = 6.91

(21' = 6.69, 20' = 6.27, 19' = 6.38, 18' = 6.03, 17' = 5.32, 16' = 5.21, 15' = 5.71, 14' = 5.56, 13' = 5.58, 12' = 5.39, 11' = 5.55, 10' = 5.91, 09' = 6.03, 08' = 5.65, 07' = 5.20, 06' = 5.65, 05' = 4.83)

**LOCAL ROAD BREAKDOWN**

PASER RATING	# OF MILES	AVERAGE REPAIR COST	TOTAL
10	0.51	\$ 0	\$ 0
9	0.00	0	0
8	5.51	700	3,164
7	0.62	2,600	1,612
6	3.55	28,000	99,400
5	2.79	83,000	231,570
4	0.45	170,000	76,500

TOTAL HARD-SURFACE MILES = 13.43 miles

COST = \$ 412,246

2022 AVERAGE ROAD SURFACE RATING = 6.74

(21' = 6.65, 20' = 7.22, 19' = 7.33, 18' = 7.51, 17' = 7.55, 16' = 7.41, 15' = 7.87, 14' = 7.85, 13' = 7.46, 12' = 7.18, 11' = 7.68, 10' = 7.39, 09' = 6.78, 08' = 6.50, 07' = 4.76, 06' = 5.30, 05' = 4.81)

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 2 years. Our goal should be to improve the average ratings to a good condition. Readmond Township has a 6.74 rating. Good is considered to be 7 or better.

**READMOND 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	\$ 110,000	0.27	\$ 30,000	Lamkin (0.27)*
Lamkin Road Gravel (1.01 miles): Add 6" of gravel = \$72,600				
Lamkin Drive Gravel (0.63 miles): Add 6" of gravel = \$45,300				
Gully Road Culvert Replacement: \$55,000				
TOTAL SUGGESTED 2022 EXPENSE = \$ 202,900 * 1-1/2 Asphalt				

**2023 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
7	\$ 2,600	0.62	Rd. Comm.	Wormwood (0.62)*
5	\$ 110,000	2.00	\$ 110,000	Division (2.00)*
TOTAL SUGGESTED 2023 EXPENSE = \$ 110,000 *1/2 Cr. Vill. Twp.				

**2024 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
6	\$ 28,000	3.28	\$ 74,200	Church (1.01), Division (1.27)*, Island View (1.00)
2	\$ 400,000	2.02	BIA	Robinson (2.02)*
TOTAL SUGGESTED 2024 EXPENSE = \$ 74,200 * BIA				

**2025 REPAIRS**

<b>RATING</b>	<b>PER MILE</b>	<b># MILES</b>	<b>COST</b>	<b>SELECTED ROADS (miles)</b>
5	\$ 110,000	0.97	\$ 106,700	Island View (0.47)*, Island View (0.50)*
4	\$ 110,000	0.45	\$ 49,500	Island View (0.29)*, Wormwood (0.16)*
TOTAL SUGGESTED 2025 EXPENSE = \$ 156,200 * BIA				

**2026 REPAIRS**

Gravel or Primary Road repairs

**TOTAL PROJECTED 5-YEAR COST**

2022	\$ 202,900
2023	\$ 110,000
2024	\$ 74,200
2025	\$ 156,200
<u>2026</u>	<u>Gravel or primary</u>

TOTAL = \$ 543,300

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 4 years. This does not take into account the roads that fall further into disrepair from their current rating.