

# ALLEGAN COUNTY PRIMARY ROAD MILLAGE



**JANUARY 4-6, 2022**





# ***TOPICS***

- ***ALLEGAN COUNTY ROAD COMMISSION INFORMATION***
- ***MILLAGE HISTORY & GUIDELINES***
- ***2021 COMPLETED PROJECTS***
- ***2022 PROPOSED PROJECTS***
- ***FUTURE PROPOSED PROJECTS***
- ***DISCUSSION & QUESTIONS***

# ***ALLEGAN COUNTY ROAD COMMISSION INFORMATION***

- Responsible for 1,800 miles (5<sup>th</sup> in State) of roadway and 155 bridges (9<sup>th</sup> in State) within 24 townships (4<sup>th</sup> in the State)
  - 522 Primary Miles
    - 493 miles paved
    - 29 miles gravel
  - 1278 Local Miles
    - 678 miles paved
    - 600 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)

## ***2020 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 \$15,154,393.

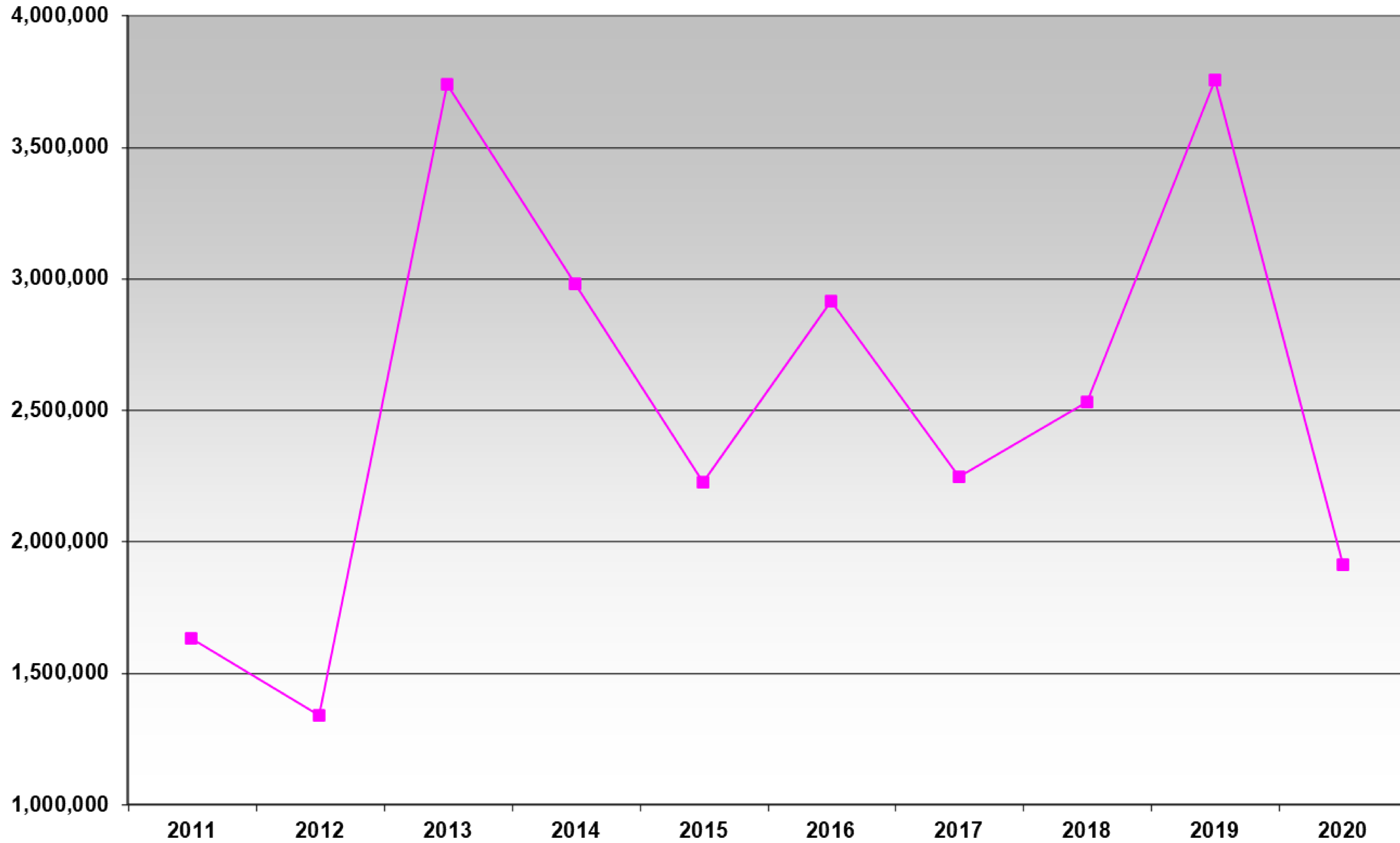
Federal and State funding acquired for roads and bridges totaled \$581,827.

### **Local Revenue:**

The Primary Millage raised \$4,042,365 and township contributions added an additional \$10,016,822 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.

# Winter Maintenance



# ***HOT MIX ASPHALT PRICES***

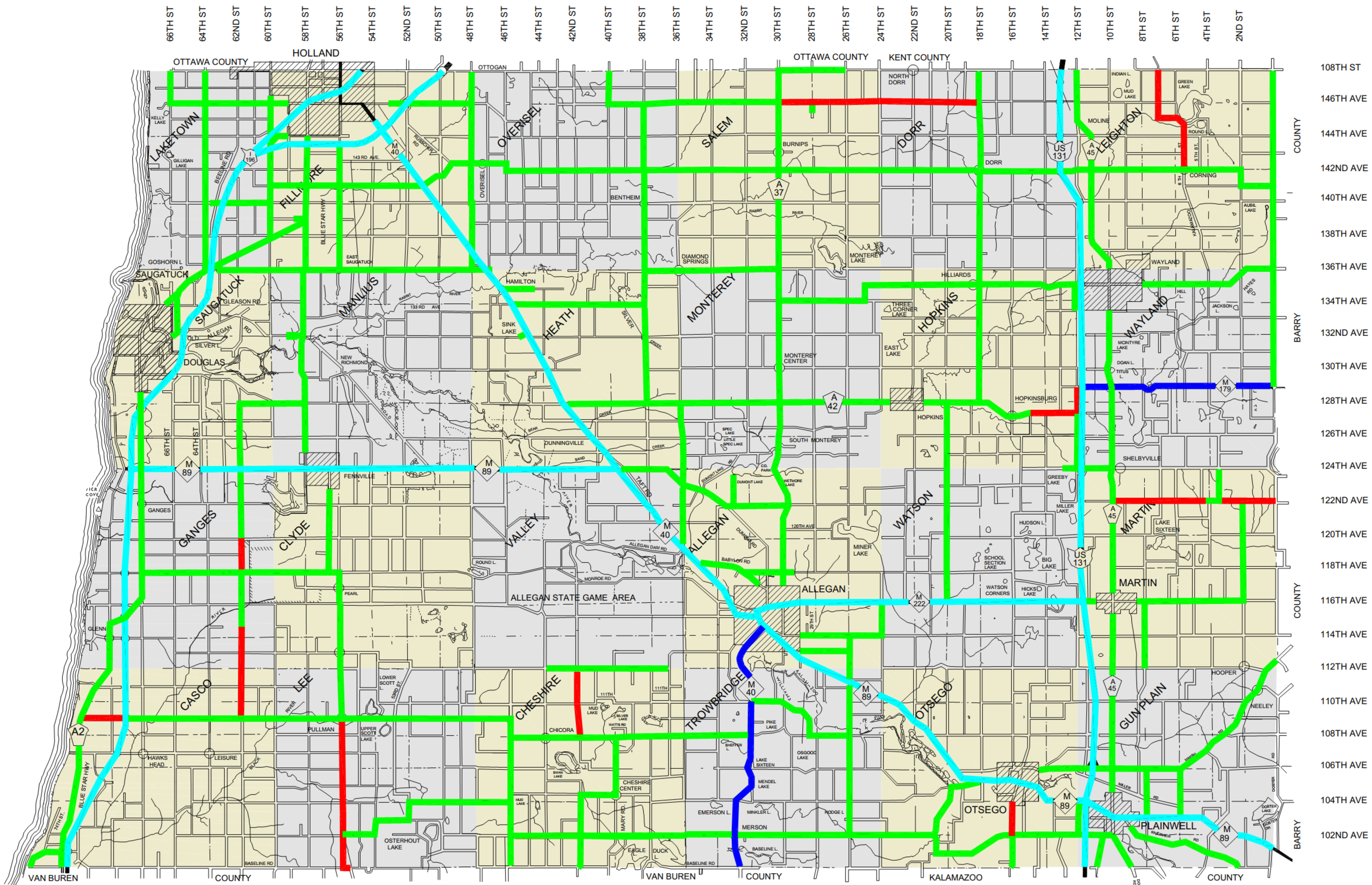
<b>YEAR</b>
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
*2022

<b>Local Roads</b>		
<b>(\$/ton)</b>	<b>Yearly Change</b>	<b>% Change</b>
\$27.26		
\$34.00	\$6.74	24.7%
\$39.38	\$5.38	15.8%
\$54.72	\$15.34	39.0%
\$46.91	-\$7.81	-14.3%
\$48.33	\$1.42	3.0%
\$44.14	-\$4.19	-8.7%
\$49.82	\$5.68	12.9%
\$53.22	\$3.40	6.8%
\$51.01	-\$2.21	-4.2%
\$52.28	\$1.27	2.5%
\$49.07	-\$3.21	-6.1%
\$48.34	-\$0.73	-1.5%
\$49.69	\$1.35	2.8%
\$60.87	\$11.18	22.5%
\$65.35	\$4.48	7.4%
\$58.64	-\$6.71	-10.3%
\$62.00	\$3.36	5.7%

<b>Primary Roads</b>		
<b>(\$/ton)</b>	<b>Yearly Change</b>	<b>% Change</b>
\$24.79		
\$33.27	\$8.48	34.2%
\$38.83	\$5.56	16.7%
\$48.50	\$9.67	24.9%
\$47.63	-\$0.87	-1.8%
\$49.92	\$2.29	4.8%
\$43.59	-\$6.33	-12.7%
\$50.49	\$6.90	15.8%
\$53.60	\$3.11	6.2%
\$52.48	-\$1.12	-2.1%
\$58.40	\$5.92	11.3%
\$52.36	-\$6.04	-10.3%
\$53.32	\$0.96	1.8%
\$50.81	-\$2.51	-4.7%
\$60.18	\$9.37	18.4%
\$60.64	\$0.46	0.8%
\$53.00	-\$7.64	-12.6%
\$57.00	\$4.00	7.5%



# ALL-SEASON ROUTES



66TH ST  
64TH ST  
62ND ST  
60TH ST  
58TH ST  
56TH ST  
54TH ST  
52ND ST  
50TH ST  
48TH ST  
46TH ST  
44TH ST  
42ND ST  
40TH ST  
38TH ST  
36TH ST  
34TH ST  
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20TH ST  
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16TH ST  
14TH ST  
12TH ST  
10TH ST  
8TH ST  
6TH ST  
4TH ST  
2ND ST

108TH ST  
146TH AVE  
144TH AVE  
142ND AVE  
140TH AVE  
138TH AVE  
136TH AVE  
134TH AVE  
132ND AVE  
130TH AVE  
128TH AVE  
126TH AVE  
124TH AVE  
122ND AVE  
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118TH AVE  
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110TH AVE  
108TH AVE  
106TH AVE  
104TH AVE  
102ND AVE

74TH ST  
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UPDATED: 12-17-21  
BY: JSE

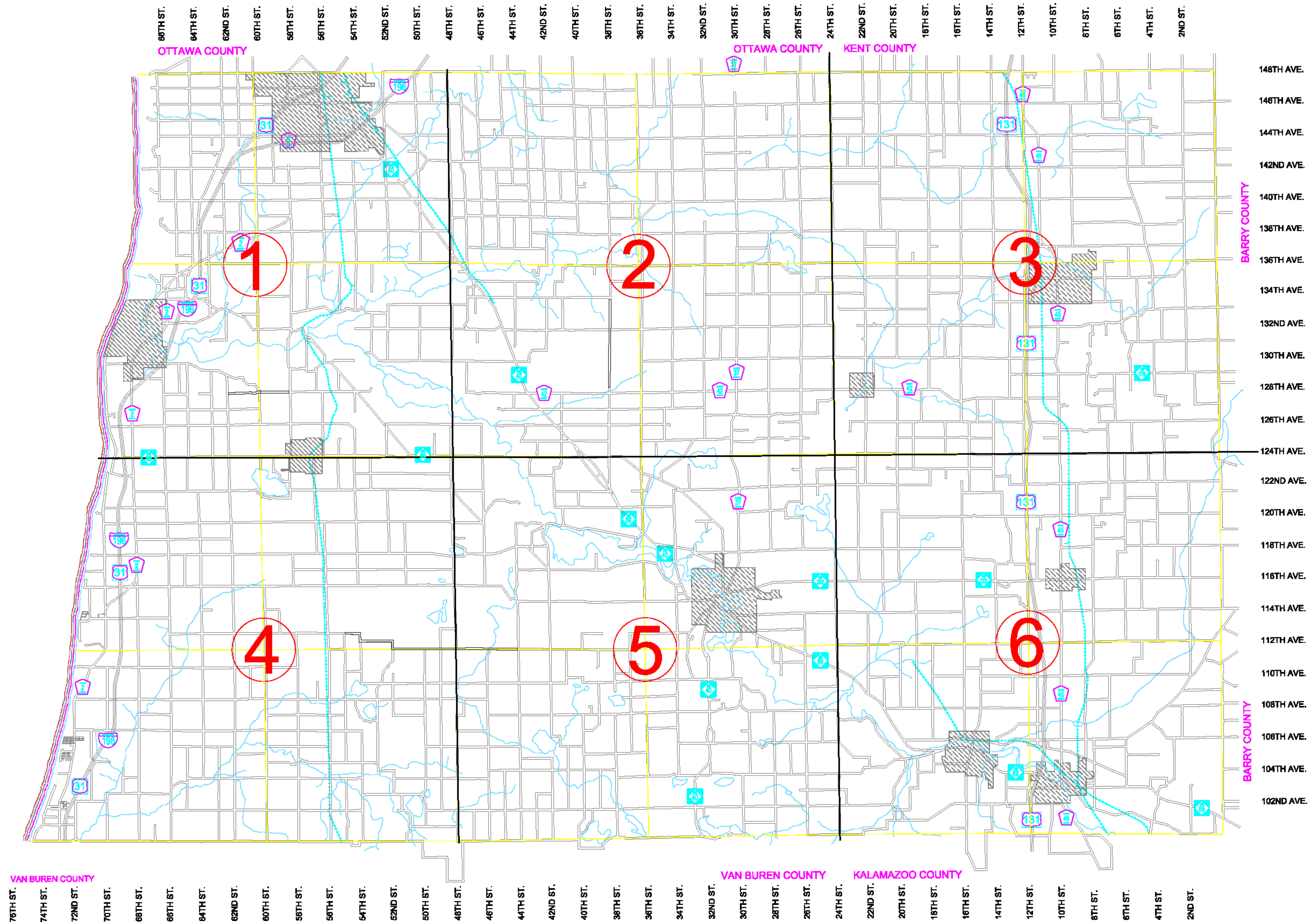


# ***ALLEGAN COUNTY MILLAGE HISTORY***

- 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.
- 2022 is the 4<sup>th</sup> year of the renewed 6 year millage.



# 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%		



# ***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



# ***PROJECT SELECTION***

- 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 - Chip and Fog Seal
- 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> No action required	Like new condition No defects More than 1 year old <u>Recent overlay with or without a crush and shape</u> No action required	♦ 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> Little or no maintenance required
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>  Suggested Action Maintain with crack seal	♦ 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>  Suggested Action Maintain with sealcoat	♦ 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>  Suggested Action Maintain with sealcoat or thin overlay
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>  Suggested Action Structural overlay >2"	♦ < 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  Suggested Action Structural overlay >2" Patching & repair prior to a major overlay Milling would extend overlay life	♦ > 25% alligator cracking ♦ Severe rutting or distortion >2" Closely spaced cracks with erosion Frequent potholes Extensive patches in poor condition  Suggested Action Reconstruction with base repair Crush and shape possible  <b>Asphalt 1</b> Loss of surface integrity Extensive surface distress  Suggested Action Reconstruction with base repair



# ***MILLAGE PROJECT TOTALS***

- From 1983-2021 the millage has raised \$81,491,275 which has funded:
  - 704.24 miles of paving (22.69 in 2021)
    - \*Some roads have been resurfaced multiple times
  - 223.54 miles of chip seal & fog coat (27.71 in 2021)
  - 299.67 miles of crack sealing (47.94 in 2021)
  - 14 large culvert replacements
- ACRC Contributions (MTF) in 2021
  - ~\$2,158,088 to fund or supplement millage funds on 7 primary projects



**PRIMARY ROAD RESURFACING MILLAGE FUND  
2021 COMPLETED PROJECTS**

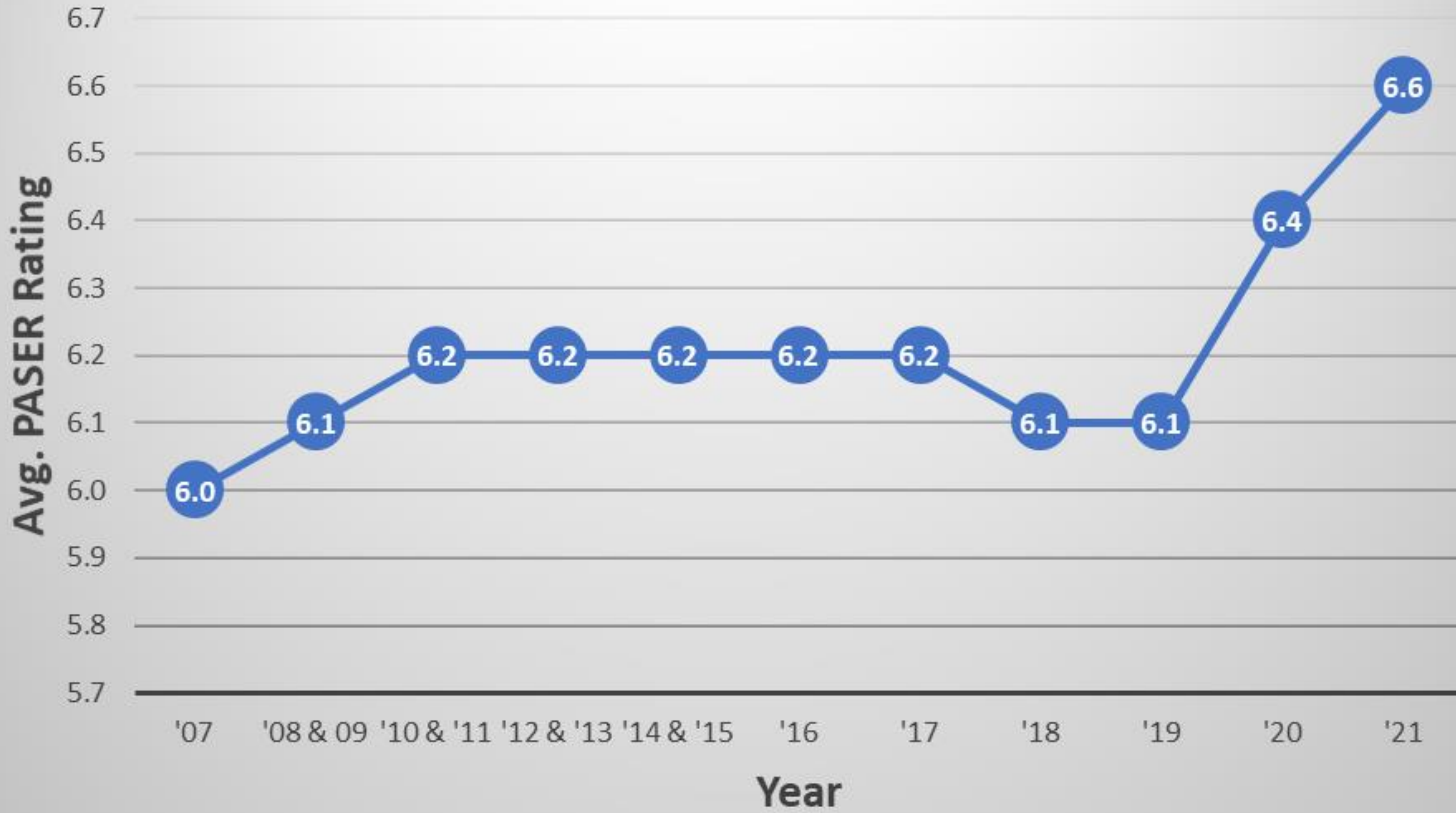
AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
1	Saugatuck	66th Street - M-89 to Village of Douglas	Resurface, HMA 4E1 - 275 #/syd	2.84	\$354,147.28	Saugatuck (PS) \$54,982.40	\$409,129.68
	Manlius	130th Avenue and 57th Street - 58th Street to New Richmond Bridge	Resurface, HMA 4E1 - 220 #/syd	1.71	\$195,398.86	Manlius (PS) \$32,977.82	\$228,376.68
	Laketown, Mailius & Saugatuck	140th Avenue - 64th Street to 60th Street, 63rd Street & 136th Avenue, Blue Star Highway to 60th Street	Crack Seal	3.67	\$17,943.79		\$17,943.79
			<b>SUB-TOTAL AREA 1</b>	<b>8.22</b>	<b>\$567,489.93</b>	<b>\$87,960.22</b>	<b>\$655,450.15</b>
2	Monterey & Salem	30th Street - 134th Avenue to 140th Avenue	Mill and Resurface, HMA 4E1 - 220 #/syd	2.94	\$442,767.63		\$442,767.63
	Overisel & Salem	146th Avenue - 38th Street to end of pavement east of 22nd Street	Crack Seal	7.04	\$34,420.79		\$34,420.79
			<b>SUB-TOTAL AREA 2</b>	<b>9.98</b>	<b>\$477,188.42</b>	<b>\$0.00</b>	<b>\$34,420.79</b>
3	Hopkins	128th Avenue - Village of Hopkins to 18th Street	Mill and Resurface, HMA 4E1 - 275 #/syd	1.74	\$149,966.87	ACRC (MTF) \$155,000.00	\$304,966.87
	Dorr, Leighton & Wayland	146th Avenue - 24th Street east to end of pavement; 146th Avenue - Division Street to 7th Street; 10th Street - 124th Avenue to 129th Avenue	Crack Seal	6.11	\$29,824.84		\$29,824.84
			<b>SUB-TOTAL AREA 3</b>	<b>7.85</b>	<b>\$179,791.71</b>	<b>\$155,000.00</b>	<b>\$334,791.71</b>



4	Ganges	Lakeshore Drive - 121st Avenue to 124th Avenue	Renovate, Crush, Shape and Resurface, HMA 4E1 - 440 #/syd (2 courses)	1.85	\$724,311.50	Ganges (REN) Ganges (PS) ACRC (MTF)	\$64,750.00 \$61,125.97 \$300,000.00	\$1,150,187.47
	Ganges & Clyde	118th Avenue - 62nd Street to 57th Street	Mill and Resurface, HMA 4E1 - 220 #/syd	2.65		ACRC (MTF)	\$426,933.23	\$426,933.23
	Casco & Lee	109th Avenue - Blue Star Highway to 48th Street; 60th Street - Baseline Road to 109th Avenue	Crack, Chip and Fog Seal	16.03		ACRC (MTF)	\$538,554.14	\$538,554.14
			<b>SUB-TOTAL AREA 4</b>	<b>20.53</b>	<b>\$724,311.50</b>		<b>\$1,391,363.34</b>	<b>\$2,115,674.84</b>
5	Trowbridge	102nd Avenue - M-40 to 26th Street	Resurface, HMA 4E1 - 220 #/syd	3.49		ACRC (MTF)	\$488,001.04	\$488,001.04
	Allegan	34th Street - Babylon Road to Dumont Road	Resurface, HMA 4E1 - 220 #/syd	1.98	\$251,449.46	Allegan (PS)	\$18,873.10	\$270,322.56
	Cheshire & Trowbridge	46th Street - 108th Avenue to 109th Avenue; 109th Avenue - 48th Street to 46th Street; 108th Avenue - 46th Street to M-40	Crack, Chip and Fog Seal	8.44	\$298,248.18			\$298,248.18
	Allegan, Cheshire & Watson	114th Avenue - 26th Street to 24th Street; 24th Street - 114th Avenue to M-222; 42nd Street - 102nd Avenue to 104th Avenue	Crack Seal	3.16	\$13,030.03			\$13,030.03
			<b>SUB-TOTAL AREA 5</b>	<b>17.07</b>	<b>\$562,727.67</b>		<b>\$506,874.14</b>	<b>\$1,069,601.81</b>
6	Gun Plain	Pierce Road & 106th Avenue - Marsh Road to Doster Road	Resurface, HMA 4E1 - 220 #/syd	2.47	\$291,103.79	Gun Plain (PS)	\$52,864.42	\$343,968.21
	Otsego	16th Street - County line to 102nd Avenue	Resurface, HMA 4E1 - 220 #/syd	1.02		ACRC (MTF)	\$148,818.93	\$148,818.93
	Martin	116th Avenue - Village of Martin to 2nd Street	Chip and Fog Seal	3.24		ACRC (MTF)	\$100,780.21	\$100,780.21
	Gun Plain, Martin & Otsego	106th Avenue - City of Otsego to 10th Street; 10th Street - City of Plainwell to Village of Martin; 10th Street - Village of Martin to 124th Avenue; 11th Street - Baseline Road to 102nd Avenue	Crack Seal	11.93	\$60,749.77			\$60,749.77
			<b>SUB-TOTAL AREA 6</b>	<b>18.66</b>	<b>\$351,853.56</b>		<b>\$302,463.56</b>	<b>\$654,317.12</b>
			<b>GRAND TOTAL</b>	<b>82.31</b>	<b>\$2,863,362.79</b>		<b>\$2,443,661.26</b>	<b>\$4,864,256.42</b>



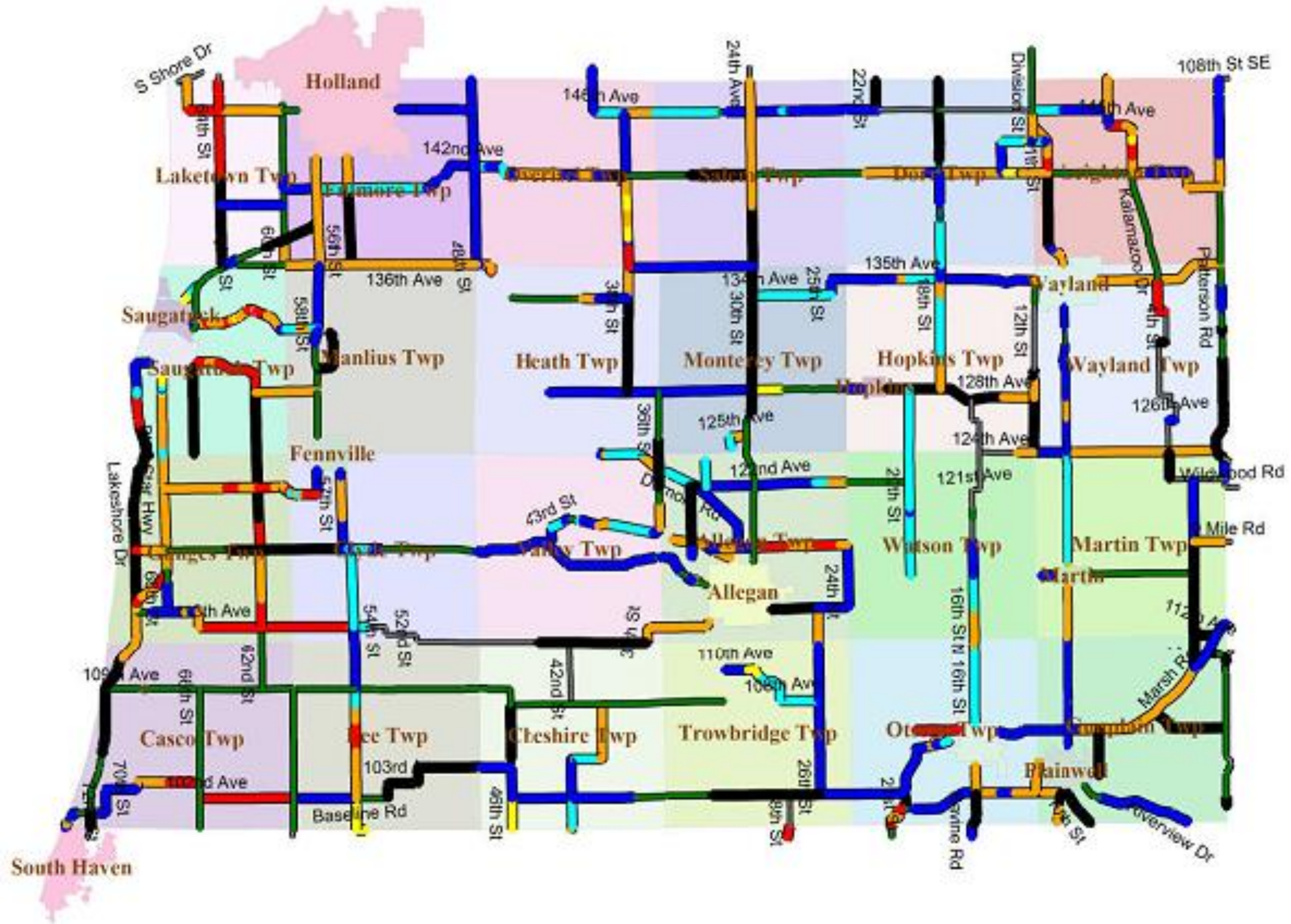
## Primary Roads - Average PASER Rating





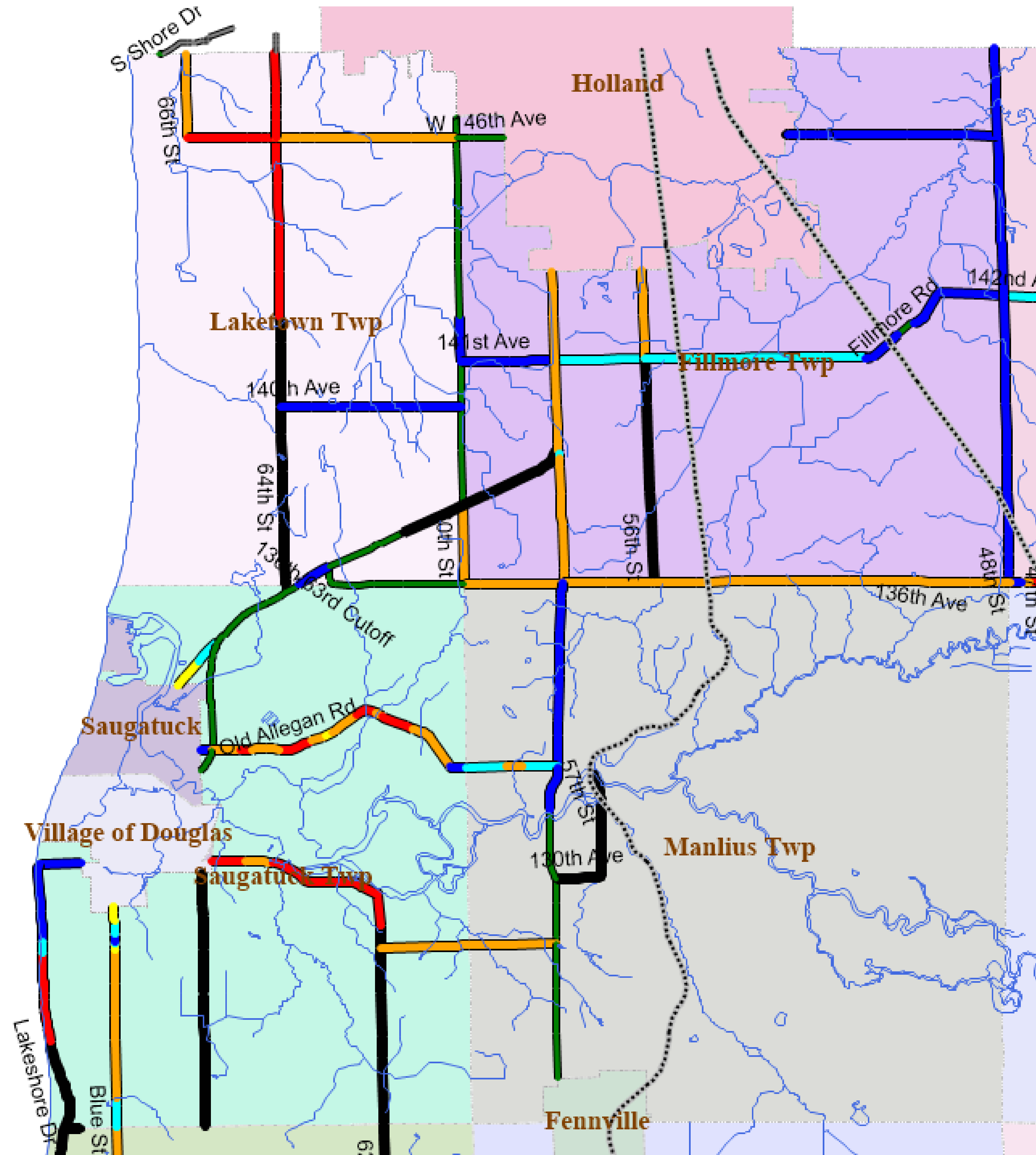
# 2021 PASER Ratings - Paved Primary Roads

4.5 mi



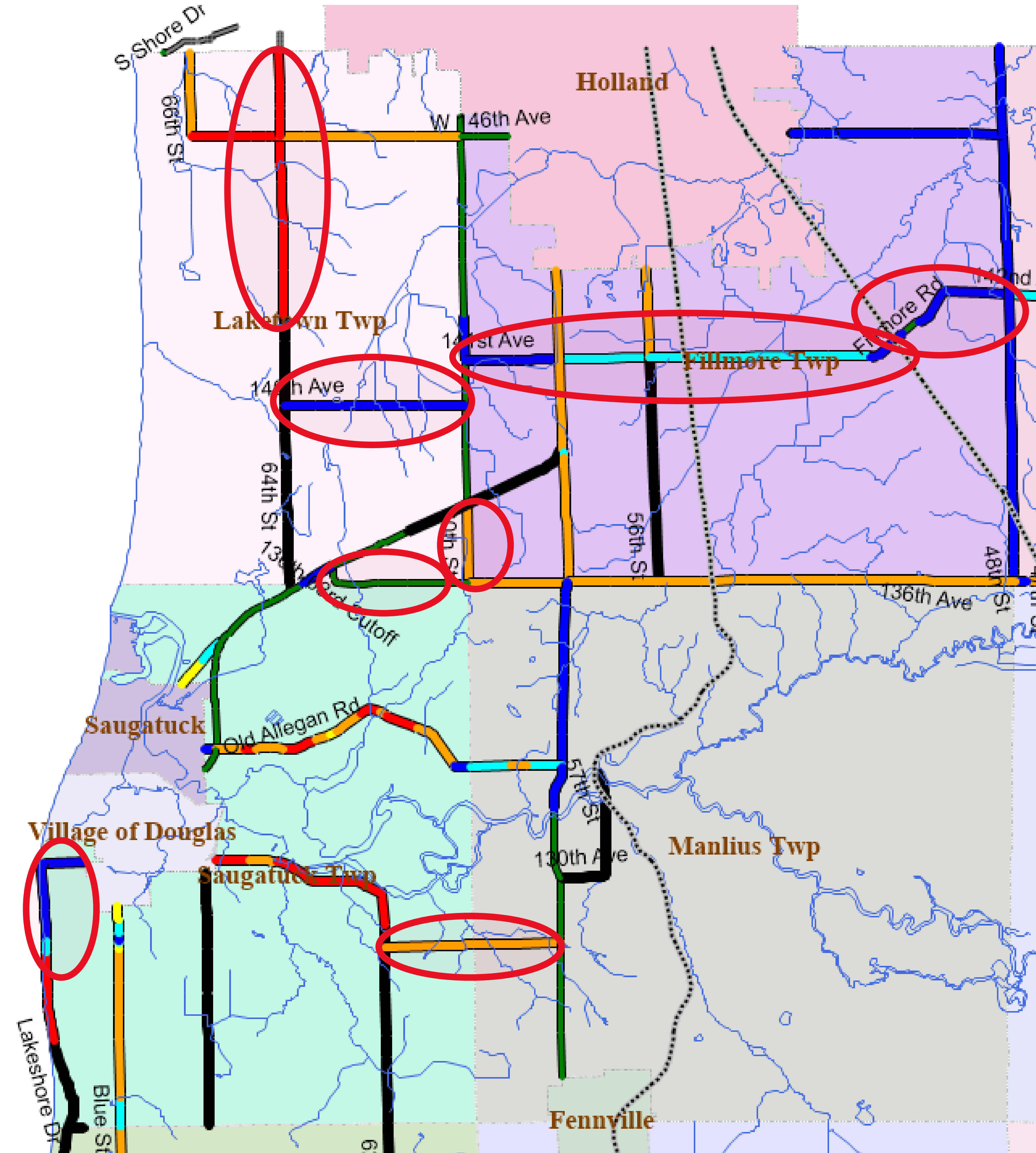


# AREA 1 – PASER RATINGS

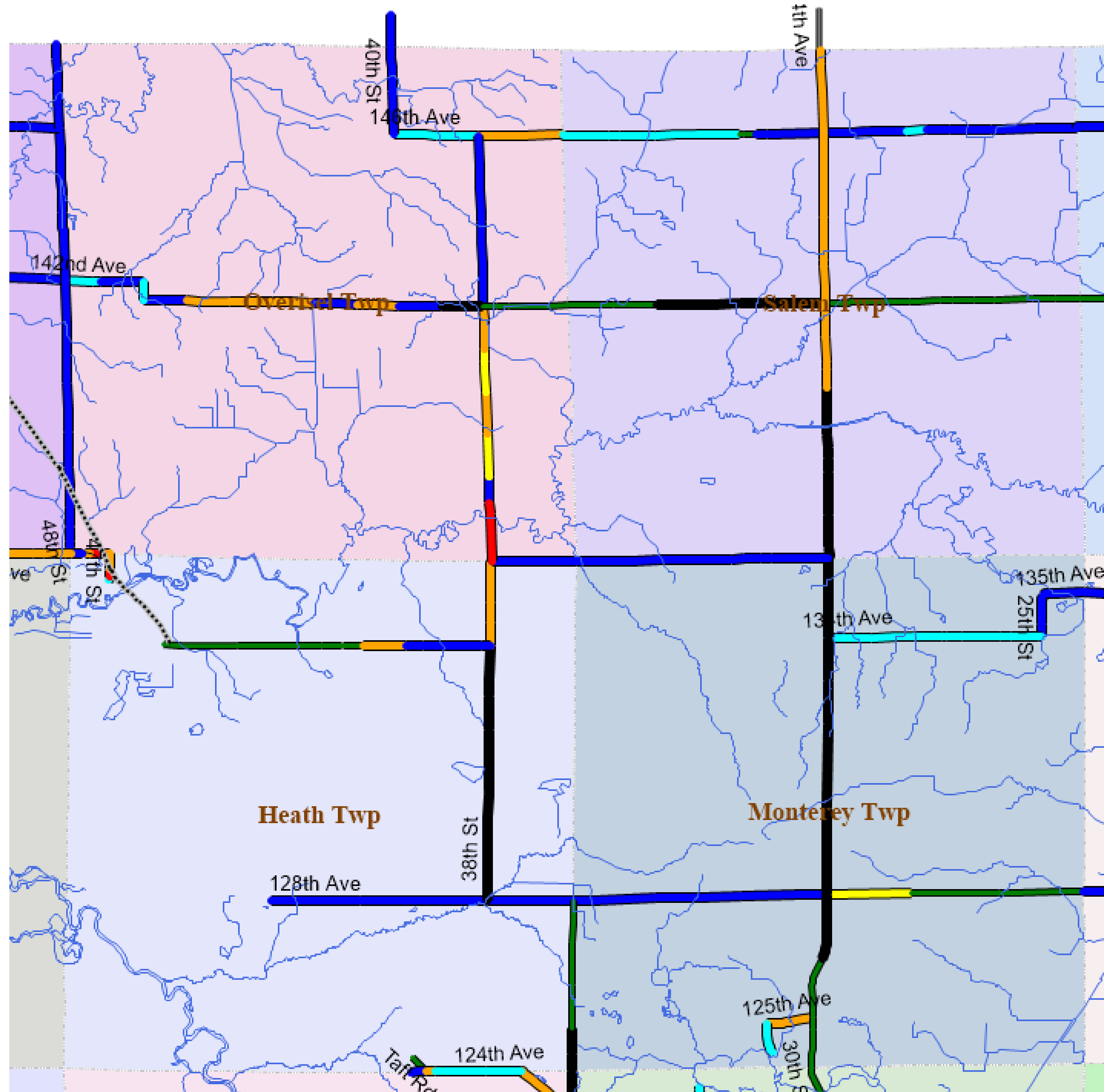




# 2022 PROPOSED PROJECTS – AREA 1

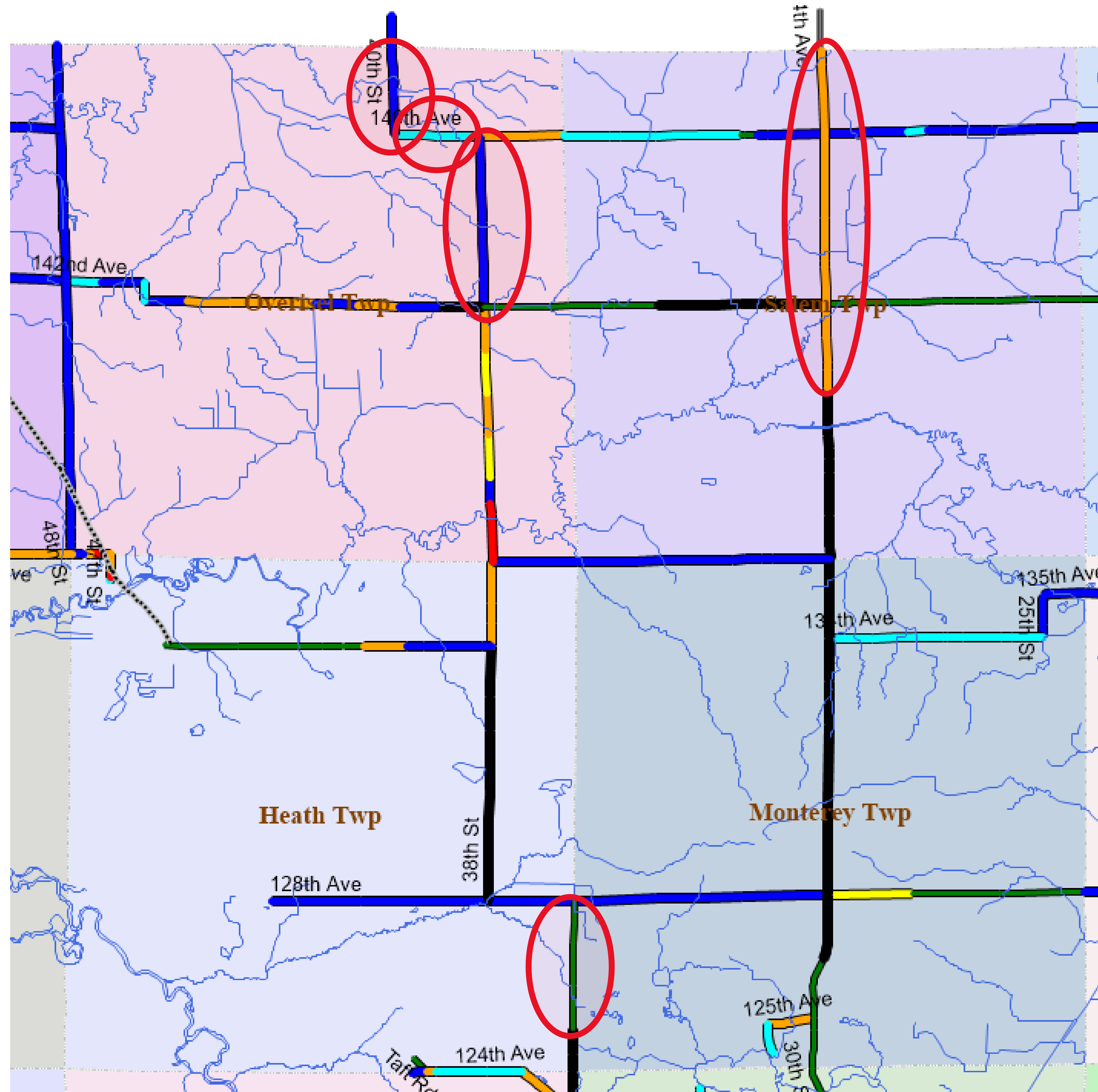


# AREA 2 – PASER RATINGS

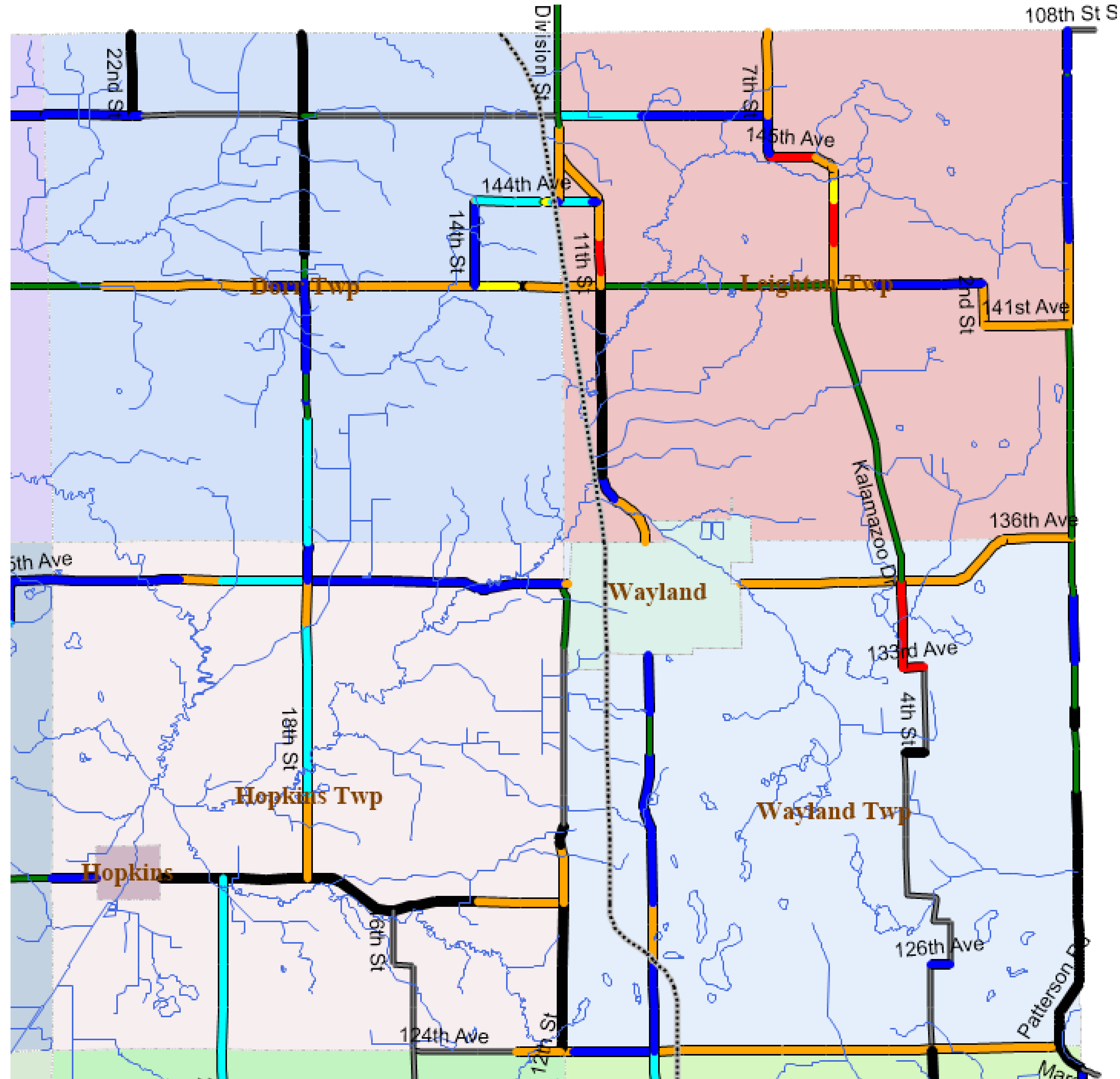




# 2022 PROPOSED PROJECTS – AREA 2

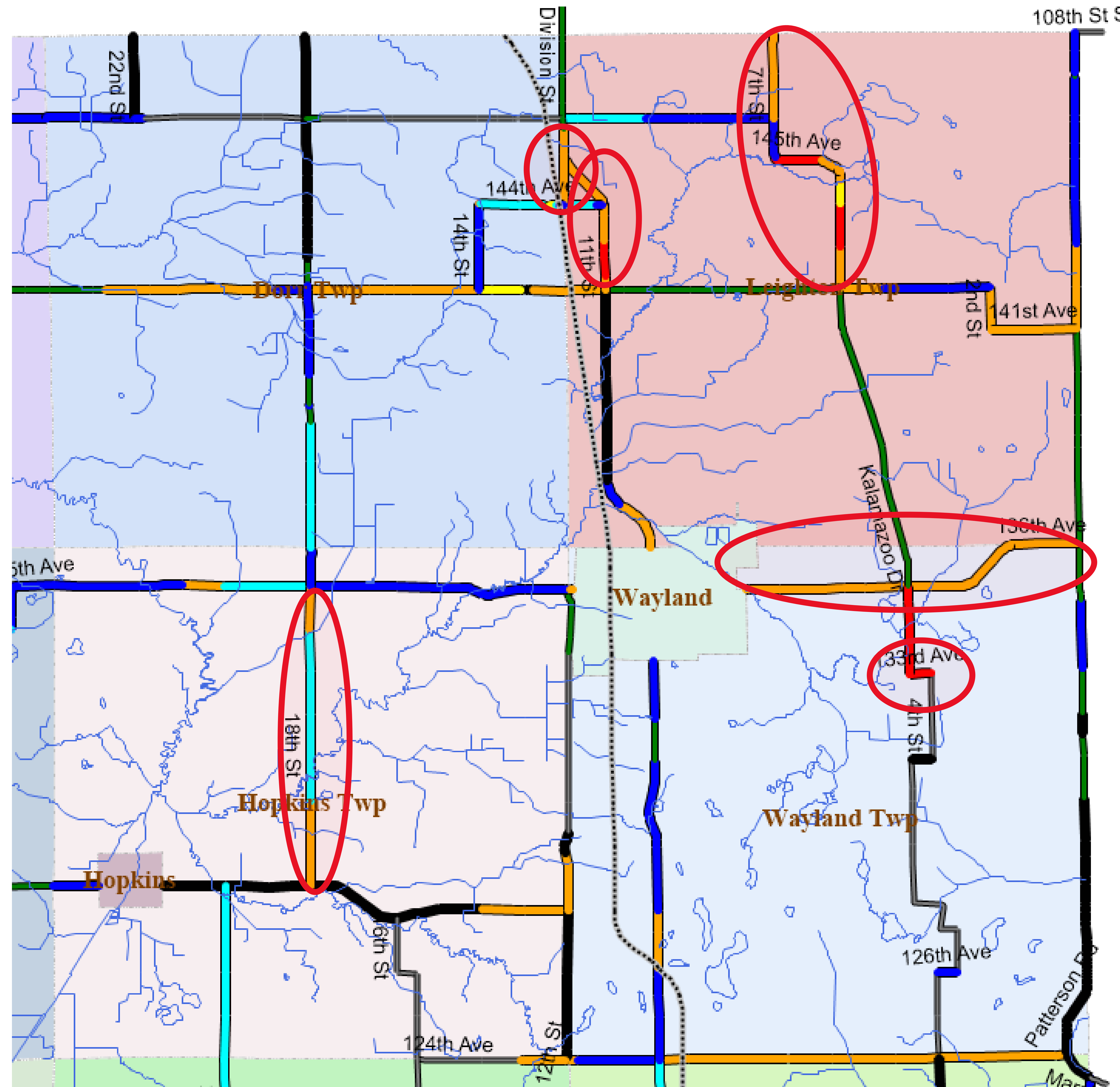


# AREA 3 – PASER RATINGS

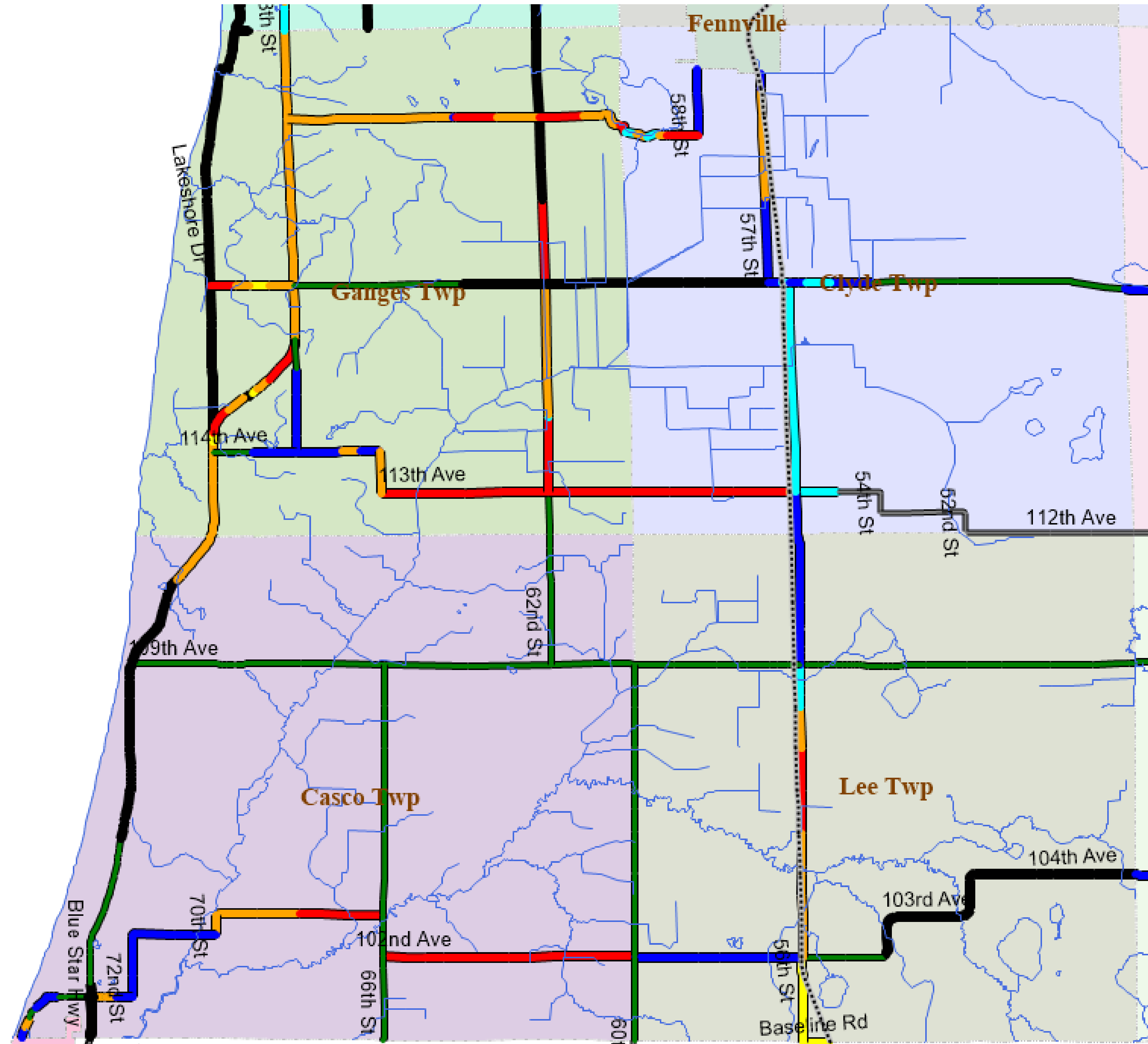




# 2022 PROPOSED PROJECTS – AREA 3

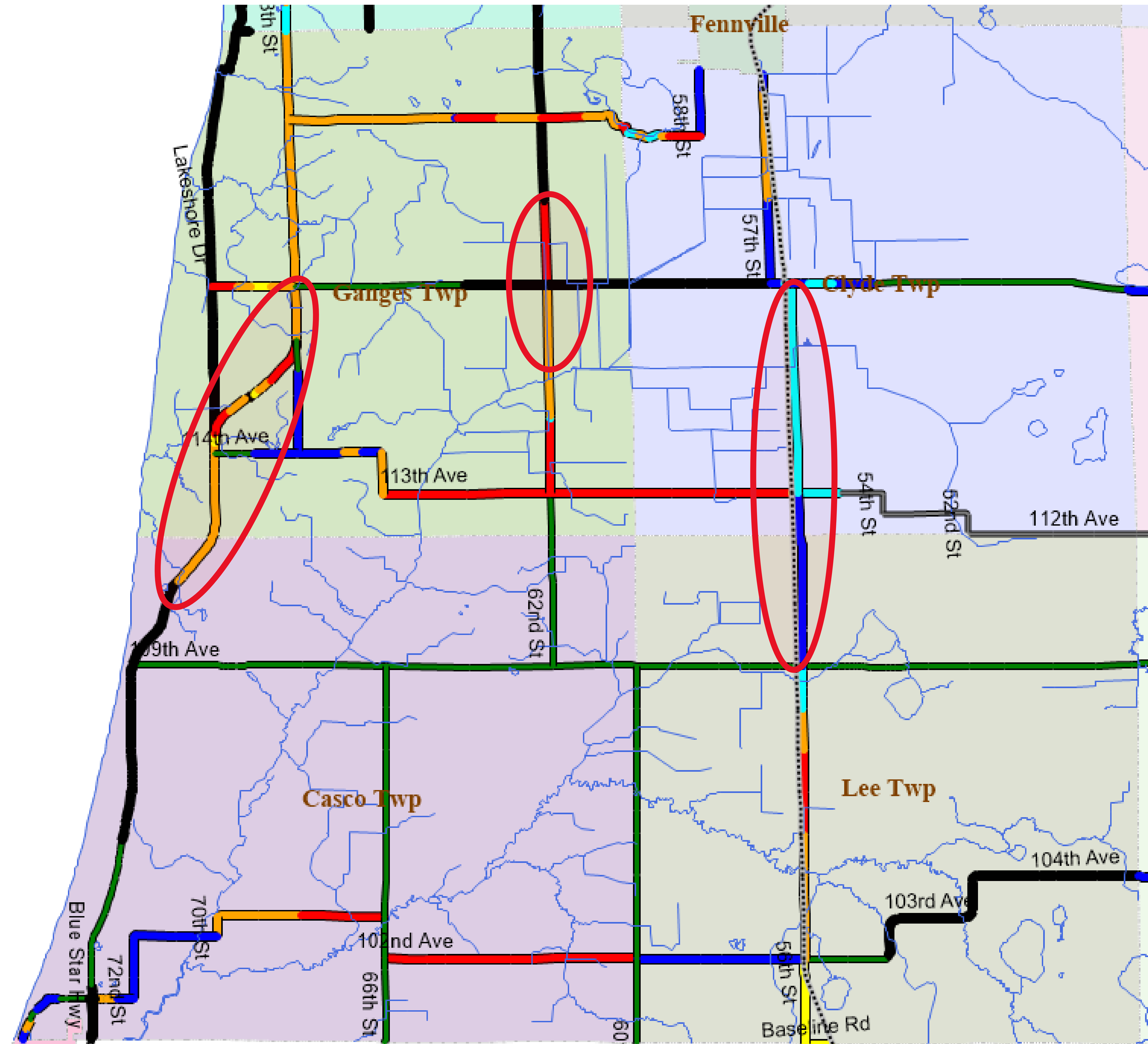


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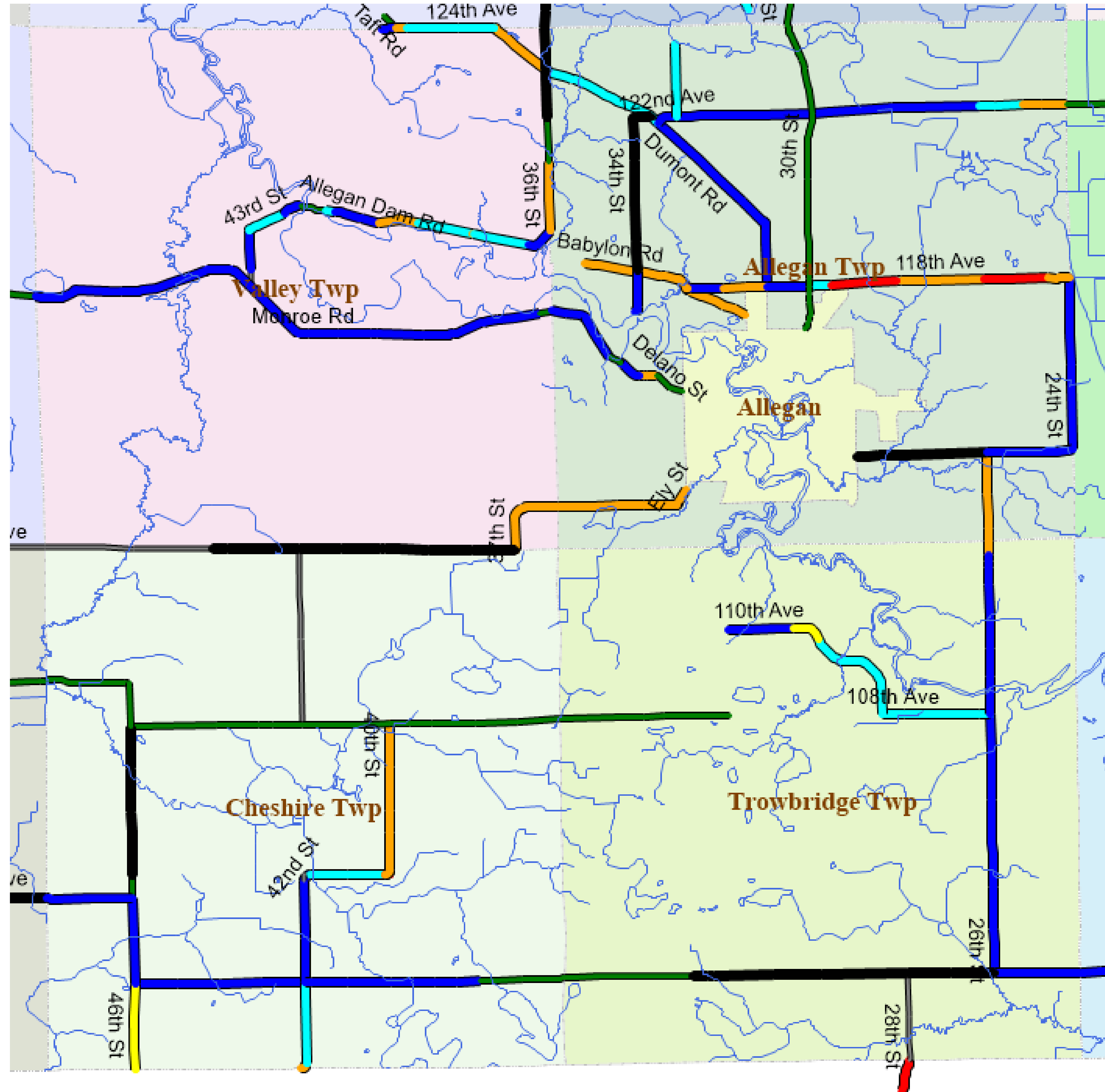




# 2022 PROPOSED PROJECTS – AREA 4

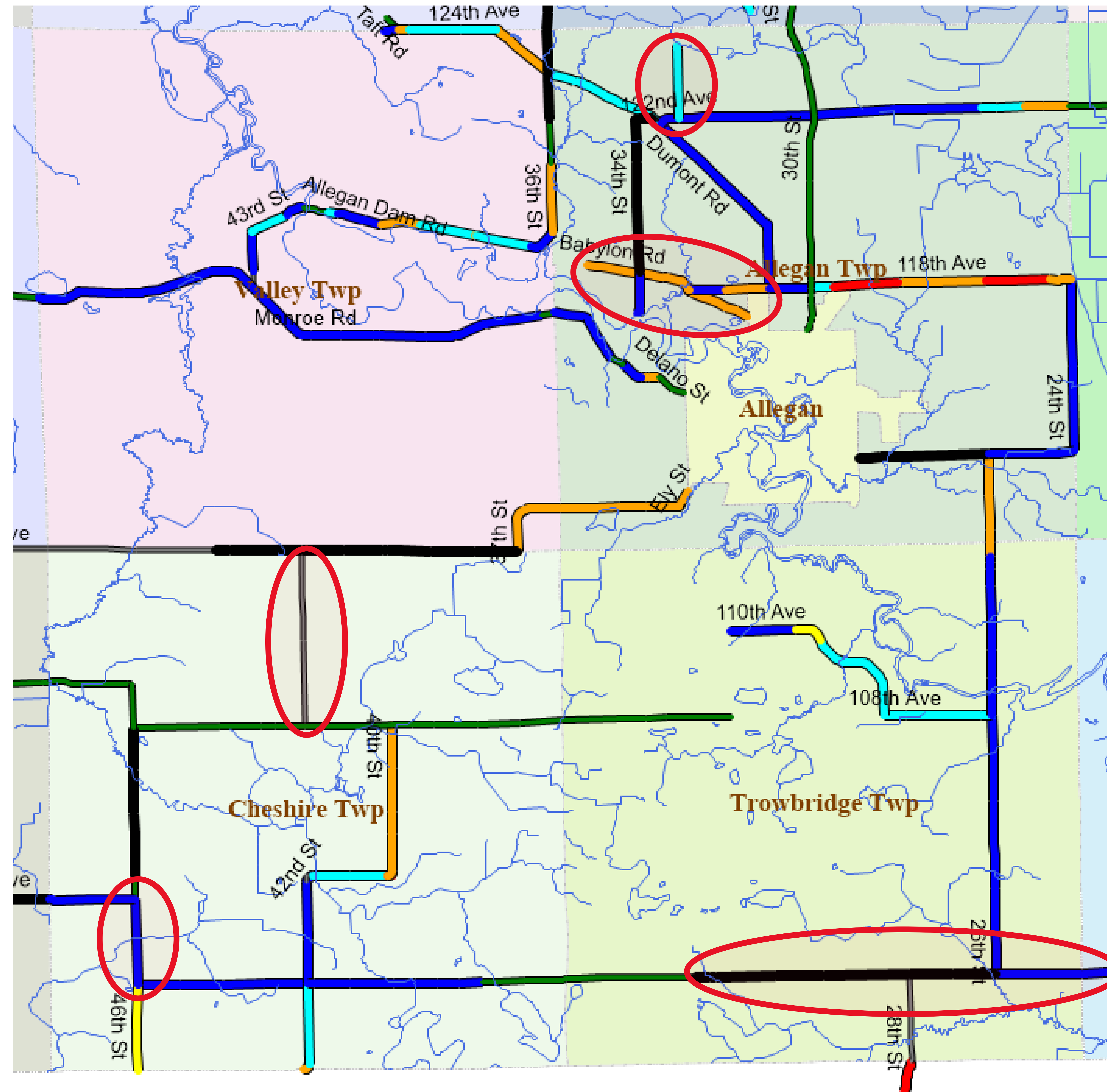


# AREA 5 – PASER RATINGS

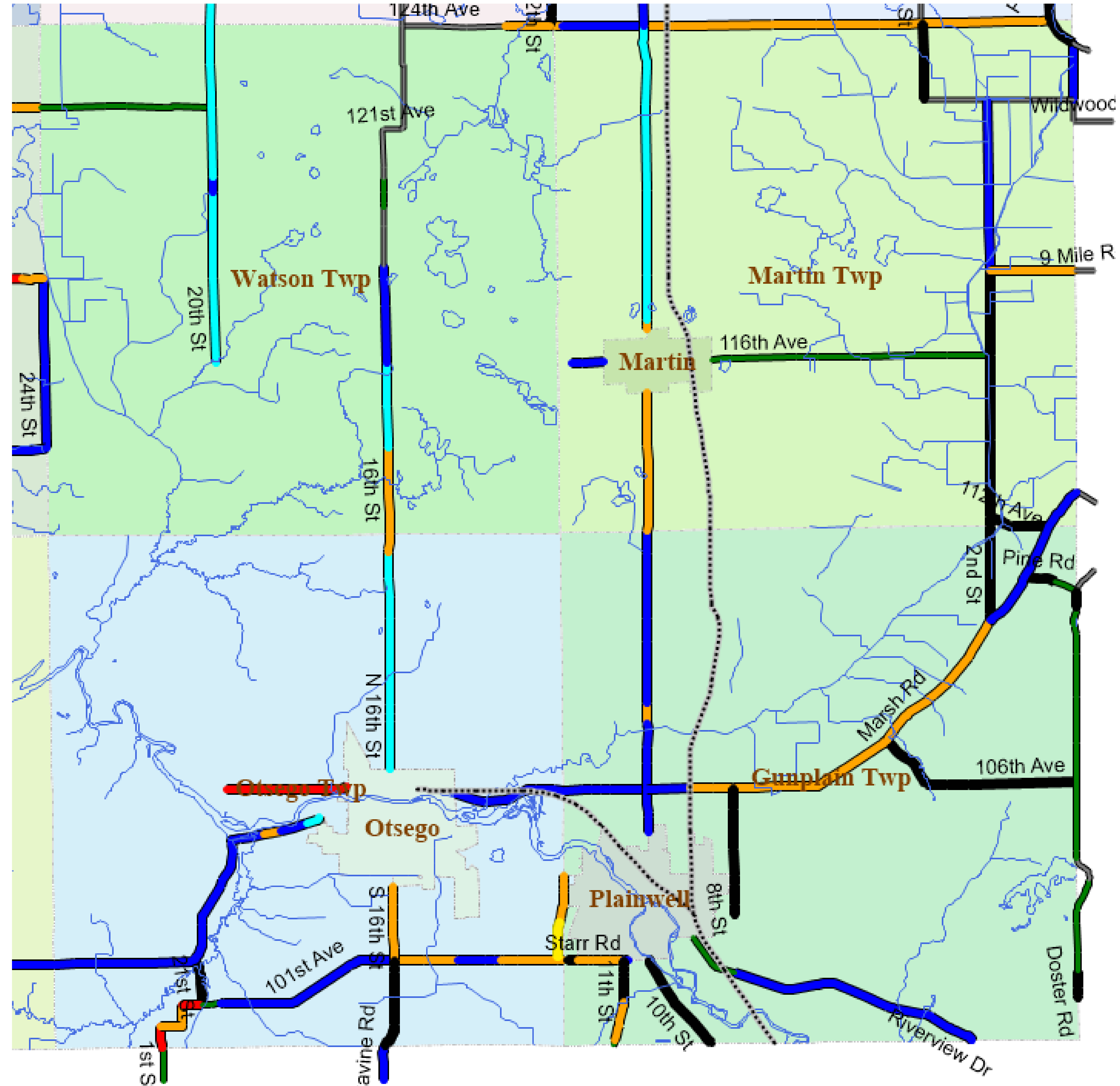




# 2022 PROPOSED PROJECTS – AREA 5

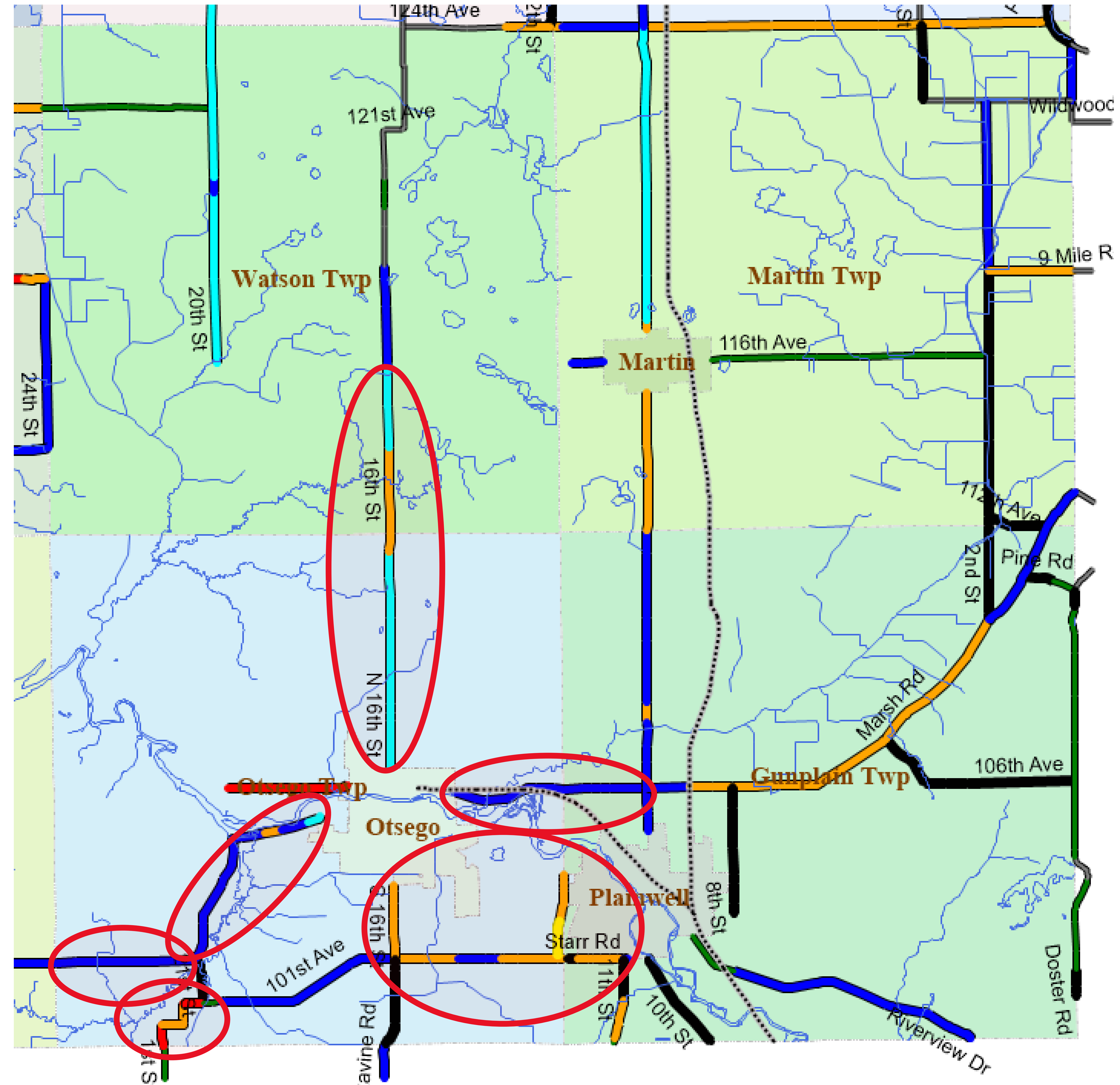


# AREA 6 – PASER RATINGS





# 2022 PROPOSED PROJECTS – AREA 6



**PRIMARY ROAD RESURFACING MILLAGE FUND  
2022 PROPOSED PROJECTS**

AREA	TOWNSHIP	PROJECT LOCATION	TYPE OF WORK	MILES	MILLAGE FUND COSTS	TOWNSHIP & OTHER CONTRIBUTIONS	TOTAL COSTS
1	Laketown	64th Street - 142nd Avenue to 32nd Street	Mill and Resurface, HMA 4E1 - 220 #/syd	2.97	\$580,000.00		\$580,000.00
	Laketown, Fillmore & Manlius	60th Street & 136th Avenue - Blue Star Highway to 58th Street	Resurface, HMA 4E1 - 220 #/syd	1.90	\$100,000.00	Federal (STP) \$300,000.00	\$400,000.00
	Laketown, Fillmore & Saugatuck	140th Avenue - 64th Street to 60th Street; 63rd Street & 136th Avenue - Blue Star Highway to 60th Street; 141st Avenue/Fillmore Road/142nd Avenue - 60th Street to 48th Street	Chip and Fog Seal	10.07	\$230,000.00	ACRC (MTF) \$50,000.00	\$280,000.00
	Saugatuck & Manlius	128th Avenue - 62nd Street to 58th Street; Lakeshore Drive - south of 130th Avenue; 130th Avenue (Wiley Road) - Lakeshore Drive to Douglas City Limits	Crack Seal	3.46	\$20,000.00		\$20,000.00
			<b>SUB-TOTAL AREA 1</b>	<b>18.40</b>	<b>\$930,000.00</b>	<b>\$350,000.00</b>	<b>\$1,280,000.00</b>
2	Salem	30th Street - 140th Avenue to Ottogan Street	Mill and Resurface, HMA 4E1 - 220 #/syd	3.91	\$710,000.00		\$710,000.00
	Overisel	38th Street - 142nd Avenue to 146th Avenue; 36th Street - 125th Avenue to 128th Avenue	Chip and Fog Seal	3.50	\$100,000.00		\$100,000.00
	Overisel	40th Street - 146th Avenue to county line; 146th Avenue - 40th Street to 38th Street	Crack Seal	2.03	\$15,000.00		\$15,000.00
			<b>SUB-TOTAL AREA 2</b>	<b>9.44</b>	<b>\$825,000.00</b>	<b>\$0.00</b>	<b>\$825,000.00</b>
3	Leighton	Division Street - 142nd Avenue to 1,000' south of 146th Avenue	Crush, Shape and Resurface, HMA 4E1 - 440 #/syd (2 courses)	2.02	\$65,000.00	Federal (STP) \$600,000.00 State (D) \$150,000.00	\$815,000.00
	Wayland	135th Avenue, Hayes Road, 136th Avenue - City of Wayland to Patterson Road	Resurface, HMA 4E1 - 220 #/syd	4.09	\$85,000.00	Federal (STP) \$550,000.00 State (D) \$140,000.00	\$775,000.00
	Wayland	133rd Avenue - 4th Street to 4th Street	Reconstruct for future paving	0.25	\$115,000.00		\$115,000.00
	Dorr & Leighton	12th Street - 144th Avenue to Division Street	Mill and Resurface, HMA 4E1 - 220 #/syd, realign intersection with Division	0.59	\$175,000.00		\$175,000.00
	Leighton	Kalamazoo Drive, 145th Avenue & 7th Street - 142nd Avenue to County Line	Resurface, HMA 4E1 - 220 #/syd	3.64	\$520,000.00	Leighton (PS) \$80,000.00	\$600,000.00
	Hopkins	18th Street - 128th Avenue to 135th Avenue	Chip and Fog Seal	3.52	\$100,000.00		\$100,000.00
			<b>SUB-TOTAL AREA 3</b>	<b>14.11</b>	<b>\$1,060,000.00</b>	<b>\$1,520,000.00</b>	<b>\$2,580,000.00</b>



4	Casco & Ganges	Blue Star Highway - 111th Avenue to 118th Avenue	Renovate, Crush, Shape and Resurface, HMA 4E1 - 440 #/syd (2 courses)	3.30	\$52,000.00	ACRC (MTF)	\$1,148,000.00	\$1,200,000.00
	Ganges	62nd Street - 116th Avenue to 120th Avenue	Resurface, HMA 4E1 - 220 #/syd	1.99	\$350,000.00	Ganges (PS)	\$50,000.00	\$400,000.00
	Lee	56th Street - 109th Avenue to 118th Avenue	Crack, Chip and Fog Seal	4.56	\$160,000.00			\$160,000.00
			<b>SUB-TOTAL AREA 4</b>	<b>9.85</b>	<b>\$562,000.00</b>		<b>\$1,198,000.00</b>	<b>\$1,760,000.00</b>
5	Cheshire	42nd Street - 108th Avenue to 112th Avenue	Reconstruct for future paving	2.00	\$400,000.00	ACRC (MTF)	\$400,000.00	\$900,000.00
	Cheshire	46th Street - 102nd Avenue to 104th Avenue	Chip and Fog Seal	1.00	\$30,000.00	Cheshire (RECON)	\$100,000.00	\$30,000.00
	Allegan	Babylon Road - M-40 to City of Allegan; 118th Avenue - Babylon Road to Dumont Road; 33rd Street - 122nd Avenue to Dumont Lake; 102nd Avenue - M-40 to 24th Street	Crack, Chip and Fog Seal	8.27	\$270,000.00			\$270,000.00
			<b>SUB-TOTAL AREA 5</b>	<b>11.27</b>	<b>\$700,000.00</b>		<b>\$500,000.00</b>	<b>\$1,200,000.00</b>
6	Otsego	21st Street & 101st Avenue - County line to 21st Street	Resurface, HMA 4E1 - 220 #/syd	0.99	\$160,000.00			\$160,000.00
	Otsego	16th Street - 102nd Avenue to City of Otsego	Mill and Resurface, HMA 4E1 - 220 #/syd	1.02	\$175,000.00			\$175,000.00
	Otsego & Gun Plain	102nd Avenue - 16th Street to 11th Street	Mill and Resurface, HMA 4E1 - 220 #/syd	2.69	\$475,000.00			\$475,000.00
	Otsego & Gun Plain	12th Street - 102nd Avenue to M-89	Mill and Resurface, HMA 4E1 - 220 #/syd	1.01	\$175,000.00			\$175,000.00
	Otsego & Gun Plain	102nd Avenue - 24th Street to 21st Street; 16th Street - Otsego City Limits to M-222; 106th Avenue - Otsego City Limits to 10th Street	Chip and Fog Seal	8.66	\$250,000.00			\$250,000.00
	Otsego	Jefferson Road - 21st Street to M-89; 16th Street - 112th Avenue to M-222	Crack Seal	4.61	\$30,000.00			\$30,000.00
			<b>SUB-TOTAL AREA 6</b>	<b>18.98</b>	<b>\$1,265,000.00</b>		<b>\$0.00</b>	<b>\$1,265,000.00</b>
			<b>GRAND TOTAL</b>	<b>82.05</b>	<b>\$5,342,000.00</b>		<b>\$3,568,000.00</b>	<b>\$8,910,000.00</b>

# ***AREA FUND BALANCES***

## **2021 Preliminary Balances**

Area	Final 2020 Balances	Preliminary Revenues	Preliminary Expenses	Preliminary 2021 Balance
1	\$231,159.73	\$641,818.63	\$567,489.93	\$305,488.43
2	\$69,039.82	\$641,818.63	\$477,188.42	\$233,670.03
3	\$24,487.35	\$641,818.63	\$179,791.71	\$486,514.27
4	-\$61,997.93	\$641,818.63	\$724,311.50	-\$144,490.80
5	\$70,651.87	\$641,818.63	\$562,727.67	\$149,742.83
6	\$126,639.21	\$641,818.63	\$351,853.56	\$416,604.28
Totals	\$459,980.04	\$3,850,911.78	\$2,863,362.79	\$1,447,529.03

## **2022 Estimated Balances**

Area	Preliminary 2021 Balances	Estimated Revenues	Estimated Expenses	Estimated 2021 Balance
1	\$305,488.43	\$650,000.00	\$930,000.00	\$25,488.43
2	\$233,670.03	\$650,000.00	\$825,000.00	\$58,670.03
3	\$486,514.27	\$650,000.00	\$1,060,000.00	\$76,514.27
4	-\$144,490.80	\$650,000.00	\$562,000.00	-\$56,490.80
5	\$149,742.83	\$650,000.00	\$700,000.00	\$99,742.83
6	\$416,604.28	\$650,000.00	\$1,265,000.00	-\$198,395.72
Totals	\$1,447,529.03	\$3,900,000.00	\$5,342,000.00	\$5,529.03



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	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
	Laketown & Fillmore	Blue Star Highway - 500' south of 142nd Avenue to 143rd Avenue (2024)	Crush, Shape, and Resurface; Widen to include center left turn lane	0.60	\$160,000.00	MACC-Urban \$170,000.00 CMAQ (Rural) \$500,000.00	\$830,000.00
	Saugatuck	Riverside Dr & 62nd St, Village of Douglas to 128th Ave	Mill and Resurface, HMA 4E1 - 220 #/syd	4.55	\$475,002.00		\$475,002.00
	Fillmore	48th Street - 142nd Avenue to Ottogan Street (2025)	Mill and Resurface, HMA 4E1 - 220 #/syd (split with Area 2)	2.77	\$111,625.00	MACC-Urban \$400,000.00 Area 2 111625.00	\$623,250.00
	Fillmore & Manlius	136th Avenue - 50th Street to 48th Street (2026)	Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses) Widen to include center left turn lane	1.22	\$710,000.00	MACC-Urban \$370,000.00 CMAQ (Rural) \$620,000.00	\$1,700,000.00
		<b>SUB-TOTAL AREA 1</b>		<b>19.93</b>	<b>\$3,006,627.00</b>	<b>\$2,571,625.00</b>	<b>\$5,578,252.00</b>
2	Overisel	48th Street - 142nd Avenue to Ottogan Street (2025)	Mill and Resurface, HMA 4E1 - 220 #/syd (split with Area 1)	2.77	\$111,625.00	MACC-Urban \$400,000.00 Area 1 111625.00	\$623,250.00
	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
		<b>SUB-TOTAL AREA 2</b>		<b>12.88</b>	<b>\$1,846,625.00</b>	<b>\$601,625.00</b>	<b>\$2,448,250.00</b>
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 (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
		<b>SUB-TOTAL AREA 3</b>		<b>14.14</b>	<b>\$1,975,000.00</b>	<b>\$2,215,000.00</b>	<b>\$4,190,000.00</b>



4	Ganges	Blue Star Highway - 118th Avenue to M-89	Renovate, Crush, Shape, and Resurface HMA 4E1 - 440 #/syd (2 courses)	3.05		Federal		
	Ganges & Clyde	122nd Ave, Blue Star Hwy to 58th St	Resurface, HMA 4E1 - 220 #/syd	5.04	\$695,000.00	Ganges (PS) Clyde (PS)	\$100,000.00 \$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
	Ganges	113th Avenue - 66th Street to 58th Street	Resurface, HMA 4E1 - 220 #/syd	4.94	\$790,000.00			\$790,000.00
			<b>SUB-TOTAL AREA 4</b>	<b>19.51</b>	<b>\$2,435,000.00</b>		<b>\$215,000.00</b>	<b>\$2,650,000.00</b>
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) Allegan (PS)	\$91,000.00 \$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
	Allegan & Valley	37th Street, 113th Avenue, 33rd Street - 112th Avenue to City of Allegan	Mill and Resurface, HMA 4E1 - 220 #/syd	2.51	\$440,000.00			\$440,000.00
	Cheshire	42nd St, 108th Ave to 112th Ave	Pave, HMA 4E1 - 440 #/syd (2 courses)	2.00	\$320,000.00	Cheshire (PS)	\$80,000.00	\$400,000.00
			<b>SUB-TOTAL AREA 5</b>	<b>12.74</b>	<b>\$1,635,000.00</b>		<b>\$606,000.00</b>	<b>\$2,241,000.00</b>
6	Gun Plain	106th Ave & Marsh Rd, 10th St to County Line (2023)	Resurface, HMA 4E1 - 220 #/syd	6.68		Federal State D	\$1,100,000.00 \$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) Otsego (PS)	\$50,000.00 \$60,000.00	\$710,000.00
	Martin	10th Street - 112th Avenue to Village of Martin	Mill, Chipseal, and Resurface, HMA 4E1 - 220 #/syd	1.63	\$360,000.00			\$360,000.00
	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) Watson (Recon)	\$125,000.00 \$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	Watson (PS)	\$25,000.00	\$185,000.00
	Martin	122nd Avenue - 4th Street to Patterson Road	Reconstruct for future paving	1.75	\$1,112,500.00	Martin (Recon)	\$87,500.00	\$1,200,000.00
	Martin	122nd Avenue - 4th Street to Patterson Road	Pave, HMA 4E1 - 440 #/syd (2 courses)	1.75	\$375,000.00	Martin (PS)	\$70,000.00	\$445,000.00
			<b>SUB-TOTAL AREA 6</b>	<b>15.64</b>	<b>\$2,732,500.00</b>		<b>\$1,847,500.00</b>	<b>\$4,580,000.00</b>
			<b>GRAND TOTAL</b>	<b>94.84</b>	<b>\$13,630,752.00</b>		<b>\$8,056,750.00</b>	<b>\$21,687,502.00</b>



# ***DISCUSSION AND QUESTIONS***

## **Allegan County Road Commission**

*1308 Lincoln Road*

*Allegan MI 49010*

*269-673-2184*

### **Managing Director**

Craig Atwood, P.E.

*catwood@alleganroads.org*

### **Maintenance Superintendent**

Phil Kernodle

*pkernodle@alleganroads.org*