

Twin Cities Area
Transportation Study
Combined TAC & Policy Meeting

September 16, 2019

WELCOME

- **Call to Order**
 - Introductions
- **Changes to the Agenda**
- **Public Comment**

MEETING MINUTES

TAC & Policy
Combined



**Approval of Minutes
August 19, 2019
Combined Meeting**

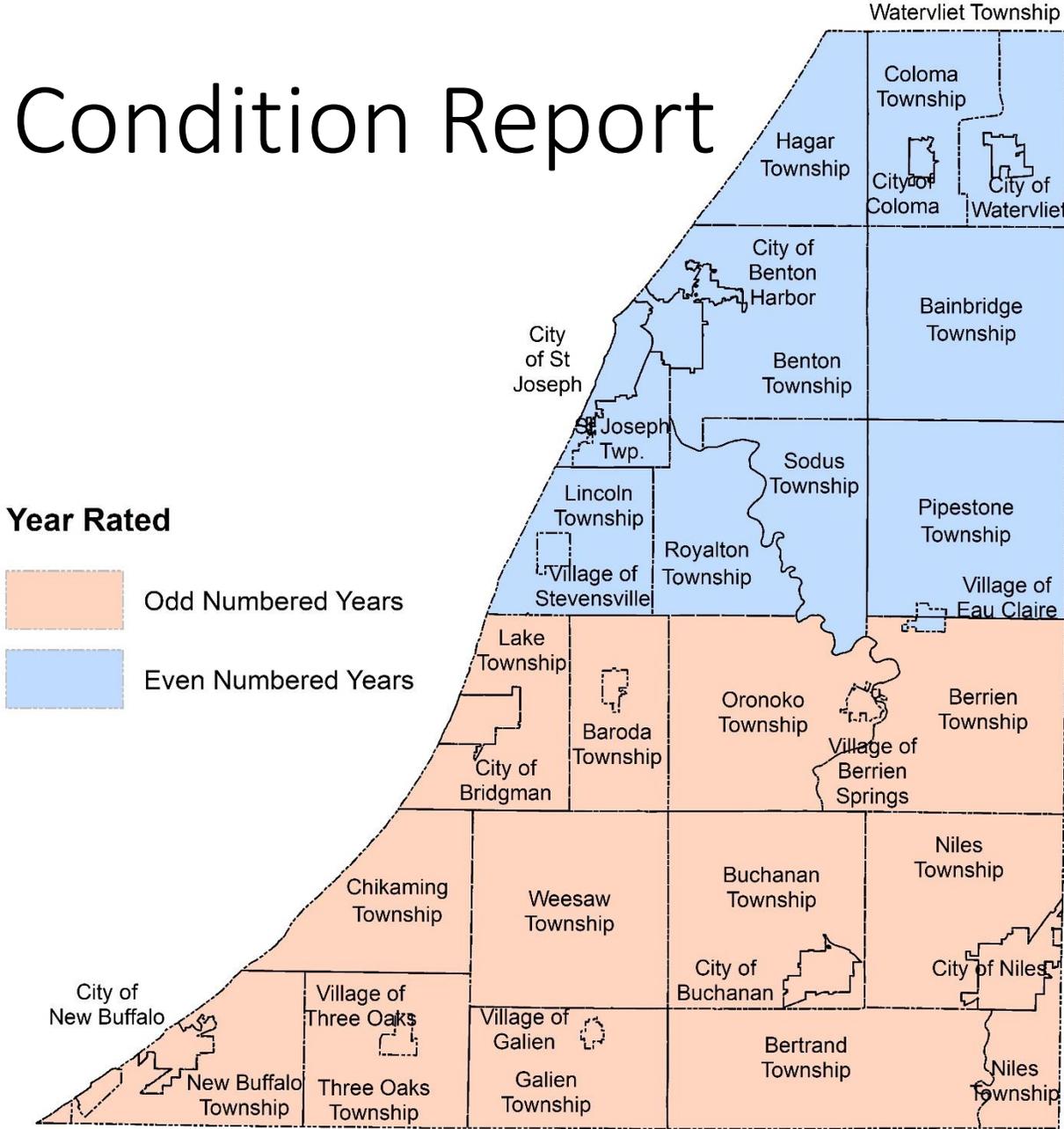
Berrien County Pavement Condition Report

Rating team consists of SWMPC, Berrien County Road Department & MDOT

50% of the Federal Aid Eligible roads rated each year

- 2018 – North half
- 2019 – South half

A total of 755 miles is rated every two years.



GOOD



PASER 10, 9, 8

Routine:

Crack Fill

Minor Patching

FAIR



PASER 7, 6, 5

Preventive:

Chip Seal

Hot Mix Asphalt (HMA)

Wedging

Concrete Joint Repair

POOR



PASER 4, 3, 2, 1

Rehabilitation/

Reconstruction:

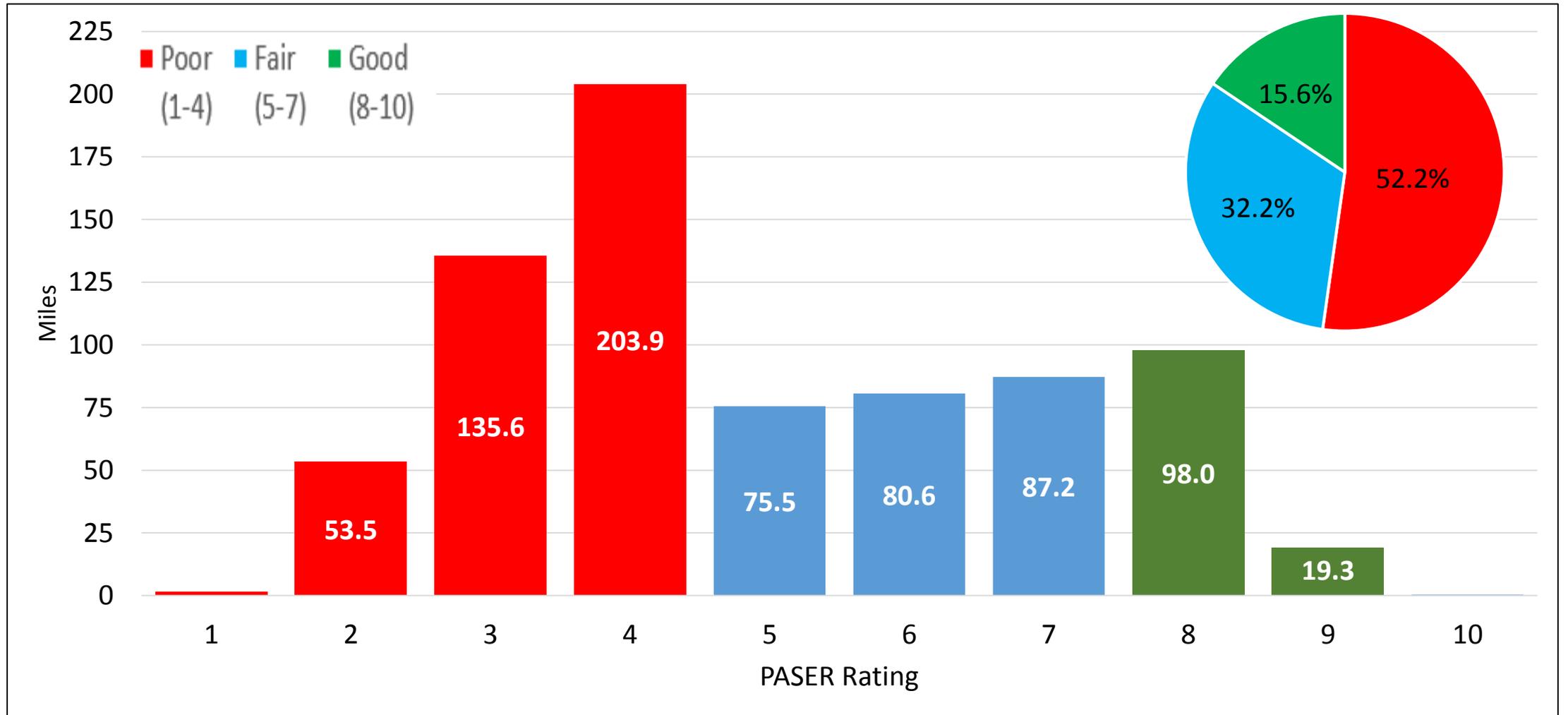
Resurface

Pulverize/HMA Paving

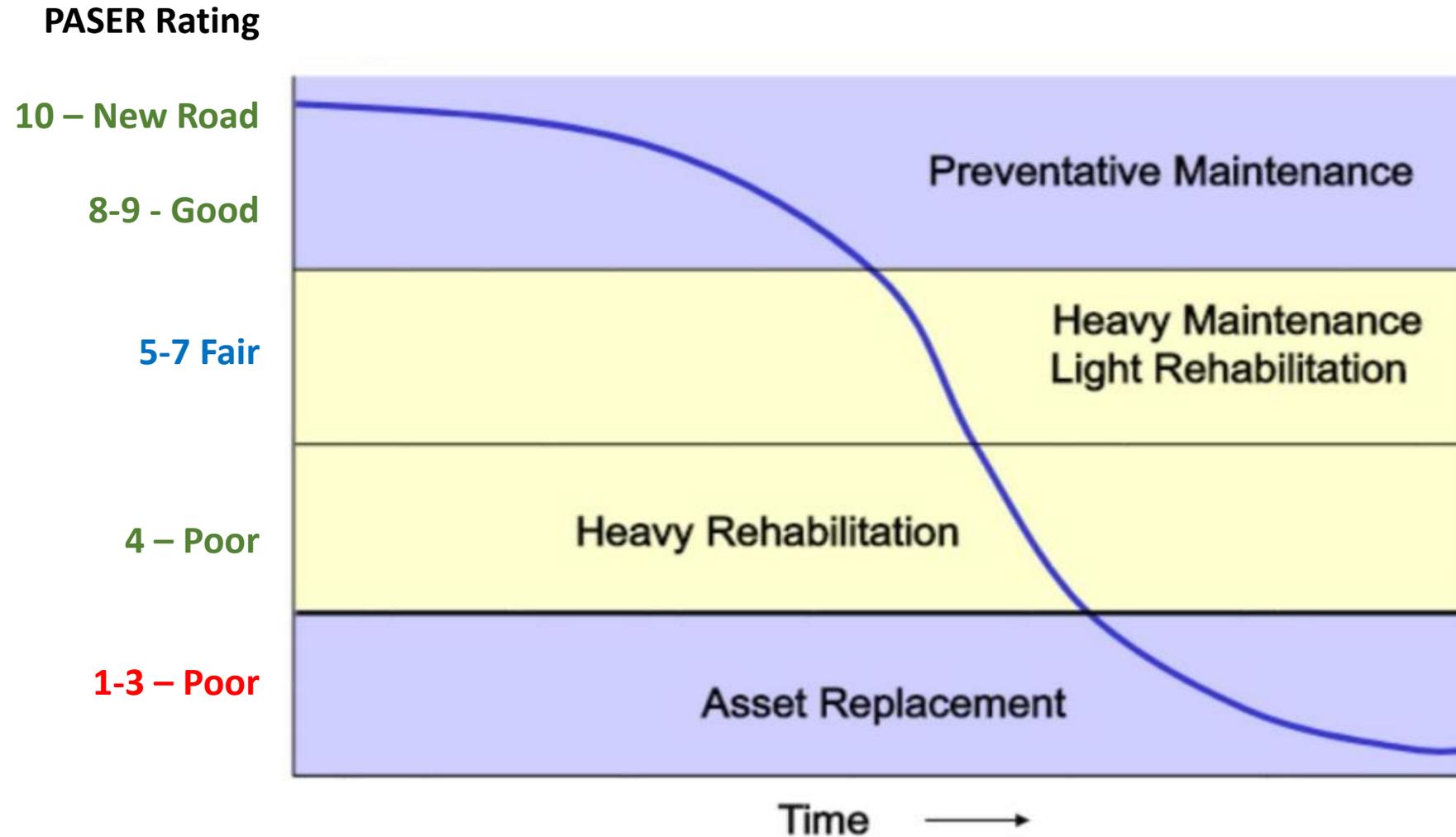
Replace Concrete Slab

Reconstruction

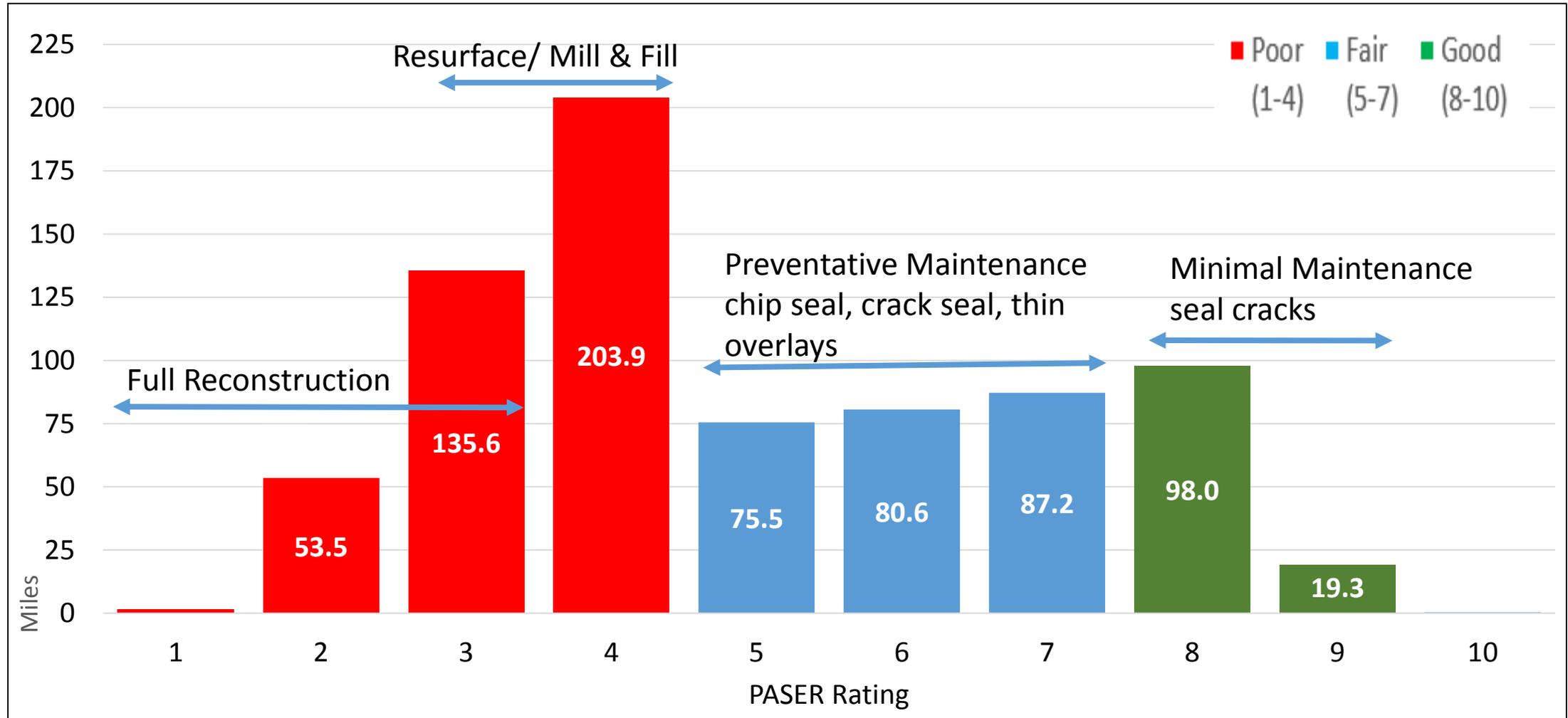
Berrien 2018/2019 Federal Aid Roads Pavement Condition



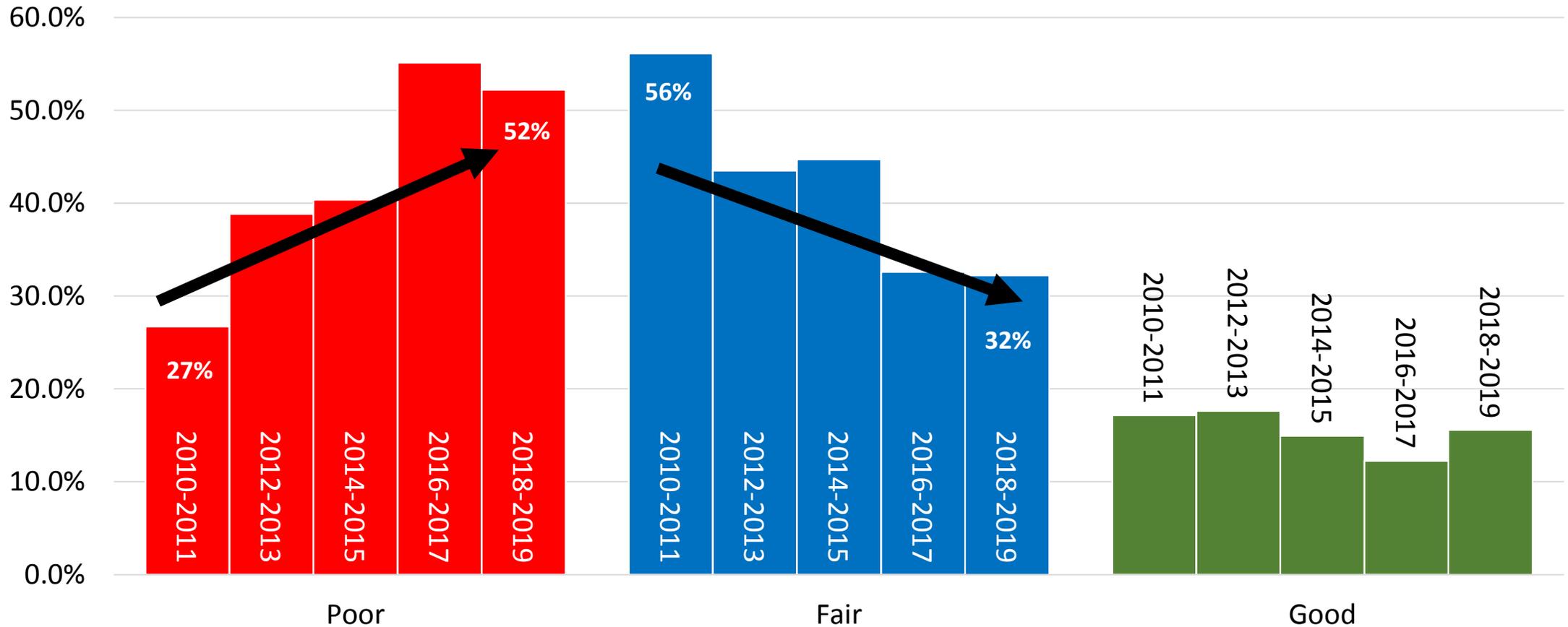
Berrien County Pavement Condition Report



Berrien 2018/2019 Federal Aid Roads Pavement Condition



Berrien County Ten-year Trends in Pavement Condition



Over 10 years pavement in poor condition experienced an increase from 27% (203 miles) to 52% (392 Miles). Over this same period roads in fair condition fell from 56% (422 miles) to 32% (241 mile)

Staff Report

Learning. Discussing. Connecting. - TwinCATS



Survey sent out to members:

- Provide education on transportation topics of interest
- Make meetings more engaging and useful
- Help committee members better understand the MPO process

OCTOBER MEETING:

The Impact of the U.S. Census on Funding

LAND USE & ZONING UPDATES

- This is an opportunity to share any Community, Land Use, or Zoning changes occurring within your communities.

AIRPORT UPDATES

Vince Des Jardins



PUBLIC TRANSIT

Twin Cities Area Transportation Authority



2020

Capital \$747,558

7 Busses, Facility Improvement, Mobility Manager Program

Operating: \$2,396,000

Red & Blue Fixed Routes & Dial a Ride Service

**Total:
\$3,143,558**

Twin Cities Area Transportation Authority— 2020 Projects

5307 FUNDING



	Federal	State	Local	Total
Operating:	\$906,000	\$764,000	\$340,000	\$2,010,000

Operating expenses for demand response service and portion of Blue fixed route



	Federal	State	Local	Total
Capital:	\$223,000	\$55,800	\$0	\$278,000

Purchase three 14 passenger busses

5339 FUNDING



	Federal	State	Local	Total
Capital:	\$105,646	\$ 26,412	\$0	\$132,058

Purchase one 14 passenger bus and replace floor drains in garage.

CMAQ FUNDING



	Federal	State	Local	Total
Capital:	\$210,000	\$ 52,500	\$0	\$262,500

Purchase three 14 passenger busses.

5310 FUNDING



	Federal	State	Local	Total
Capital:	\$60,000	\$ 15,000	\$0	\$75,000

Mobility Manager Program

CTF STATE FUNDING—Job Access Reverse Commute



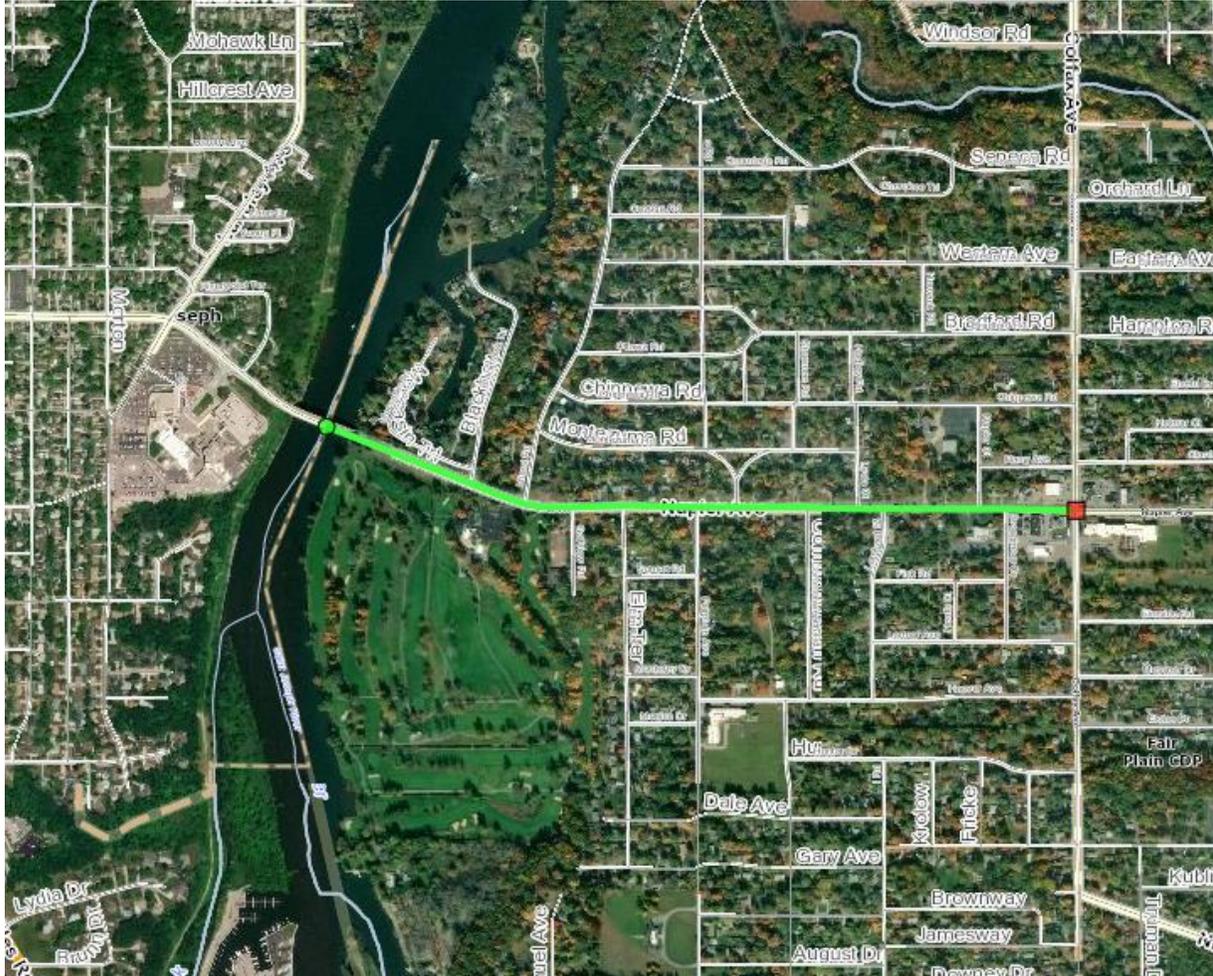
	Federal	State	Local	Total
Capital:	\$0	\$ 386,000	\$0	\$386,000

Operating for Red & Blue Fixed Routes

2019 Road Project Updates

Napier Avenue

Berrien County Road Department



Limits: St. Joseph River to Colfax Ave.

Length: 0.942 miles

Work Type: Road Rehabilitation

	Federal	Local	Total
Amount	\$537,500	\$118,800	\$656,300

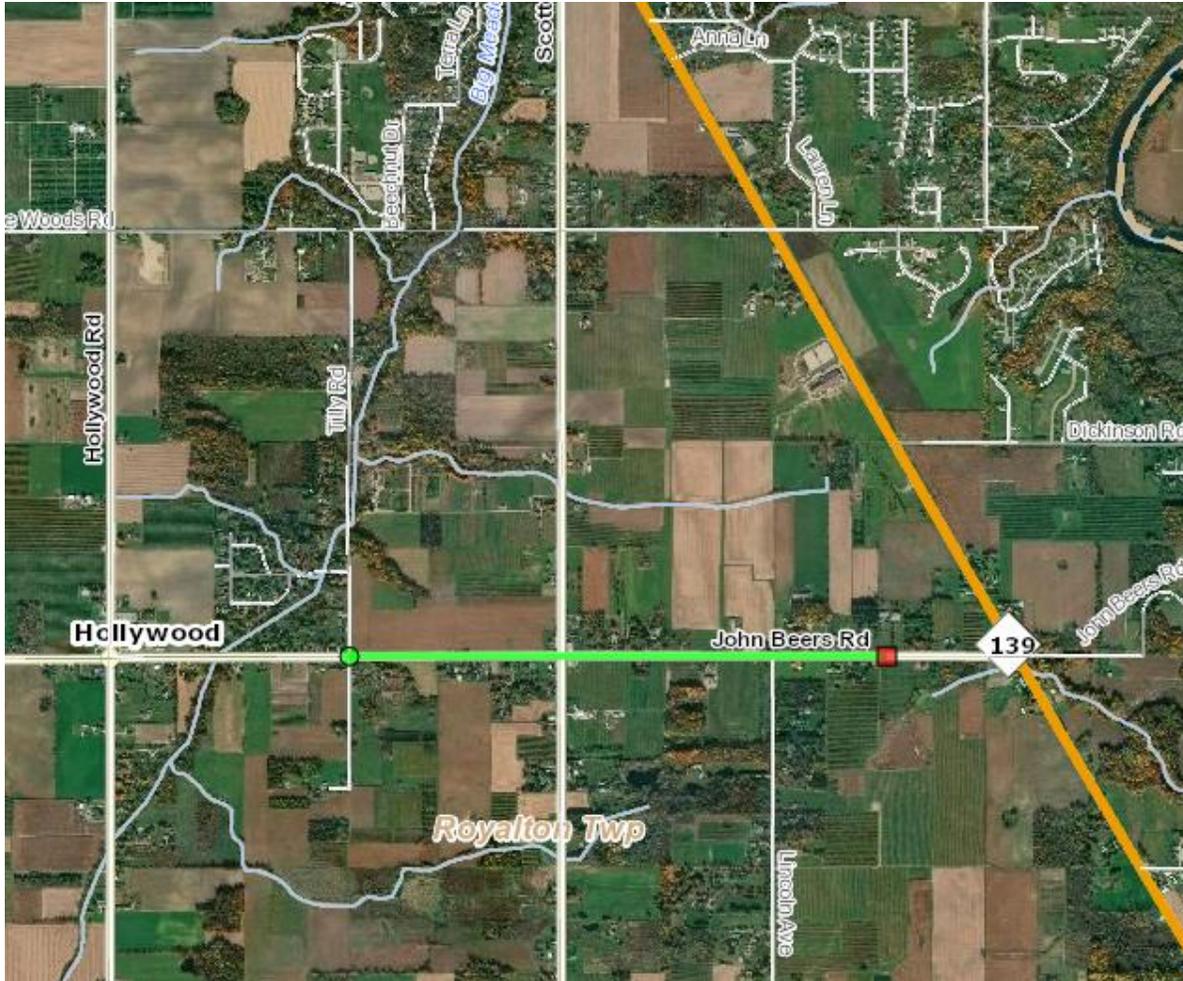
Construction Start Late September

Final Estimate: \$695,970

Final Bid Award: \$704,446

John Beers Road

Berrien County Road Department



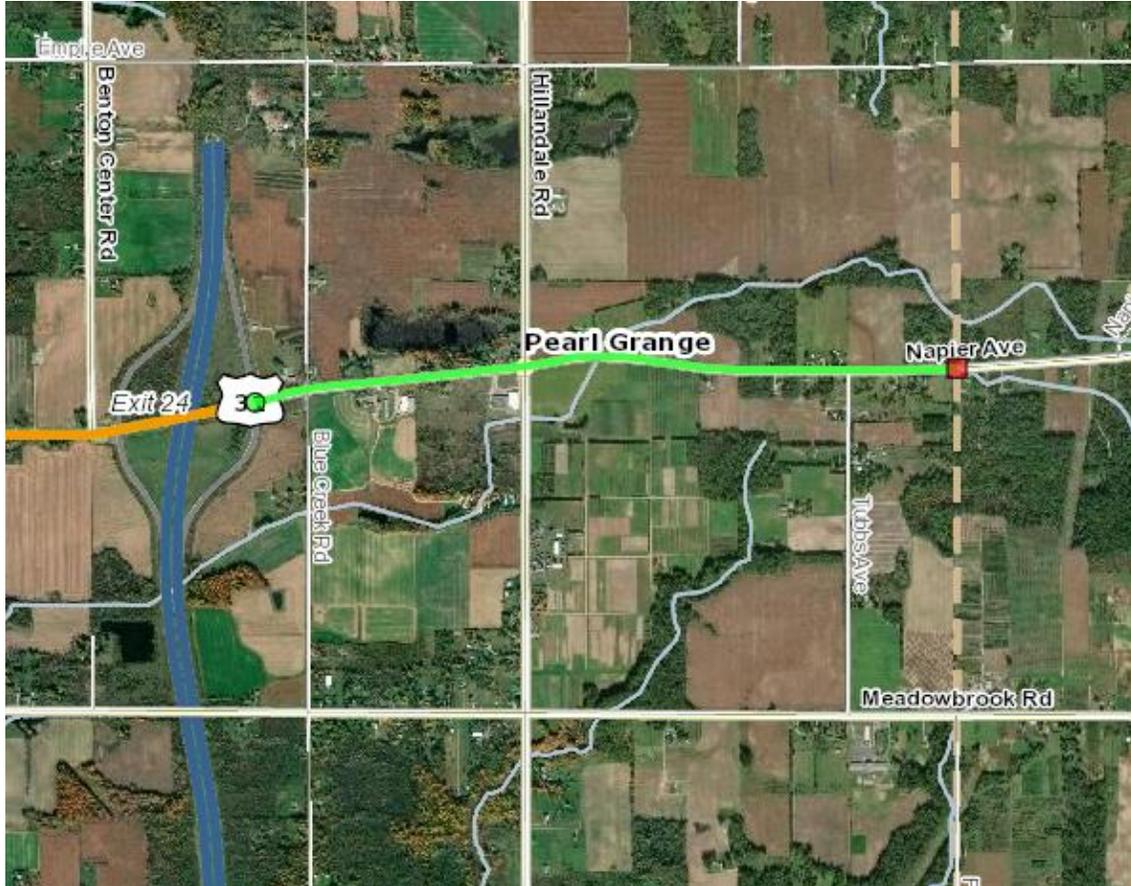
Limits:	Yellow Creek to Eidson Road
Length:	1.23 miles
Work Type:	Construct 5 feet paved shoulders and resurface

	Federal	Local	Total
Amount	\$335,000	\$74,415	\$409,415

Final Estimate: \$345,212
Final Bid Award: \$437,046

Napier Avenue – East of US-31

Berrien County Road Department



Limits:	US-31 East to Township line
Length:	1.63 miles
Work Type:	One course hot mix asphalt overlay

STBG- Rural	State D	Local	Total
\$474,324	\$123,471	\$22,205	\$620,00

Final Estimate: \$637,637

Pending Award: \$758,856

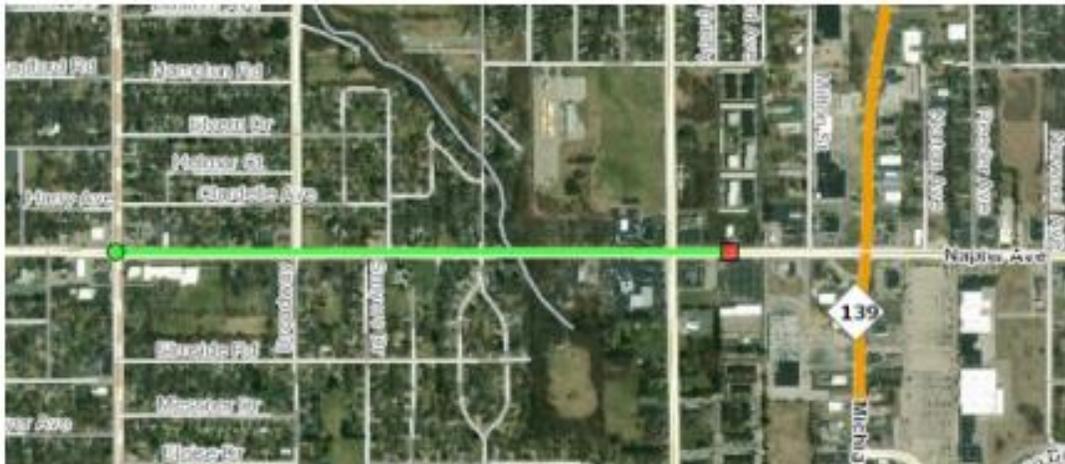
Project is located within the TwinCATS Planning Area, however it is using Rural STBG funding.

2020 Local Road Projects



Napier Avenue—Resurfacing 2020

Project Limits:	Colfax to 450 ft. east of Union
City/Township:	Benton Charter Township
Responsible Agency:	Berrien County Road Department
Length:	0.81 miles
Primary Work Type:	Resurface
Work Details:	Milling & Asphalt Overlay.
Traffic Volume—2017:	11,996 vehicles per day
Current PASER Rating:	4
Useful Life of the project:	10-15 yrs.



COST

Federal Cost:	\$471,000
Local Match:	\$104,000
Total Cost:	\$575,000

Federal Fund Source: Surface Transportation Block Grant — STUL



Marquette Woods—Bridge 2020

Project Limits:	150 ft. East and West of Hickory Creek
City/Township:	Lincoln Charter Township
Responsible Agency:	Berrien County Road Department
Length:	52 ft.
Primary Work Type:	Bridge Replacement
Work Description:	Widen and/or Replace existing bridge over Hickory Creek. Project will add paved shoulders.
Traffic Volume—2016:	3,836 vehicles per day
Current Bridge Rating:	Fair— Bridge Structure rated a 5 out of 10



COST

Federal Cost:	\$485,000
Local Match:	\$379,000
Total Cost:	\$864,000

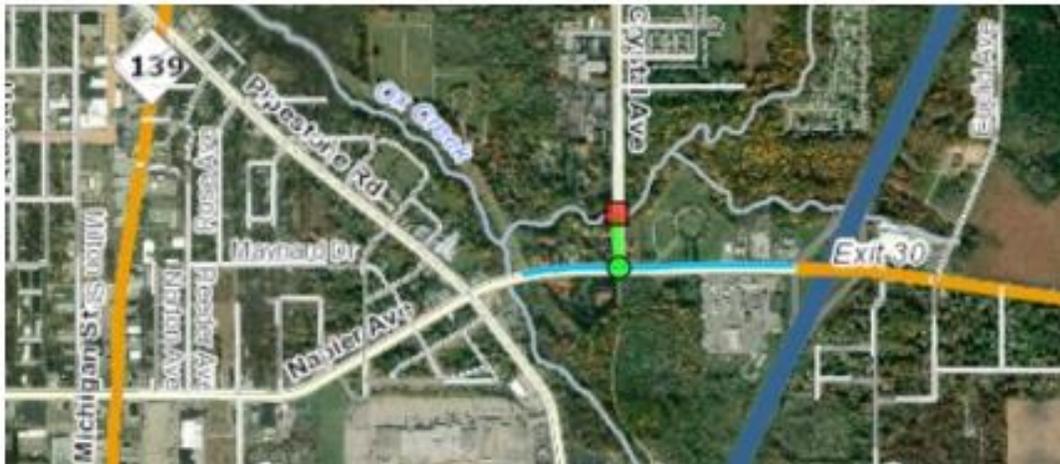
Federal Fund Source: Surface Transportation Block Grant — STUL



Napier Avenue—Signal

2020

Project Location:	Napier Avenue at Crystal Avenue
City/Township:	Benton Charter Township
Responsible Agency:	Berrien County Road Department
Primary Work Type:	Traffic Safety
Work Description:	Modernize signal to add actuation which will improve traffic flow.
Traffic Volume—2012:	13,850 vehicles per day
Emissions Reduction:	NOx 0.22 kg/day VOC 0.63 kg/day



COST

Federal Cost:	\$160,000
Local Match:	\$0
Total Cost:	\$160,000
Federal Fund Source:	CMAQ



Linco Road—Guardrail

2020

Project Location:	East of Hollywood Road to east of Garr Road
City/Township:	Royalton Township
Responsible Agency:	Berrien County Road Department
Primary Work Type:	Traffic Safety
Work Description:	Install guardrail.
Traffic Volume—2012:	13,850 vehicles per day
Crashes over last 5 year	Approximately 150
Fatal & Serious crashes	1 fatal & 3 serious Injury crashes



COST

Federal Cost:	\$392,055
Local Match:	\$43,562
Total Cost:	\$435,617

Federal Fund Source: High Risk Rural Roads (HRRR)

2020 Road Project Summary

Performance Category	Accomplishment	Federal Investment	Local Match	Total Cost
Pavement Condition	Resurface 0.8 miles	\$471,000	\$104,000	\$575,000
Bridge Condition	Replace a 52 ft. bridge	\$485,000	\$379,000	\$864,000
Air Quality	Improve traffic flow at an intersection	\$160,000	\$0	\$160,000
Safety	Address a location that had a fatal crash	\$392,055	\$43,562	\$435,617

\$1,508,055

*Total federal funds spent on locally controlled road projects
in the TwinCATS Area in 2020*

New Business

2020 Napier Avenue Amendment

Change Limits of Project

Old Limits Currently in TIP

I-94 to 4300 Feet West



Revised Limits

Colfax to 450 Feet East of Union Avenue

Note: Change was requested in order to can continue the 4 lane to 3 lane reconfiguration.

MDOT Project Additions

2020 Signal Replacement ROW Phase

Work Description: adds signal to vehicle communication ability

Location: M-63 at Washington Ave.

Cost: \$10,000 – 100% federal



2021 Replace 3 Signals

Work Description: adds vehicle detection

Locations

- I-94 & M-63 ramp,
- M-63 & Hollywood
- Red Arrow/I-94 BL & Marquette Woods

Cost

Federal	State	Total
\$752,508	\$166,867	\$919,375



FY 2020 TIP Amendments

Technical Advisory Committee votes to (recommend/deny) that:

The TwinCATS Policy Committee approve
the Amendment to the TwinCATS 20202-2023
Transportation Improvement Program

Policy Committee votes to (approve/deny) the recommendation from TAC.

State and Federal Updates



Privilege of the Floor / Public Comment

Next meeting is:

October 21, 2019, 9:30 AM

Kinexus (Michigan Works!)

Lighthouse Room

Third Monday of the month

2019 NOVEMBER

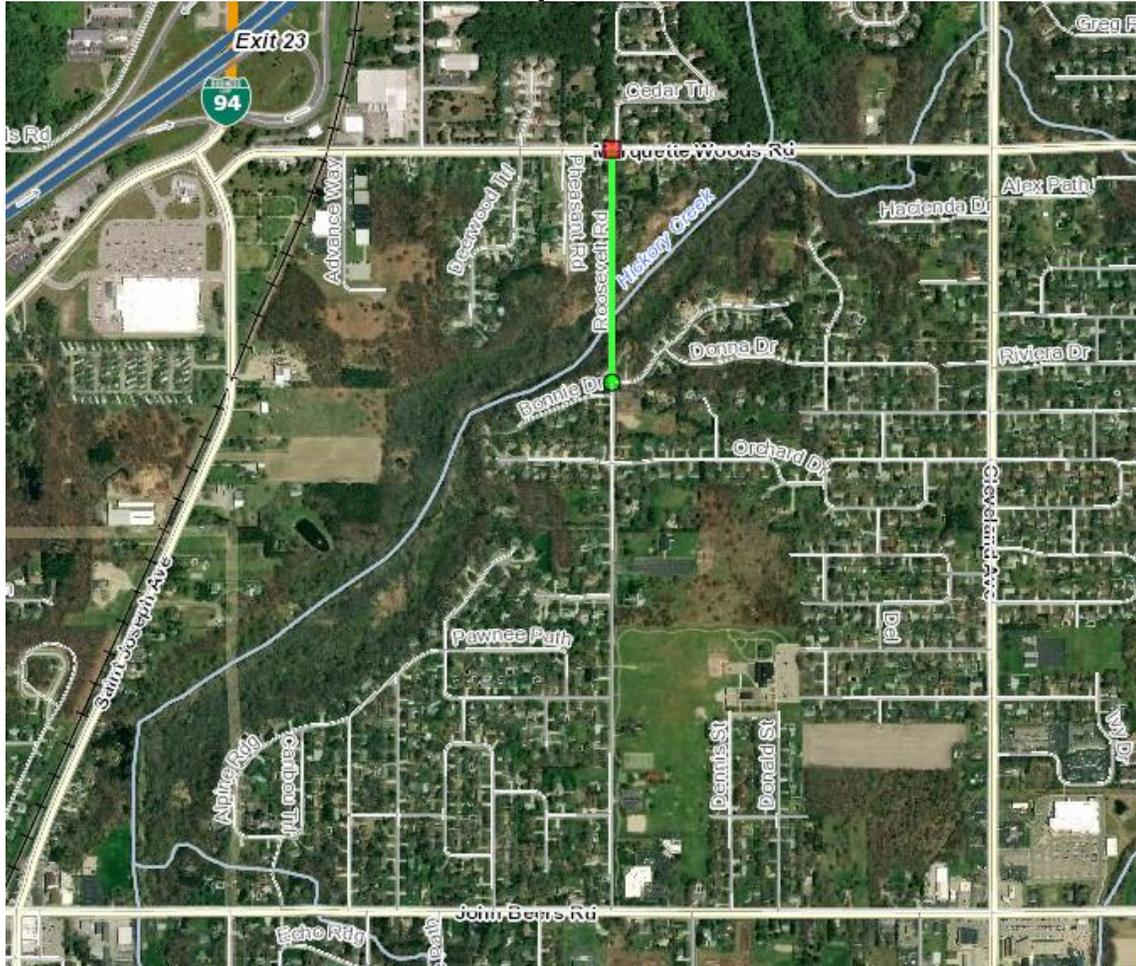
SUN	MON	TUE	WED	THU	FRI	SAT
					1 Request Due	2
3	4 Processing: review, programing, IAWG	5	6	7	8	9
10	11 Packet Sent	12	13	14	15	16
17	18 Meeting	19 Processing: typing Minutes, JobNet	20	21	22	23
24	25	26	27	28	29	30

MDOT - 2019 MDOT Project Updates

Name	Limits/Location	Work Description	Status
I-94	under Glenlord Road and Cleveland Avenue	Deep Overlay, Substructure Repair, Beam Repair,	Construction in progress.
M-139	at Tanglewood/Anna and M-43 at 16th Ave.	Install passing flares.	Construction in progress.
M-63	over St. Joseph River	Epoxy overlay, scour, mechanical & electrical	Construction starts September 5 th .
I-94 BL	over St. Joseph River in Benton Harbor	Epoxy overlay, joints, mechanical, electrical	Construction starts September 5 th .
M-139	Hinchman Road to north of the St. Joseph River	Mill and One Course Hot Mix Asphalt Overlay	Construction in progress.
M-139	Over Buckhorn Creek, north of Rocky Weed Rd.	Culvert Replacement and Road Reconstruction	Design in progress.
Various	Cantilevers W017-C, W023-C, W024-C, W029-C, W034-C, W043-C, W135-C, & W0136	Cantilevers Replacement Project	Design in progress. Dec 2019 Let.
M-60 E	Signal Corridors in Berrien, Cass, and Kalamazoo Counties	Traffic Signal Modernizations; connected vehicle installations.	Design in progress. June 2020 Let.
I-94	I-94 from I-196 to US-131 - VanBuren County	Variable Advisory Speed Limit System along I-94 in Van Buren Co.	Design in progress. Feb 2021 Let.

Roosevelt Path

Lincoln Township



Limits:	Hidden Pines Trail to Marquette Woods
Length:	0.3 miles
Work Type:	Build a non-motorized path

	CMAQ Federal	Local	Total
Amount	\$672,112	\$309,888	\$982,000

Activity	Estimated Date	Actual Date
Project Application Submitted to MDOT	5/10/2019	5/10/2019
Grade Inspection Package to MDOT	5/10/2019	5/10/2019
Grade Inspection Meeting Scheduled	6/12/2019	6/10/2109
Final Plan and Estimate to MDOT	7/26/2019	
Project Obligated	9/01/2019	
Project Letting	10/04/2019	
Construction Start	12/01/2019	
Project Completion	7/30/2019	

Finalizing meetings with property owners for granting permits and easements. Working on final MDEQ permits. Waiting for SHPO response. Reviewing plans with Water/ Sewer Authority to coordinate portion of the trail over Hickory Creek interceptor.