

ALLEGAN COUNTY PRIMARY ROAD MILLAGE

ALL AREAS



JANUARY 5, 2021

TOPICS

- ***ALLEGAN COUNTY ROAD COMMISSION INFORMATION***
- ***MILLAGE HISTORY & GUIDELINES***
- ***2020 COMPLETED PROJECTS***
- ***2021 PLANNING & PROPOSED PROJECTS***
- ***FUTURE PROPOSED PROJECTS***
- ***DISCUSSION & QUESTIONS***

ALLEGAN COUNTY ROAD COMMISSION INFORMATION

- Responsible for 1,800 miles (5th in State) of roadway and 155 bridges (9th in State) within 24 townships (4th in the State)
 - 522 Primary Miles
 - 493 miles paved
 - 29 miles gravel
 - 1278 Local Miles
 - 674 miles paved
 - 604 miles gravel
 - 67 miles seasonal, not maintained in winter
 - 155 Bridges
 - 50 Primary System
 - 105 Local System
 - Bridge Classification: A structure with a minimum span of 20' (Can be a combination of culverts)

2019 ROAD COMMISSION REVENUES

The Road Commission receives revenue through the Michigan Transportation Fund (MTF) from fuel tax and vehicle registrations. This revenue is primarily used to pay operating and maintenance costs of the roads in Allegan County including payroll, equipment, materials, utility cost, etc. The Road Commission's MTF revenue was \$15,234,134 (17th in State).

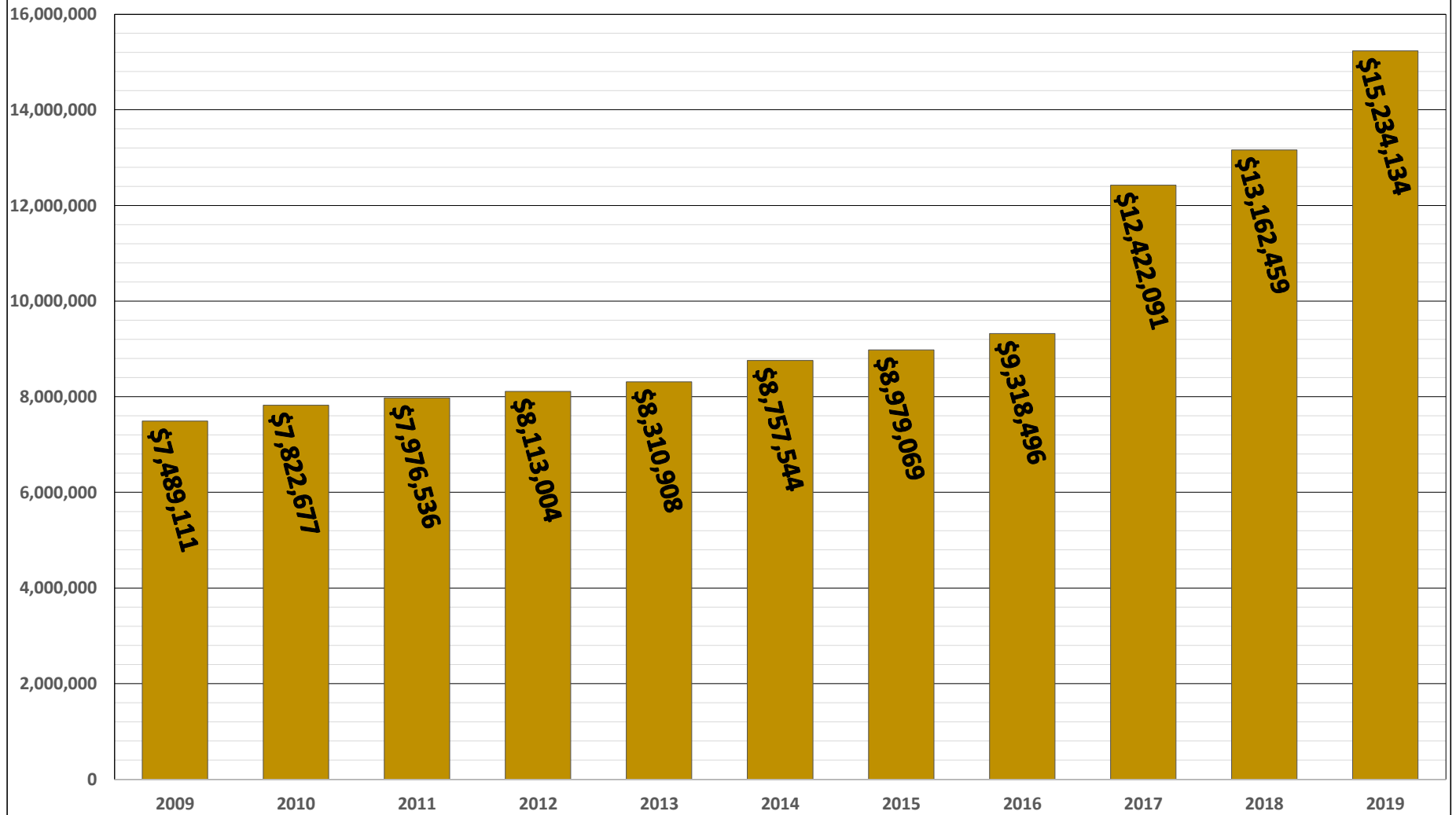
Federal and State funding acquired for roads and bridges totaled \$490,697.

Local Revenue:

The Primary Millage raised \$3,571,797 and township contributions added an additional \$9,562,684 for preventative maintenance and improvements to the local road system and activities like shoulder paving on the primary road system.

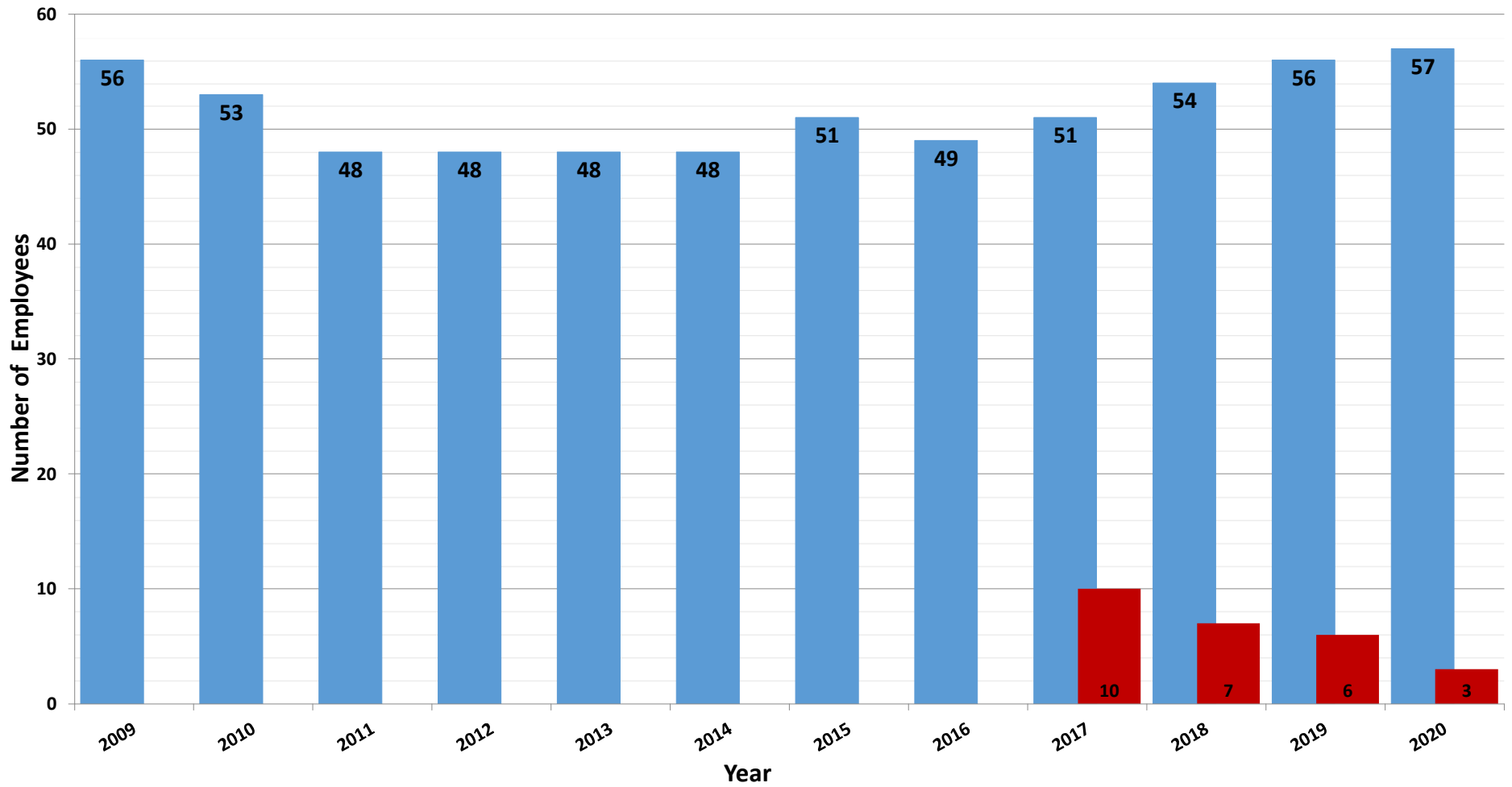
Locally raised revenues in Allegan County are consistently higher than most road commissions in the state.

Michigan Transportation Funds (MTF)

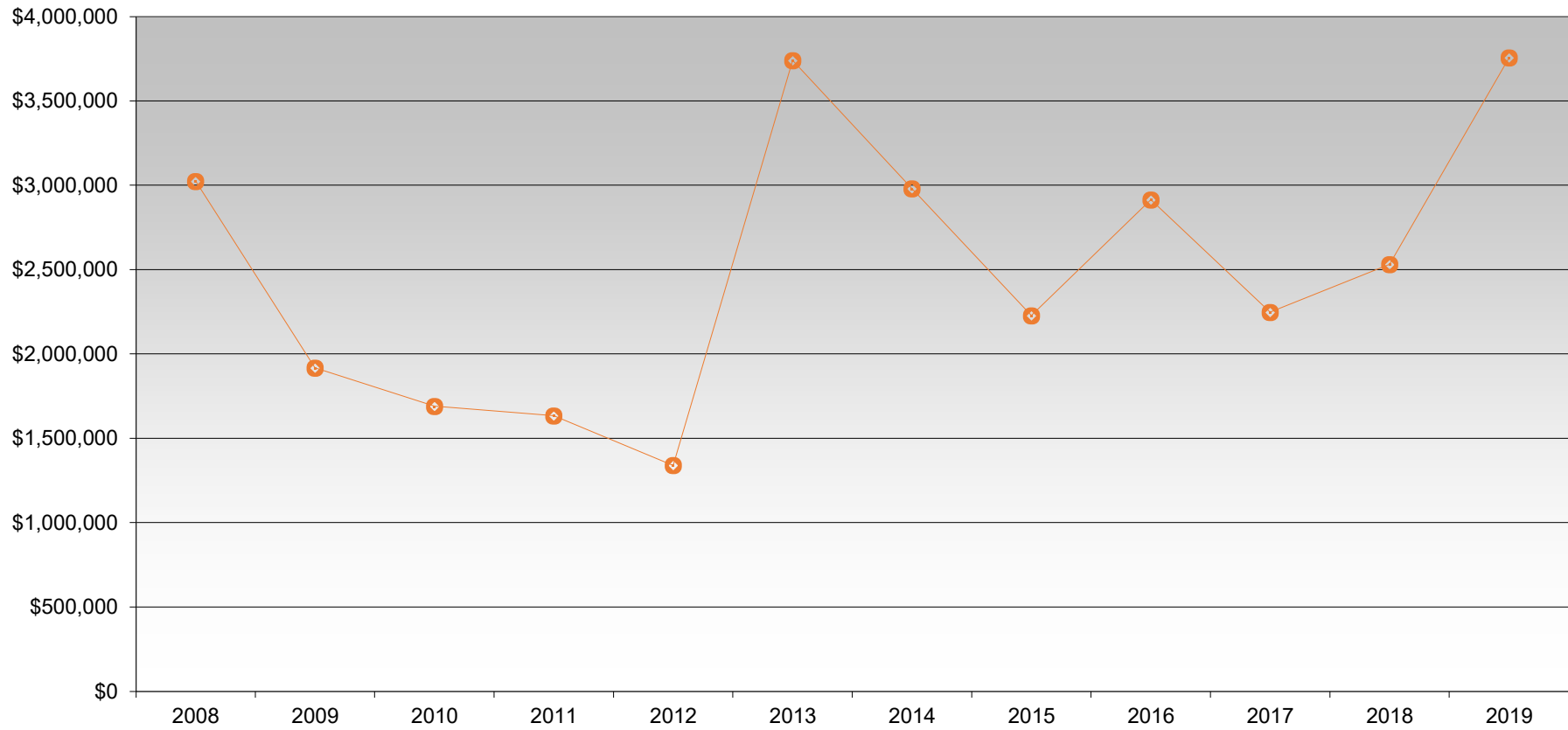


Allegan County Road Commission Number of Employees

■ Full Time ■ Part Time



WINTER MAINTENANCE COSTS

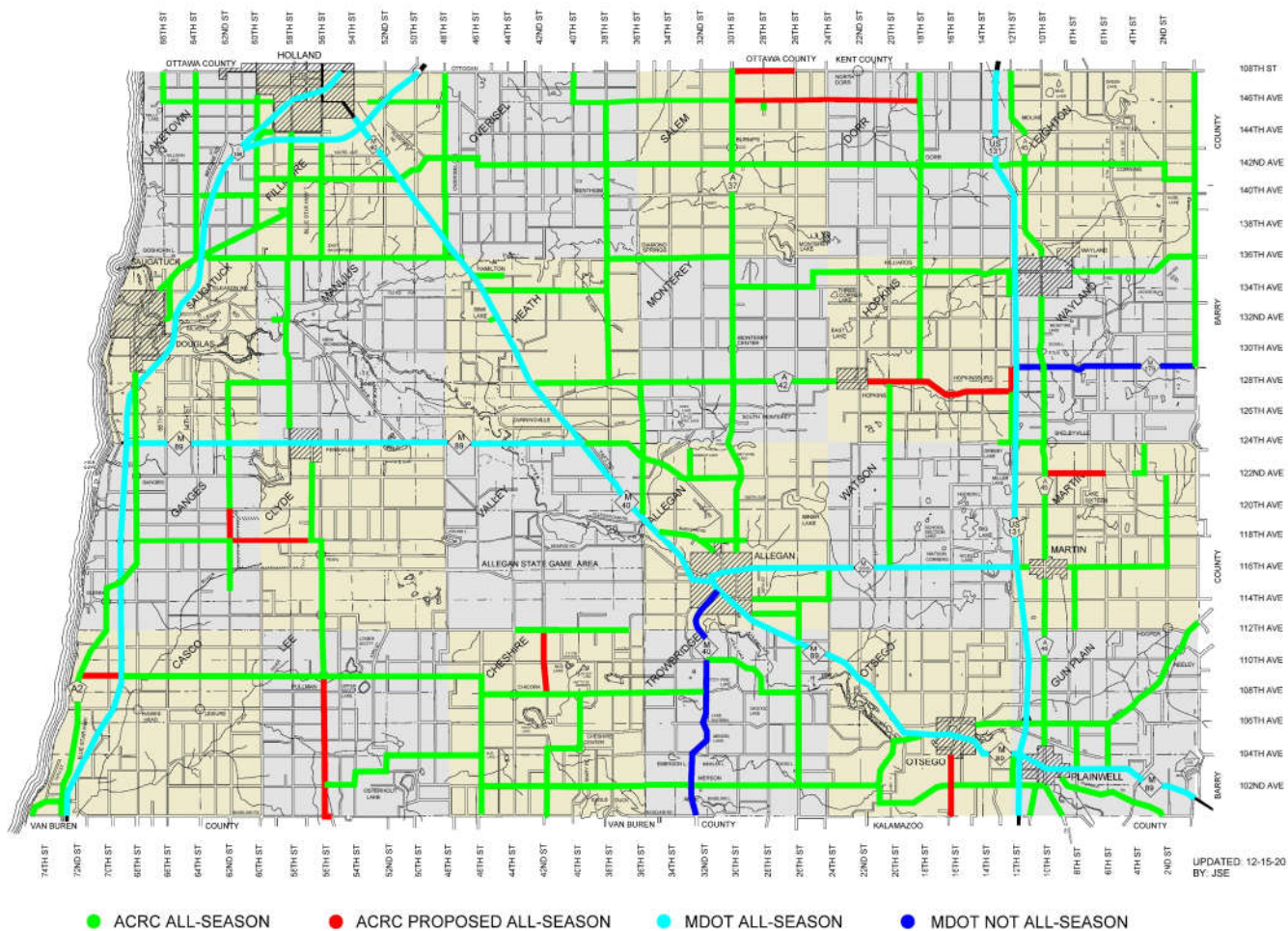


HOT MIX ASPHALT PRICES

YEAR	Local Roads			Primary Roads		
	(\$/ton)	Yearly Change	% Change	(\$/ton)	Yearly Change	% Change
2005	\$27.26			\$24.79		
2006	\$34.00	\$6.74	24.7%	\$33.27	\$8.48	34.2%
2007	\$39.38	\$5.38	15.8%	\$38.83	\$5.56	16.7%
2008	\$54.72	\$15.34	39.0%	\$48.50	\$9.67	24.9%
2009	\$46.91	-\$7.81	-14.3%	\$47.63	-\$0.87	-1.8%
2010	\$48.33	\$1.42	3.0%	\$49.92	\$2.29	4.8%
2011	\$44.14	-\$4.19	-8.7%	\$43.59	-\$6.33	-12.7%
2012	\$49.82	\$5.68	12.9%	\$50.49	\$6.90	15.8%
2013	\$53.22	\$3.40	6.8%	\$53.60	\$3.11	6.2%
2014	\$51.01	-\$2.21	-4.2%	\$52.48	-\$1.12	-2.1%
2015	\$52.28	\$1.27	2.5%	\$58.40	\$5.92	11.3%
2016	\$49.07	-\$3.21	-6.1%	\$52.36	-\$6.04	-10.3%
2017	\$48.34	-\$0.73	-1.5%	\$53.32	\$0.96	1.8%
2018	\$49.69	\$1.35	2.8%	\$50.81	-\$2.51	-4.7%
2019	\$60.87	\$11.18	22.5%	\$60.18	\$9.37	18.4%
2020	\$65.35	\$4.48	7.4%	\$60.64	\$0.46	0.8%
*2021	\$66.00	\$0.65	1.0%	\$61.00	\$0.36	0.6%

*Projected

ALL-SEASON ROUTES (CLASS A)



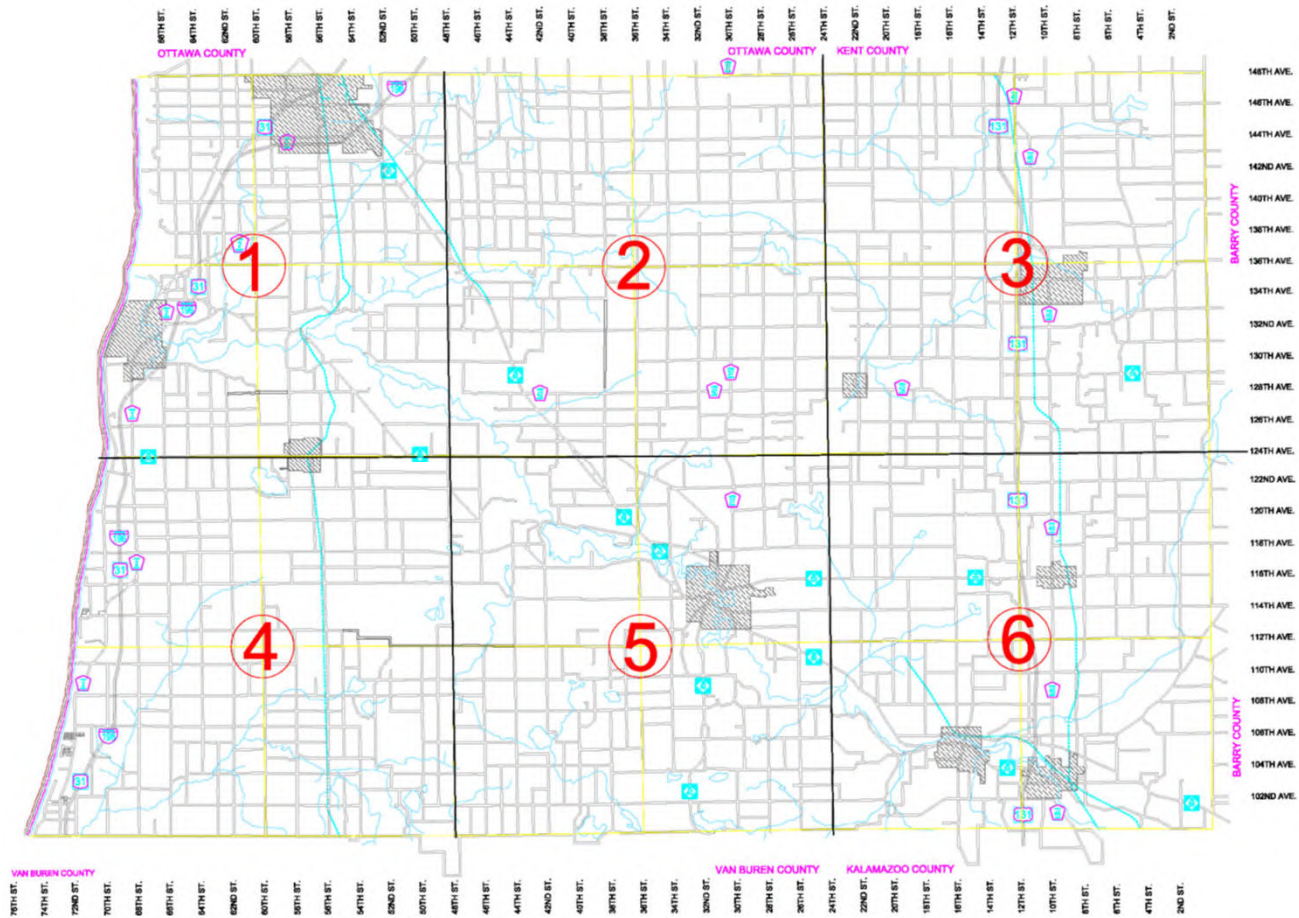
ALLEGAN COUNTY MILLAGE HISTORY

- 1968 a one mill tax was established for bridge & culvert replacement on county roads.
 - 1968-1982 there were 111 bridges and culverts replaced with the millage.
- 1982 the millage language changed from bridge and culvert replacement to primary road resurfacing.
- 2008 the millage language was revised again to include “preservation and preparation” along with resurfacing.
- 2021 is the 3rd year of the renewed 6 year millage.

FINANCIAL GUIDELINES

- **Millage Revenue:**
 - ~30% to Cities & Villages
 - ~70% to Road Commission
- **Road Commission's Revenue:**
 - Split equally between 6 areas
 - Each area contains 4 townships
 - Each area carries a balance from year to year
- **Township Contributions – Primary Roads:**
 - Shoulder Paving – (2" of asphalt) x (additional shoulder width) x (project length) x (contracted unit price)
 - Renovation Projects - \$35,000/mi
 - Work outside existing road shoulders (widening, clearing, ditching)
 - Reconstruction Projects - \$50,000/mi
 - Existing gravel road with full base/sub-base reconstruction
 - Crush, Shape, & Resurface or Mill & Resurface Projects within existing shoulders won't require contributions
- **Road Commission Responsibility:**
 - Develop plan/proposed projects
 - Present to townships
 - Oversee projects

6 PRIMARY MILLAGE AREAS



MILLAGE AREA MILEAGE

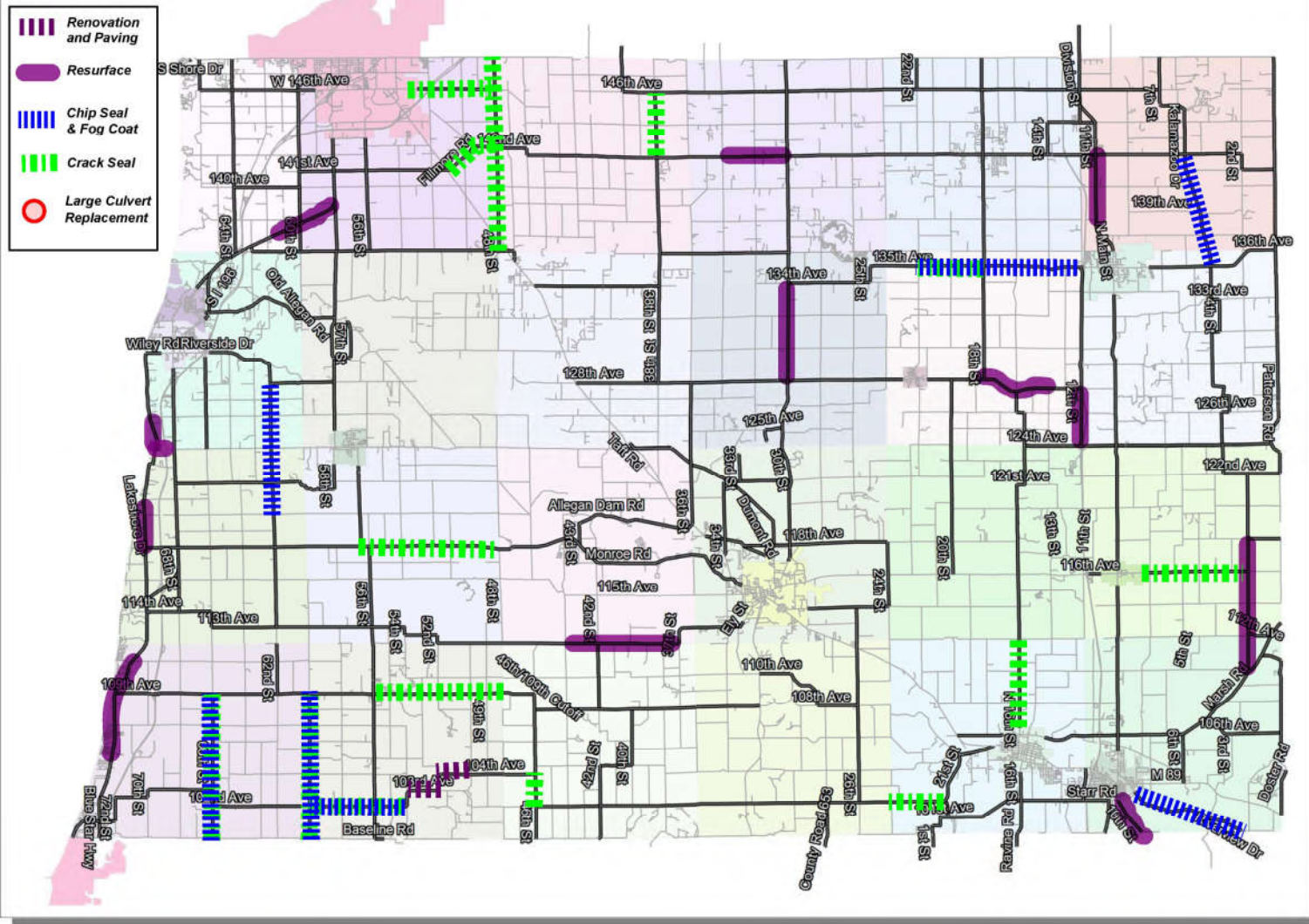
Area	Township	Primary (Miles)	Total (Miles)	% of Area	% of Total	Ranking (Miles)
1	Laketown	17.7	78.5	22.5%	15.1%	4th
	Fillmore	27.4		34.9%		
	Saugatuck	21.1		26.9%		
	Manlius	12.4		15.7%		
2	Overisel	18.2	71.0	25.6%	13.7%	6th
	Salem	19.6		27.6%		
	Heath	14.3		20.1%		
	Monterey	18.9		26.6%		
3	Dorr	22.0	97.1	22.7%	18.7%	2nd
	Leighton	24.7		25.5%		
	Hopkins	23.0		23.6%		
	Wayland	27.4		28.2%		
4	Ganges	33.3	104.1	32.0%	20.0%	1st
	Clyde	18.7		18.0%		
	Casco	29.9		28.7%		
	Lee	22.3		21.4%		
5	Valley	17.0	91.4	18.6%	17.6%	3rd
	Allegan	30.4		33.2%		
	Cheshire	26.5		29.0%		
	Trowbridge	17.6		19.3%		
6	Watson	14.1	77.9	18.0%	15.0%	5th
	Martin	21.9		28.1%		
	Otsego	18.5		23.7%		
	Gun Plain	23.5		30.2%		

PRIMARY ROAD MILLAGE PROJECT TOTALS

- From 1983-2020 the millage has raised \$77,640,363 which has funded:
 - 681.55 miles of paving (26.50 in 2020)
 - *Some roads have been resurfaced multiple times
 - 195.83 miles of chip seal & fog coat (23.81 in 2020)
 - 251.73 miles of crack sealing (43.04 in 2020)
 - 14 large culvert replacements
- * State/Federal Funds in 2020
 - \$1,908,517 in State and Federal funds were used on 2 primary resurfacing projects
 - Primary millage funds were used to locally match 1 State/Federal project
- * Michigan Transportation Funds (MTF) in 2020
 - ~\$1,500,000 to match 3 primary resurfacing projects
 - ~\$200,000 to replace 5 large culverts

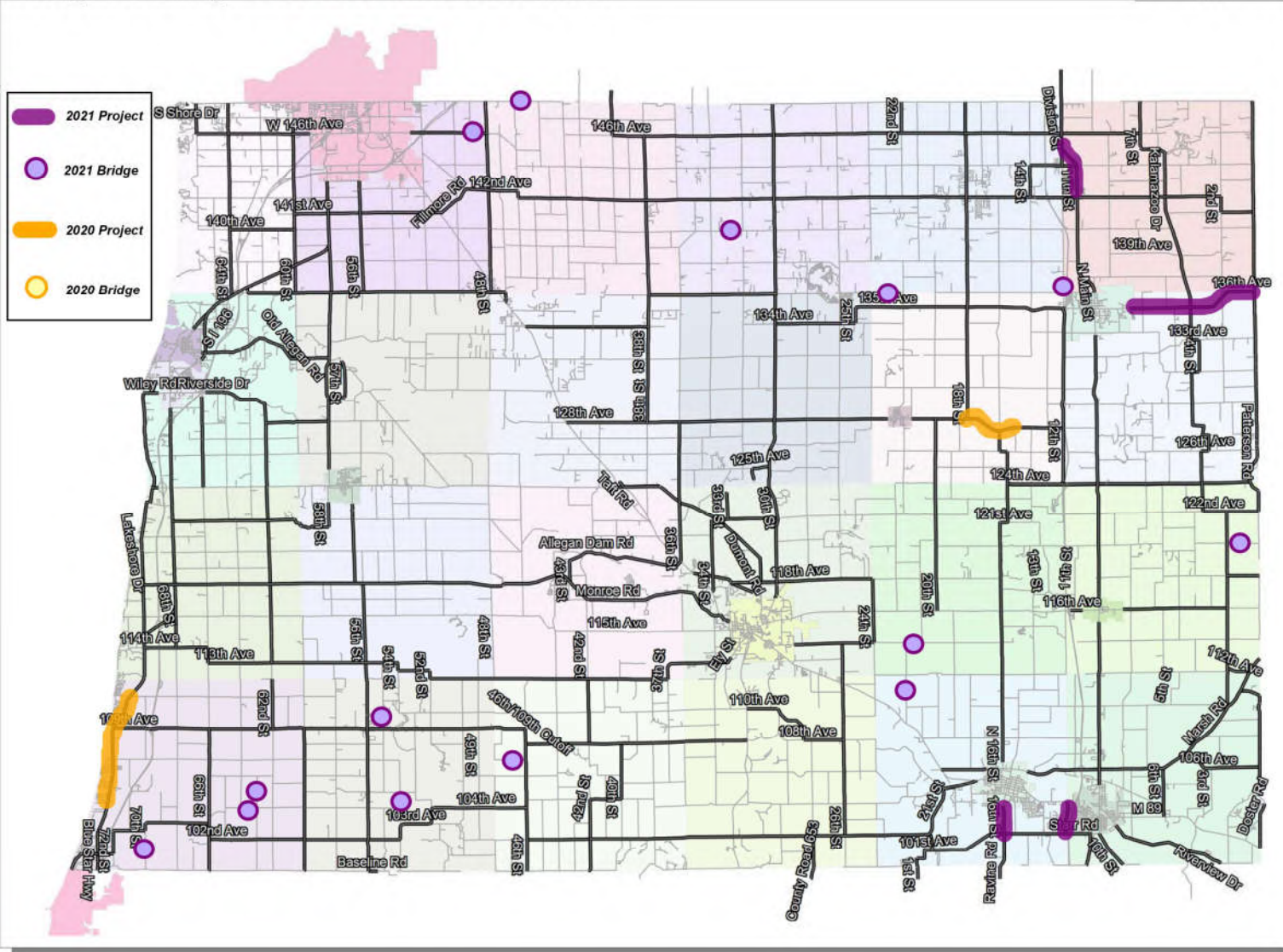
Allegan County Primary - 2020 Completed Projects

3.5 mi



Allegan County - Federal & State Aid Projects

3.5 mi



**PRIMARY ROAD RESURFACING MILLAGE FUND
2020 COMPLETED PROJECTS**

AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
1	Saugatuck	Lakeshore Dr, M-89 to 126th Ave & 124th Ave, Lakeshore Dr to I-196	Resurface, HMA 4E1 - 220 #/syd	1.34	\$211,208.64		\$211,208.64
	Laketown & Fillmore	Blue Star Hwy, 3,900' west of 60th St to 58th St	Crush, Shape, and Resurface, HMA 4E1 - 220 #/syd leveling & HMA 4E1 - 220 #/syd top	2.01	\$244,021.83	ACRC (MTF) \$400,000.00	\$644,021.83
	Saugatuck	62nd St, 124th Ave to 128th Ave	Chip Seal & Fog Coat	1.97	\$62,099.89		\$62,099.89
	Fillmore	Fillmore Rd/142nd Ave, M-40 to 48th St; 146th Ave, Holland City Limits to 48th St; 48th St, 136th Ave to Ottogan St (1/2)	Crack Seal	7.24	\$37,396.84		\$37,396.84
SUB-TOTAL AREA 1				12.56	\$554,727.19	\$400,000.00	\$954,727.19
2	Monterey	30th St, 128th Ave to 134th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	3.01	\$491,160.05		\$491,160.05
	Salem	142nd Ave, 34th St to 30th St	Mill and Resurface, HMA 4E1 - 220 #/syd	1.99	\$313,493.27		\$313,493.27
	Overisel	38th St, 142nd Ave to 146th Ave; 48th St, 136th Ave to Ottogan St (1/2)	Crack Seal	5.00	\$25,826.55		\$25,826.55
SUB-TOTAL AREA 2				10.00	\$830,479.87	\$0.00	\$830,479.87
3	Hopkins	128th Ave, 18th St to 14th St (Carried from 2019)	Mill and Resurface, HMA 4E1 - 275 #/syd	2.13	\$64,921.45	Federal - Safety \$584,292.97	\$649,214.42
	Leighton & Dorr	Division St, 138th Ave to 142nd Ave	Crush, Shape, and Resurface, HMA 4E1 - 220 #/syd leveling & HMA 4E1 - 220 #/syd top	2.00	\$239,393.34	ACRC (MTF) \$400,000.00	\$639,393.34
	Hopkins & Wayland	12th St, 124th Ave to 128th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	1.76	\$250,308.40	Hopkins (PS) \$21,142.67 Wayland (PS) \$21,142.67	\$292,593.74
	Leighton, Wayland & Hopkins	Kalamazoo Dr, 135th Ave to 142nd Ave; 135th Ave, 22nd St to US-131	Chip Seal & Fog Coat	8.66	\$273,339.19		\$273,339.19
	Hopkins	135th Ave, 22nd St to 18th St	Crack Seal	2.00	\$10,330.62		\$10,330.62
SUB-TOTAL AREA 3				16.55	\$838,293.00	\$1,026,578.31	\$1,864,871.31

**PRIMARY ROAD RESURFACING MILLAGE FUND
2020 COMPLETED PROJECTS**

AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
4	Ganges	Lakeshore Dr, 118th Ave to 121st Ave (Carried from 2019)	Resurface, HMA 4E1 - 275 #/syd	1.31	\$216,235.61	Ganges \$20,820.18	\$237,055.79
	Casco	Blue Star Hwy, 300' south of A St to 500' north of 111th Ave (Carried from 2019)	Crush, Shape, and Refurface, HMA 4E1 leveling course - 220 #/syd, HMA 4E1 top course - 220 #/syd	3.21		Federal State D \$1,059,379.60 \$264,844.90	\$1,324,224.50
	Lee	103rd Ave/52nd St/104th Ave, 54th St to 1,000' west of 50th St	Renovate, Crush, Shape, and Resurface, HMA 4E1 - 220 #/syd leveling & HMA 4E1 - 220 #/syd top	2.10	\$758,937.96	Lee (REN) \$70,000.00 ACRC (MTF) \$700,000.00	\$1,528,937.96
	Casco, Lee, & Ganges	66th St, Baseline Rd to 109th Ave; 102nd Ave, 60th St to 54th St; 62nd St, 120th Ave to 124th Ave	Chip Seal & Fog Coat	9.53	\$295,626.41		\$295,626.41
	Casco, Lee, & Clyde	66th St, Baseline Rd to 109th Ave; 60th St, Baseline Rd to 109th Ave; 118th Ave, 57th St to 48th St; 102nd Ave, 60th St to 54th St; 109th Ave, 56th St to 48th St	Crack Seal	20.17	\$104,184.29		\$104,184.29
SUB-TOTAL AREA 4				36.32	\$1,374,984.27	\$2,115,044.68	\$3,490,028.95
5	Cheshire & Valley	112th Ave, 44th St to 37th St	Resurface, HMA 4E1 - 275 #/syd, geogrid in peat areas	3.52	\$692,458.90	Cheshire (PS) \$40,888.32 Valley (PS) \$40,888.32	\$774,235.54
	Cheshire	46th St - 102nd Ave to 104th Ave (west)	Crack Seal	1.00	\$5,165.31		\$5,165.31
SUB-TOTAL AREA 5				4.52	\$697,624.21	\$81,776.64	\$779,400.85
6	Gun Plain	Douglas Ave (10th St), Baseline Rd to Starr Rd (Carried from 2019)	Crush, Shape, and Refurface, HMA 4E1 leveling course - 220 #/syd, HMA 4E1 top course - 220 #/syd	1.22	\$428,671.23		\$428,671.23
	Gun Plain & Martin	2nd St, Marsh Rd to 118th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	4.11	\$564,181.42	Gun Plain (PS) \$24,927.94 Martin (PS) \$44,915.20	\$634,024.56
	Gun Plain	Riverview Dr, Baseline Rd to City of Plainwell	Chip Seal & Fog Coat	3.65	\$119,843.89		\$119,843.89
	Otsego & Martin	102nd Ave, 24th St to 21st St; 16th St, Otsego City Limits to 112th Ave; 116th Ave, Village of Martin to 2nd St	Crack Seal	7.63	\$39,411.31		\$39,411.31
SUB-TOTAL AREA 6				16.61	\$1,152,107.85	\$69,843.14	\$1,221,950.99
GRAND TOTAL				96.56	\$5,448,216.38	\$3,693,242.77	\$9,141,459.15

2021 Planning and Proposed Projects

- Current Pavement Conditions:
 - Pavement Surface Evaluation & Ratings (PASER)
- Road History:
 - When & how was the road constructed & paved
 - Last resurfacing or preventative maintenance
- Other Considerations:
 - Cause of Pavement Distresses (traffic loads, poor soils, poor drainage, age, etc.)
 - Traffic Volumes (Commercial Volumes)
 - All-Season Routes
 - Maintenance Costs
 - Project Costs
 - Safety

PASER RATING GUIDLINES

- Good Ratings: 8, 9, & 10
 - No maintenance required
- Fair Ratings: 5, 6, & 7
 - 7 - Crack Seal
 - 5 or 6 - Chipseal and Fog Coat
- Poor Ratings: 1, 2, 3, & 4
 - Time to Resurface
 - Milling, Crush & Shape, or Reconstruction extends pavement life
- Rating resets when treatment is completed
 - Reconstruction: 10
 - Resurface: 9
 - Chip Seal: 8
 - Crack Seal: Does not reset rating but extends pavement life

Asphalt PASER

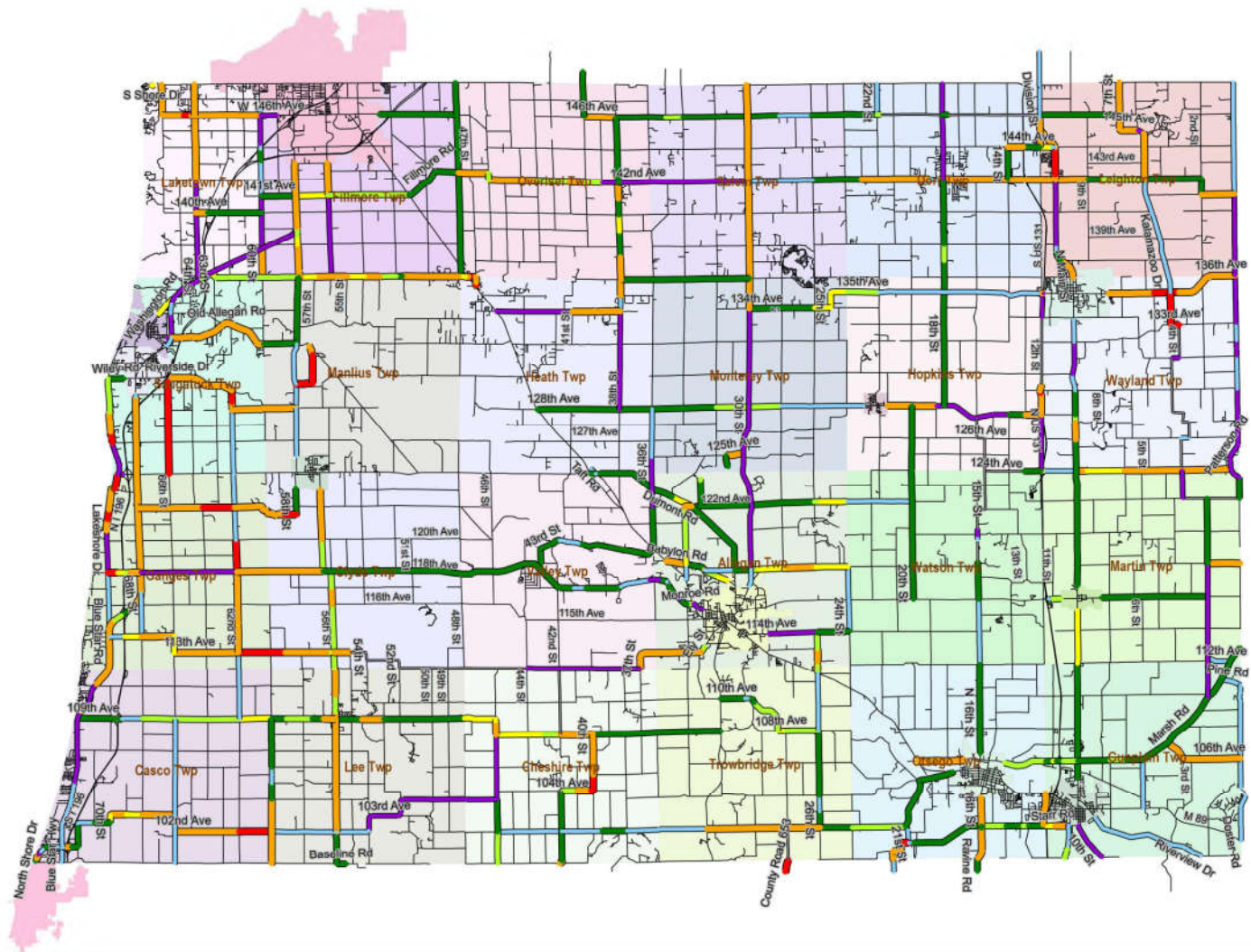
Modified for Michigan TAMC Data Collection

◆ Denotes Priority Distress

	Asphalt 10	Asphalt 9	Asphalt 8
Good	New construction No defects Less than 1 year old Only a "10" for 1 year <u>Recent base improvement</u> <i>No action required</i>	Like new condition No defects More than 1 year old <u>Recent overlay with or without a crush and shape</u> <i>No action required</i>	◆ Occasional transverse crack >40' apart ◆ Crack width tight (hairline) or sealed Few if any longitudinal cracks on joints <u>Recent seal coat or slurry seal (*see below)</u> <i>Little or no maintenance required</i>
	Asphalt 7	Asphalt 6	Asphalt 5
Fair	◆ Trans. cracks 10'-40' apart ◆ Cracks open < ¼" Little or no crack erosion Little or no raveling Few if any patches in good condition <u>First signs of wear</u> <i>Suggested Action</i> <i>Maintain with crack seal</i>	◆ Trans. cracks less than 10' apart ◆ Initial block cracking (6'-10' blocks) ◆ Cracks open ¼" – ½" Blocks are large and stable Slight to moderate polishing or flushing No patches or few in good condition Slight raveling <u>Sound structural condition</u> <i>Suggested Action</i> <i>Maintain with sealcoat</i>	◆ Secondary cracks (crack raveling) ◆ Moderate block cracking (1' – 5' blocks) ◆ First sign of longitudinal cracks at edge ◆ Cracks open >½" Patching/wedging in good condition Moderate raveling Extensive to severe flushing & polishing <u>Sound structural condition</u> <i>Suggested Action</i> <i>Maintain with sealcoat or thin overlay</i>
	Asphalt 4	Asphalt 3	Asphalt 2
Poor	◆ Longitudinal cracking in the wheel paths ◆ Rutting ½" - 1" deep ◆ Severe block cracking: <1' blocks Severe surface raveling Multiple longitudinal & transverse cracks with slight crack erosion Patching in fair condition <u>First signs of structural weakening</u> <i>Suggested Action</i> <i>Structural overlay >2"</i>	◆ < 25% alligator cracking (first signs) ◆ Moderate rutting 1" - 2" deep ◆ Severe block cracking (Alligator) Longitudinal & transverse cracks showing extensive crack erosion Occasional potholes Patches in fair/poor condition <i>Suggested Action</i> <i>Structural overlay >2"</i> <i>Patching & repair prior to a major overlay</i> <i>Milling would extend overlay life</i>	◆ > 25% alligator cracking ◆ Severe rutting or distortion >2" Closely spaced cracks with erosion Frequent potholes Extensive patches in poor condition <i>Suggested Action</i> <i>Reconstruction with base repair</i> <i>Crush and shape possible</i>
			Asphalt 1 Loss of surface integrity Extensive surface distress <i>Suggested Action</i> <i>Reconstruction with base repair</i>

2020 PASER Map - County Primary Roads

2.5 mi



- PASER Ratings
- 1: Failed
 - 2: Very Poor
 - 3: Poor
 - 4: Fair
 - 5: Fair
 - 6: Good
 - 7: Good
 - 8: Very Good
 - 9: Excellent
 - 10: Excellent

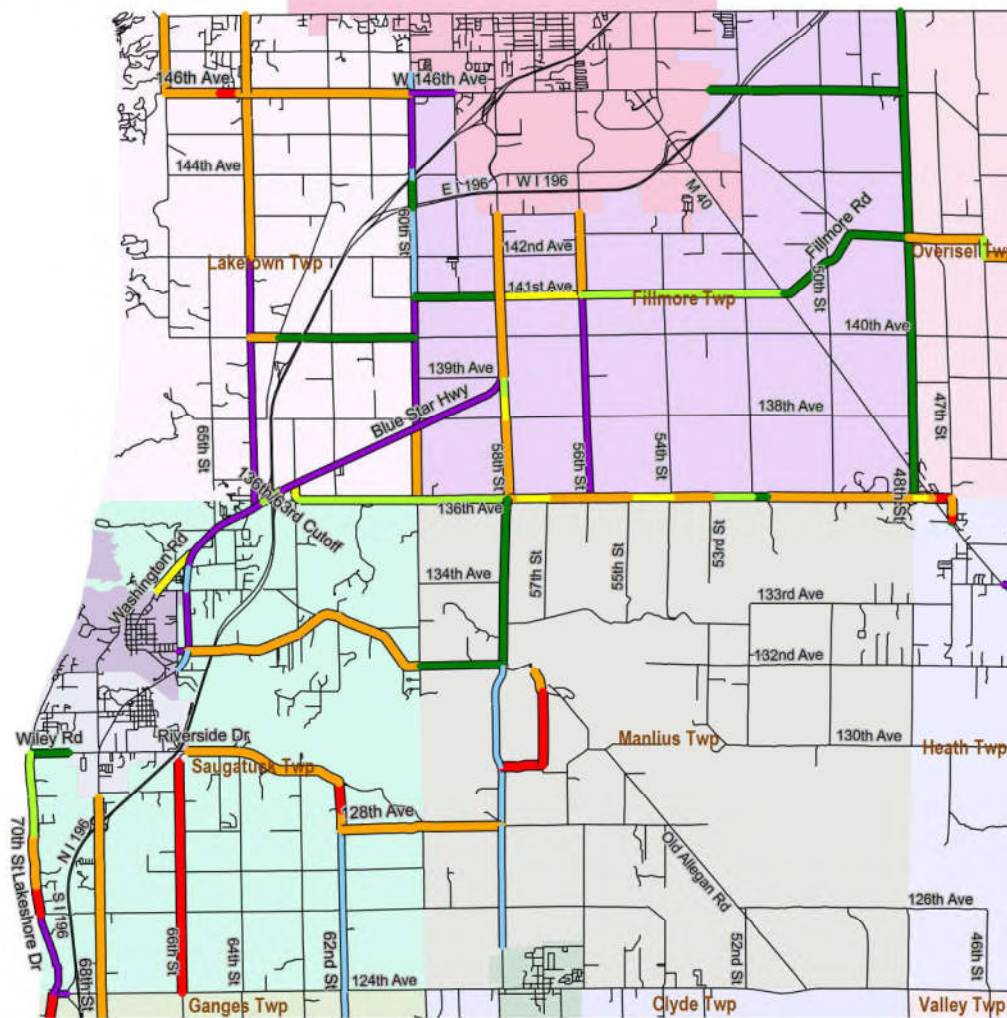
MILLAGE AREA PASER RATINGS

Area	Township	Primary (Miles)	Total (Miles)	% of Area	% of Total	Ranking (Miles)	Average PASER	Average Area PASER	Ranking (PASER)
1	Laketown	17.7	78.5	22.5%	15.1%	4th	5.9	5.88	5th
	Fillmore	27.4		34.9%			6.4		
	Saugatuck	21.1		26.9%			5.0		
	Manlius	12.4		15.7%			6.2		
2	Overisel	18.2	71.0	25.6%	13.7%	6th	6.1	6.74	2nd
	Salem	19.6		27.6%			6.5		
	Heath	14.3		20.1%			7.3		
	Monterey	18.9		26.6%			7.2		
3	Dorr	22.0	97.1	22.7%	18.7%	2nd	6.4	6.73	3rd (tie)
	Leighton	24.7		25.5%			6.3		
	Hopkins	23.0		23.6%			7.3		
	Wayland	27.4		28.2%			6.9		
4	Ganges	33.3	104.1	32.0%	20.0%	1st	5.1	5.83	6th
	Clyde	18.7		18.0%			5.2		
	Casco	29.9		28.7%			6.7		
	Lee	22.3		21.4%			6.3		
5	Valley	17.0	91.4	18.6%	17.6%	3rd	7.0	6.78	1st
	Allegan	30.4		33.2%			6.8		
	Cheshire	26.5		29.0%			6.9		
	Trowbridge	17.6		19.3%			6.4		
6	Watson	14.1	77.9	18.0%	15.0%	5th	7.5	6.73	3rd (tie)
	Martin	21.9		28.1%			6.6		
	Otsego	18.5		23.7%			5.8		
	Gun Plain	23.5		30.2%			7.0		

Overall = 6.43

2020 PASER Map - Area 1

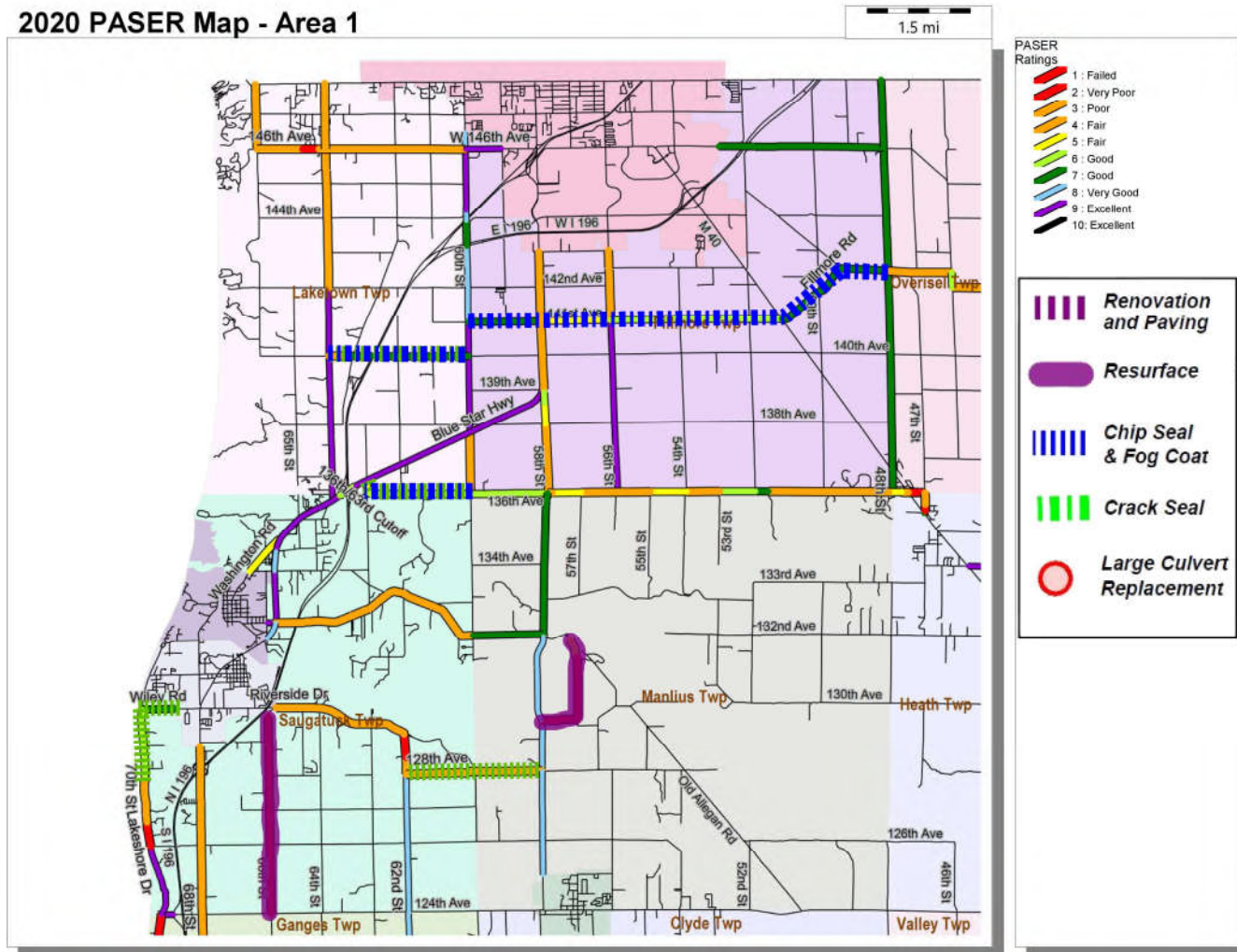
1.5 mi



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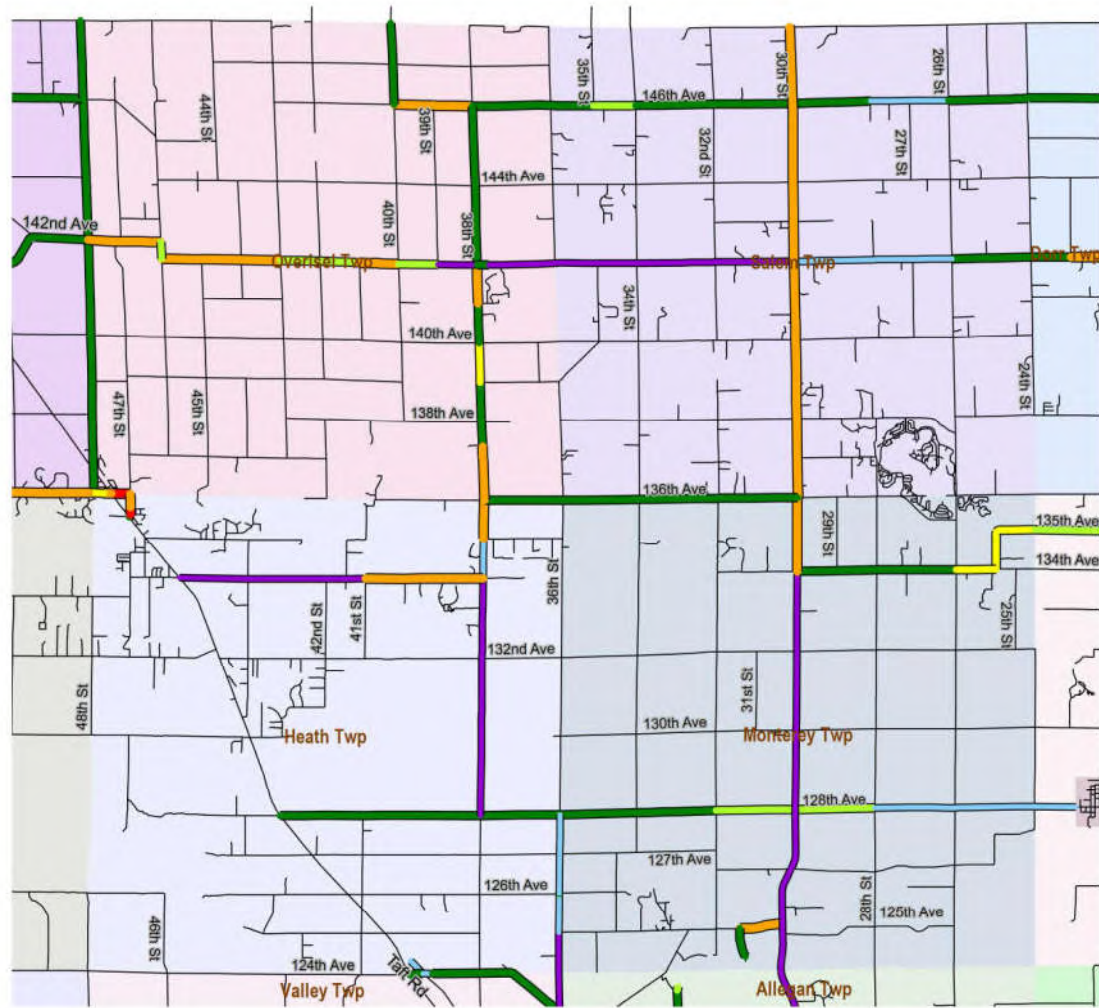
2021 PROPOSED PROJECTS – AREA 1

2020 PASER Map - Area 1



2020 PASER Map - Area 2

1.5 mi

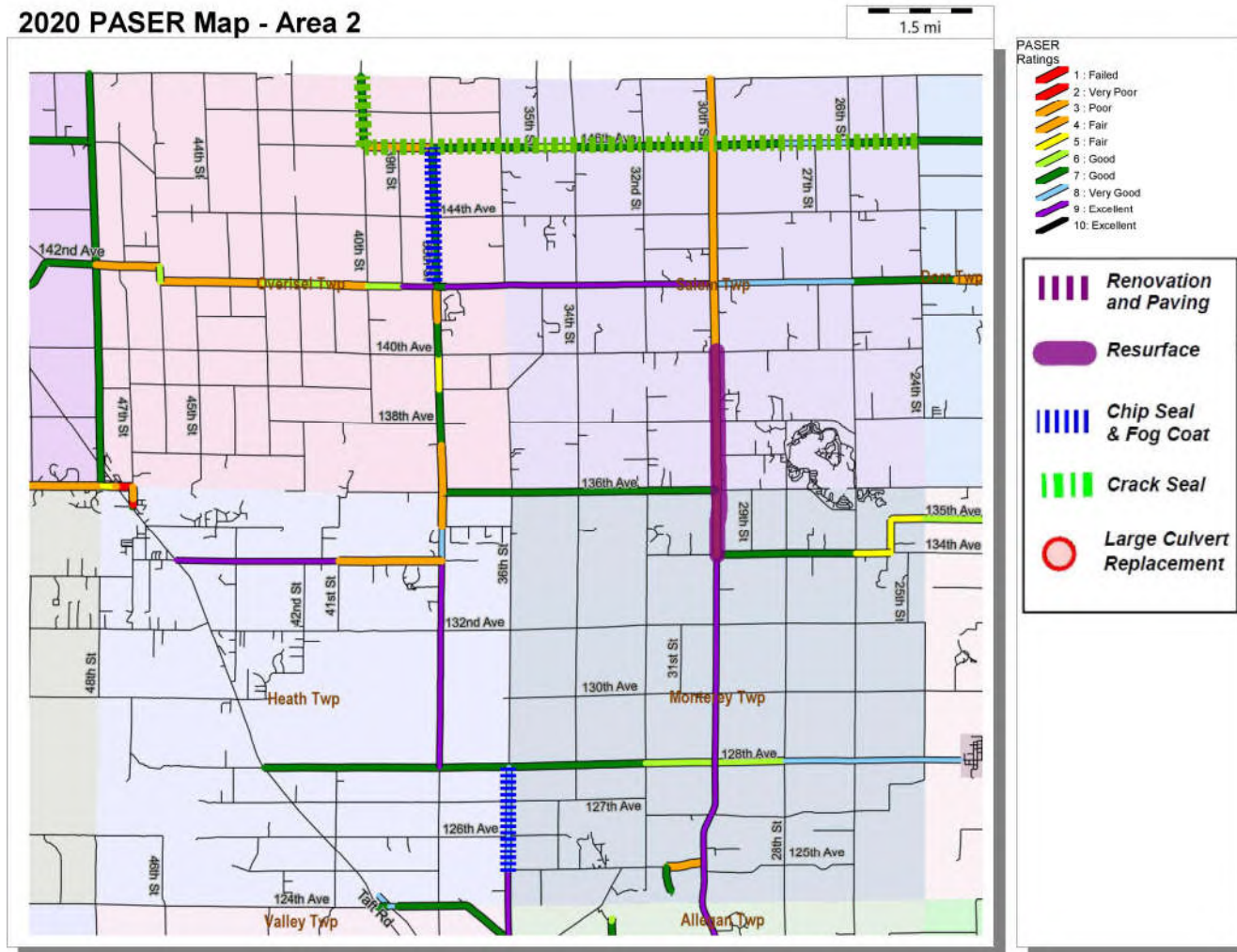


PASER Ratings

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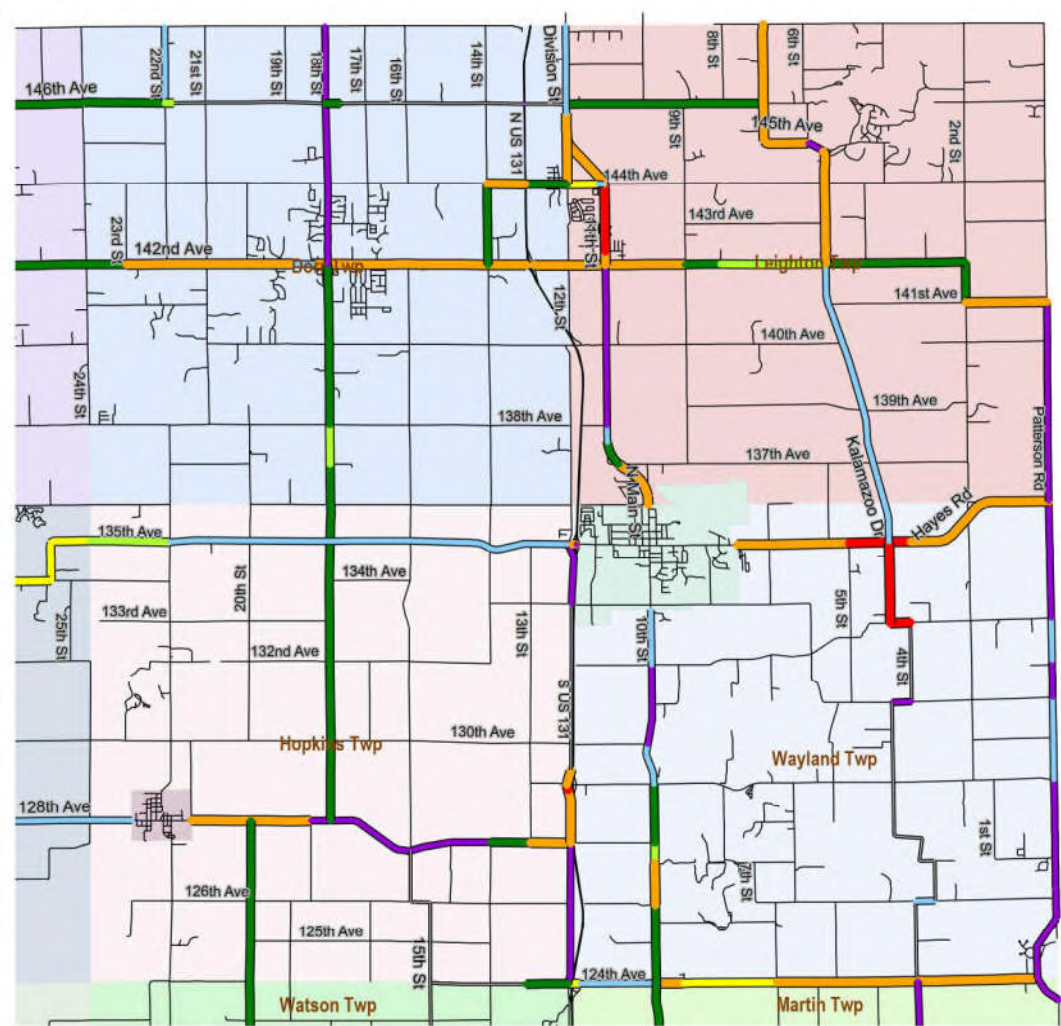
2021 PROPOSED PROJECTS – AREA 2

2020 PASER Map - Area 2



2020 PASER Map - Area 3

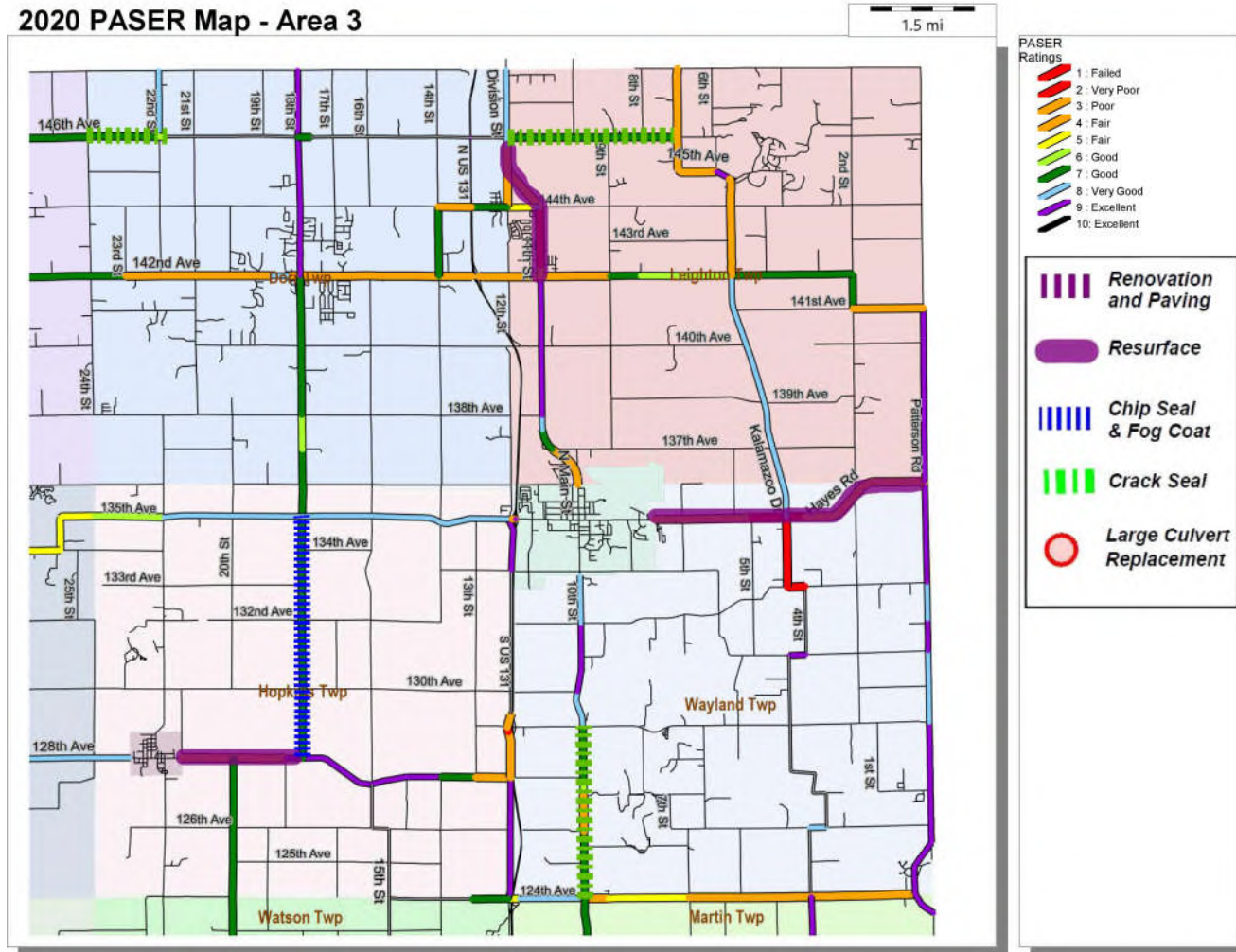
1.5 mi



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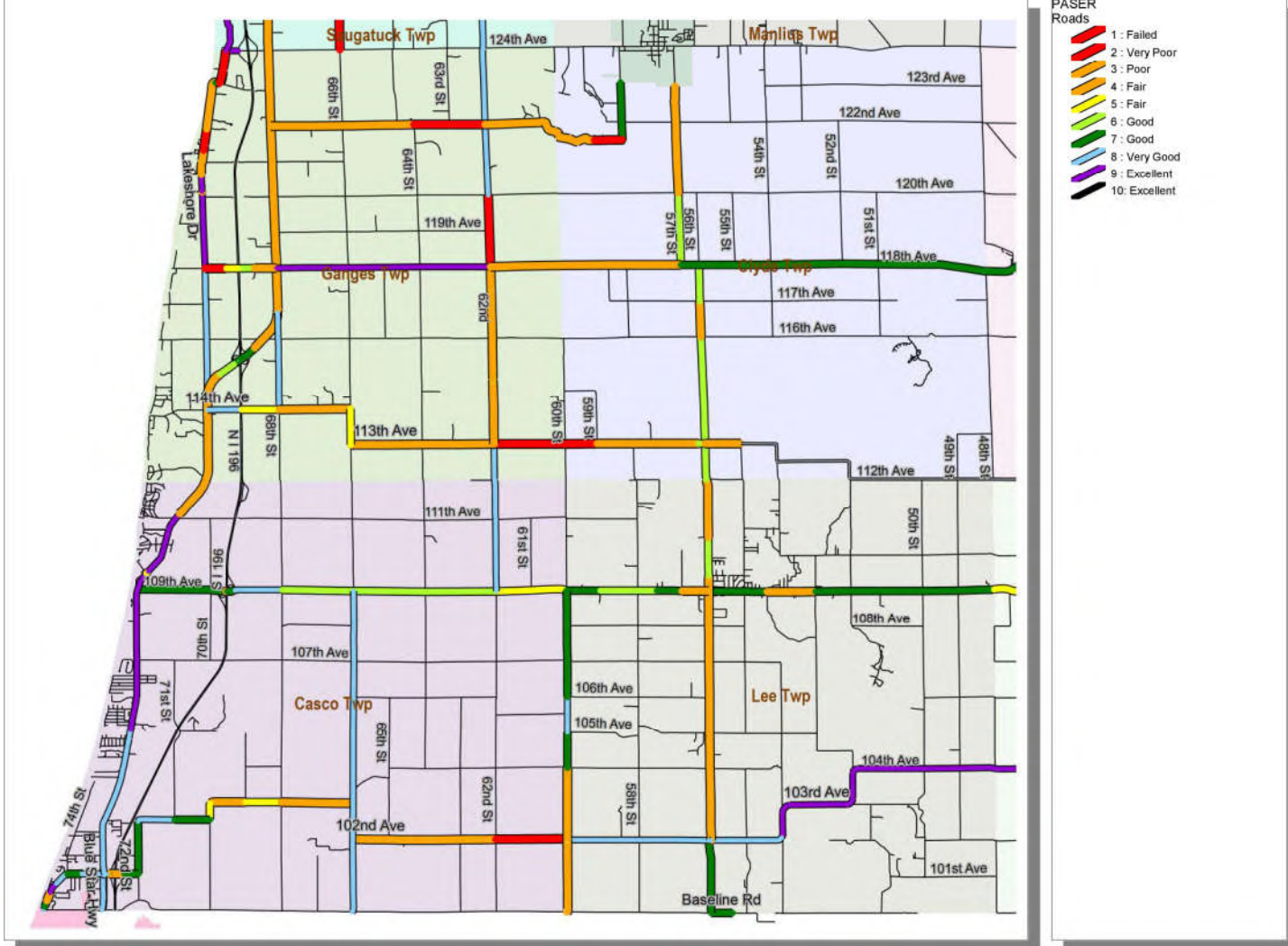
2021 PROPOSED PROJECTS – AREA 3

2020 PASER Map - Area 3



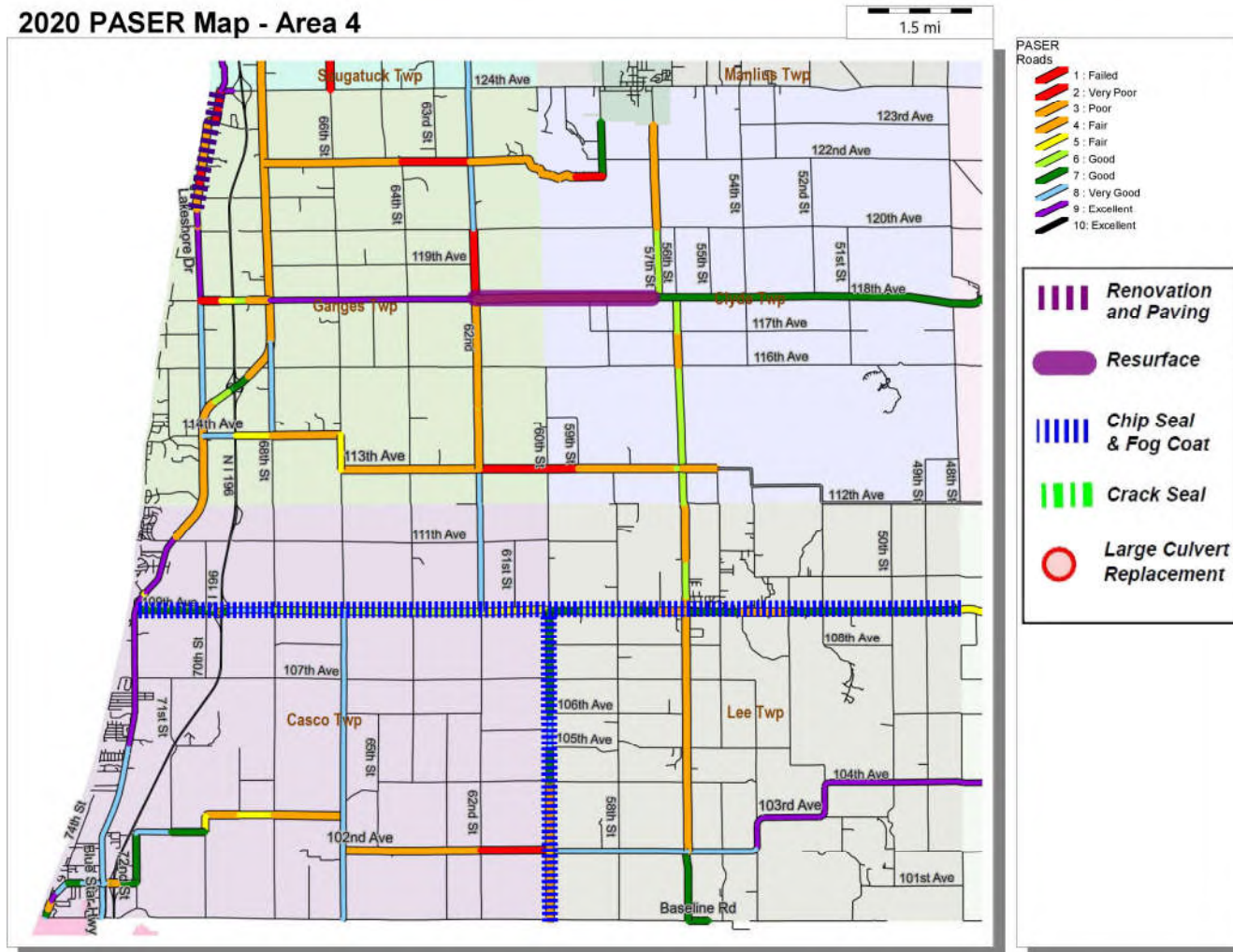
2020 PASER Map - Area 4

1.5 mi



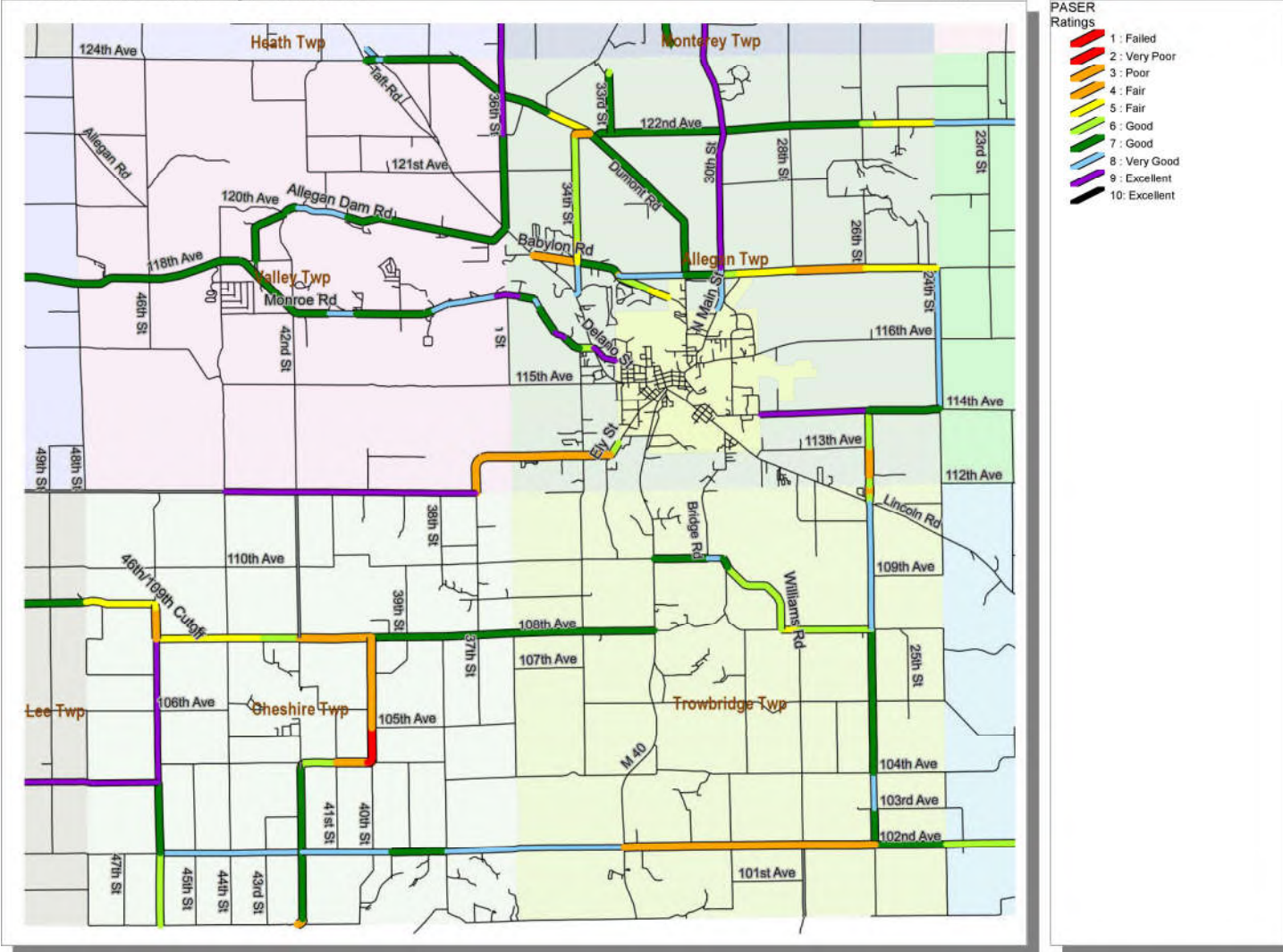
2021 PROPOSED PROJECTS – AREA 4

2020 PASER Map - Area 4



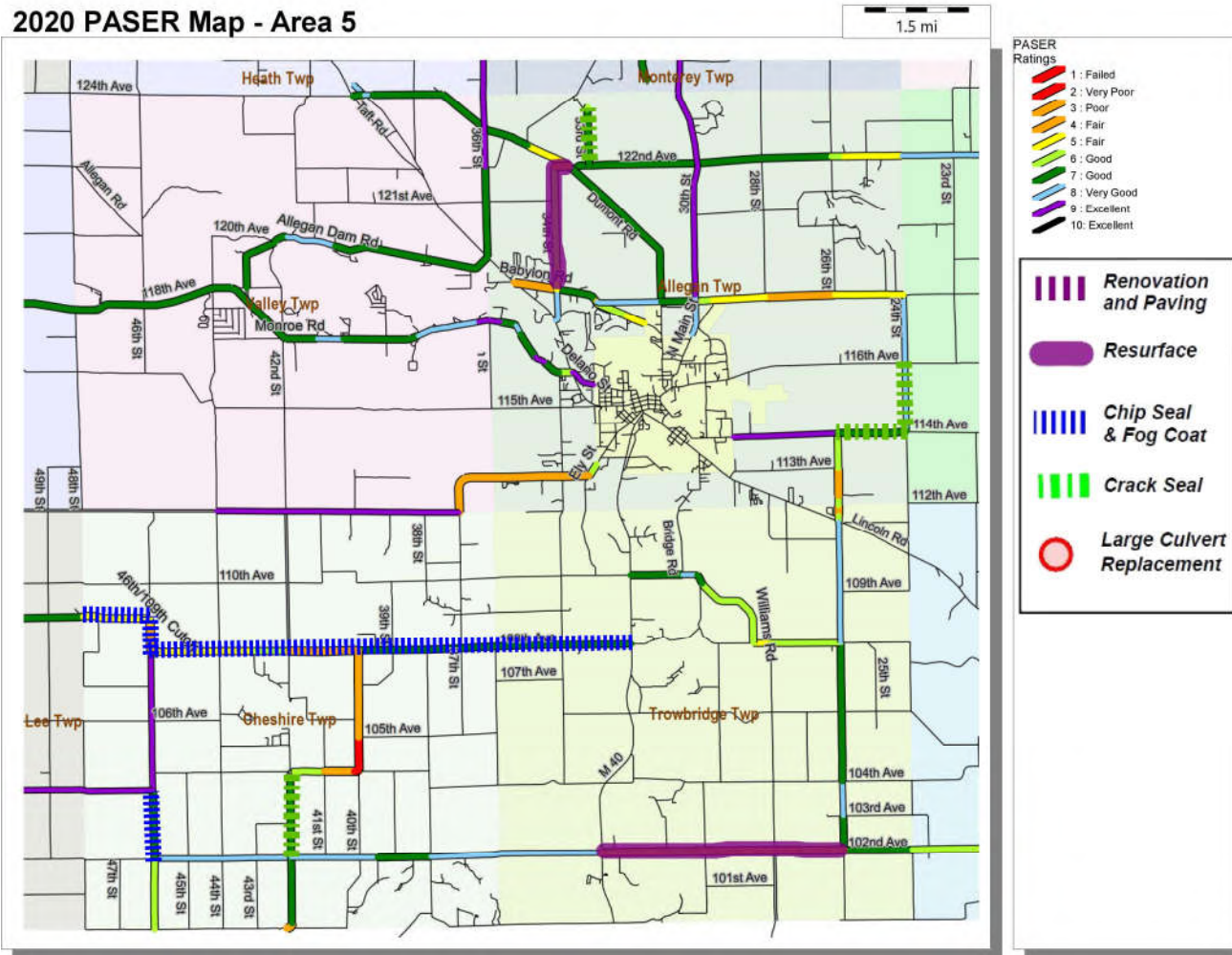
2020 PASER Map - Area 5

1.5 mi



2021 PROPOSED PROJECTS – AREA 5

2020 PASER Map - Area 5

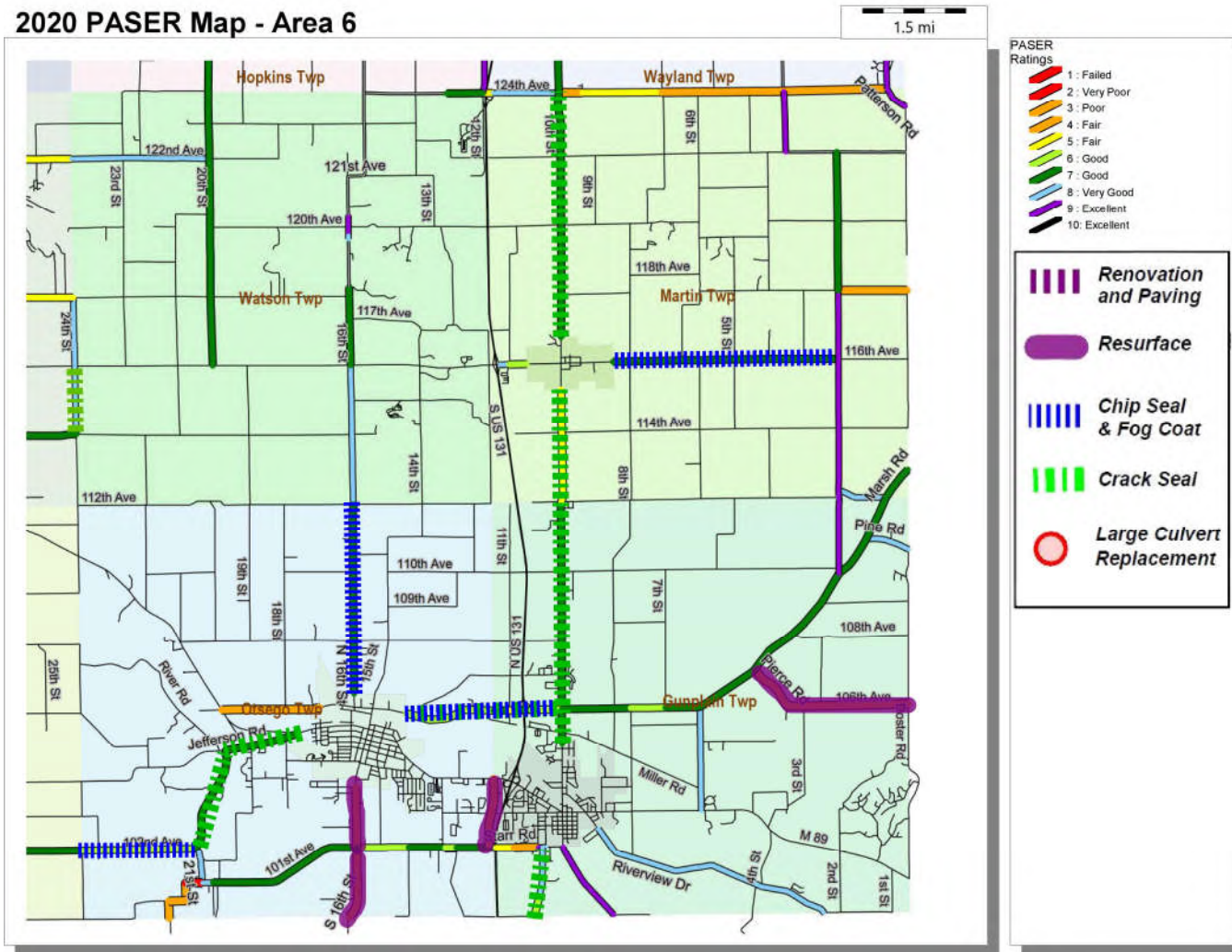


A scale bar consisting of three alternating black and white segments, with the text "1.5 mi" centered below it.

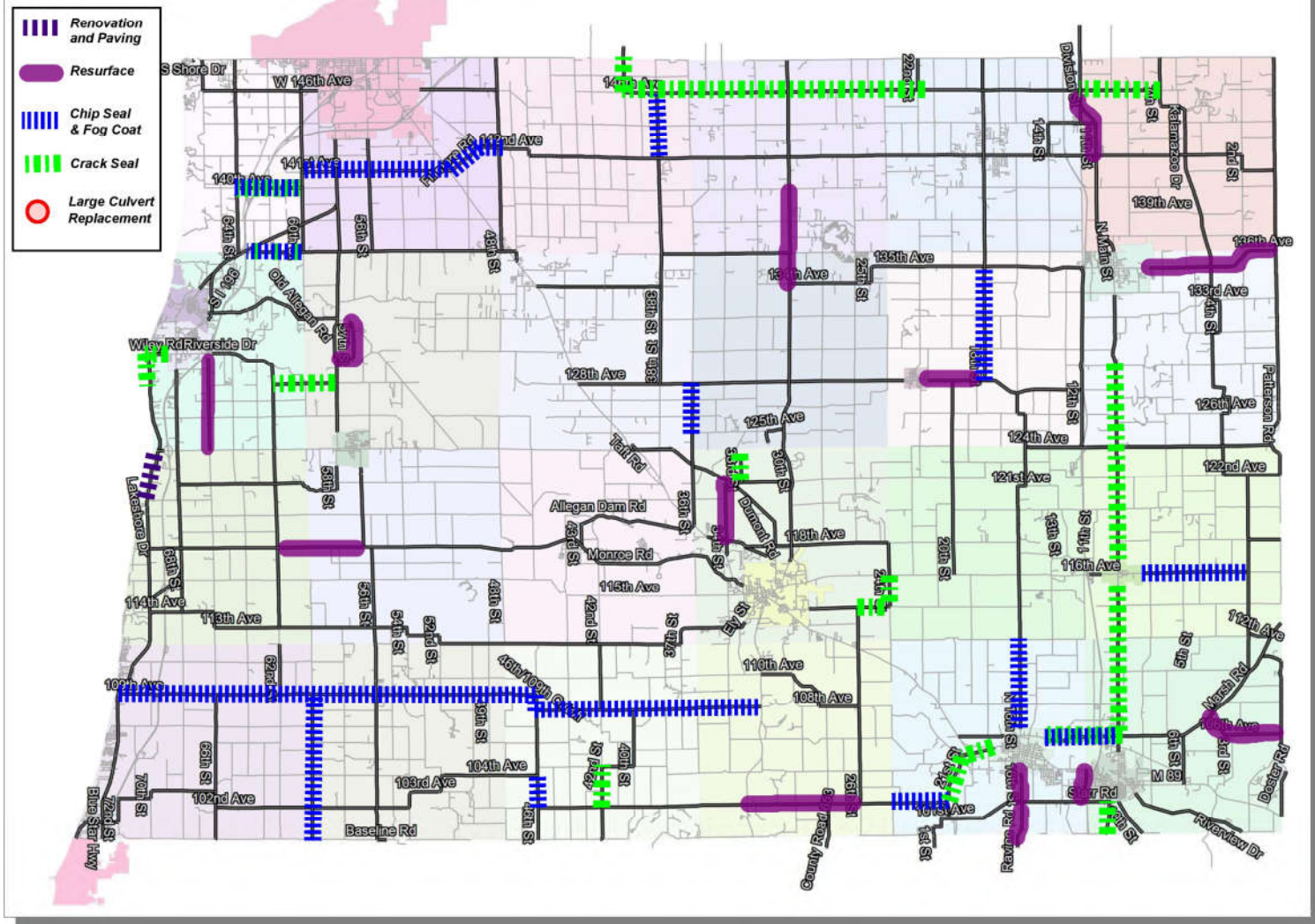


2021 PROPOSED PROJECTS – AREA 6

2020 PASER Map - Area 6



3.5 mi



PRIMARY ROAD RESURFACING MILLAGE FUND 2021 PROPOSED PROJECTS							
AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
1	Saugatuck	66th St, M-89 to Village of Douglas	Resurface, HMA 4E1 - 275 #/syd	2.84	\$400,000.00	Saugatuck (PS) \$100,000.00	\$500,000.00
	Manlius	130th Ave & 57th St, 58th St to New Richmond Bridge	Resurface, HMA 4E1 - 220 #/syd	1.71	\$215,000.00	Manlius (PS) \$60,000.00	\$275,000.00
	Fillmore, Laketown, & Saugatuck	141st Ave/Fillmore Rd/142nd Ave, 60th St to 48th St; 140th Ave, 64th St to 60th St; 63rd St & 136th Ave, Blue Star Hwy to 60th St	Chipseal and Fog Coat	10.07		ACRC (MTF) \$310,000.00	\$310,000.00
	Laketown, Manlius, & Saugatuck	140th Ave, 64th St to 60th St; 63rd St & 136th Ave, Blue Star Hwy to 60th St; 128th Ave, 62nd St to 58th St; Lakeshore Dr, 130th Ave south to end; 130th Ave (Wiley Rd), Lakeshore Dr to Village of Douglas	Crack Seal	7.13	\$45,000.00		\$45,000.00
SUB-TOTAL AREA 1				21.75	\$660,000.00	\$470,000.00	\$1,130,000.00
2	Monterey & Salem	30th St, 134th Ave to 140th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	2.94	\$500,000.00		\$500,000.00
	Heath, Monterey, & Overisel	36th St, 125th Ave to 128th Ave; 38th St, 142nd Ave to 146th Ave	Chipseal and Fog Coat	3.50	\$110,000.00		\$110,000.00
	Overisel & Salem	40th St, 146th Ave to Co. Line; 146th Ave, 40th St to 24th St	Crack Seal	9.03	\$55,000.00		\$55,000.00
SUB-TOTAL AREA 2				15.47	\$665,000.00	\$0.00	\$665,000.00
3	Hopkins	128th Ave, Village of Hopkins to 18th St	Mill and Resurface, HMA 4E1 - 275 #/syd	1.74	\$160,000.00	ACRC (MTF) \$165,000.00	\$325,000.00
	Leighton	Division St, 142nd Ave to 1,000' south of 146th Ave	Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	2.02	\$65,516.00	Federal State D \$600,000.00 \$150,000.00	\$815,516.00
	Wayland	135th Ave, Hayes Rd, & 136th Ave, City of Wayland to Patterson Rd	Resurface, HMA 4E1 - 220 #/syd	4.09	\$85,133.00	Federal State D \$557,560.00 \$141,147.00	\$783,840.00
	Hopkins	18th St, 128th Ave to 135th Ave	Chipseal and Fog Coat	3.52	\$110,000.00		\$110,000.00
	Dorr, Leighton, & Wayland	146th Ave, 24th St east to end of asphalt; 146th Ave, Division St to 7th St; 10th St, 124th Ave to 129th Ave	Crack Seal	6.14	\$40,000.00		\$40,000.00
SUB-TOTAL AREA 3				17.51	\$460,649.00	\$1,613,707.00	\$2,074,356.00

PRIMARY ROAD RESURFACING MILLAGE FUND 2021 PROPOSED PROJECTS							
AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
4	Ganges	Lakeshore Drive, 121st Ave to 124th Ave	Renovate, Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	1.85	\$645,000.00	Ganges (REN) \$65,000.00 Ganges (PS) \$50,000.00	\$760,000.00
	Ganges & Clyde	118th Ave, 62nd St to 57th St	Mill and Resurface, HMA 4E1 - 220 #/syd	2.65		ACRC (MTF) \$450,000.00	\$450,000.00
	Casco & Lee	109th Ave, Blue Star Hwy to 48th St; 60th St, Baseline Rd to 109th Ave	Chipseal and Fog Coat	16.03		ACRC (MTF) \$480,000.00	\$480,000.00
SUB-TOTAL AREA 4				20.53	\$645,000.00	\$1,045,000.00	\$1,690,000.00
5	Trowbridge	102nd Ave, M-40 to 26th St	Resurface, HMA 4E1 - 220 #/syd	3.49		ACRC (MTF) \$560,000.00	\$560,000.00
	Allegan	34th St, Babylon Rd to Dumont Rd	Resurface, HMA 4E1 - 220 #/syd	1.98	\$290,000.00	Allegan (PS ~1 mi) \$35,000.00	\$325,000.00
	Cheshire & Trowbridge	46th St, 102nd Ave to 104th Ave (west); 109th Ave, 48th St to 46th St; 46th St, 108th Ave to 109th Ave; 108th Ave, 46th St to M-40	Chipseal and Fog Coat	9.58	\$290,000.00		\$290,000.00
	Allegan & Cheshire	33rd St, 122nd Ave to north to end; 114th Ave, 26th St to 24th St; 42nd St, 102nd Ave to 104th Ave; 24th St, 114th Ave to M-222 (1/2)	Crack Seal	4.55	\$25,000.00		\$25,000.00
SUB-TOTAL AREA 5				19.60	\$605,000.00	\$595,000.00	\$1,200,000.00
6	Gun Plain	Pierce Rd & 106th Ave, Marsh Rd to Doster Rd	Resurface, HMA 4E1 - 220 #/syd	2.47	\$385,000.00	Gun Plain (PS) \$65,000.00	\$450,000.00
	Otsego	16th St, 102nd Ave to City of Otsego	Resurface, HMA 4E1 - 275 #/syd	0.89	\$62,500.00	Small Urban \$187,500.00	\$250,000.00
	Otsego	12th St, 102nd Ave to M-89	Resurface, HMA 4E1 - 220 #/syd	1.00	\$62,500.00	Small Urban \$187,500.00	\$250,000.00
	Otsego	16th St, Co. Line to 102nd Ave	Resurface, HMA 4E1 - 220 #/syd	1.02		ACRC (MTF) \$160,000.00	\$160,000.00
	Gun Plain, Martin, & Otsego	106th Ave, City of Otsego to 10th St; 116th Ave, Martin Village Lmts to 2nd St; 16th St, City of Otsego to 112th Ave; 102nd Ave, 24th St to 21st St	Chipseal and Fog Coat	9.92		ACRC (MTF) \$300,000.00	\$300,000.00
	Gun Plain, Martin, & Otsego	106th Ave, City of Otsego to 10th St; 11th St, Baseline Rd to 102nd Ave; 10th St, City of Plainwell to Village of Martin; 10th St, Village of Martin to 124th Ave; 21st St/Jefferson Rd, 102nd Ave to M-89; 24th St, 114th Ave to M-222 (1/2)	Crack Seal	15.03	\$90,000.00		\$90,000.00
SUB-TOTAL AREA 6				30.33	\$600,000.00	\$900,000.00	\$1,500,000.00
GRAND TOTAL				125.19	\$3,635,649.00	\$4,623,707.00	\$8,259,356.00

AREA FUND BALANCES

2020 Preliminary Balances

Area	Final 2019 Balances	Preliminary Revenues	Preliminary Expenses	Preliminary 2020 Balance
1	\$112,159.46	\$606,326.36	\$554,727.19	\$163,758.63
2	\$225,792.23	\$606,326.36	\$830,479.87	\$1,638.72
3	\$189,052.89	\$606,326.36	\$838,293.00	-\$42,913.75
4	\$639,258.88	\$606,326.36	\$1,374,984.27	-\$129,399.03
5	\$94,548.62	\$606,326.36	\$697,624.21	\$3,250.77
6	\$605,019.60	\$606,326.36	\$1,152,107.85	\$59,238.11
Totals	\$1,865,831.67	\$3,637,958.17	\$5,448,216.39	\$55,573.45

2021 Estimated Balances

Area	Preliminary 2020 Balances	Estimated Revenues	Estimated Expenses	Estimated 2021 Balance
1	\$163,758.63	\$610,000.00	\$660,000.00	\$113,758.63
2	\$1,638.72	\$610,000.00	\$665,000.00	-\$53,361.28
3	-\$42,913.75	\$610,000.00	\$460,649.00	\$106,437.25
4	-\$129,399.03	\$610,000.00	\$645,000.00	-\$164,399.03
5	\$3,250.77	\$610,000.00	\$605,000.00	\$8,250.77
6	\$59,238.11	\$610,000.00	\$600,000.00	\$69,238.11
Totals	\$55,573.45	\$3,660,000.00	\$3,635,649.00	\$79,924.45

PRIMARY ROAD RESURFACING MILLAGE FUND FUTURE PROPOSED PROJECTS							
AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
1	Laketown	64th St, 142nd Ave to 32nd St (2022)	Mill and Resurface, HMA 4E1 - 220 #/syd	2.97	\$550,000.00		\$550,000.00
	All	60th St & 136th Ave, Blue Star Hwy to 58th St (2022)	Resurface, HMA 4E1 - 220 #/syd	1.90	\$100,000.00	MACC-Urban \$300,000.00	\$400,000.00
	All	136th Ave, 58th St to 50th St (2023)	Resurface, HMA 4E1 - 220 #/syd	4.00	\$300,000.00	MACC-Urban \$400,000.00	\$700,000.00
	Saugatuck	Old Allegan Rd, Blue Star Hwy to 58th St	Mill and Resurface, HMA 4E1 - 220 #/syd	4.24	\$775,000.00		\$775,000.00
	Saugatuck	Riverside Dr & 62nd St, Village of Douglas to 128th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	2.55	\$475,000.00		\$475,000.00
	Fillmore	Blue Star Hwy, 141st Ave to 143rd Ave	Reconstruct to 3 Lanes	1.00	\$160,000.00	CMAQ \$200,000.00 Federal \$440,000.00	\$800,000.00
	Fillmore	Blue Star Hwy, 139th Ave to 141st Ave	Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	1.00	\$375,000.00		\$375,000.00
			SUB-TOTAL AREA 1	17.66	\$2,735,000.00	\$1,340,000.00	\$4,075,000.00
2	Salem	30th St, 140th Ave to Ottogan St	Mill and Resurface, HMA 4E1 - 220 #/syd	3.91	\$710,000.00		\$710,000.00
	Overisel	142nd Ave, 48th St to 46th St & 46th St, 142nd Ave to 142nd Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	1.14	\$250,000.00		\$250,000.00
	Overisel	142nd Ave, 46th St to 39th St	Resurface, HMA 4E1 - 220 #/syd	3.50	\$485,000.00	Overisel (PS) \$90,000.00	\$575,000.00
	Heath	134th Ave, 41st St to 38th St & 38th St, 134th Ave to 136th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	2.48	\$450,000.00		\$450,000.00
	Overisel	38th St, 136th Ave to 142nd Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	2.99	\$550,000.00		\$550,000.00
			SUB-TOTAL AREA 2	14.02	\$2,445,000.00	\$90,000.00	\$2,535,000.00
3	Leighton	Division St, Wayland City Limits to 1,000' south of 138th Ave	Mill, Chipseal, and Resurface, HMA 4E1 - 220 #/syd	1.00	\$220,000.00		\$220,000.00
	Wayland	4th St, 133rd Ave to 135th Ave	Renovate, Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	1.02	\$390,000.00	Wayland (REN) \$35,000.00 Wayland (PS) \$25,000.00	\$450,000.00
	Dorr	142nd Ave, 23rd St to Division (2023 or 2024)	Mill and Resurface, HMA 4E1 - 220 #/syd	5.92	\$200,000.00	Federal \$1,100,000.00 State D \$300,000.00	\$1,600,000.00
	Dorr	146th Ave, 22nd St to 18th St	Reconstruct for Future Paving	1.90	\$400,000.00	ACRC (MTF) \$400,000.00 Dorr (Recon) \$95,000.00	\$895,000.00
	Dorr	146th Ave, 22nd St to 18th St	Resurface, HMA 4E1 - 440 #/syd (2 courses)	1.90	\$480,000.00	Dorr (PS) \$80,000.00	\$560,000.00
	Hopkins/Watson	124th Ave, 15th St east to Existing Asphalt	Reconstruct for Future Paving (1/2 per area)	1.20	\$125,000.00	ACRC (MTF) \$125,000.00 Hopkins (Recon) \$30,000.00	\$280,000.00
	Hopkins/Watson	124th Ave, 15th St east to Existing Asphalt	Resurface, HMA 4E1 - 440 #/syd (2 courses)(1/2 per area)	1.20	\$160,000.00	Hopkins (PS) \$25,000.00	\$185,000.00
			SUB-TOTAL AREA 3	14.14	\$1,975,000.00	\$2,215,000.00	\$4,190,000.00

PRIMARY ROAD RESURFACING MILLAGE FUND FUTURE PROPOSED PROJECTS							
AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
4	Ganges	62nd St, 116th Ave to 120th Ave	Resurface, HMA 4E1 - 275 #/syd	1.99	\$350,000.00	Ganges (PS) \$50,000.00	\$400,000.00
	Ganges & Clyde	122nd Ave, Blue Star Hwy to 58th St	Resurface, HMA 4E1 - 220 #/syd	5.04	\$695,000.00	Ganges (PS) \$100,000.00 Clyde (PS) \$25,000.00	\$820,000.00
	Lee	56th St, 102nd Ave to 109th Ave	Resurface, HMA 4E1 - 220 #/syd	3.49	\$470,000.00	Lee (PS - 2.5 mi) \$90,000.00	\$560,000.00
	Casco	102nd Ave, 66th St to 60th St	Resurface, HMA 4E1 - 220 #/syd	2.99	\$480,000.00		\$480,000.00
	Casco & Ganges	Blue Stary Hwy, 111th Ave to 118th Ave (2022)	Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	3.30		Federal \$1,100,000.00 State D \$300,000.00	\$1,400,000.00
			SUB-TOTAL AREA 4	16.81	\$1,995,000.00	\$1,665,000.00	\$3,660,000.00
5	Allegan	26th St, M-89 to 114th Ave (2023)	Resurface, HMA 4E1 - 220 #/syd	1.26	\$45,000.00	Small Urban \$155,000.00	\$200,000.00
	Allegan	Monroe Rd, Grove St to M-40 (2023)	Resurface, HMA 4E1 - 220 #/syd	1.37	\$55,000.00	Small Urban \$140,000.00	\$195,000.00
	Allegan	118th Ave, Industrial Dr to 24th St	Renovate and Resurface HMA 4E1 - 220 #/syd	2.60	\$400,000.00	Allegan (REN) \$91,000.00 Allegan (PS) \$65,000.00	\$556,000.00
	Cheshire	104th Ave & 40th St, 42nd St to 108th Ave	Resurface, HMA 4E1 - 220 #/syd	3.00	\$375,000.00	Cheshire (PS) \$75,000.00	\$450,000.00
	Cheshire	42nd St, 108th Ave to 112th Ave	Reconstruct for Future Paving	2.00	\$400,000.00	ACRC (MTF) \$400,000.00 Cheshire (Recon) \$100,000.00	\$900,000.00
	Cheshire	42nd St, 108th Ave to 112th Ave	Resurface, HMA 4E1 - 440 #/syd (2 courses)	2.00	\$320,000.00	Cheshire (PS) \$80,000.00	\$400,000.00
	Trowbridge	28th St, Co. Line to 102nd Ave	Reconstruct for Future Paving	1.00	\$200,000.00	ACRC (MTF) \$200,000.00 Trowbridge (Recon) \$50,000.00	\$450,000.00
	Trowbridge	28th St, Co. Line to 102nd Ave	Resurface, HMA 4E1 - 330 #/syd (2 courses)	1.00	\$160,000.00	Trowbridge (PS) \$40,000.00	\$200,000.00
			SUB-TOTAL AREA 5	14.23	\$1,955,000.00	\$1,396,000.00	\$3,351,000.00
6	Gun Plain	106th Ave & Marsh Rd, 10th St to County Line (2023 or 2024)	Resurface, HMA 4E1 - 220 #/syd	6.68		Federal \$1,100,000.00 State D \$300,000.00	\$1,400,000.00
	Otsego	106th Ave, M-89 to Otsego City Limits	Renovate, Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	1.43	\$600,000.00	Otsego (REN) \$50,000.00 Otsego (PS) \$60,000.00	\$710,000.00
	Otsego	21st St & 101st Ave, Co. Line to 21st St	Resurface, HMA 4E1 - 220 #/syd	0.99	\$160,000.00		\$160,000.00
	Hopkins/Watson	124th Ave, 15th St east to existing asphalt	Reconstruct for Future Paving (1/2 per area)	1.20	\$125,000.00	ACRC (MTF) \$125,000.00 Watson (Recon) \$30,000.00	\$280,000.00
	Hopkins/Watson	124th Ave, 15th St east to existing asphalt	Resurface, HMA 4E1 - 440 #/syd (2 courses)(1/2 per area)	1.20	\$160,000.00	Hopkins (PS) \$25,000.00	\$185,000.00
			SUB-TOTAL AREA 6	11.50	\$1,045,000.00	\$1,690,000.00	\$2,735,000.00
			GRAND TOTAL	88.36	\$12,150,000.00	\$8,396,000.00	\$20,546,000.00

DISCUSSION AND QUESTIONS

Allegan County Road Commission

1308 Lincoln Road

Allegan MI 49010

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