

# Roads and Infrastructure in

# Norvell

# Township

**TOWNSHIP of  
NORVELL**



**ESTABLISHED 1873**



# Roads and Streets are an Important Community Space...

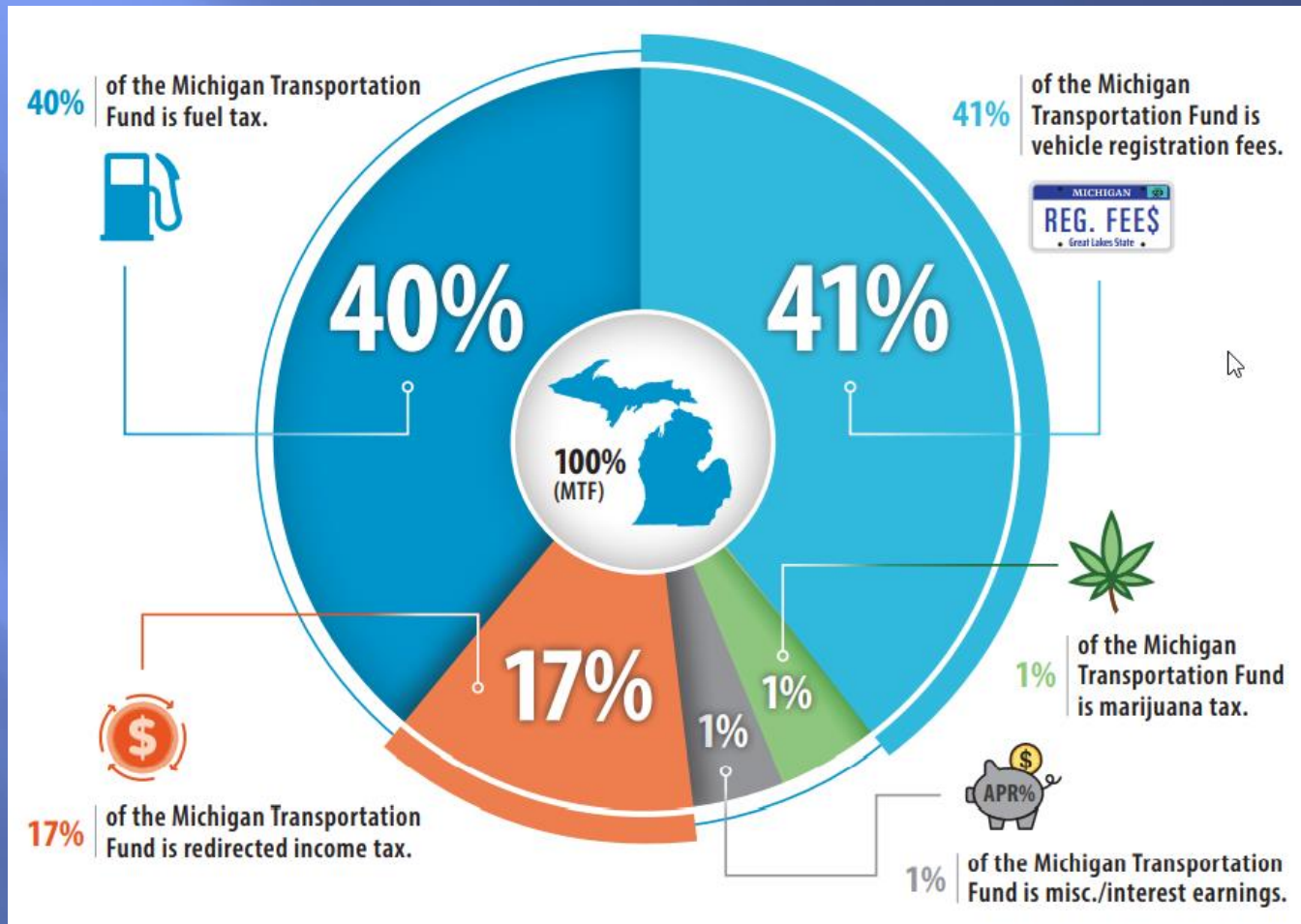


# The Problem...Funding!

- Revenue sources were down since 2003
  - Gas taxes did not increase from 1997 to 2015.
  - Grants are increasingly competitive
  
- Construction inflation & higher material fuel prices & the “**Triple Whammy**” Effect:
  1. Operating costs UP
  2. Construction material costs UP
  3. Revenues DOWN
  
- Net effects:
  - Defer improvements & maintenance
  - Make cuts in projects
  - Increased pressure on local governments for revenues
  - People are unhappy!



# State of Michigan Road Funding



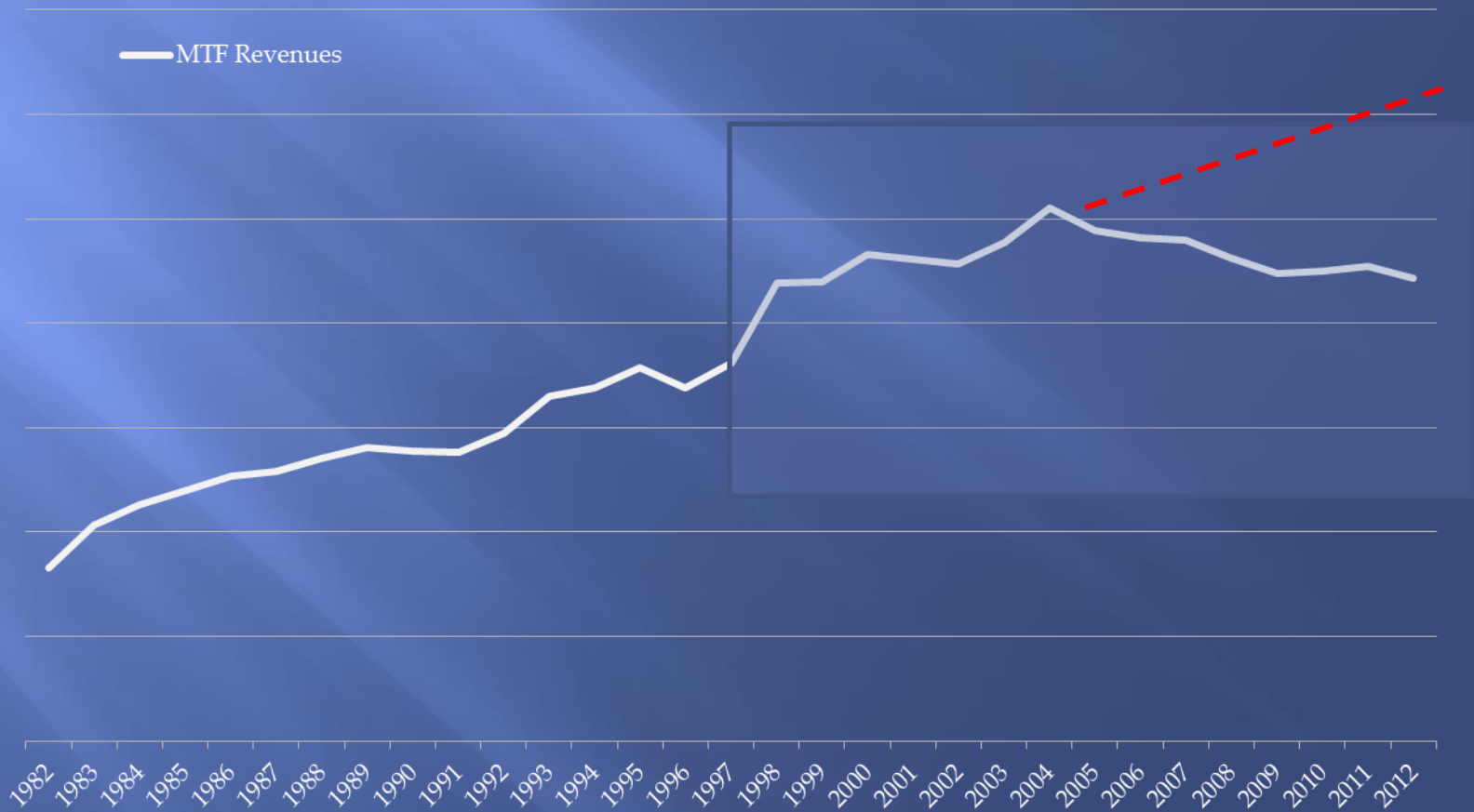
# Where does the money you pay at the pump go?

- ▣ 2015 Road Funding Legislation
  - Gas tax increased to 26.3¢ in 2016 and to 28.3¢ in 2023
    - ▣ Gas & diesel parity
    - ▣ Was 19¢ for 20 years!
  - Registration fees up 20%
- ▣ Fuel Efficiency?
- ▣ Electric Vehicles?
- ▣ Typical Michigan car owner driving an average of 15,000 miles a year, total state and federal road-users fee's are \$413 a year.



# MTF Revenue Trend

## 30-year History of MTF Revenues



# MTF Revenue Shortfall



# Construction Inflation Rates:

The Cost of Building Roads has more than  
**DOUBLED** in just 20 years!



## JCDOT Hot-Mix Asphalt Average Unit Price/Ton 2002 - Present





# 2020 Revenue Sources

- Michigan Transportation Fund (MTF)

- Grants

- Federal & State Sources
- Local Sources

- Intergovernmental Agreements

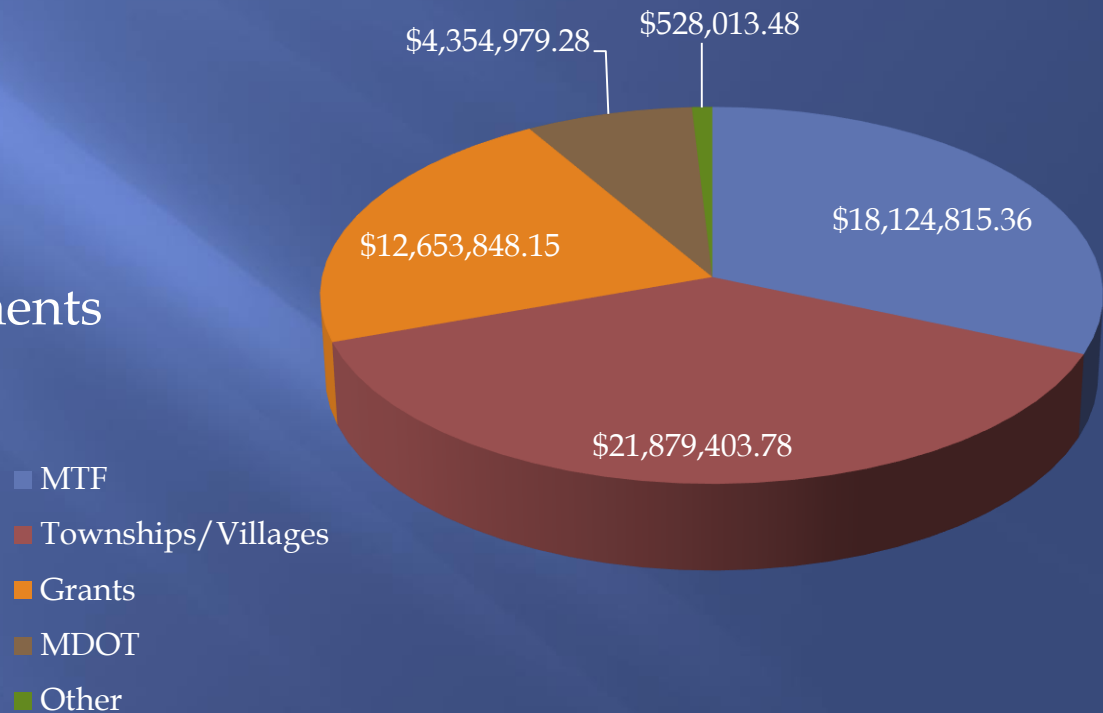
- Townships
- MDOT

- Other

- Permit fees
- Farmland leases

- Key:

- Road agencies have no authority to raise significant revenues



# Michigan Transportation Fund: Important things to know...

- Any MTF dollars used for local road construction must be matched dollar for dollar from “other sources”

its own name and the agreement may provide for joint participation in the costs.

(15) Money distributed from the Michigan transportation fund may be expended for construction purposes on county local roads only to the extent matched by money from other sources. However, Michigan transportation funds may be expended for the construction of bridges on the county local roads in an amount not to exceed 75% of the cost of the construction of local road bridges.

- Many counties do not provide *any* match for local road improvements:
- Most other counties cap their annual contribution

# Policy No. 8590 Local Road Improvement Funding Program

## ▣ Township match of 70%

- Road Construction (paving gravel roads)
- Resurfacing (re-paving bituminous roads)
- Heavy Maintenance (wedging and chipping bituminous roads)
- Seal Coating

## ▣ Township match of 50%

- Re-gravelling
- Bridge Replacement
- Culvert Replacement - Culvert projects under the road equal to forty-eight inches (48") or more in diameter.

# What is JCDOT doing now?

- ❑ JCDOT is doing its best to continue maintenance with the funds available
- ❑ JCDOT applies for all grants available
- ❑ Roads continue to deteriorate
- ❑ The cost of repairing the roads is increasing year after year, at a rate higher than general inflation



# Grants....

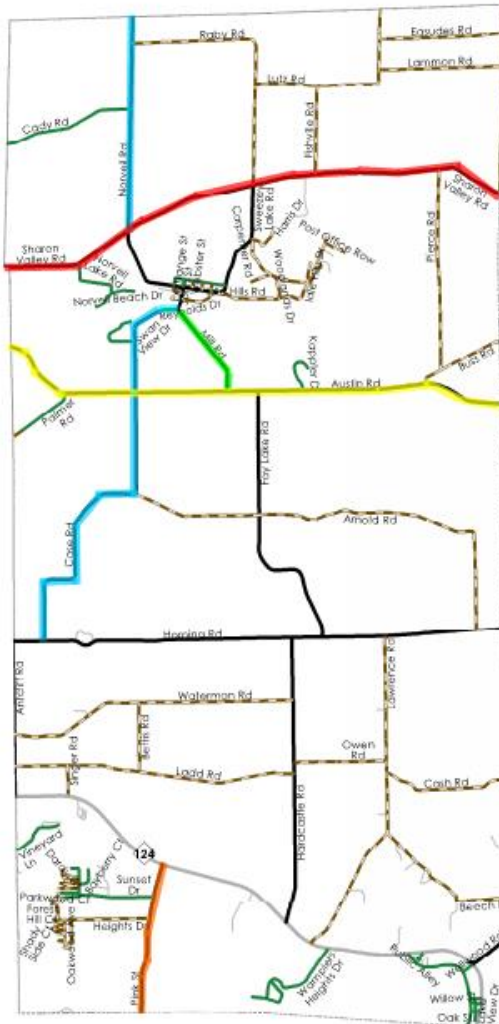
- ▣ Safety Grants
- ▣ Local Bridge Grants
- ▣ TAP Grants
- ▣ Economic Development Grants
- ▣ Federal BUILD/RAISE Grants
- ▣ Special Appropriations Funds

HOWEVER, local roads are generally not eligible for grants, except for bridges and limited safety funds

# 2017 - 2023 Norvell Township (JCDOT-Funded Projects)



## Norvell Township



- 2022
- 2020
- 2019
- 2018
- 2017
- ~16 miles

### Road Type

- Freeway
- Route
- Primary
- Local Paved
- Local Gravel
- Private Drive

**DISCLAIMER:** Maps are drawn as accurately as possible. They are intended to be a visual aid for road construction and related projects. They are subject to change based on new information and do not take the place of a formal contract.

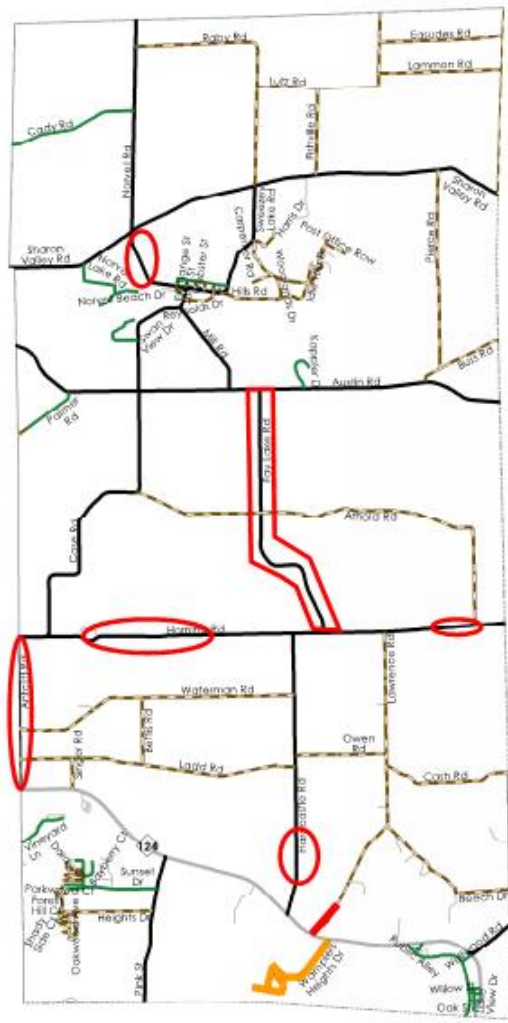
Source: Jackson County Department of Transportation



# Novell Township & JCDOT Partnership



## Norvell Township



- Road Type**
- Freeway
  - Route
  - Primary
  - Local Paved
  - Local Gravel
  - Private Drive

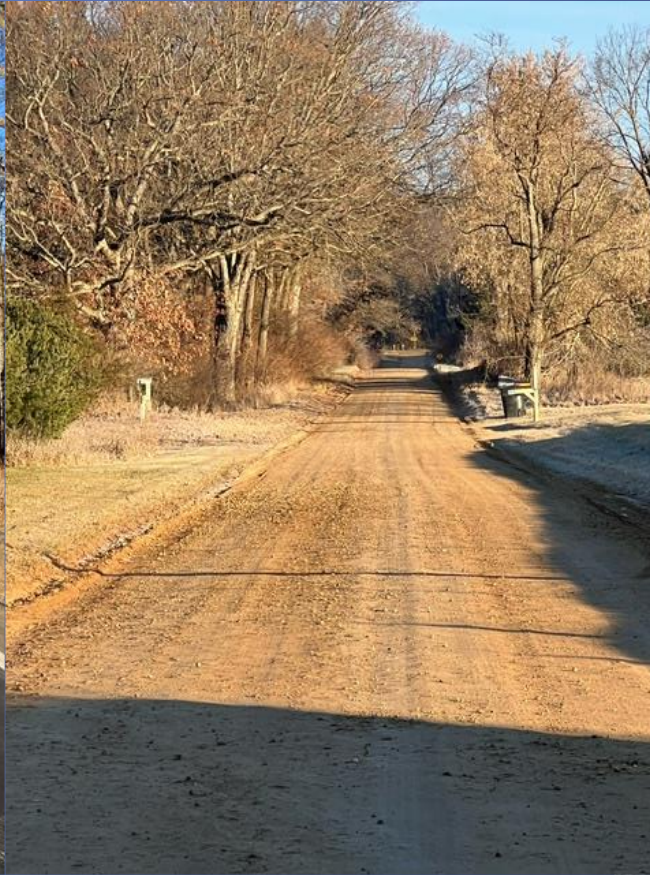


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# Current Conditions...



Sharon Valley Rd



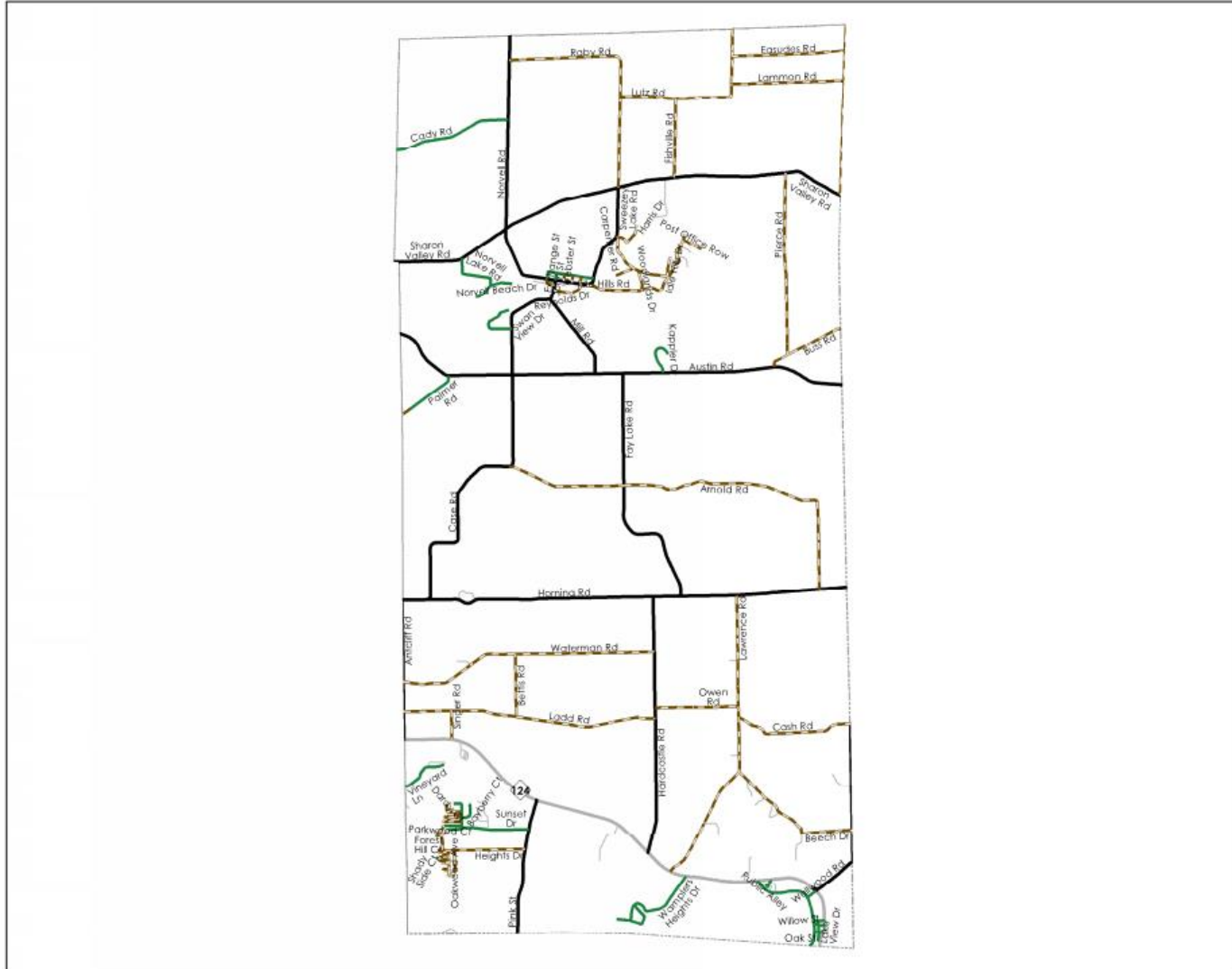
Fishville Rd



Watkins Rd



# Norvell Township Road Network



## Norvell Township

**Primary Roads:**  
30.2 miles

**Local Roads:**

Hard Surface:  
9.5 miles  
Gravel Surface:  
30 miles  
Total Miles:  
39.5 miles

### Road Type

- Freeway
- Route
- Primary
- Local Paved
- Local Gravel
- Private Drive

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Source: Jackson County Department of Transportation





# Treatment Cost Per Mile - 2021

▣ Chip Seal	\$26,000 - \$35,000
▣ Wedge & Chip Seal	\$110,000 - \$125,000
▣ 1.5 Inch overlay	\$125,000 - \$150,000
▣ 2 Inch Overlay	\$160,000 - \$200,000
▣ 3 Inch Overlay	\$230,000 - \$280,000
▣ Recycle	\$380,000 - \$460,000

# Road Miles

## Washtenaw

1653 miles of roads

- ▣ Primary Roads
  - 594 Miles
    - ▣ 515 miles hard surfaced
    - ▣ 79 miles gravel surfaced
- ▣ Local Roads
  - 1059 Miles
    - ▣ 370 miles hard surfaced
    - ▣ 689 miles gravel surfaced
- ▣ Totals
  - 885 hard surfaced
  - 768 gravel surfaced

## Jackson

1608 miles of road

- ▣ Primary Roads
  - 547 Miles
    - ▣ 547 miles hard surfaced
- ▣ Local Roads
  - 1061 Miles
    - ▣ 822 miles hard surfaced
    - ▣ 239 miles gravel surfaced
- ▣ Totals
  - 1369 hard surfaced
  - 239 gravel surfaced

# Funding Source 2022 estimate

## Washtenaw

- ▣ Michigan Transportation Funds
  - ~\$34,005,147.77
  
- ▣ County Millage
  - ~\$4,000,000
  
- ▣ Townships
  - ~\$7,000,000

## Jackson

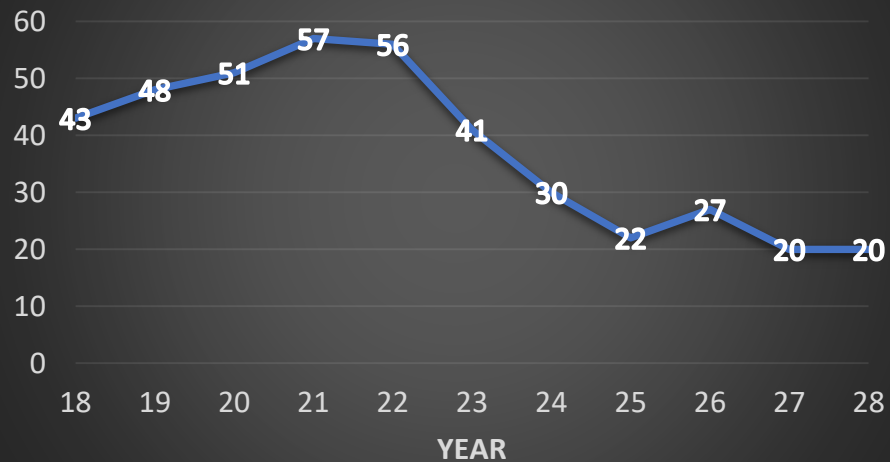
- ▣ Michigan Transportation Funds
  - ~\$20,551,960.46
  
- ▣ County Millage
  - None
  
- ▣ Townships
  - ~\$2,400,000

\* No bond-funded income in 2022

# MDOT Major Roadway Projects



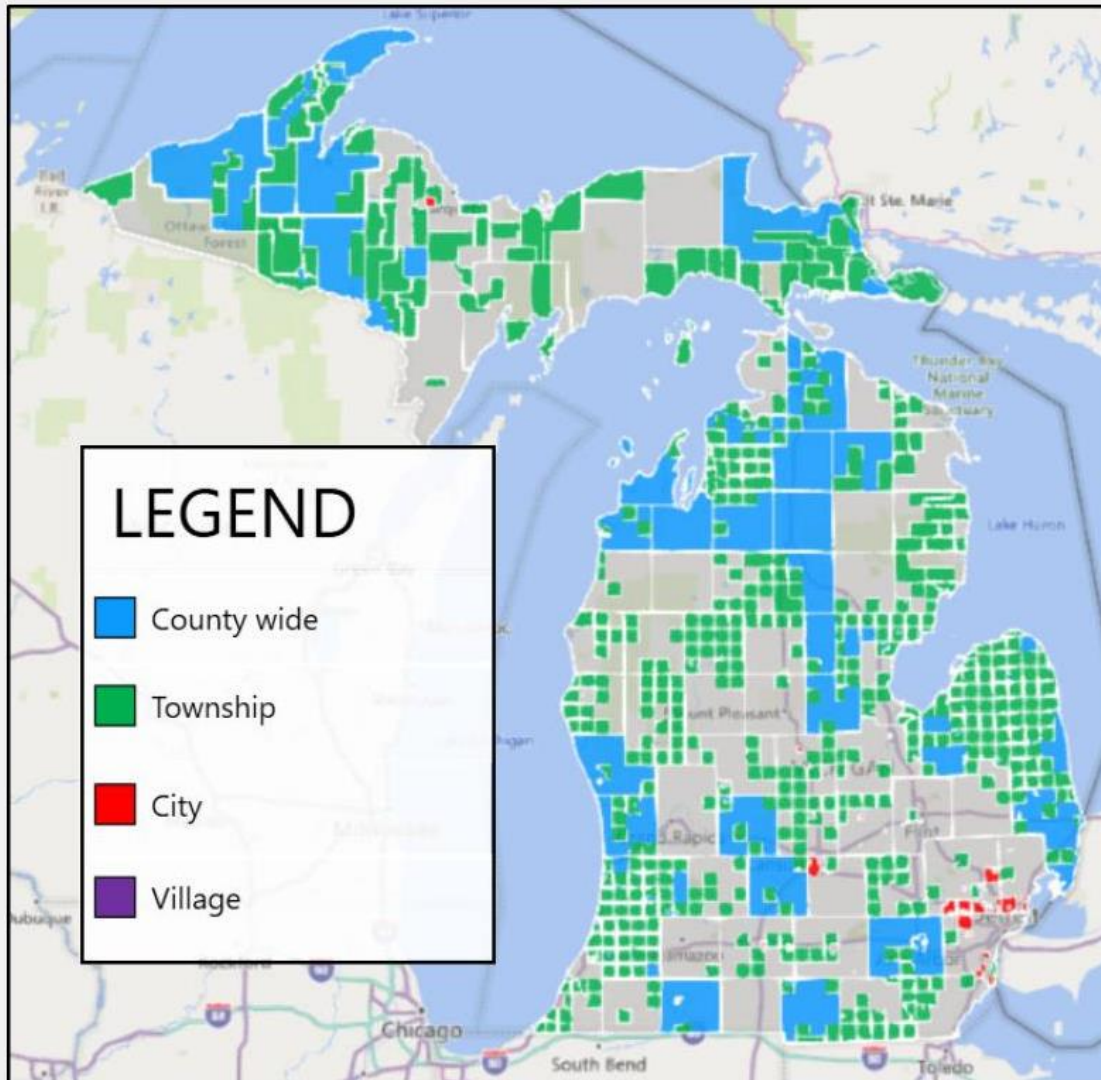
## # of Projects by Year



## Combined Projects Lane Miles



# Local Tax Millages



- County
  - 30 of 83 (36%)
- Township
  - 588 of 1240 (47%)
- City/Villages
  - 150 of 533 (28%)

\*Information from County Road Association

# Options available to you for a Local Road Improvement Program

1. Township General Funds
2. Special Assessment District (SAD) – Specific locations
3. Township-wide millage or SAD and “pay as you go”  
Concord Township
4. Township-wide millage and bond proposal  
Blackman Charter Township  
Spring Arbor Township  
Summit Township
5. Township-wide SAD and Bond Proposal



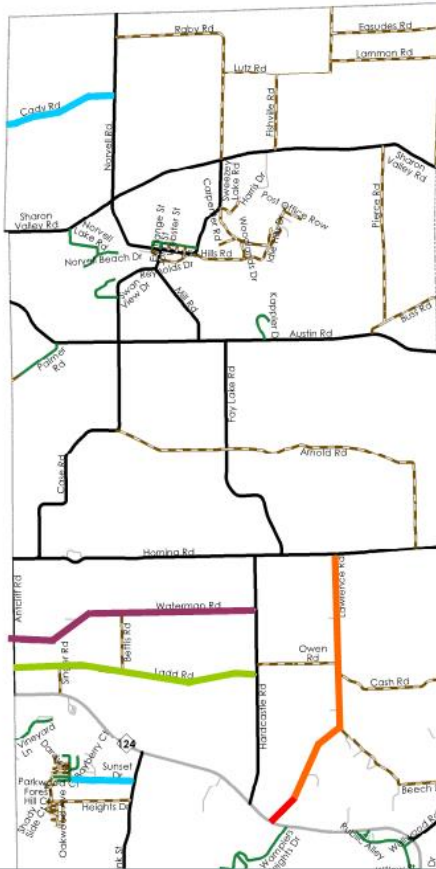


## Norvell Township

2023 - 2028 Potential Projects



### Road Type



# Novell Township Potential 5 year plan

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Source: Jackson County Department of Transportation

Year	Road Name	Length (Mi)	Treatment	Contingency	Estimate	Share	Township Cost
2024*	Lawrence Rd	2.3	4" Re-gravel	0	\$112,367.00	50%	\$56,183.50
2025	Ladd Rd	2.32	4" Re-gravel	10%	\$116,365.00	50%	\$58,182.50
2026	Waterman Rd	2.27	4" Re-gravel	15%	\$119,100.00	50%	\$59,550.00
2027/28	Cady Rd	0.96	Skip Pave/Chip Seal		\$86,000.00	70%	\$60,200.00
2027/28	Sunset Dr	0.58	Skip Pave/Chip Seal		\$86,000.00	70%	\$60,200.00

\* This does not include the .4 miles already under contract.

# Interesting Facts

- ▣ Road network breakdown (10<sup>th</sup> largest road network)
  - MDOT 8%
  - Counties 74%
    - ▣ 4<sup>rd</sup> Largest local road network
  - City/Villages 18%
- ▣ MDOT receives 75% of federal Funding
  - The balance is divided between 83 Counties and 533 City/Villages
- ▣ Cannabis Tax
  - Sales = ~\$1.7 Billion
    - ▣ \$49 Million deposited in MTF
      - Jackson received ~\$329,390
- ▣ Miles of Road
  - Primary – 547
  - Local – 830 paved & 231 gravel
  - Bridges 64
  - MDOT contract – 561



Thank  
you!

2019 National Award-Winner:  
**Rosehill Road**