

2022 SPRINGVALE 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 +/- |

SPRINGVALE TOWNSHIP

Springvale Township brings in approximately \$130,400 for the 1 Mil they assess. The township assesses 2 more Mils which passed in the past few years which bring in another \$250,000 for road improvements. Springvale Township used the 2021 allocation. The 2022 allocation is \$16,952 for each township. Springvale is set to receive \$229,538 in ARPA funds. The MTA has indicated the funds can be used for road improvements. Therefore, roughly \$625,000 is available to spend in 2022.

TOTAL 2022 INVESTMENT AVAILABLE = \$625,000

TOTAL 5-YEAR ROAD EXPENSE = \$2,210,600

CATEGORIZATION OF HARD-SURFACED ROADS IN SPRINGVALE TOWNSHIP

| PASER RATING | ROAD NAME | LIMITS |
|--------------|------------------------|--|
| 10 | Rustic Road | From Pickerel Lake then east for 1.30 miles |
| 9 | Cincinnati Pt. Lane | From B. C. Twp. then east for 0.21 miles |
| 8 | Amacher Road | From Pickerel Lake then south for 0.27 miles |
| | Artesian Lane | From Ellsworth to the lake for 0.05 miles |
| | Bear River Road | From Bear Cr. Twp. to Maxwell for 0.72 miles |
| | Berger Road | From Greenwood to Mitchell for 2.11 miles |
| | Berry Creek Valley Rd. | From Mitchell thru entire loop for 0.95 miles |
| | Botsford Road | From Pickerel Lake then north for 0.51 miles |
| | Channel Road | From Pickerel Lake to Stanley Ct. for 0.84 miles |

| | | |
|---|--|--|
| | Cove Road Driftwood Drive Ellsworth Road Graham Road Greenwood Road Hency Road Mitchell Road Newson Road Oden Island Drive Township Park Road | From Pickerel Lake then north for 0.32 miles From Cove then east for 0.22 miles From Pickerel Lake to Artesian for 0.98 miles From Bear Creek Twp. to Crooked Lake for 0.58 miles From B. C. Twp. to Maxwell for 1.78 miles From Pickerel Lake then north for 0.66 miles From Maxwell to Hopper for 4.09 miles From Maxwell to Welsh for 0.51 miles From Channel to Littlefield Twp. for 0.42 miles From Ellsworth then east for 0.55 miles |
| 7 | Twildo Road | From Mitchell to Wildwood for 1.47 miles |
| 6 | Blanchard Road Channel Road Harmon Road Mitchell Road Pickerel Lake Road Silver Creek Road Welsh Road | From Mitchell to Pickerel Lake for 0.97 miles From Stanley Ct. to Oden Island Rd. for 0.77 miles From Maxwell to Welsh for 0.44 miles From B. C. Twp. to Maxwell for 2.04 miles From Channel to Blanchard for 1.50 miles From Mitchell to Pickerel Lake for 1.00 mile From Harmon to Newson for 1.05 miles |
| 5 | Mitchell Road | From Hopper to Cheb. Cty. for 2.82 miles |
| 4 | Camp Petosega Road Channel Road Maxwell Road Pickerel Lake Road | From Banwell then west and north for 0.78 miles From Oden Island then east for 1.07 miles From Taylor to Newson for 1.30 miles From Amacher then east for 0.28 miles |
| 3 | Banwell Road Ellsworth Road Maxwell Road Maxwell Road Pickerel Lake Road Pickerel Lake Road Wildwood Road | From Pickerel Lake to Littlefield Twp. for 0.62 miles From Mitchell to Pickerel Lake for 1.58 miles From Bear River to Taylor for 1.23 miles From Newson to Greenwood for 1.24 miles From Channel then west for 0.70 miles From Banwell to Blanchard for 4.67 miles From Mitchell to Boyer Hill for 2.67 miles |
| 2 | Maxwell Road | From Greenwood to Mitchell for 2.49 miles |

2022 MILEAGE BREAKDOWN OF ROAD RATINGS FOR SPRINGVALE TOWNSHIP (all)

| <u>PASER RATING</u> | <u># OF MILES</u> | <u>AVERAGE REPAIR COST</u> | <u>TOTAL</u> |
|---------------------|-------------------|----------------------------|--------------|
| 10 | 1.30 | \$ 0 | \$ 0 |
| 9 | 0.21 | 0 | 0 |
| 8 | 15.56 | 700 | 10,892 |
| 7 | 1.47 | 2,600 | 3,822 |
| 6 | 7.77 | 28,000 | 217,560 |
| 5 | 2.82 | 140,000 | 394,800 |
| 4 | 3.43 | 170,000 | 583,100 |
| 3 | 12.71 | 280,000 | 3,558,800 |
| 2 | 2.49 | 400,000 | 996,000 |

TOTAL HARD-SURFACED MILES = 47.76 miles COST = \$ 5,764,974

2022 AVERAGE ROAD SURFACE RATING = 5.59

(21' = 5.57, 20' = 5.63, 19' = 5.22, 18' = 5.51, 17' = 5.66, 16' = 5.66, 15' = 5.53, 14' = 5.64, 13' = 5.14, 12' = 5.05, 11' = 5.11, 10' = 5.04, 09' = 5.12, 08' = 5.35, 07' = 5.49, 06' = 5.70, 05' = 5.60)

LOCAL ROAD BREAKDOWN

| <u>PASER RATING</u> | <u># OF MILES</u> | <u>AVERAGE REPAIR COST</u> | <u>TOTAL</u> |
|---------------------|-------------------|----------------------------|--------------|
| 10 | 1.30 | \$ 0 | \$ 0 |
| 9 | 0.21 | 0 | 0 |
| 8 | 11.47 | 700 | 8,029 |
| 7 | 1.47 | 2,600 | 3,822 |
| 6 | 3.26 | 28,000 | 91,280 |
| 5 | 0.00 | 140,000 | 0 |
| 4 | 1.85 | 170,000 | 314,500 |
| 3 | 0.00 | 280,000 | 0 |
| 2 | 0.00 | 400,000 | 0 |

TOTAL HARD-SURFACED MILES = 19.56 COST = \$ 417,631

2022 AVERAGE ROAD SURFACE RATING = 7.36

(21' = 7.25, 20' = 7.40, 19' = 6.75, 18' = 7.16, 17' = 6.87, 16' = 6.71, 15' = 6.44, 14' = 6.41, 13' = 5.93, 12' = 5.41, 11' = 5.38, 10' = 4.81, 09' = 4.44, 08' = 4.68, 07' = 4.49, 06' = 4.34, 05' = 5.06)

The goal of Asset Management is to allocate public resources to be spent 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. Springvale has achieved the goal the average rating of 7.36. Good is considered to be 7 or better.

SPRINGVALE TOWNSHIP SUGGESTED 5-YEAR ROAD REPAIR LIST

2022 REPAIRS

| RATING | PER MILE | # MILES | COST | SELECTED ROADS (miles) |
|---------------|-----------------|----------------------------------|-------------|--|
| 6 | \$ 28,000 | 5.73 2.47 prim. 3.26 local | \$ 91,280 | Blanchard (0.97)*, Channel (0.77), Harmon (0.44), Pickerel Lake (1.50)*, Silver Creek (1.00), Welsh (1.05) |
| 5 | \$ 28,000 | 2.82 | \$ 78,960* | Mitchell (2.82)* |

Roy Road, Artesian Lane, Trails End and Stanley Court gravel upgrade estimates

TOTAL SUGGESTED 2022 EXPENSE = \$ 91,280 *Road Commission
Plus gravel upgrades

2023 REPAIRS

| RATING | PER MILE | # MILES | COST | SELECTED ROADS (miles) |
|---------------|-----------------|----------------|-------------|--------------------------------------|
| 7 | \$ 2,600 | 1.47 | \$ 3,822* | Twildo (1.47)* |
| 4 | \$ 170,000 | 1.85 | \$ 314,500 | Camp Petosega (0.78), Channel (1.07) |

Pave 2022 gravel upgrade or upgrade more gravel roads.

TOTAL SUGGESTED 2023 EXPENSE = \$ 314,500 *Road Commission

2024 REPAIRS, 2025 REPAIRS, 2026 REPAIRS

Gravel or primary road improvements

TOTAL PROJECTED 5-YEAR COST

- 2022 \$ 91,280 (plus gravel road upgrade. Estimates provided)
- 2023 314,500 (plus gravel road upgrade)
- 2024 Gravel or primary road improvements
- 2025 Gravel or primary road improvements
- 2026 Gravel or primary road improvements

TOTAL = \$ 785,780

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