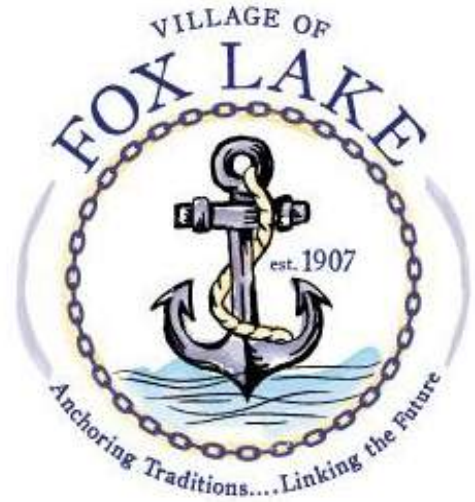


2019 ROADWAY INVENTORY



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VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

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VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

INTRODUCTION

The Village maintains approximately 50 centerline miles of roadway pavement. To protect this investment, the Village must perform various maintenance activities, including:

- Pavement Resurfacing
- Pavement Patching
- Curb Repair
- Inlet and Sewer Repairs
- Pavement Striping
- Repairing Cracks
- Shoulder Repair

At the request of the Village of Fox Lake, Thomas Engineering Group (TEG) has prepared this report to provide the Village with an evaluation of the existing street network under Village jurisdiction. Streets that are under either Illinois Department of Transportation (IDOT), Lake County Division of Transportation, private, or Township jurisdiction are not included in the scope of this report since the Village is not responsible for maintenance of these roadways.

OBJECTIVE

This report was prepared in order to provide a rating of the existing conditions of the roadway pavement and relative ranking of the street network. In future evaluation years, these ratings can be compared to prior ratings to see if the overall system rating is improving, holding steady, or deteriorating. Existing conditions can be maintained if levels of funding are adequate. Condition ratings will decrease if funding levels are inadequate.

There are two ways that the condition rating can be used. First, as a relative measurement, it provides a rational method for ranking roads and streets according to their condition. Secondly, the condition rating provides a general indicator of the type and degree of repair or maintenance work necessary.

The condition ratings, developed in June 2019, are relatively ranked according to condition only. We will work with the Village to develop any weighted scales (ADT/Traffic Priority, Business/Commercial Districts, Age, Proximity to adjacent projects, etc.) for prioritization of the Village's multi-year pavement preservation program. Spreadsheets will be adjusted accordingly to display the relative ranking of pavement preservation needs and projected funding levels.

BASIS OF EVALUATION

A visual inspection of each street was made by personnel from our office. The information gathered during the rating, included the physical condition of the roadway pavement, pictures, and GPS measurements of the section length.



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

SURFACE RATING METHODOLOGY

Utilizing a pavement rating system based on a modified version of the WisDOT PASER Manual for Asphalt Roads, the pavement surfaces were evaluated and given a surface rating ranging from 1 to 10, based on the visual surface conditions and defects as observed. The Roadway Inventory Rating Template, or modified Asphalt PASER scale is attached. Below is a basic summary of ratings and the associated condition of each value:

NEW 10	Asphalt 10 Excellent condition New construction No defects Recent base improvement <i>No improvement necessary</i>		
	Asphalt 9 Excellent Like new condition Recent overlay <i>Improve with crack sealing</i>	Asphalt 8 Very good Occasional transverse cracking Crack width tight (hairline) or sealed Few/no longitudinal cracks on joints Recent overlay <i>Improve with crack sealing</i>	Asphalt 7 Good Moderate transverse cracking Minimal crack widths Little/no crack erosion Little/no raveling No patches or patches in good condition <i>Improve with extensive crack sealing</i>
	Asphalt 6 Fair Frequent transverse cracking Initial block cracking Moderate cracking widths Blocks are large and stable Slight polishing/flushing Slight crack raveling <i>Mill and overlay, full-depth pavement patching</i>	Asphalt 5 Fair Secondary cracking (crack raveling) Moderate block cracking Longitudinal cracking at edge Severe crack widths Moderate crack raveling Extensive to severe flushing/polishing <i>Mill and overlay with full-depth pavement patching</i>	Asphalt 4 Fair Longitudinal cracking in wheel paths Rutting Severe block cracking Extensive crack raveling Slight drainage issues <i>Structural overlay, full-depth pavement patching</i>
	Asphalt 3 Poor Moderate drainage issues Slight alligator cracking Moderate rutting Severe block cracking Extensive crack raveling Occasional potholes Patches in fair/poor condition <i>Major Rehabilitation or Full-depth reconstruction</i>	Asphalt 2 Very poor Extensive drainage issues Moderate alligator cracking Frequent potholes Extensive rutting Extensive patches in poor condition Closely-spaced cracks, severe raveling <i>Full-depth reconstruction</i>	Asphalt 1 Failed Loss of surface integrity Deep, extensive potholes Differential settlement Severe rutting Extensive surface distress <i>Full-depth reconstruction</i>

As a general rule, “good” condition ratings are eligible for pavement preservation operations such as crack filling, intermittent partial depth pavement patching, or pothole repair. Meanwhile, if the condition falls to a “fair” rating, it is likely that the next maintenance interval will consist of a milling and overlay, or resurfacing improvement. If a condition falls to “poor”,



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chances are that structural repair or reconstruction of the roadway is necessary. Abbreviated descriptions of conditions and values used in this survey can be found below, with a full description of values in the attached Roadway Inventory Rating Template, provided herein.

Condition	Description	Value(s)
New	Newly or reconstructed pavement	10
Good	Like new or recently improved pavement	7-9
Fair	Aging pavement in need of maintenance or repair	4-6
Poor	Pavement in need of major maintenance or reconstruction	1-3

ANALYSIS OF CURRENT (2019) PAVEMENT CONDITIONS

Pavement condition ratings were assigned to all centerline miles of roadway pavement maintained by the Village. For organizational purposes, street segments were broken down by logical termini. The termini were created at logical points, based on one of the following conditions:

- Where the roadway classification or ADT changes,
- Where the cross section changes,
- Where condition rating changes,
- Where recent roadway maintenance begins/ends.

Each segment was assigned an ID number, as illustrated in the roadway inventory spreadsheet. Each roadway is assigned a length based on the surveyed length of the segment and associated condition. There are a total of 276 segments in the Village's roadway network.

In this report, roadway conditions are relatively ranked based on surface rating conditions. Below is the summary of the network in each category (Excellent, Good, Fair, Poor).

CONDITION RATING SUMMARY	PERCENT	LENGTH (MI)
1-3	53.24%	26.22
4-6	33.57%	16.54
7-9	8.54%	4.21
10	4.66%	2.30
TOTAL	100%	49.26



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Below is the breakdown of roadway conditions based on number of street segments in each surface rating condition and the percent of total length of surface condition in the entire Village street network (Figure 1).

Based on condition ratings for each roadway segment, 50% of street segments (by number) are rated as a 3 or lower, indicating that half of the street segments (by number) are generally in “Poor” condition.

Similarly, based on condition rating values expressed as percent of the total length of the network, nearly 53% of streets are rated as a 3 or lower, further supporting that roughly half of the street network (by length) is generally nearing “Poor” condition, with 47% rated as a 4 or higher, “Fair” or better condition.

By comparison, in 2012, 26% of the roadway network was in “Poor” condition and overall 64% of the network was rated a 5 or lower.

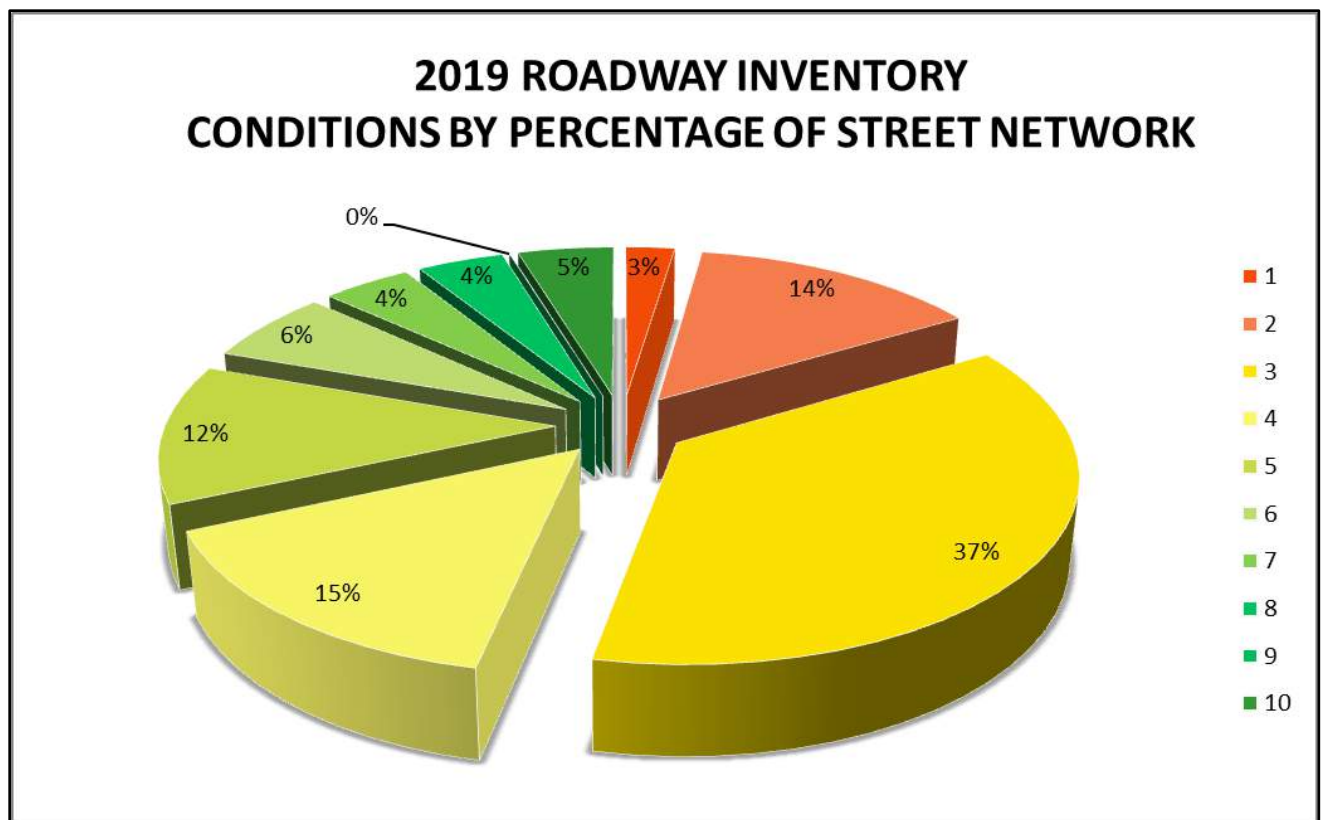


Figure 1 – Condition Ratings by Percent of Network Length



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

OVERALL PAVEMENT CONDITION DISTRIBUTION

The average rating for all road segments was calculated to be 4.0 at the time of evaluation. This value indicates the streets (by number) average just slightly lower than “Fair” condition.

More importantly, the average for all road rating values, based on length, was calculated to be 4.1 at the time of evaluation. This indicates the Network is generally just above “Fair” condition.

By comparison, in 2012, the average for all road rating values, based on length, was calculated to be 4.9 at the time of evaluation, thus indicating a decrease from 4.9 to 4.1 between 2012 and 2019.

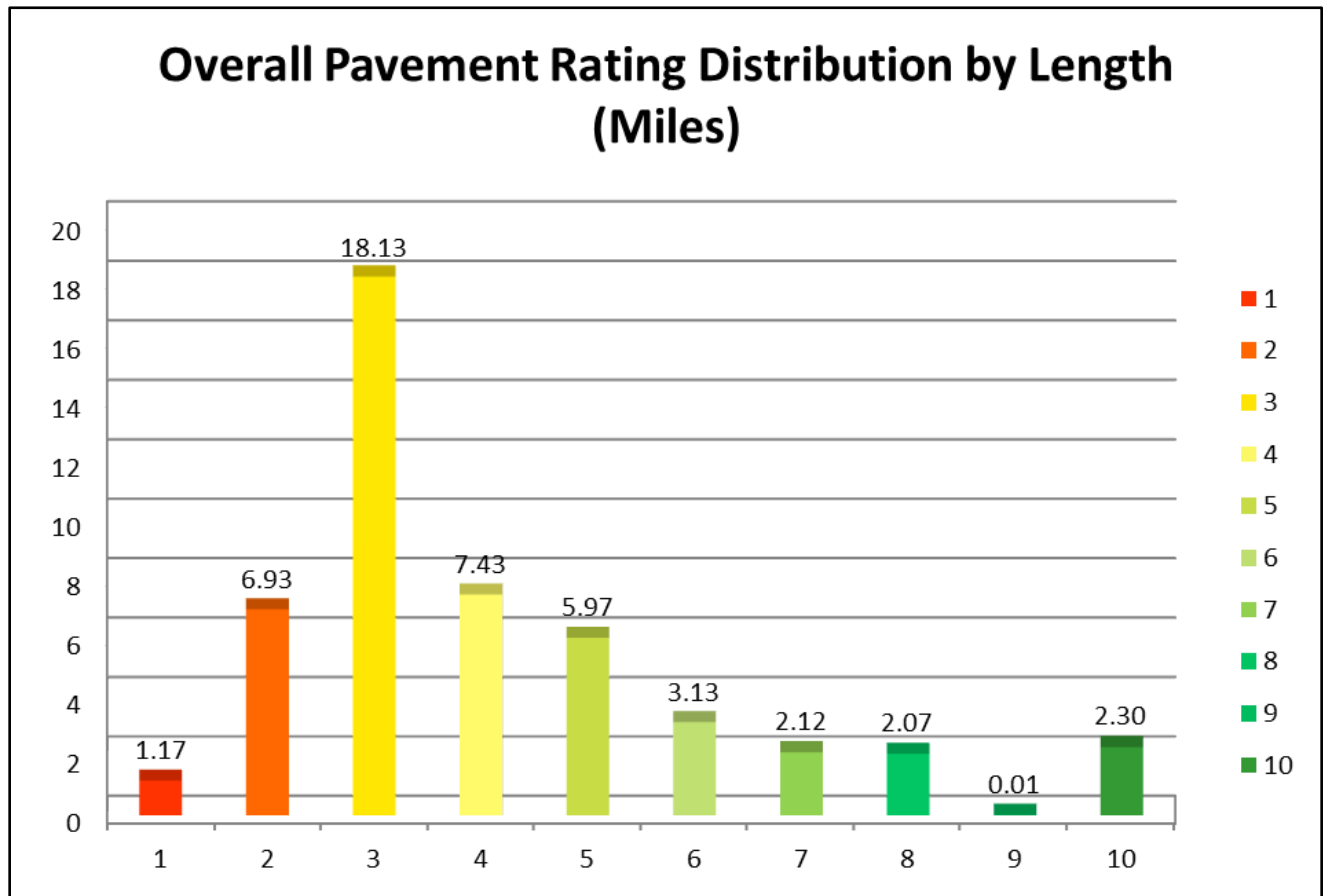


Figure 2 – Condition Ratings by Percent of Network Length



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

METHODS OF PAVEMENT PRESERVATION AND REHABILITATION

The majority of roadway pavements throughout the Village consist of a conventional hot-mix asphalt pavement over an aggregate base. Pavement cores have not been taken, but aggregate base is indicated through the behavior of the surface and the patterns of cracking.

Generally, there are three (3) common methods to consider for maintaining or rehabilitating conventional, flexible asphalt pavements.

Crack Sealing

Some HMA surface pavements are in good condition with minimal to moderate amounts of cracking and opening of joints. Crack-sealing is recommended as a cost-effective maintenance operation for pavement in this condition, in order to restrict the amount of water getting into the base where it can cause accelerated deterioration of the pavement.

The scope of work would include routing and cleaning all existing cracks or open joints and sealing with an appropriate sealing compound. Where necessary, localized pavement or surface failures would be patched to appropriate depth using HMA surface material.

Milling and Resurfacing

Milling and resurfacing is recommended for existing HMA pavements with moderate amounts of cracking, rutting, localized base failures, or other surface deterioration, but having a base that still provides adequate support overall.

The scope of work would include patching any failed areas of pavement, milling off a portion of the existing surface, typically 2-4 inches, and overlaying the remaining milled surface and base course with a course of leveling binder and a course of HMA surface. Curb and gutter, drainage structures, ADA sidewalk ramps at intersections, etc. would be repaired or replaced as necessary. Milling and resurfacing will typically provide 10-15 years of useful service life to the pavement before additional resurfacing or reconstruction is necessary.

Pavement Reconstruction

Full-depth pavement reconstruction is recommended for pavements that show evidence of extensive base failures to a degree that the base can no longer be considered as providing adequate support.

The scope of work would include removing the entire existing pavement section, to a depth of approximately 20 inches, and installing a new full depth pavement. We would generally recommend a pavement section consisting of 12 inches of aggregate base, 6 inches of HMA binder course, and 2 inches of HMA surface course, depending on the anticipated traffic loading, number of lanes, and roadway classification. Curb and gutter, drainage structures,



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ADA sidewalk ramps at intersections, etc. would be repaired, replaced, or newly installed as necessary.

COST ESTIMATING

Estimates of cost were prepared for all recommended resurfacing or reconstruction projects, which generally included streets that received a pavement condition rating of 6 or lower. Cost estimates for crack sealing were provided as appropriate, typically for streets at the 7 or higher range.

Estimated pricing was developed by analyzing recent bid results for similar projects within the region. Prices include a contingency factor for unknown costs and a factor for engineering design and construction observation costs, and these estimates may be considered as conservative.

The estimates of cost for street resurfacing improvements include some costs for adjusting, repairing, or replacing drainage structures. However, the estimates do not include costs for repairing or replacing the storm sewers other than making connections to new or reconstructed structures.

Full street reconstruction cost estimates include completely new base course, replacing all curb and gutter, widening as necessary, and replacement of drainage structures and the lateral storm sewer. No storm or sanitary main sewers or water main is included any of the cost estimates.

The preliminary estimates of costs provided here are for the purpose of developing annual and multi-year street improvement programs. Once a preliminary selection of streets has been made for a planned street improvement program, and the scope of the improvements have been further refined, detailed estimates of cost should be prepared that reflect the most recent knowledge of construction pricing and the specifics of each project.

PAVEMENT WIDENING

Many of the local streets in the Village are found to be narrow and substandard by typical standards (less than 24 feet edge to edge). Overly narrow pavement width causes restricted travel when vehicles are parked on one or both sides of the street, and makes it difficult for snow plows and emergency vehicles to use the street. None of the streets are currently being considered for widening by the Village, and as such we did not factor widening into the estimated costs for any resurfacing projects. For reconstruction projects, we have assumed at least 24 feet of pavement width and included costs for widening if necessary to meet this minimum width.



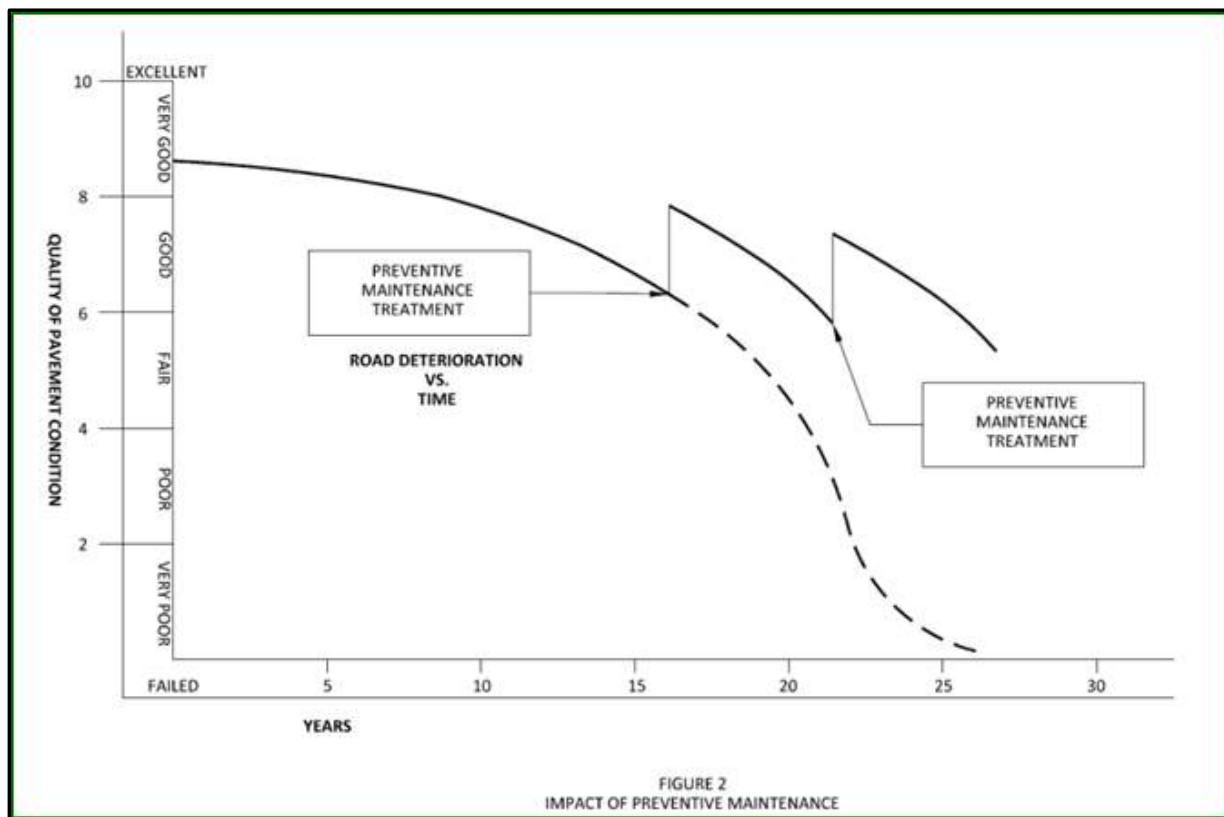
VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

REPAIRS TO VILLAGE UTILITIES: WATER, SEWER, STORM

We recommend that the Village reviews the history of water main breaks and sanitary and storm sewer repairs and improvements on any streets considered for inclusion in the street improvement program, to determine whether any utilities should be replaced prior to or concurrently with the street improvement projects.

5-YEAR ROAD REHABILITATION AND MAINTENANCE PROGRAMS

We look forward to building a Road Program to be implemented over the next 5 years. We anticipate that the annual budget will target the maintenance of poor streets and preservation of good streets. To prevent exponential deterioration later in the service life of a pavement, we recommend a budget allotment for annual crack sealing such that crack sealing occurs within 5 years of any pavement improvement such as reconstruction or resurfacing.



We will also work with the Village to develop any weighted scales (ADT/Traffic Priority, Business/Commercial Districts, Age, Proximity to adjacent projects, etc.) for prioritization of those streets in the recommended Road Program. Spreadsheets will be adjusted accordingly to display the relative ranking of pavement preservation needs.



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CONCLUSIONS

Based on condition rating values expressed as percent of the total length of the network, nearly 53% of streets are rated as a 3 or lower, further supporting that roughly half of the street network (by length) is generally nearing “Poor” condition, with 47% rated as a 4 or higher, “Fair” or better condition. The 2019 inventory data is summarized below:

CONDITION RATING SUMMARY	PERCENT	LENGTH (MI)
1-3	53.24%	26.22
4-6	33.57%	16.54
7-9	8.54%	4.21
10	4.66%	2.30
TOTAL	100%	49.26

The average roadway rating, based on length, is calculated to be 4.1 at the time of evaluation. This indicates the Network is generally just above “Fair” condition. By comparison with the 2012 inventory, the average for all road rating values, based on length, was calculated to be 4.9 at the time of evaluation, thus indicating a decrease from 4.9 to 4.1 between 2012 and 2019.

If we compare the data between 2012 and 2019, roadway conditions generally deteriorated system wide, with the exception of those improved or maintained by capital projects. Of the 276 street segments:

- Roughly 80 segments improved in rating,
- 160 segments decreased in rating,
- Approximately 36 stayed the same.

In summary, we recommend a balanced Road Program, one that addresses both good and poor pavements, rather than simply focusing on failed conditions first. It is recommended that expenditures are focused on areas that will improve, or raise, the Network average rating value. This generally requires cost-effective rehabilitation and preventative maintenance efforts to improve “Poor” roadways and maintain “Fair” or “Good” roadways.



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EXHIBITS

Appendix A: Roadway Inventory Rating Form

Appendix B: Roadway Inventory – Alphabetical Street List

Appendix C: Roadway Inventory – Street List, by Condition Rating

Appendix D: Location Map (Survey Area)

Appendix E: Street Rating Exhibits

Appendix F: Estimated Pavement Maintenance Unit Costs



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix A: Roadway Inventory Rating Form

GIS#:	Road Name:	From:	To:
NEW	Asphalt 10 New construction No defects Recent base improvement <i>No improvement necessary</i>		
GOOD	Asphalt 9 Like new condition Recent overlay <i>Improve with crack sealing</i>	Asphalt 8 Occasional transverse cracking Crack width tight (hairline) or sealed Few/no longitudinal cracks on joints Recent overlay <i>Improve with crack sealing</i>	Asphalt 7 Moderate transverse cracking Minimal crack widths Little/no crack erosion Little/no raveling No patches or patches in good condition <i>Improve with extensive crack sealing</i>
FAIR	Asphalt 6 Frequent transverse cracking Initial block cracking Moderate cracking widths Blocks are large and stable Slight polishing/flushing Slight crack raveling <i>Mill and overlay, full-depth pavement patching</i>	Asphalt 5 Secondary cracking (crack raveling) Moderate block cracking Longitudinal cracking at edge Severe crack widths Moderate crack raveling Extensive to severe flushing/polishing <i>Mill and overlay with full-depth pavement patching</i>	Asphalt 4 Longitudinal cracking in wheel paths Rutting Severe block cracking Extensive crack raveling Slight drainage issues <i>Structural overlay, full-depth pavement patching</i>
POOR	Asphalt 3 Moderate drainage issues Slight alligator cracking Moderate rutting Severe block cracking Extensive crack raveling Occasional potholes Patches in fair/poor condition <i>Full-depth reconstruction</i>	Asphalt 2 Extensive drainage issues Moderate alligator cracking Frequent potholes Extensive rutting Extensive patches in poor condition Closely-spaced cracks, severe raveling <i>Full-depth reconstruction</i>	Asphalt 1 Loss of surface integrity Deep, extensive potholes Differential settlement Severe rutting Extensive surface distress <i>Full-depth reconstruction</i>

Condition Rating: _____

Notes:



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix B: Roadway Inventory – Alphabetical Street List

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
269	2	3rd Ave.	Glen Ayre St	VILLAGE LIMITS	125	0.2	1056	16	7	2	↓ -5	LOCAL STREET	
270	2	3rd Ave.	VILLAGE LIMITS	END	271		0			3	→ 3	LOCAL STREET	
154	4	Adams Ave./St.	Rollins Rd	END/Lincoln	522	0.1	528	21	3	2	↓ -1	LOCAL STREET	
189	3	Alley	Eagle Point Rd	END	148		0			4	→ 4	LOCAL STREET	
89	5	Alley/Bennet Ln.	Forest Ave	END	364	0.1	528			1	→ 1	LOCAL STREET	
14	10	Appaloosa Ln.	Sundial Ln	Carriage Ln	1727	0.4	2112	24	7	7	→ 0	LOCAL STREET	
215	5	Arlington Ln.	US-12	END	1052	0.2	1056	21	4	2	↓ -2	LOCAL STREET	
183	3	Arlington Rd.	Eagle Point Rd	Lake Ln	741	0.2	1056	21	4	6	→ 2	LOCAL STREET	
87	7	Arthur Ave.	Forest Ave	END	793	0.2	1056			2	→ 2	LOCAL STREET	
129	5	Atwater Pkwy	Grand Ave	END	956	0.2	1056	21	4	2	↓ -2	LOCAL STREET	
32	9	Balsam Ct.	Hickory St	Cul de Sac	342	0.1	528	24	6	5	↓ -1	LOCAL STREET	
195	3	Bay Ln.	Bay Rd	END	74	0.1	528	25	4	4	→ 0	LOCAL STREET	
194	3	Bay Rd.	Eagle Point Rd	Bay Ln	1201	0.3	1584	25	4	3	↓ -1	LOCAL STREET	
27	9	Birch St.	Hickory St	Cedar St	773	0.1	528	24	7	5	↓ -2	LOCAL STREET	
249	1	Blue Springs Dr.	Bayou Ct	Blue Springs Dr	3293		0	24	8	4	↓ -4	LOCAL STREET	
45	8, 9	Brightwater Dr.	W. Grass Lake Dr	W. Grass Lake Dr	1266		0	24	6	5	↓ -1	LOCAL STREET	
245	1	Cambridge Pkwy	IL-134	Blue Springs Dr	1141		0	27	8	4	↓ -4	LOCAL STREET	
16	10	Carriage Ln	Country Shire Ln	Morgan Cir	4852	0.9	4752	24	7	6	↓ -1	LOCAL STREET	
60	7	Castle Rd.	Kingston Blvd	Fortress Dr	1066	0.2	1056	20	5	2	↓ -3	LOCAL STREET	
85	7	Cathryn St.	Arthur Ave	Forest Ave	543	0.1	528	17	10	5	↓ -5	LOCAL STREET	
112	5, 6	Cedar Ave.	N. Lake Ave	Lippincott Rd	597	0.1	528	21	5	4	↓ -1	LOCAL STREET	
28	9	Cedar St.	Hickory St	END	120		0			1	→ 1	LOCAL STREET	
26	9	Cedar St.	Cul de Sac	END	2148		0	24	6	3	↓ -3	LOCAL STREET	
147	4	Center St.	Shady Ln	Lindy St	737	0.2	1056	20	4	2	↓ -2	LOCAL STREET	
205	2	Channel Ln.	Knollwood Rd S.	Knollwood Rd S.	440		0	16	4	2	↓ -2	LOCAL STREET	
11	5	Chelsey Ct.	Morgan Cir	Cul de Sac	395		0	24	7	8	→ 1	LOCAL STREET	
221	2	Cherry Ln.	Frontage Rd	Cul de Sac	316	0.5	2640	24	6	3	↓ -3	LOCAL STREET	
6	11	Chestnut Ridge	Sundial Ln	Country Shire Ln	477	0.2	1056	24	7	6	↓ -1	LOCAL STREET	
216	2	Chris Larkin Rd.	Frontage Rd	END	2372	0.5	2640	24	3	6	→ 3	LOCAL STREET	
228	3	Christopher Way	Sayton Rd	END	605	0.1	528	23	6	4	↓ -2	LOCAL STREET	
10	10	Churchill Ct./Unknown Road	Morgan Cir	Cul de Sac	472		0	24	7	8	→ 1	LOCAL STREET	
212	3	Circle Dr.	Pistakee Pkwy	Pistakee Pkwy	411	0.1	528	21	7	4	↓ -3	LOCAL STREET	
142	5	Columbia Ave.	Medinah St	END	311	0.1	528	18	4	1	↓ -3	LOCAL STREET	
1	13	Converse Rd.	VILLAGE LIMITS	END	1110		0			8	↑ 8	LOCAL STREET	
84	7	Cora Ave.	END	END	901	0.3	1584	25	5	3	↓ -2	LOCAL STREET	
100	5	Cora Ave.	END	END	445		0			4	→ 4	LOCAL STREET	
143	5	Cottage Ave.	Medinah St	END	95	0.1	528	20	4	4	→ 0	LOCAL STREET	
15	10, 11	Country Shire Ln.	Carriage Ln	Carriage Ln	8254	1.6	8448	24	7	5	↓ -2	LOCAL STREET	
43	8	Coventry Ave.	N. State Park Rd	VILLAGE LIMITS	182		0			5	↑ 5	LOCAL STREET	
187	3	Covington Rd.	Lake Ln	Eagle Point Rd	760	0.2	1056	23	8	6	↓ -2	LOCAL STREET	
206	2, 4	Crestview Dr.	IL-59	END	1771	0.4	2112	22	5	2	↓ -3	LOCAL STREET	
196	3	Cross St.	Bay Rd	Hilldale Rd	417	0.2	950	21	3	6	→ 3	LOCAL STREET	
252	1	Crystal Springs Ct.	Cambridge Pkwy	Cul de Sac	759		0	24	8	5	↓ -3	LOCAL STREET	
178	5	Cypress Ave.	Woodland Ave	Grand Ave	650	0.1	528	21	4	2	↓ -2	LOCAL STREET	
17	9	Deer Run	State Park Rd	Cul de Sac	1548	0.2	1056	24	7	3	↓ -4	LOCAL STREET	
42	8	Deerpath Ct.	Westshore Dr	Cul de Sac	856	0.2	1056	22	2	7	↑ 5	LOCAL STREET	

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
226	3	Dena Ave.	Rollins Rd	END	41	0.1	528	22	8	4	↓ -4	LOCAL STREET	
148	4, 6	Devlin Rd.	Grand Ave	Rollins Rd	3192	0.6	3168	24	5	3	↓ -2	LOCAL STREET	
39	8	Dunns Ct.	Eastshore Dr	Cul de Sac	271	0.1	528	22	3	3	→ 0	LOCAL STREET	
247	1	E. Bayou Ct.	Blue Springs Dr	Cul de Sac	727		0	24	8	5	↓ -3	LOCAL STREET	
286	6	E. Grand Ave	Rushmore Rd	IL-59	880	0.2	1056			2	→ 2	LOCAL STREET	
291	5	E. Grand Ave	US-12	Nippersink Blvd	603	0.1	528	34		3	→ 3	LOCAL STREET	
271	5, 6	E. Grand Ave	Nippersink Blvd	Rushmore Rd	6544	1.2	6336	34	4	10	↑ 6	Minor Arterial (Urban)	0169
98	5	E. Oak St.	US-12	Forest Ave	1283	0.2	1056	31	4	3	↓ -1	Collector (Urban) MAJOR	0150
107	5	E. School Ct.	Forest Ave	Grand Ave	187		0	48	4	4	→ 0	LOCAL STREET	
19	9	E. State Park Rd.	Deer Run	END	298		0	23	5	4	↓ -1	LOCAL STREET	
190	3	Eagle Point Rd.	US-12	END	4454	0.9	4752	22	5	3	↓ -2	LOCAL STREET	
38	8, 9	Eastshore Dr.	Grass Lake Rd	Cul de Sac	1260	0.3	1584	22	4	4	→ 0	LOCAL STREET	
82	7	Edison Ct.	Forest Ave	Cora Ave	253	0.1	528	14	4	2	↓ -2	LOCAL STREET	
163	4, 5	Elm Ave.	Grand Ave	Rollins Rd	2609	0.5	2640	14	2	3	→ 1	Collector (Urban) MINOR	0155
29	9	Elm St.	Hickory St	END (N. Shore Dr)	133		0	20	4	1	↓ -3	LOCAL STREET	
3	12	English Prairie Rd.	Wilmot Rd	VILLAGE LIMITS	1843	0.4	2112	20	3	8	↑ 5	LOCAL STREET	
94	5	Ernest Ave.	Forest Ave	END	558	0.2	1056	32	4	3	↓ -1	LOCAL STREET	
31	9	Evergreen Ct.	Hickory St	Cul de Sac	366	0.1	528	24	7	5	↓ -2	LOCAL STREET	
186	3	Fairfax Rd.	Eagle Point Rd	Lake Ln	755	0.2	1056	23	7	4	↓ -3	LOCAL STREET	
123	6	Fern Pl.	Lippincott Rd	END	303	0.1	528	17	5	3	↓ -2	LOCAL STREET	
86	5, 7	Forest Ave.	Grand Ave	END	4928	0.9	4752	26	5	3	↓ -2	Collector (Urban) MAJOR	0148
61	7	Fortress Dr.	Castle Rd	Hooks Ln	1343	0.3	1584	20	4	3	↓ -1	LOCAL STREET	
65	7	Fortress Dr.	Monterrey Terr	Cul de Sac	320		0			3	→ 3	LOCAL STREET	
157	4	Fossil Dr.	Washington St	END	953	0.2	1056	20	3	2	↓ -1	LOCAL STREET	
238	2	Fox Trail	Hollow Way	Cul de Sac	621	0.2	1056	27	6	4	↓ -2	LOCAL STREET	
207	2	Frazier Ct.	Crestview Dr	END	379	0.1	528	19	4	3	↓ -1	LOCAL STREET	
231	2, 3	Frontage Rd.	US-12	IL-59	2772	4.2	22176			3	→ 3	LOCAL STREET	
237	2	Frontage Rd.	IL-59	VILLAGE LIMITS	2553		0			3	→ 3	LOCAL STREET	
258	1	Frontage Rd.	W. Nippersink Rd	IL-134	801		0			3	→ 3	LOCAL STREET	
262	1	Frontage Rd.	W. Hartigan Rd	END	526		0			3	→ 3	LOCAL STREET	
264	1, 2	Frontage Rd.	W. Big Hollow Rd	VILLAGE LIMITS	1953		0			3	→ 3	LOCAL STREET	
265	2, 3	Frontage Rd.	US-12	VILLAGE LIMITS	3797		0			3	→ 3	LOCAL STREET	
266	3	Frontage Rd.	Kings Rd	US-12	1896		0			3	→ 3	LOCAL STREET	
230	3	Frontage Rd.	Sayton Rd	US-12	1899		0			4	→ 4	LOCAL STREET	
259	1	Frontage Rd.	W. Nippersink Rd	END	527		0			4	→ 4	LOCAL STREET	
263	1	Frontage Rd.	W. Hartigan Rd	W. Big Hollow Rd	2221		0			10	↑ 10	LOCAL STREET	
153	4	Garfield Rd.	Devlin Rd	Madison Ave	1937	0.4	2112	21	3	2	↓ -1	LOCAL STREET	
106	5	Glen Ave.	Forest Ave	North Ave	963	0.2	1056	18	4	6	→ 2	LOCAL STREET	
134	5	Glenview Ave.	Grand Ave	END	363	0.5	2640			5	↑ 5		
128	5	Glenview Pl.	Grand Ave	END	336	0.1	528	13	4	2	↓ -2	LOCAL STREET	
92	5	Grace Ave.	Grand Ave	McKinley Ave	217	0.1	528	30	9	3	↓ -6	LOCAL STREET	
95	5	Grace Ave.	South St	Ernest Ave	287		0	30	9	4	↓ -5	LOCAL STREET	
149	4, 6	Hawthorne Ln.	Grand Ave	Woodlock St	1328	0.3	1584	31	5	7	→ 2	LOCAL STREET	
115	5, 6	Hazel Ave.	N. Lake Ave	Lippincott Rd	430	0.1	528	21	3	3	→ 0	LOCAL STREET	
7	10	Heather Ridge	Chestnut Ridge	Carriage Ln	1700	0.3	1584	24	7	7	→ 0	LOCAL STREET	
122	6	Hellios Ct.	Lippincott Rd	Cul de Sac	217	0.1	528	24	4	3	↓ -1	LOCAL STREET	
55	6	Henry Ct.	Point Pl	Cul de Sac	308	0.1	528	24	4	3	↓ -1	LOCAL STREET	
105	5	Highland Ave.	Glen Ave	END	261	0.1	528	16	2	6	→ 4	LOCAL STREET	

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
177	3, 5	Highview Ave.	Grand Ave	Rollins Rd	1670	0.5	2640	22	7	4	↓ -3	LOCAL STREET	
138	5	Hill Rd.	Troy St	S. York St	698	0.2	1056	18	3	3	→ 0	LOCAL STREET	
180	3, 5	Hillcrest Ave.	Cypress Ave	Rollins Rd	1426	0.3	1584	21	5	3	↓ -2	LOCAL STREET	
197	3	Hilldale Rd.	Scenic Ln	END	1132	0.2	1056	27	3	5	→ 2	LOCAL STREET	
104	5	Hillside Ave.	Glen Ave	END	207	0.1	528	1985		2	→ 2	LOCAL STREET	
102	5	Hillside Ave.	North Ave	END	166		0	18	4	7	→ 3	LOCAL STREET	
81	7	Hillside Ct.	Forest Ave	Cul de Sac	406	0.1	528	15	10	4	↓ -6	LOCAL STREET	
174	5	Hillside Dr.	Rollins Rd	Rose Ave	525	0.2	1056	25	7	4	↓ -3	LOCAL STREET	
69	5	Hilltop Ave.	US-12	END	570	0.2	1056	19	5	3	↓ -2	LOCAL STREET	
244	1, 2	Hollow Way	Frontage Rd	Cul de Sac	3407	0.7	3696	26	5	3	↓ -2	LOCAL STREET	
285	3	Honing Rd.	"ALERT SCREW"	END	522	0.2	1056		5	1	↓ -4	LOCAL STREET	
224	3	Honing Rd.	Sayton Rd	"ALERT SCREW"	526		0	28	5	5	→ 0	LOCAL STREET	
66	7	Hooks Ln.	Castle Rd	Kingston Blvd	717	0.2	1056	20	5	4	↓ -1	LOCAL STREET	
73	7	Howard Ave.	Howard Ct	Forest Ave	330	0.1	528	21	4	6	→ 2	LOCAL STREET	
76	7	Howard Ct.	Forest Ave	Forest Ave	487	0.1	528			5	↑ 5	LOCAL STREET	
75	7	Howard Ct.	Wilmington Ave	END	379		0			7	↑ 7	LOCAL STREET	
225	3	Industrial Ave.	Sayton Rd	END	586	0.6	3168	22	7	5	↓ -2	LOCAL STREET	
229	3	Jack Frost Ln.	US-12	END	144	0.1	528	24	3	3	→ 0	LOCAL STREET	
4	12	James Rd.	Wilmot Rd	END	1877	0.4	2112	23	2	3	→ 1	LOCAL STREET	
155	4	Jefferson St.	Lincoln Ave	Rollins Rd	588	0.2	1056	21	3	2	↓ -1	LOCAL STREET	
162	4	Jefferson St.	Rollins Rd	Whitten Ave	607		0		3	4	→ 1	LOCAL STREET	
246	1	Key Largo Dr.	Blue Springs Dr	Blue Springs Dr	865		0	24	8	5	↓ -3	LOCAL STREET	
131	5	Keystone Ave.	Grand Ave	END	1070	0.2	1056	22	3	2	↓ -1	LOCAL STREET	
208	3	Kings Rd.	US-12	END	1071	0.2	1056	21	4	2	↓ -2	LOCAL STREET	
62	7	Kingston Blvd.	Broadway	Fortress Dr	2712	0.5	2640			3	→ 3	LOCAL STREET	
201	4	Knollwood Rd.	Il-59	Oak Ln	691	0.2	1056	16	3	2	↓ -1	LOCAL STREET	
204	2, 4	Knollwood Rd. (S)	Knollwood Rd	END	1234	0.2	1056	16	3	2	↓ -1	LOCAL STREET	
250	1	Lagoon Ct.	Blue Springs Dr	Cul de Sac	276	0.1	528	24	8	6	↓ -2	LOCAL STREET	
214	5	Lagoon Rd.	US-12	END	898		0	21	5	3	↓ -2	LOCAL STREET	
188	3	Lake Ln.	Eagle Point Rd	END	357	0.2	1056	11	8	3	↓ -5	LOCAL STREET	
184	3	Lake Ln.	Tremont Rd	Arlington Rd	690		0	11	8	4	↓ -4	LOCAL STREET	
209	3	Lakeland Ave.	Kings Rd	END	310	0.1	528	21	5	1	↓ -4	LOCAL STREET	
210	3	Lakeland Ave.	Kings Rd	Pistakee Pkwy	626		0	21	5	5	→ 0	LOCAL STREET	
127	5	Lakeside Ln.	Grand Ave	Cul de Sac	1045	0.3	1584	15	4	2	↓ -2	LOCAL STREET	
78	7	Lakeside Rd.	Forest Ave	Waltonian Terr	279		0			4	→ 4	LOCAL STREET	
77	7	Lakeview Ave.	Forest Ave	END	448	0.1	528	27	10	6	↓ -4	LOCAL STREET	
103	5	Lakewood Ave.	Glen Ave	END	439	0.1	528	18	3	7	→ 4	LOCAL STREET	
5	11	Laurine Ct.	Country Shire Ln	Cul de Sac	170	0.1	528	24	7	6	↓ -1	LOCAL STREET	
80	7	Lawrence Ave.	Forest Ave	END	341	0.1	528	12	2	6	→ 4	LOCAL STREET	
172	3	Lilac Ave.	Pine Ave	END	170	0.1	528	21	5	3	↓ -2	LOCAL STREET	
175	5	Lilac Ave.	Rose Ave	END	239		0			3	→ 3	LOCAL STREET	
150	4	Lincoln Ave.	Washington St	END	1251	0.3	1584	24	3	2	↓ -1	LOCAL STREET	
49	8	Lincolnwood Ct.	N. Forest Ave	Cul de Sac	891	0.2	1056	24	4	3	↓ -1	LOCAL STREET	
113	5	Linden Ave.	N. Lake Ave	Grand Ave	571	0.1	528	20	6	4	↓ -2	LOCAL STREET	
145	4	Lindy St.	Woodlock St	Devlin Rd	996	0.2	1056	20	4	3	↓ -1	LOCAL STREET	

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120	6	Lippincott Ln.	N. Rushmore Rd	END	1135	0.3	1584	22	6	4	↓ -2	LOCAL STREET	
124	6	Lippincott Rd.	Grand Ave	Lippincott Ln	2558	0.5	2640	22	6	4	↓ -2	LOCAL STREET	
59	7	Livingston St.	Kingston Blvd	Cul de Sac	1367	0.3	1584	20	3	4	→ 1	LOCAL STREET	
151	4	Madison Ave.	Garfield Rd	(North) END	390	0.2	1056	21	3	3	→ 0	LOCAL STREET	
33	9	Magnolia Ct.	Hickory St	Cul de Sac	317	0.1	528	24	6	5	↓ -1	LOCAL STREET	
23	9	Main Street	Main St	State Park Rd	353		0	23	3	8	↑ 5	LOCAL STREET	
41	8	Mallard Ct.	Westshore Dr	Cul de Sac	419	0.1	528	22	2	6	→ 4	LOCAL STREET	
191	3	Manor Ave.	Eagle Point Rd	END	847	0.2	1056	22	5	4	↓ -1	LOCAL STREET	
193	3	Manor Ln.	Manor Ave	END	367	0.1	528	22	5	5	→ 0	LOCAL STREET	
121	6	Mark Ln.	Lippincott Ln	END	205	0.1	528	22	4	4	→ 0	LOCAL STREET	
97	5	Marvin St.	E. Oak St	South St	662	0.2	1056	26	10	4	↓ -6	LOCAL STREET	
158	4	Mastadon Dr.	END	END	569	0.1	528	32	3	3	→ 0	LOCAL STREET	
182	3	Matts Rd.	Eagle Point Rd	END	895	0.2	1056	21	6	4	↓ -2	LOCAL STREET	
83	7	Maude Ave.	Forest Ave	Cora Ave	476	0.1	528	22	4	3	↓ -1	LOCAL STREET	
91	5	McKinley Ave.	E. Oak St	Ernest Ave	1154	0.3	1584	40	8	3	↓ -5	LOCAL STREET	
70	5	Meade Ct.	N. Pistakee Lake Rd	US-12	566	0.1	528	39	3	7	→ 4	LOCAL STREET	
136	5	Medinah St.	S. Holly Ave	END	788	0.1	528	24	5	2	↓ -3	LOCAL STREET	
159	4	Monroe Ave.	Rollins Rd	END	900	0.2	1056	21	3	3	→ 0	LOCAL STREET	
64	7	Monterrey Ter.	Broadway	Fortress Dr	2384	0.5	2640	26	5	3	↓ -2	LOCAL STREET	
9	10	Morgan Cir.	Carriage Ln	Carriage Ln	3837	0.8	4224	24	7	8	→ 1	LOCAL STREET	
48	8	N. Forest Ave.	W. Grass Lake Rd	VILLAGE LIMITS	814		0	22	3	5	→ 2	LOCAL STREET	
281	9	N. Hickory St.	Birch St	Cedar St	988	0.2	1056			1	→ 1	LOCAL STREET	
35	9	N. Hickory St.	W. Grass Lake Rd	Birch St	1777	0.4	2112	24	6	4	↓ -2	LOCAL STREET	
133	5	N. Holly Ave.	Grand Ave	Cul de Sac	1379	0.3	1584	27	5	3	↓ -2	LOCAL STREET	
44	9	N. Jackson Dr.	Cul de Sac	VILLAGE LIMITS	159		0	15	3	1	↓ -2	LOCAL STREET	
125	5, 6	N. Lake Ave.	Grand Ave	END	1879	0.4	2112	21	5	3	↓ -2	LOCAL STREET	
47	8, 9	N. Lake Shore Dr.	W. Grass Lake Dr	VILLAGE LIMITS	2485	0.4	2112	22	3	5	→ 2	LOCAL STREET	
126	5	N. Maple Ave.	Grand Ave	END	317	0.1	528	18	5	4	↓ -1	LOCAL STREET	
36	9	N. Oak St.	W. Grass Lake Rd	END	416	0.1	528	16	4	3	↓ -1	LOCAL STREET	
253	1	N. Oakside Ave.	VILLAGE LIMITS	END	246		0	15	1	8	↑ 7	LOCAL STREET	
254	1	N. Oakside Ave.	VILLAGE LIMITS (NORTH)	VILLAGE LIMITS (SOUTH)	64		0			9	↑ 9	LOCAL STREET	
282	5	N. Pistakee Lake Rd.	Hilltop Ave	US-12	625	0.3	1584			3	→ 3	LOCAL STREET	
68	5	N. Pistakee Lake Rd.	Grand Ave	Hilltop Ave	997	0.3	1584	36	3	7	→ 4	LOCAL STREET	
114	6	N. Poplar Ave.	Grand Ave	Hazel Ave	1166	0.3	1584	22	5	3	↓ -2	LOCAL STREET	
278	2	N. Randhill Dr.	W. Bayview Dr	VILLAGE LIMITS	307		0	23	7	4	↓ -3	LOCAL STREET	
118	6	N. Rushmore Rd.	Lippincott Ln	Rushmore Rd	1724	0.3	1584	21	3	2	↓ -1	LOCAL STREET	
30	9	N. Shore Dr.	Cedar St	END	528	0.1	528	14	2	1	↓ -1	LOCAL STREET	
279	1	N. Stanley Rd.	W. Hartigan Rd	VILLAGE LIMITS	973		0	23	4	2	↓ -2	LOCAL STREET	
56	6	N. Stanton Point Rd.	Grand Ave	END	756		0	21	4	3	↓ -1	LOCAL STREET	
21	9	N. State Park Rd.	Golf View Dr	State Park Rd	1220		0	23	6	5	↓ -1	LOCAL STREET	
130	5	N. York St.	Grand Ave	END	692	0.2	1056	24	4	2	↓ -2	LOCAL STREET	
99	5	Nippersink Blvd.	Grand Ave	E. Oak St	1476	0.8	4224	19	5	2	↓ -3	Collector (Urban) MINOR	0149
288	5	Nippersink Blvd.	E. Oak St	State Park Rd (COUNTY)	1002	0.6	3168	19	5	3	↓ -2	LOCAL STREET	
101	5	North Ave.	Forest Ave	Cora Ave	1066	0.2	1056	23	5	4	↓ -1	LOCAL STREET	
202	4	Oak Ln.	Park Ln	Knollwood Rd	407	0.1	528	16	6	3	↓ -3	LOCAL STREET	
289	5	Oak St.	Medinah St	END	225	0.1	528	39	4	2	↓ -2	Collector (Urban) MAJOR	0150
116	6	Orchard Pl.	Lippincott Rd	Tweed Rd	500	0.1	528	36	5	4	↓ -1	LOCAL STREET	
213	3	Park Ave.	Kings Rd	Cul de Sac	981	0.2	1056	21	5	2	↓ -3	LOCAL STREET	
2	13	Park Ave.	VILLAGE LIMITS	END	94		0			8	↑ 8	LOCAL STREET	

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203	4	Park Ln.	Knollwood Rd	END	690	0.2	1056	16	6	3	↓ -3	LOCAL STREET	
18	9	Park View Cir.	Deer Run	Deer Run	877	0.2	1056	24	7	5	↓ -2	LOCAL STREET	
176	3	Pine Ave.	Rose Ave	Hillcrest Ave	1336	0.5	2640	20	6	3	↓ -3	LOCAL STREET	
165	4	Pine Ave.	S. Maple Ave	Elm Ave	927		0	20	6	4	↓ -2	LOCAL STREET	
211	3	Pistakee Pkwy.	Circle Dr	END	284	0.1	528	21	7	5	↓ -2	LOCAL STREET	
90	5	Pleasant Oak Ct.	E. Oak St	END	231	0.1	528	23	9	3	↓ -6	LOCAL STREET	
54	6	Point Pl.	N. Stanton Point Rd	Cul de Sac	434	0.1	528	24	7	4	↓ -3	LOCAL STREET	
290	3	Precision Drive	Honing Rd	END	219	0.1	528	30		4	→ 4	LOCAL STREET	
243	2	Quail Path	Hollow Way	END	359	0.1	528	27	7	3	↓ -4	LOCAL STREET	
239	2	Rabbit Run	Fox Trail	Cul de Sac	1184	0.3	1584	27	5	3	↓ -2	LOCAL STREET	
161	4	Rainier Way	Rollins Rd	Rainier Way (PRIVATE)	303	0.2	1056			4	→ 4	LOCAL STREET	
137	5	Rand Ave.	S. York St	Medinah St	377	0.1	528	20	4	1	↓ -3	LOCAL STREET	
34	9	Redwood Ct.	Hickory St	Cul de Sac	279	0.1	528	24	6	5	↓ -1	LOCAL STREET	
181	3, 5	Ridgeland Ave.	Rollins Rd	END	978	0.2	1056	21	6	4	↓ -2	LOCAL STREET	
53	7	Riverside Island Dr.	US-12	END	1108	0.2	1056	21	5	4	↓ -1	LOCAL STREET	
88	5	Riverview Ave.	Nippersink Blvd	Forest Ave	1035	0.2	1056	23	10	5	↓ -5	LOCAL STREET	
93	5	Rolland Pl.	Nippersink Blvd	Grace Ave	317	0.3	1584	34	10	5	↓ -5	LOCAL STREET	
173	3, 5	Rose Ave.	Rollins Rd	Hillside Dr	642	0.1	528	25	7	3	↓ -4	LOCAL STREET	
119	6	Rushmore Rd.	Grand Ave	END	1401	0.3	1584	19	3	3	→ 0	LOCAL STREET	
169	4, 5	S. Hickory Ave.	Grand Ave	Rollins Rd	2149	0.5	2640	23	7	4	↓ -3	LOCAL STREET	
135	5	S. Holly Ave.	Rollins Rd	Grand Ave	1241	0.3	1584	23	3	2	↓ -1	LOCAL STREET	
164	4, 5	S. Lake Ave.	Grand Ave	Pine Ave	574	0.2	1056	20	6	3	↓ -3	LOCAL STREET	
168	4	S. Lake Ave.	Spruce Ave	END	490		0			3	→ 3	LOCAL STREET	
170	4	S. Maple Ave.	Rollins Rd	END	471	0.3	1584	23	3	2	↓ -1	LOCAL STREET	
166	4, 5	S. Maple Ave.	Grand Ave	END	906		0	23	3	3	→ 0	LOCAL STREET	
67	5	S. Pistakee Lake Rd	Grand Ave	END	875		0	24	3	8	↑ 5	LOCAL STREET	
141	5	S. York St.	Grand Ave	Hill Rd	761	0.2	1056	20	4	2	↓ -2	LOCAL STREET	
284	3	Sayton Rd.	Industrial Ave	US-12	1662		0			3	→ 3	Collector (Urban) MAJOR	0152
223	3, 5	Sayton Rd.	US-12	Industrial ave	2081	0.7	3696	26	3	10	↑ 7	Collector (Urban) MAJOR	0152
227	3	Sayton Rd.	Rollins Rd	Sayton Rd	165		0			10	↑ 10	LOCAL STREET	
198	3	Scenic Ln.	Scenic Rd	Hilldale Rd	142	0.2	792	21	4	4	→ 0	LOCAL STREET	
199	3	Scenic Rd.	Cross St	Scenic Ln	620	0.2	1162	21	3	7	→ 4	LOCAL STREET	
251	1	Scott Ct.	Cambridge Pkwy	Cul de Sac	626		0	24	8	5	↓ -3	LOCAL STREET	
146	4	Shady Ln.	Center St	Devlin Rd	464	0.1	528	20	3	2	↓ -1	LOCAL STREET	
140	5	Siloam Ave.	END	END	356	0.1	528	18	4	3	↓ -1	LOCAL STREET	
72	5	Skillen Ln.	Grand Ave	END	376	0.1	528	15	5	3	↓ -2	LOCAL STREET	
96	5	South St.	Marvin St	McKinley Ave	328	0.1	528	22	9	4	↓ -5	LOCAL STREET	
200	2, 4	Spring Rd.	Knollwood Rd	END	2412	0.5	2640	16		2	→ 2	LOCAL STREET	
171	3	Spruce Ave.	Hillcrest Ave	END	490	0.3	1584	19	6	3	↓ -3	LOCAL STREET	
167	4	Spruce Ave.	Elm Ave	END	777		0	19	6	5	↓ -1	LOCAL STREET	
20	9	State Park Rd.	N. State Park Rd	Deer Run	1069	0.7	3696	31	6	4	↓ -2	LOCAL STREET	
22	9	State Park Road	Golf View Dr	State Park Rd	454		0	23	6	5	↓ -1	LOCAL STREET	
13	11	Steeple Ct.	Sundial Ln	Cul de Sac	366	0.1	528	24	7	5	↓ -2	LOCAL STREET	
12	10, 11	Sundial Ln.	Wilmot Rd	END	2254	0.5	2640	24	7	7	→ 0	LOCAL STREET	
8	10	Surrey Ct.	Country Shire Ln	Cul de Sac	241	0.1	528	24	7	8	→ 1	LOCAL STREET	
25	9	Sycamore Ct.	Cedar St	Cul de Sac	348	0.1	528	24	7	5	↓ -2	LOCAL STREET	

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110	5	Thillen Dr.	Keystone Ave	Holly Ave	439	0.1	528	24	5	4	↓ -1	LOCAL STREET	
257	1	Thomas Ln.	W. Nippersink Rd	END	721		0	29	8	5	↓ -3	LOCAL STREET	
185	3	Tremont Rd.	Lake Ln	Eagle Point Rd	631	0.1	528	23	6	5	↓ -1	LOCAL STREET	
139	5	Troy St.	Siloam Ave	END	360	0.1	528	18	3	2	↓ -1	LOCAL STREET	
37	9	Trudy Ln.	Cul de Sac	Cul de Sac	108	0.1	528	18	4	4	→ 0	LOCAL STREET	
117	6	Tweed Rd.	Grand Ave	Lippincott Ln	2298	0.5	2640	24	4	3	↓ -1	LOCAL STREET	
192	3	Union Ave.	Manor Ave	END	198	0.1	528	24	5	5	→ 0	LOCAL STREET	
132	5	Unnamed	Holly Ave	END	136		0			3	→ 3	LOCAL STREET	
261	1	Unnamed (Frontage)	VILLAGE LIMITS	END	600		0	21		5	↑ 5	LOCAL STREET	
111	5	Venice Ave.	Holly Ave	END	185	0.1	528	20	3	3	→ 0	LOCAL STREET	
50	8	Viscaya Dr.	W. Grass Lake Rd	Cul de Sac	966	0.2	1056	24	5	3	↓ -2	LOCAL STREET	
248	1	W. Bayou Ct.	Blue Springs Dr	Cul de Sac	477		0	24	8	5	↓ -3	LOCAL STREET	
277	2	W. Bayview Dr.	Frontage Rd	VILLAGE LIMITS	411		0	23	7	5	↓ -2	LOCAL STREET	
51	8	W. Benjamin Ave.	VILLAGE LIMITS	END	2092	0.5	2640	20	3	2	↓ -1	LOCAL STREET	
267	2	W. Glen Ayre St.	Frontage Rd	VILLAGE LIMITS	438	0.1	528	24	7	4	↓ -3	LOCAL STREET	
24	9	W. Golf View Dr.	N. State Park Rd	END	1471	0.4	2112			8	↑ 8	LOCAL STREET	
71	5	W. Grand Ave.	US-12	END	842	0.2	1056	18	2	3	→ 1	Collector (Urban)	
46	9	W. Grass Lake Dr.	N. Lake Shore Dr	END	1258	0.3	1584	22	3	6	→ 3	LOCAL STREET	
52	8	W. Greenleaf Pl.	W. Benjamin Ave	END	257	0.1	528	16	3	3	→ 0	LOCAL STREET	
287	1	W. Hartigan Rd.	N. Stanley Rd	VILLAGE LIMITS	517	0.2	1056			1	→ 1	LOCAL STREET	
280	1	W. Hartigan Rd.	US-12	N. Stanley Rd	1109		0	30	7	10	→ 3	LOCAL STREET	
57	6	W. Ingleside Shore Rd.	(NORTH) VILLAGE LIMITS	(SOUTH) VILLAGE LIMITS	492	0.1	528	21	6	3	↓ -3	LOCAL STREET	
232	2	W. Longwood Dr.	Frontage Rd	VILLAGE LIMITS	1054	0.2	1056	16		2	→ 2	LOCAL STREET	
233	2	W. Longwood Dr.	(WEST) VILLAGE LIMITS	(EAST) VILLAGE LIMITS	137		0	16	3	5	→ 2	LOCAL STREET	
260	1	W. Nippersink Rd.	VILLAGE LIMITS (NORTH)	VILLAGE LIMITS (SOUTH)	2457	0.8	4224			3	→ 3	LOCAL STREET	
108	5	W. Oak St.	Wells St	US-12	441		0	15	4	3	↓ -1	LOCAL STREET	
255	1	W. Wooster Lake Dr.	VILLAGE LIMITS (WEST)	VILLAGE LIMITS (EAST)	169	0.5	2640			7	↑ 7	LOCAL STREET	
256	1	W. Wooster Ln.	VILLAGE LIMITS	END	1845	0.4	2112			1	→ 1	LOCAL STREET	
79	7	Waltonian Ter.	Lakeside Rd	END	314	0.1	528	25	6	3	↓ -3	LOCAL STREET	
156	4, 6	Washington St.	II-59	Rollins Rd	3384	0.7	3696	29	4	3	↓ -1	LOCAL STREET	
109	5	Wells St.	W. Oak St	END	360	0.1	528	15	5	3	↓ -2	LOCAL STREET	
40	9	Westshore Dr.	Grass Lake Rd	Cul de Sac	2000	0.4	2112	22	2	6	→ 4	LOCAL STREET	
240	2	White Tail Ln.	Hollow Way	SPLIT	344	0.2	1056	27	6	4	↓ -2	LOCAL STREET	
241	2	White Tail Ln.	NORTH SPLIT	END	247	0.1	528	27	6	4	↓ -2	LOCAL STREET	
242	2	White Tail Ln.	SOUTH SPLIT	END	224		0	27	6	4	↓ -2	LOCAL STREET	
283	4	Whitten St.	Jefferson St	END	217	0.1	528	14	7	3	↓ -4	LOCAL STREET	
236	2	Wildwood Dr.	II-59	END	1246	0.3	1584	20	5	2	↓ -3	LOCAL STREET	
222	2	Willow Rd.	Frontage Rd	Cul de Sac	351	0.1	528	24	5	3	↓ -2	LOCAL STREET	
74	7	Wilmington Ave.	Howard Ct	Forest Ave	445	0.1	528	13	3	6	→ 3	LOCAL STREET	
179	3, 5	Woodland Ave.	Cypress Ave	Rollins Rd	1162	0.3	1584	21	5	3	↓ -2	LOCAL STREET	
144	4	Woodlock St.	Hawthorne Ln	Lindy St	1162	0.2	1056	22	5	3	↓ -2	LOCAL STREET	



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix C: Roadway Inventory – Street List, by Condition Rating

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
89	5	Alley/Bennet Ln.	Forest Ave	END	364	0.1	528			1	➡ 1	LOCAL STREET	
28	9	Cedar St.	Hickory St	END	120		0			1	➡ 1	LOCAL STREET	
142	5	Columbia Ave.	Medinah St	END	311	0.1	528	18	4	1	↓ -3	LOCAL STREET	
29	9	Elm St.	Hickory St	END (N. Shore Dr)	133		0	20	4	1	↓ -3	LOCAL STREET	
285	3	Honing Rd.	"ALERT SCREW"	END	522	0.2	1056		5	1	↓ -4	LOCAL STREET	
209	3	Lakeland Ave.	Kings Rd	END	310	0.1	528	21	5	1	↓ -4	LOCAL STREET	
281	9	N. Hickory St.	Birch St	Cedar St	988	0.2	1056			1	➡ 1	LOCAL STREET	
44	9	N. Jackson Dr.	Cul de Sac	VILLAGE LIMITS	159		0	15	3	1	↓ -2	LOCAL STREET	
30	9	N. Shore Dr.	Cedar St	END	528	0.1	528	14	2	1	↓ -1	LOCAL STREET	
137	5	Rand Ave.	S. York St	Medinah St	377	0.1	528	20	4	1	↓ -3	LOCAL STREET	
287	1	W. Hartigan Rd.	N. Stanley Rd	VILLAGE LIMITS	517	0.2	1056			1	➡ 1	LOCAL STREET	
256	1	W. Wooster Ln.	VILLAGE LIMITS	END	1845	0.4	2112			1	➡ 1	LOCAL STREET	
269	2	3rd Ave.	Glen Ayre St	VILLAGE LIMITS	125	0.2	1056	16	7	2	↓ -5	LOCAL STREET	
154	4	Adams Ave./St.	Rollins Rd	END/Lincoln	522	0.1	528	21	3	2	↓ -1	LOCAL STREET	
215	5	Arlington Ln.	US-12	END	1052	0.2	1056	21	4	2	↓ -2	LOCAL STREET	
87	7	Arthur Ave.	Forest Ave	END	793	0.2	1056			2	➡ 2	LOCAL STREET	
129	5	Atwater Pkwy	Grand Ave	END	956	0.2	1056	21	4	2	↓ -2	LOCAL STREET	
60	7	Castle Rd.	Kingston Blvd	Fortress Dr	1066	0.2	1056	20	5	2	↓ -3	LOCAL STREET	
147	4	Center St.	Shady Ln	Lindy St	737	0.2	1056	20	4	2	↓ -2	LOCAL STREET	
205	2	Channel Ln.	Knollwood Rd S.	Knollwood Rd S.	440		0	16	4	2	↓ -2	LOCAL STREET	
206	2, 4	Crestview Dr.	IL-59	END	1771	0.4	2112	22	5	2	↓ -3	LOCAL STREET	
178	5	Cypress Ave.	Woodland Ave	Grand Ave	650	0.1	528	21	4	2	↓ -2	LOCAL STREET	
286	6	E. Grand Ave	Rushmore Rd	IL-59	880	0.2	1056			2	➡ 2	LOCAL STREET	
82	7	Edison Ct.	Forest Ave	Cora Ave	253	0.1	528	14	4	2	↓ -2	LOCAL STREET	
157	4	Fossil Dr.	Washington St	END	953	0.2	1056	20	3	2	↓ -1	LOCAL STREET	
153	4	Garfield Rd.	Devlin Rd	Madison Ave	1937	0.4	2112	21	3	2	↓ -1	LOCAL STREET	
128	5	Glenview Pl.	Grand Ave	END	336	0.1	528	13	4	2	↓ -2	LOCAL STREET	
104	5	Hillside Ave.	Glen Ave	END	207	0.1	528	1985		2	➡ 2	LOCAL STREET	
155	4	Jefferson St.	Lincoln Ave	Rollins Rd	588	0.2	1056	21	3	2	↓ -1	LOCAL STREET	
131	5	Keystone Ave.	Grand Ave	END	1070	0.2	1056	22	3	2	↓ -1	LOCAL STREET	
208	3	Kings Rd.	US-12	END	1071	0.2	1056	21	4	2	↓ -2	LOCAL STREET	
201	4	Knollwood Rd.	IL-59	Oak Ln	691	0.2	1056	16	3	2	↓ -1	LOCAL STREET	
204	2, 4	Knollwood Rd. (S)	Knollwood Rd	END	1234	0.2	1056	16	3	2	↓ -1	LOCAL STREET	
127	5	Lakeside Ln.	Grand Ave	Cul de Sac	1045	0.3	1584	15	4	2	↓ -2	LOCAL STREET	
150	4	Lincoln Ave.	Washington St	END	1251	0.3	1584	24	3	2	↓ -1	LOCAL STREET	
136	5	Medinah St.	S. Holly Ave	END	788	0.1	528	24	5	2	↓ -3	LOCAL STREET	
118	6	N. Rushmore Rd.	Lippincott Ln	Rushmore Rd	1724	0.3	1584	21	3	2	↓ -1	LOCAL STREET	
279	1	N. Stanley Rd.	W. Hartigan Rd	VILLAGE LIMITS	973		0	23	4	2	↓ -2	LOCAL STREET	
130	5	N. York St.	Grand Ave	END	692	0.2	1056	24	4	2	↓ -2	LOCAL STREET	
99	5	Nippersink Blvd.	Grand Ave	E. Oak St	1476	0.8	4224	19	5	2	↓ -3	Collector (Urban) MINOR	0149
289	5	Oak St.	Medinah St	END	225	0.1	528	39	4	2	↓ -2	Collector (Urban) MAJOR	0150
213	3	Park Ave.	Kings Rd	Cul de Sac	981	0.2	1056	21	5	2	↓ -3	LOCAL STREET	
135	5	S. Holly Ave.	Rollins Rd	Grand Ave	1241	0.3	1584	23	3	2	↓ -1	LOCAL STREET	
170	4	S. Maple Ave.	Rollins Rd	END	471	0.3	1584	23	3	2	↓ -1	LOCAL STREET	
141	5	S. York St.	Grand Ave	Hill Rd	761	0.2	1056	20	4	2	↓ -2	LOCAL STREET	
146	4	Shady Ln.	Center St	Devlin Rd	464	0.1	528	20	3	2	↓ -1	LOCAL STREET	
200	2, 4	Spring Rd.	Knollwood Rd	END	2412	0.5	2640	16		2	➡ 2	LOCAL STREET	
139	5	Troy St.	Siloam Ave	END	360	0.1	528	18	3	2	↓ -1	LOCAL STREET	

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
51	8	W. Benjamin Ave.	VILLAGE LIMITS	END	2092	0.5	2640	20	3	2	↓ -1	LOCAL STREET	
232	2	W. Longwood Dr.	Frontage Rd	VILLAGE LIMITS	1054	0.2	1056	16		2	→ 2	LOCAL STREET	
236	2	Wildwood Dr.	Il-59	END	1246	0.3	1584	20	5	2	↓ -3	LOCAL STREET	
270	2	3rd Ave.	VILLAGE LIMITS	END	271		0			3	→ 3	LOCAL STREET	
194	3	Bay Rd.	Eagle Point Rd	Bay Ln	1201	0.3	1584	25	4	3	↓ -1	LOCAL STREET	
26	9	Cedar St.	Cul de Sac	END	2148		0	24	6	3	↓ -3	LOCAL STREET	
221	2	Cherry Ln.	Frontage Rd	Cul de Sac	316	0.5	2640	24	6	3	↓ -3	LOCAL STREET	
84	7	Cora Ave.	END	END	901	0.3	1584	25	5	3	↓ -2	LOCAL STREET	
17	9	Deer Run	State Park Rd	Cul de Sac	1548	0.2	1056	24	7	3	↓ -4	LOCAL STREET	
148	4, 6	Devlin Rd.	Grand Ave	Rollins Rd	3192	0.6	3168	24	5	3	↓ -2	LOCAL STREET	
39	8	Dunns Ct.	Eastshore Dr	Cul de Sac	271	0.1	528	22	3	3	→ 0	LOCAL STREET	
291	5	E. Grand Ave	US-12	Nippersink Blvd	603	0.1	528	34		3	→ 3	LOCAL STREET	
98	5	E. Oak St.	US-12	Forest Ave	1283	0.2	1056	31	4	3	↓ -1	Collector (Urban) MAJOR	0150
190	3	Eagle Point Rd.	US-12	END	4454	0.9	4752	22	5	3	↓ -2	LOCAL STREET	
163	4, 5	Elm Ave.	Grand Ave	Rollins Rd	2609	0.5	2640	14	2	3	→ 1	Collector (Urban) MINOR	0155
94	5	Ernest Ave.	Forest Ave	END	558	0.2	1056	32	4	3	↓ -1	LOCAL STREET	
123	6	Fern Pl.	Lippincott Rd	END	303	0.1	528	17	5	3	↓ -2	LOCAL STREET	
86	5, 7	Forest Ave.	Grand Ave	END	4928	0.9	4752	26	5	3	↓ -2	Collector (Urban) MAJOR	0148
61	7	Fortress Dr.	Castle Rd	Hooks Ln	1343	0.3	1584	20	4	3	↓ -1	LOCAL STREET	
65	7	Fortress Dr.	Monterrey Terr	Cul de Sac	320		0			3	→ 3	LOCAL STREET	
207	2	Frazier Ct.	Crestview Dr	END	379	0.1	528	19	4	3	↓ -1	LOCAL STREET	
231	2, 3	Frontage Rd.	US-12	IL-59	2772	4.2	22176			3	→ 3	LOCAL STREET	
237	2	Frontage Rd.	Il-59	VILLAGE LIMITS	2553		0			3	→ 3	LOCAL STREET	
258	1	Frontage Rd.	W. Nippersink Rd	IL-134	801		0			3	→ 3	LOCAL STREET	
262	1	Frontage Rd.	W. Hartigan Rd	END	526		0			3	→ 3	LOCAL STREET	
264	1, 2	Frontage Rd.	W. Big Hollow Rd	VILLAGE LIMITS	1953		0			3	→ 3	LOCAL STREET	
265	2, 3	Frontage Rd.	US-12	VILLAGE LIMITS	3797		0			3	→ 3	LOCAL STREET	
266	3	Frontage Rd.	Kings Rd	US-12	1896		0			3	→ 3	LOCAL STREET	
92	5	Grace Ave.	Grand Ave	McKinley Ave	217	0.1	528	30	9	3	↓ -6	LOCAL STREET	
115	5, 6	Hazel Ave.	N. Lake Ave	Lippincott Rd	430	0.1	528	21	3	3	→ 0	LOCAL STREET	
122	6	Hellios Ct.	Lippincott Rd	Cul de Sac	217	0.1	528	24	4	3	↓ -1	LOCAL STREET	
55	6	Henry Ct.	Point Pl	Cul de Sac	308	0.1	528	24	4	3	↓ -1	LOCAL STREET	
138	5	Hill Rd.	Troy St	S. York St	698	0.2	1056	18	3	3	→ 0	LOCAL STREET	
180	3, 5	Hillcrest Ave.	Cypress Ave	Rollins Rd	1426	0.3	1584	21	5	3	↓ -2	LOCAL STREET	
69	5	Hilltop Ave.	US-12	END	570	0.2	1056	19	5	3	↓ -2	LOCAL STREET	
244	1, 2	Hollow Way	Frontage Rd	Cul de Sac	3407	0.7	3696	26	5	3	↓ -2	LOCAL STREET	
229	3	Jack Frost Ln.	US-12	END	144	0.1	528	24	3	3	→ 0	LOCAL STREET	
4	12	James Rd.	Wilmot Rd	END	1877	0.4	2112	23	2	3	→ 1	LOCAL STREET	
62	7	Kingston Blvd.	Broadway	Fortress Dr	2712	0.5	2640			3	→ 3	LOCAL STREET	
214	5	Lagoon Rd.	US-12	END	898		0	21	5	3	↓ -2	LOCAL STREET	
188	3	Lake Ln.	Eagle Point Rd	END	357	0.2	1056	11	8	3	↓ -5	LOCAL STREET	
172	3	Lilac Ave.	Pine Ave	END	170	0.1	528	21	5	3	↓ -2	LOCAL STREET	

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
175	5	Lilac Ave.	Rose Ave	END	239		0			3	→ 3	LOCAL STREET	
49	8	Lincolnwood Ct.	N. Forest Ave	Cul de Sac	891	0.2	1056	24	4	3	↓ -1	LOCAL STREET	
145	4	Lindy St.	Woodlock St	Devlin Rd	996	0.2	1056	20	4	3	↓ -1	LOCAL STREET	
151	4	Madison Ave.	Garfield Rd	(North) END	390	0.2	1056	21	3	3	→ 0	LOCAL STREET	
158	4	Mastadon Dr.	END	END	569	0.1	528	32	3	3	→ 0	LOCAL STREET	
83	7	Maude Ave.	Forest Ave	Cora Ave	476	0.1	528	22	4	3	↓ -1	LOCAL STREET	
91	5	McKinley Ave.	E. Oak St	Ernest Ave	1154	0.3	1584	40	8	3	↓ -5	LOCAL STREET	
159	4	Monroe Ave.	Rollins Rd	END	900	0.2	1056	21	3	3	→ 0	LOCAL STREET	
64	7	Monterrey Ter.	Broadway	Fortress Dr	2384	0.5	2640	26	5	3	↓ -2	LOCAL STREET	
133	5	N. Holly Ave.	Grand Ave	Cul de Sac	1379	0.3	1584	27	5	3	↓ -2	LOCAL STREET	
125	5, 6	N. Lake Ave.	Grand Ave	END	1879	0.4	2112	21	5	3	↓ -2	LOCAL STREET	
36	9	N. Oak St.	W. Grass Lake Rd	END	416	0.1	528	16	4	3	↓ -1	LOCAL STREET	
282	5	N. Pistakee Lake Rd.	Hilltop Ave	US-12	625	0.3	1584			3	→ 3	LOCAL STREET	
114	6	N. Poplar Ave.	Grand Ave	Hazel Ave	1166	0.3	1584	22	5	3	↓ -2	LOCAL STREET	
56	6	N. Stanton Point Rd.	Grand Ave	END	756		0	21	4	3	↓ -1	LOCAL STREET	
288	5	Nippersink Blvd.	E. Oak St	State Park Rd (COUNTY)	1002	0.6	3168	19	5	3	↓ -2	LOCAL STREET	
202	4	Oak Ln.	Park Ln	Knollwood Rd	407	0.1	528	16	6	3	↓ -3	LOCAL STREET	
203	4	Park Ln.	Knollwood Rd	END	690	0.2	1056	16	6	3	↓ -3	LOCAL STREET	
176	3	Pine Ave.	Rose Ave	Hillcrest Ave	1336	0.5	2640	20	6	3	↓ -3	LOCAL STREET	
90	5	Pleasant Oak Ct.	E. Oak St	END	231	0.1	528	23	9	3	↓ -6	LOCAL STREET	
243	2	Quail Path	Hollow Way	END	359	0.1	528	27	7	3	↓ -4	LOCAL STREET	
239	2	Rabbit Run	Fox Trail	Cul de Sac	1184	0.3	1584	27	5	3	↓ -2	LOCAL STREET	
173	3, 5	Rose Ave.	Rollins Rd	Hillside Dr	642	0.1	528	25	7	3	↓ -4	LOCAL STREET	
119	6	Rushmore Rd.	Grand Ave	END	1401	0.3	1584	19	3	3	→ 0	LOCAL STREET	
164	4, 5	S. Lake Ave.	Grand Ave	Pine Ave	574	0.2	1056	20	6	3	↓ -3	LOCAL STREET	
168	4	S. Lake Ave.	Spruce Ave	END	490		0			3	→ 3	LOCAL STREET	
166	4, 5	S. Maple Ave.	Grand Ave	END	906		0	23	3	3	→ 0	LOCAL STREET	
284	3	Sayton Rd.	Industrial Ave	US-12	1662		0			3	→ 3	Collector (Urban) MAJOR	0152
140	5	Siloam Ave.	END	END	356	0.1	528	18	4	3	↓ -1	LOCAL STREET	
72	5	Skillen Ln.	Grand Ave	END	376	0.1	528	15	5	3	↓ -2	LOCAL STREET	
171	3	Spruce Ave.	Hillcrest Ave	END	490	0.3	1584	19	6	3	↓ -3	LOCAL STREET	
117	6	Tweed Rd.	Grand Ave	Lippincott Ln	2298	0.5	2640	24	4	3	↓ -1	LOCAL STREET	
132	5	Unnamed	Holly Ave	END	136		0			3	→ 3	LOCAL STREET	
111	5	Venice Ave.	Holly Ave	END	185	0.1	528	20	3	3	→ 0	LOCAL STREET	
50	8	Viscaya Dr.	W. Grass Lake Rd	Cul de Sac	966	0.2	1056	24	5	3	↓ -2	LOCAL STREET	
71	5	W. Grand Ave.	US-12	END	842	0.2	1056	18	2	3	→ 1	Collector (Urban)	
52	8	W. Greenleaf Pl.	W. Benjamin Ave	END	257	0.1	528	16	3	3	→ 0	LOCAL STREET	
57	6	W. Ingleside Shore Rd.	(NORTH) VILLAGE LIMITS	(SOUTH) VILLAGE LIMITS	492	0.1	528	21	6	3	↓ -3	LOCAL STREET	
260	1	W. Nippersink Rd.	VILLAGE LIMITS (NORTH)	VILLAGE LIMITS (SOUTH)	2457	0.8	4224			3	→ 3	LOCAL STREET	
108	5	W. Oak St.	Wells St	US-12	441		0	15	4	3	↓ -1	LOCAL STREET	
79	7	Waltonian Ter.	Lakeside Rd	END	314	0.1	528	25	6	3	↓ -3	LOCAL STREET	
156	4, 6	Washington St.	Il-59	Rollins Rd	3384	0.7	3696	29	4	3	↓ -1	LOCAL STREET	
109	5	Wells St.	W. Oak St	END	360	0.1	528	15	5	3	↓ -2	LOCAL STREET	
283	4	Whitten St.	Jefferson St	END	217	0.1	528	14	7	3	↓ -4	LOCAL STREET	
222	2	Willow Rd.	Frontage Rd	Cul de Sac	351	0.1	528	24	5	3	↓ -2	LOCAL STREET	

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179	3, 5	Woodland Ave.	Cypress Ave	Rollins Rd	1162	0.3	1584	21	5	3	↓ -2	LOCAL STREET	
144	4	Woodlock St.	Hawthorne Ln	Lindy St	1162	0.2	1056	22	5	3	↓ -2	LOCAL STREET	
189	3	Alley	Eagle Point Rd	END	148		0			4	→ 4	LOCAL STREET	
195	3	Bay Ln.	Bay Rd	END	74	0.1	528	25	4	4	→ 0	LOCAL STREET	
249	1	Blue Springs Dr.	Bayou Ct	Blue Springs Dr	3293		0	24	8	4	↓ -4	LOCAL STREET	
245	1	Cambridge Pkwy	IL-134	Blue Springs Dr	1141		0	27	8	4	↓ -4	LOCAL STREET	
112	5, 6	Cedar Ave.	N. Lake Ave	Lippincott Rd	597	0.1	528	21	5	4	↓ -1	LOCAL STREET	
228	3	Christopher Way	Sayton Rd	END	605	0.1	528	23	6	4	↓ -2	LOCAL STREET	
212	3	Circle Dr.	Pistakee Pkwy	Pistakee Pkwy	411	0.1	528	21	7	4	↓ -3	LOCAL STREET	
100	5	Cora Ave.	END	END	445		0			4	→ 4	LOCAL STREET	
143	5	Cottage Ave.	Medinah St	END	95	0.1	528	20	4	4	→ 0	LOCAL STREET	
226	3	Dena Ave.	Rollins Rd	END	41	0.1	528	22	8	4	↓ -4	LOCAL STREET	
107	5	E. School Ct.	Forest Ave	Grand Ave	187		0	48	4	4	→ 0	LOCAL STREET	
19	9	E. State Park Rd.	Deer Run	END	298		0	23	5	4	↓ -1	LOCAL STREET	
38	8, 9	Eastshore Dr.	Grass Lake Rd	Cul de Sac	1260	0.3	1584	22	4	4	→ 0	LOCAL STREET	
186	3	Fairfax Rd.	Eagle Point Rd	Lake Ln	755	0.2	1056	23	7	4	↓ -3	LOCAL STREET	
238	2	Fox Trail	Hollow Way	Cul de Sac	621	0.2	1056	27	6	4	↓ -2	LOCAL STREET	
230	3	Frontage Rd.	Sayton Rd	US-12	1899		0			4	→ 4	LOCAL STREET	
259	1	Frontage Rd.	W. Nippersink Rd	END	527		0			4	→ 4	LOCAL STREET	
95	5	Grace Ave.	South St	Ernest Ave	287		0	30	9	4	↓ -5	LOCAL STREET	
177	3, 5	Highview Ave.	Grand Ave	Rollins Rd	1670	0.5	2640	22	7	4	↓ -3	LOCAL STREET	
81	7	Hillside Ct.	Forest Ave	Cul de Sac	406	0.1	528	15	10	4	↓ -6	LOCAL STREET	
174	5	Hillside Dr.	Rollins Rd	Rose Ave	525	0.2	1056	25	7	4	↓ -3	LOCAL STREET	
66	7	Hooks Ln.	Castle Rd	Kingston Blvd	717	0.2	1056	20	5	4	↓ -1	LOCAL STREET	
162	4	Jefferson St.	Rollins Rd	Whitten Ave	607		0		3	4	→ 1	LOCAL STREET	
184	3	Lake Ln.	Tremont Rd	Arlington Rd	690		0	11	8	4	↓ -4	LOCAL STREET	
78	7	Lakeside Rd.	Forest Ave	Waltonian Terr	279		0			4	→ 4	LOCAL STREET	
113	5	Linden Ave.	N. Lake Ave	Grand Ave	571	0.1	528	20	6	4	↓ -2	LOCAL STREET	
120	6	Lippincott Ln.	N. Rushmore Rd	END	1135	0.3	1584	22	6	4	↓ -2	LOCAL STREET	
124	6	Lippincott Rd.	Grand Ave	Lippincott Ln	2558	0.5	2640	22	6	4	↓ -2	LOCAL STREET	
59	7	Livingston St.	Kingston Blvd	Cul de Sac	1367	0.3	1584	20	3	4	→ 1	LOCAL STREET	
191	3	Manor Ave.	Eagle Point Rd	END	847	0.2	1056	22	5	4	↓ -1	LOCAL STREET	
121	6	Mark Ln.	Lippincott Ln	END	205	0.1	528	22	4	4	→ 0	LOCAL STREET	
97	5	Marvin St.	E. Oak St	South St	662	0.2	1056	26	10	4	↓ -6	LOCAL STREET	
182	3	Matts Rd.	Eagle Point Rd	END	895	0.2	1056	21	6	4	↓ -2	LOCAL STREET	
35	9	N. Hickory St.	W. Grass Lake Rd	Birch St	1777	0.4	2112	24	6	4	↓ -2	LOCAL STREET	
126	5	N. Maple Ave.	Grand Ave	END	317	0.1	528	18	5	4	↓ -1	LOCAL STREET	
278	2	N. Randhill Dr.	W. Bayview Dr	VILLAGE LIMITS	307		0	23	7	4	↓ -3	LOCAL STREET	
101	5	North Ave.	Forest Ave	Cora Ave	1066	0.2	1056	23	5	4	↓ -1	LOCAL STREET	
116	6	Orchard Pl.	Lippincott Rd	Tweed Rd	500	0.1	528	36	5	4	↓ -1	LOCAL STREET	
165	4	Pine Ave.	S. Maple Ave	Elm Ave	927		0	20	6	4	↓ -2	LOCAL STREET	
54	6	Point Pl.	N. Stanton Point Rd	Cul de Sac	434	0.1	528	24	7	4	↓ -3	LOCAL STREET	
290	3	Precision Drive	Honing Rd	END	219	0.1	528	30		4	→ 4	LOCAL STREET	
161	4	Rainier Way	Rollins Rd	Rainier Way (PRIVATE)	303	0.2	1056			4	→ 4	LOCAL STREET	
181	3, 5	Ridgeland Ave.	Rollins Rd	END	978	0.2	1056	21	6	4	↓ -2	LOCAL STREET	
53	7	Riverside Island Dr.	US-12	END	1108	0.2	1056	21	5	4	↓ -1	LOCAL STREET	

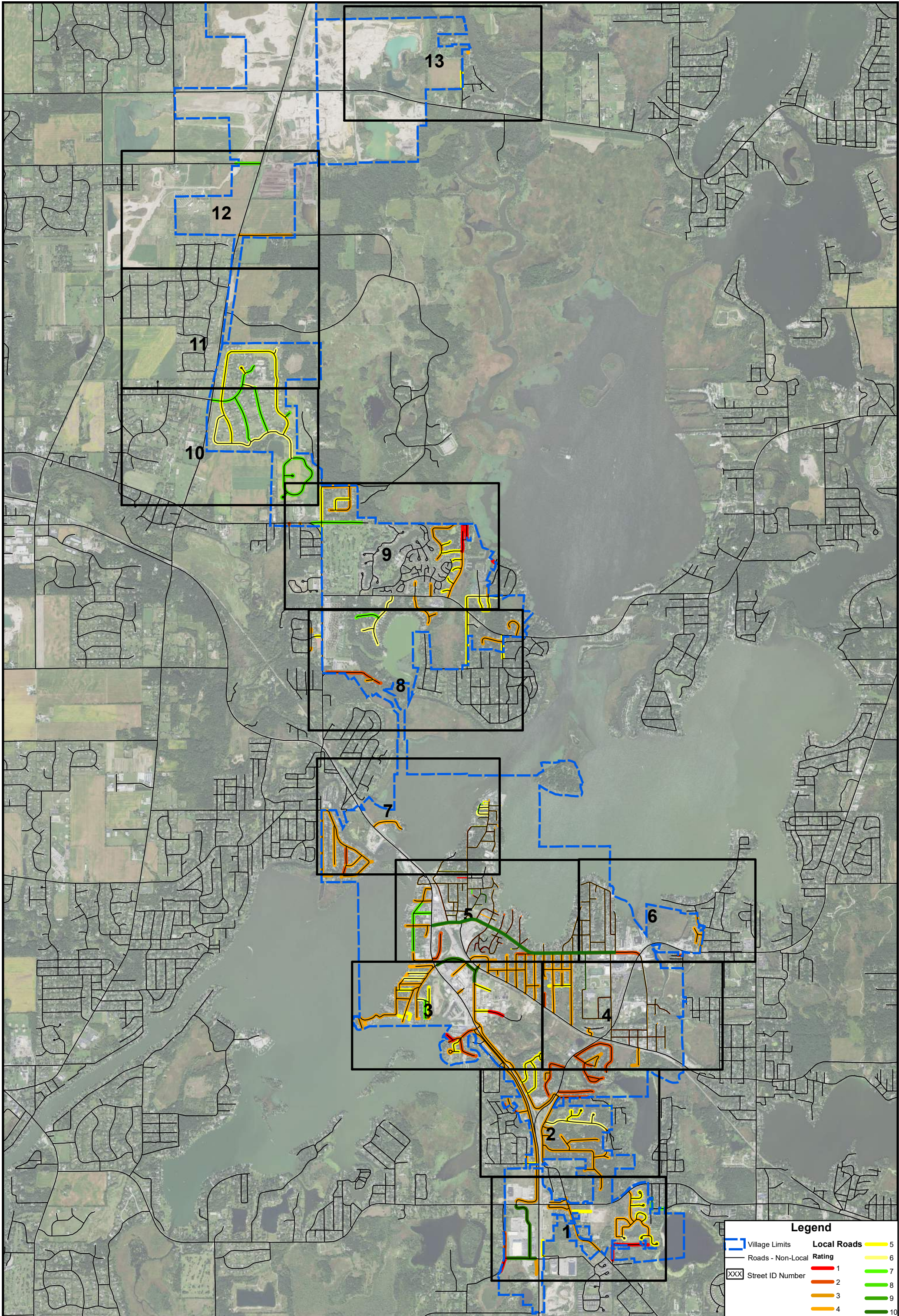
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169	4, 5	S. Hickory Ave.	Grand Ave	Rollins Rd	2149	0.5	2640	23	7	4	↓ -3	LOCAL STREET	
198	3	Scenic Ln.	Scenic Rd	Hilldale Rd	142	0.2	792	21	4	4	→ 0	LOCAL STREET	
96	5	South St.	Marvin St	McKinley Ave	328	0.1	528	22	9	4	↓ -5	LOCAL STREET	
20	9	State Park Rd.	N. State Park Rd	Deer Run	1069	0.7	3696	31	6	4	↓ -2	LOCAL STREET	
110	5	Thillen Dr.	Keystone Ave	Holly Ave	439	0.1	528	24	5	4	↓ -1	LOCAL STREET	
37	9	Trudy Ln.	Cul de Sac	Cul de Sac	108	0.1	528	18	4	4	→ 0	LOCAL STREET	
267	2	W. Glen Ayre St.	Frontage Rd	VILLAGE LIMITS	438	0.1	528	24	7	4	↓ -3	LOCAL STREET	
240	2	White Tail Ln.	Hollow Way	SPLIT	344	0.2	1056	27	6	4	↓ -2	LOCAL STREET	
241	2	White Tail Ln.	NORTH SPLIT	END	247	0.1	528	27	6	4	↓ -2	LOCAL STREET	
242	2	White Tail Ln.	SOUTH SPLIT	END	224		0	27	6	4	↓ -2	LOCAL STREET	
32	9	Balsam Ct.	Hickory St	Cul de Sac	342	0.1	528	24	6	5	↓ -1	LOCAL STREET	
27	9	Birch St.	Hickory St	Cedar St	773	0.1	528	24	7	5	↓ -2	LOCAL STREET	
45	8, 9	Brightwater Dr.	W. Grass Lake Dr	W. Grass Lake Dr	1266		0	24	6	5	↓ -1	LOCAL STREET	
85	7	Cathryn St.	Arthur Ave	Forest Ave	543	0.1	528	17	10	5	↓ -5	LOCAL STREET	
15	10, 11	Country Shire Ln.	Carriage Ln	Carriage Ln	8254	1.6	8448	24	7	5	↓ -2	LOCAL STREET	
43	8	Coventry Ave.	N. State Park Rd	VILLAGE LIMITS	182		0			5	↑ 5	LOCAL STREET	
252	1	Crystal Springs Ct.	Cambridge Pkwy	Cul de Sac	759		0	24	8	5	↓ -3	LOCAL STREET	
247	1	E. Bayou Ct.	Blue Springs Dr	Cul de Sac	727		0	24	8	5	↓ -3	LOCAL STREET	
31	9	Evergreen Ct.	Hickory St	Cul de Sac	366	0.1	528	24	7	5	↓ -2	LOCAL STREET	
134	5	Glenview Ave.	Grand Ave	END	363	0.5	2640			5	↑ 5		
197	3	Hilldale Rd.	Scenic Ln	END	1132	0.2	1056	27	3	5	→ 2	LOCAL STREET	
224	3	Honing Rd.	Sayton Rd	"ALERT SCREW"	526		0	28	5	5	→ 0	LOCAL STREET	
76	7	Howard Ct.	Forest Ave	Forest Ave	487	0.1	528			5	↑ 5	LOCAL STREET	
225	3	Industrial Ave.	Sayton Rd	END	586	0.6	3168	22	7	5	↓ -2	LOCAL STREET	
246	1	Key Largo Dr.	Blue Springs Dr	Blue Springs Dr	865		0	24	8	5	↓ -3	LOCAL STREET	
210	3	Lakeland Ave.	Kings Rd	Pistakee Pkwy	626		0	21	5	5	→ 0	LOCAL STREET	
33	9	Magnolia Ct.	Hickory St	Cul de Sac	317	0.1	528	24	6	5	↓ -1	LOCAL STREET	
193	3	Manor Ln.	Manor Ave	END	367	0.1	528	22	5	5	→ 0	LOCAL STREET	
48	8	N. Forest Ave.	W. Grass Lake Rd	VILLAGE LIMITS	814		0	22	3	5	→ 2	LOCAL STREET	
47	8, 9	N. Lake Shore Dr.	W. Grass Lake Dr	VILLAGE LIMITS	2485	0.4	2112	22	3	5	→ 2	LOCAL STREET	
21	9	N. State Park Rd.	Golf View Dr	State Park Rd	1220		0	23	6	5	↓ -1	LOCAL STREET	
18	9	Park View Cir.	Deer Run	Deer Run	877	0.2	1056	24	7	5	↓ -2	LOCAL STREET	
211	3	Pistakee Pkwy.	Circle Dr	END	284	0.1	528	21	7	5	↓ -2	LOCAL STREET	
34	9	Redwood Ct.	Hickory St	Cul de Sac	279	0.1	528	24	6	5	↓ -1	LOCAL STREET	
88	5	Riverview Ave.	Nippersink Blvd	Forest Ave	1035	0.2	1056	23	10	5	↓ -5	LOCAL STREET	
93	5	Rolland Pl.	Nippersink Blvd	Grace Ave	317	0.3	1584	34	10	5	↓ -5	LOCAL STREET	
251	1	Scott Ct.	Cambridge Pkwy	Cul de Sac	626		0	24	8	5	↓ -3	LOCAL STREET	
167	4	Spruce Ave.	Elm Ave	END	777		0	19	6	5	↓ -1	LOCAL STREET	
22	9	State Park Road	Golf View Dr	State Park Rd	454		0	23	6	5	↓ -1	LOCAL STREET	
13	11	Steeple Ct.	Sundial Ln	Cul de Sac	366	0.1	528	24	7	5	↓ -2	LOCAL STREET	
25	9	Sycamore Ct.	Cedar St	Cul de Sac	348	0.1	528	24	7	5	↓ -2	LOCAL STREET	
257	1	Thomas Ln.	W. Nippersink Rd	END	721		0	29	8	5	↓ -3	LOCAL STREET	
185	3	Tremont Rd.	Lake Ln	Eagle Point Rd	631	0.1	528	23	6	5	↓ -1	LOCAL STREET	
192	3	Union Ave.	Manor Ave	END	198	0.1	528	24	5	5	→ 0	LOCAL STREET	
261	1	Unnamed (Frontage)	VILLAGE LIMITS	END	600		0	21		5	↑ 5	LOCAL STREET	
248	1	W. Bayou Ct.	Blue Springs Dr	Cul de Sac	477		0	24	8	5	↓ -3	LOCAL STREET	
277	2	W. Bayview Dr.	Frontage Rd	VILLAGE LIMITS	411		0	23	7	5	↓ -2	LOCAL STREET	
233	2	W. Longwood Dr.	(WEST) VILLAGE LIMITS	(EAST) VILLAGE LIMITS	137		0	16	3	5	→ 2	LOCAL STREET	

ID #	MAP PAGE #	STREET NAME	FROM	TO	LENGTH (FT)	GASB LENGTH (MI)	GASB LENGTH (FT)	WIDTH (FT)	FORMER (2012) CONDITION RATING	NEW (2019) CONDITION RATING	CHANGE	FUNCTIONAL CLASS	FAU ROUTE NUMBER
183	3	Arlington Rd.	Eagle Point Rd	Lake Ln	741	0.2	1056	21	4	6	→ 2	LOCAL STREET	
16	10	Carriage Ln	Country Shire Ln	Morgan Cir	4852	0.9	4752	24	7	6	↓ -1	LOCAL STREET	
6	11	Chestnut Ridge	Sundial Ln	Country Shire Ln	477	0.2	1056	24	7	6	↓ -1	LOCAL STREET	
216	2	Chris Larkin Rd.	Frontage Rd	END	2372	0.5	2640	24	3	6	→ 3	LOCAL STREET	
187	3	Covington Rd.	Lake Ln	Eagle Point Rd	760	0.2	1056	23	8	6	↓ -2	LOCAL STREET	
196	3	Cross St.	Bay Rd	Hilldale Rd	417	0.2	950	21	3	6	→ 3	LOCAL STREET	
106	5	Glen Ave.	Forest Ave	North Ave	963	0.2	1056	18	4	6	→ 2	LOCAL STREET	
105	5	Highland Ave.	Glen Ave	END	261	0.1	528	16	2	6	→ 4	LOCAL STREET	
73	7	Howard Ave.	Howard Ct	Forest Ave	330	0.1	528	21	4	6	→ 2	LOCAL STREET	
250	1	Lagoon Ct.	Blue Springs Dr	Cul de Sac	276	0.1	528	24	8	6	↓ -2	LOCAL STREET	
77	7	Lakeview Ave.	Forest Ave	END	448	0.1	528	27	10	6	↓ -4	LOCAL STREET	
5	11	Laurine Ct.	Country Shire Ln	Cul de Sac	170	0.1	528	24	7	6	↓ -1	LOCAL STREET	
80	7	Lawrence Ave.	Forest Ave	END	341	0.1	528	12	2	6	→ 4	LOCAL STREET	
41	8	Mallard Ct.	Westshore Dr	Cul de Sac	419	0.1	528	22	2	6	→ 4	LOCAL STREET	
46	9	W. Grass Lake Dr.	N. Lake Shore Dr	END	1258	0.3	1584	22	3	6	→ 3	LOCAL STREET	
40	9	Westshore Dr.	Grass Lake Rd	Cul de Sac	2000	0.4	2112	22	2	6	→ 4	LOCAL STREET	
74	7	Wilmington Ave.	Howard Ct	Forest Ave	445	0.1	528	13	3	6	→ 3	LOCAL STREET	
14	10	Appaloosa Ln.	Sundial Ln	Carriage Ln	1727	0.4	2112	24	7	7	→ 0	LOCAL STREET	
42	8	Deerpath Ct.	Westshore Dr	Cul de Sac	856	0.2	1056	22	2	7	↑ 5	LOCAL STREET	
149	4, 6	Hawthorne Ln.	Grand Ave	Woodlock St	1328	0.3	1584	31	5	7	→ 2	LOCAL STREET	
7	10	Heather Ridge	Chestnut Ridge	Carriage Ln	1700	0.3	1584	24	7	7	→ 0	LOCAL STREET	
102	5	Hillside Ave.	North Ave	END	166		0	18	4	7	→ 3	LOCAL STREET	
75	7	Howard Ct.	Wilmington Ave	END	379		0			7	↑ 7	LOCAL STREET	
103	5	Lakewood Ave.	Glen Ave	END	439	0.1	528	18	3	7	→ 4	LOCAL STREET	
70	5	Meade Ct.	N. Pistakee Lake Rd	US-12	566	0.1	528	39	3	7	→ 4	LOCAL STREET	
68	5	N. Pistakee Lake Rd.	Grand Ave	Hilltop Ave	997	0.3	1584	36	3	7	→ 4	LOCAL STREET	
199	3	Scenic Rd.	Cross St	Scenic Ln	620	0.2	1162	21	3	7	→ 4	LOCAL STREET	
12	10, 11	Sundial Ln.	Wilmot Rd	END	2254	0.5	2640	24	7	7	→ 0	LOCAL STREET	
255	1	W. Wooster Lake Dr.	VILLAGE LIMITS (WEST)	VILLAGE LIMITS (EAST)	169	0.5	2640			7	↑ 7	LOCAL STREET	
11	5	Chelsey Ct.	Morgan Cir	Cul de Sac	395		0	24	7	8	→ 1	LOCAL STREET	
10	10	Churchill Ct./Unknown Road	Morgan Cir	Cul de Sac	472		0	24	7	8	→ 1	LOCAL STREET	
1	13	Converse Rd.	VILLAGE LIMITS	END	1110		0			8	↑ 8	LOCAL STREET	
3	12	English Prairie Rd.	Wilmot Rd	VILLAGE LIMITS	1843	0.4	2112	20	3	8	↑ 5	LOCAL STREET	
23	9	Main Street	Main St	State Park Rd	353		0	23	3	8	↑ 5	LOCAL STREET	
9	10	Morgan Cir.	Carriage Ln	Carriage Ln	3837	0.8	4224	24	7	8	→ 1	LOCAL STREET	
253	1	N. Oakside Ave.	VILLAGE LIMITS	END	246		0	15	1	8	↑ 7	LOCAL STREET	
2	13	Park Ave.	VILLAGE LIMITS	END	94		0			8	↑ 8	LOCAL STREET	
67	5	S. Pistakee Lake Rd	Grand Ave	END	875		0	24	3	8	↑ 5	LOCAL STREET	
8	10	Surrey Ct.	Country Shire Ln	Cul de Sac	241	0.1	528	24	7	8	→ 1	LOCAL STREET	
24	9	W. Golf View Dr.	N. State Park Rd	END	1471	0.4	2112			8	↑ 8	LOCAL STREET	
254	1	N. Oakside Ave.	VILLAGE LIMITS (NORTH)	VILLAGE LIMITS (SOUTH)	64		0			9	↑ 9	LOCAL STREET	
271	5, 6	E. Grand Ave	Nippersink Blvd	Rushmore Rd	6544	1.2	6336	34	4	10	↑ 6	Minor Arterial (Urban)	0169
263	1	Frontage Rd.	W. Hartigan Rd	W. Big Hollow Rd	2221		0			10	↑ 10	LOCAL STREET	
223	3, 5	Sayton Rd.	US-12	Industrial ave	2081	0.7	3696	26	3	10	↑ 7	Collector (Urban) MAJOR	0152
227	3	Sayton Rd.	Rollins Rd	Sayton Rd	165		0			10	↑ 10	LOCAL STREET	
280	1	W. Hartigan Rd.	US-12	N. Stanley Rd	1109		0	30	7	10	→ 3	LOCAL STREET	



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix D: Location Map (Survey Area)



Village Limits

Roads - Non-Local

XXX

Street ID Number

Local Roads

Rating

5

6

7

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9

10

1

2

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4

		2019 FOX LAKE ROADWAY INVENTORY	STREET RATING EXHIBITS	LOCATION MAP
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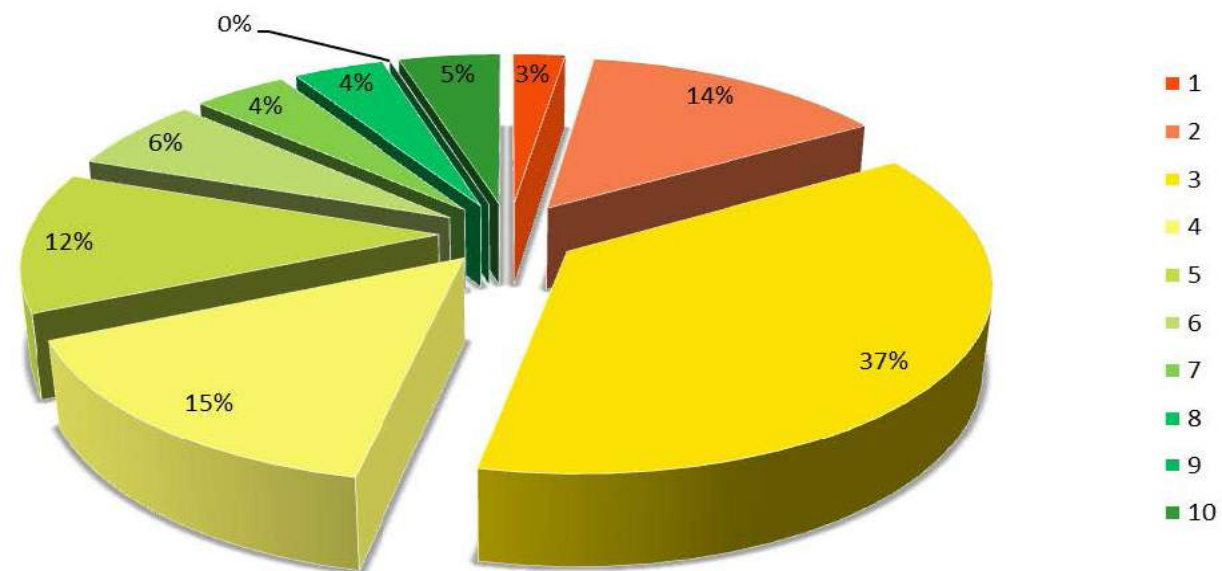
VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix E: Street Rating Exhibits

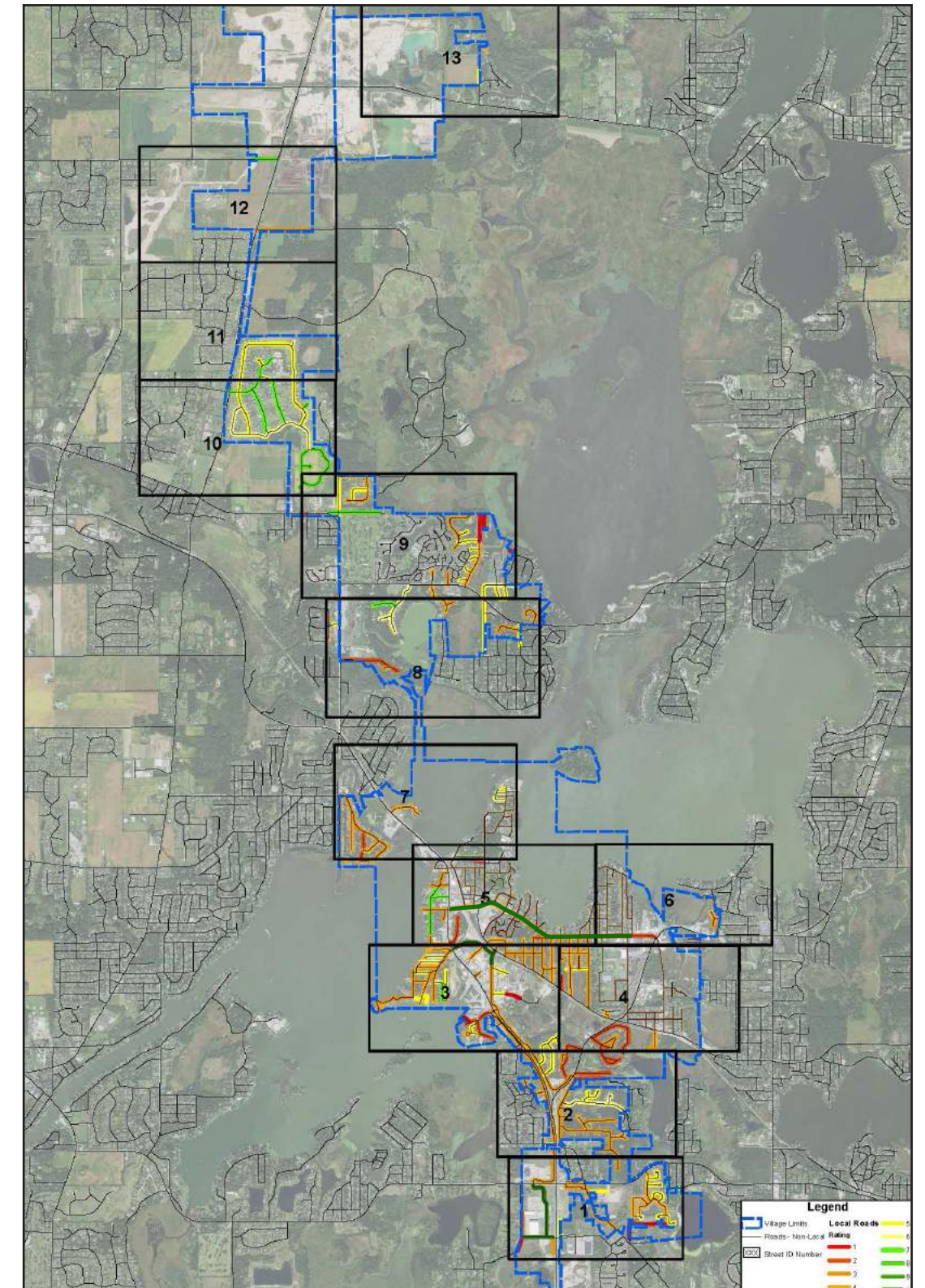
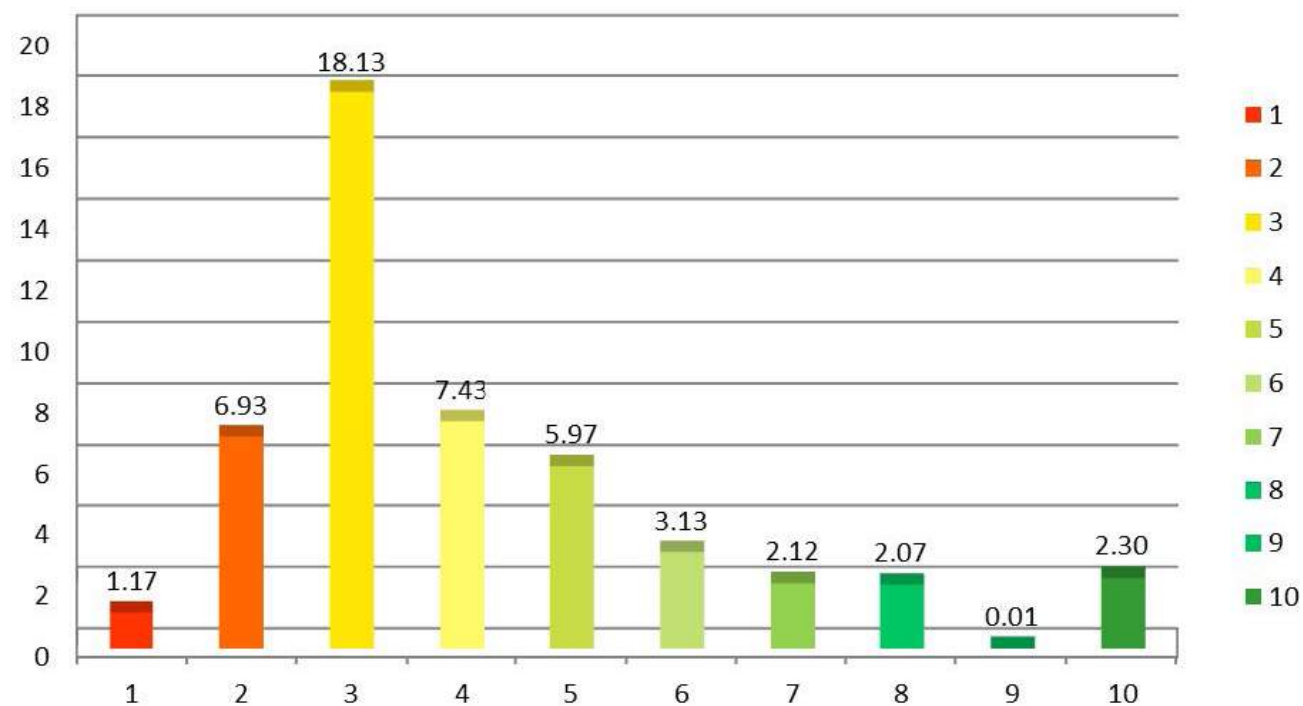


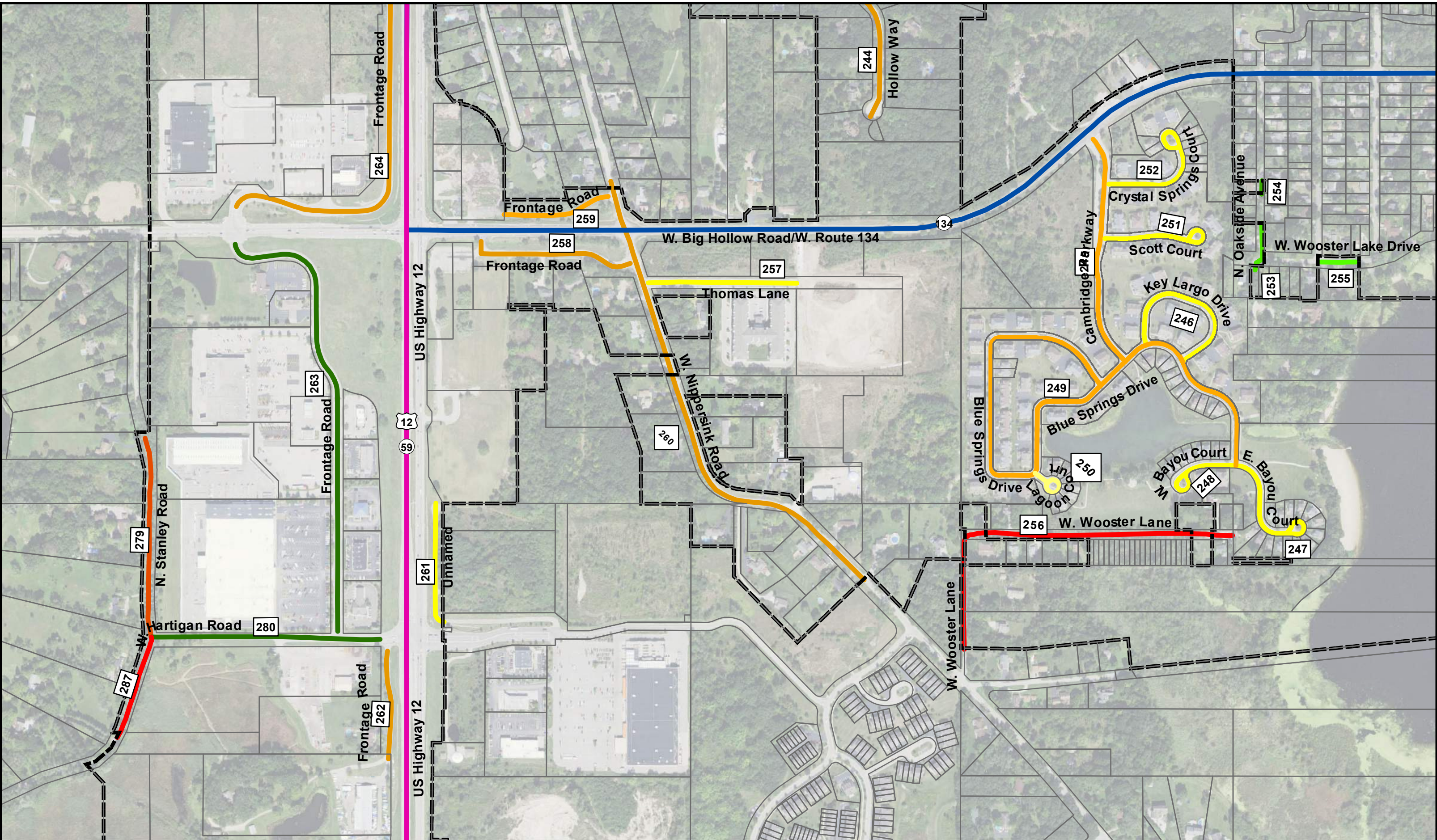
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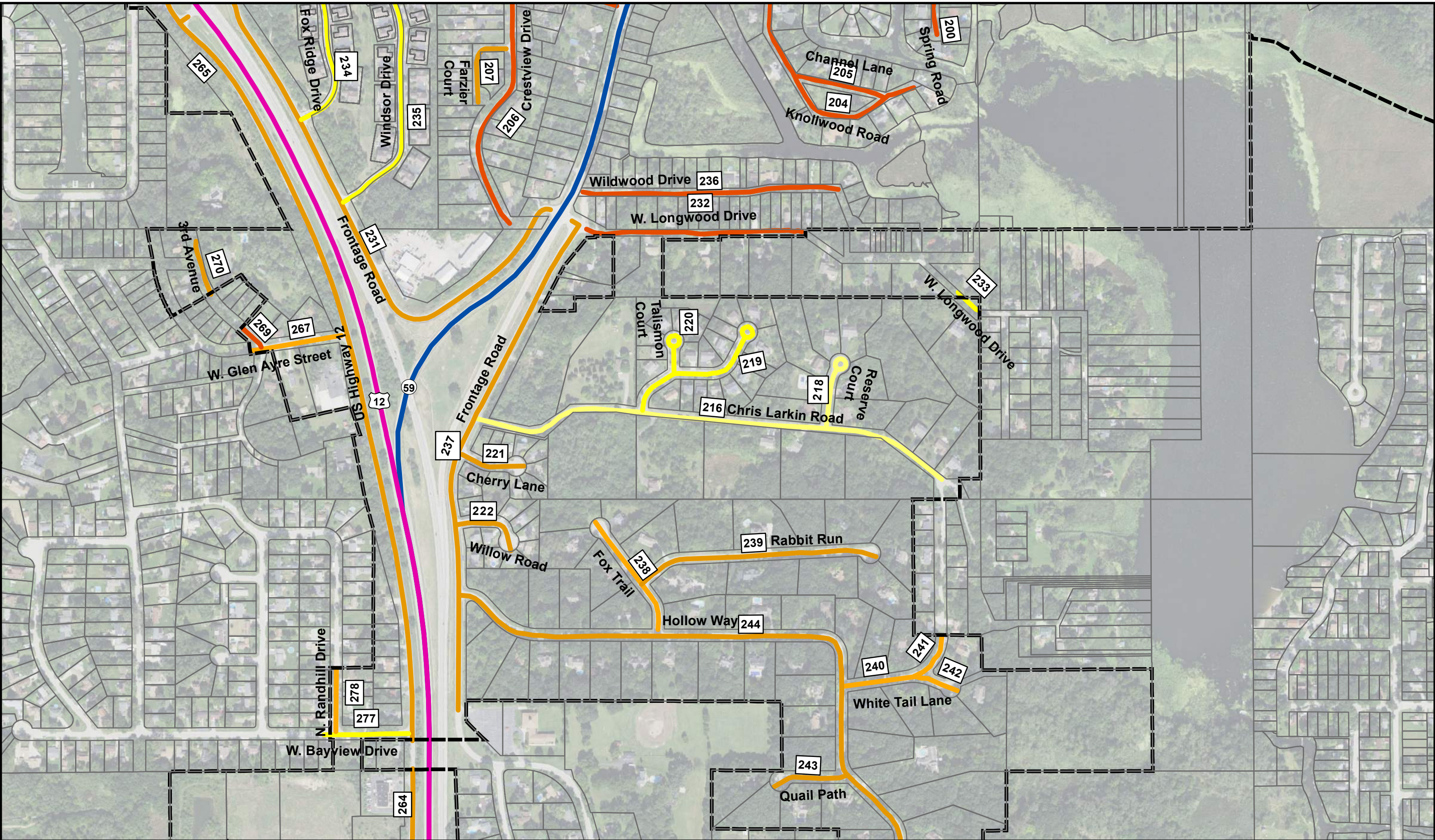
2019 ROADWAY INVENTORY CONDITIONS BY PERCENTAGE OF STREET NETWORK



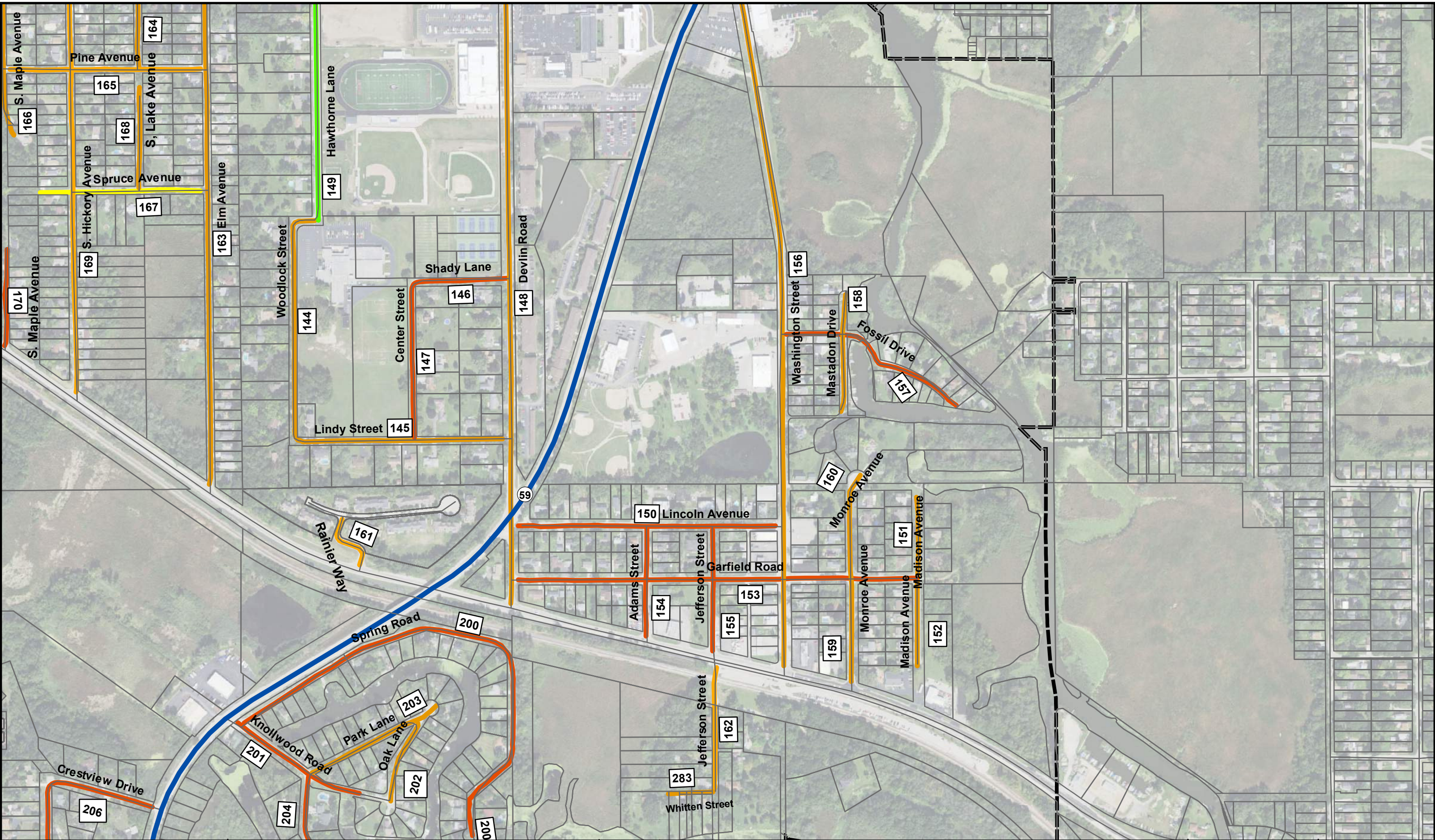
Overall Pavement Rating Distribution by Length (Miles)



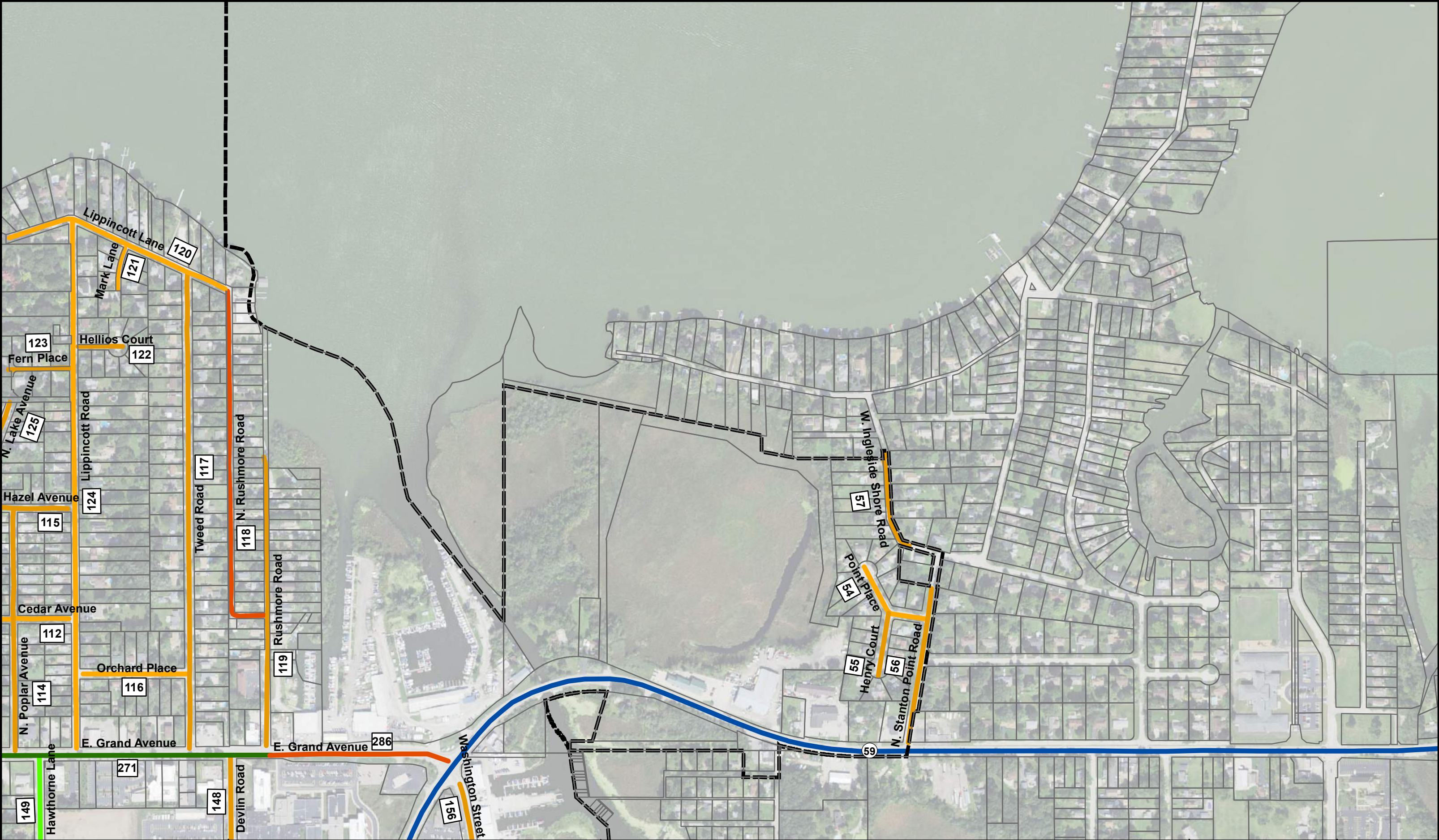












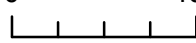


FOX LAKE
ILLINOIS



thomas
engineering group
service at the highest grade.

0400 Feet





 Village Limits

Legend

Route Type

 Interstate

 State

 US

State Routes

 1

 2

Local Roads

 3

 4

 5

 6

 7

 8

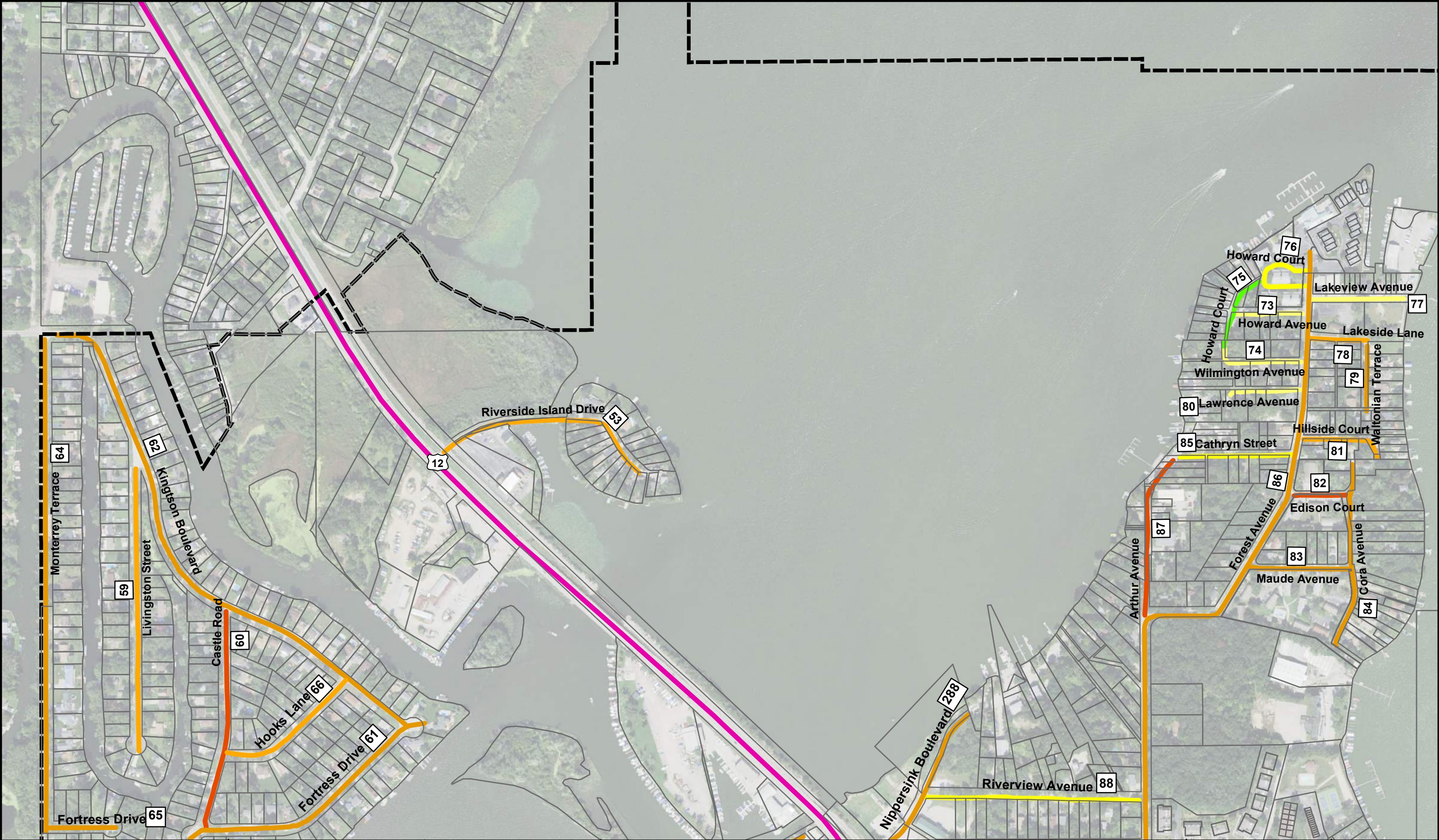
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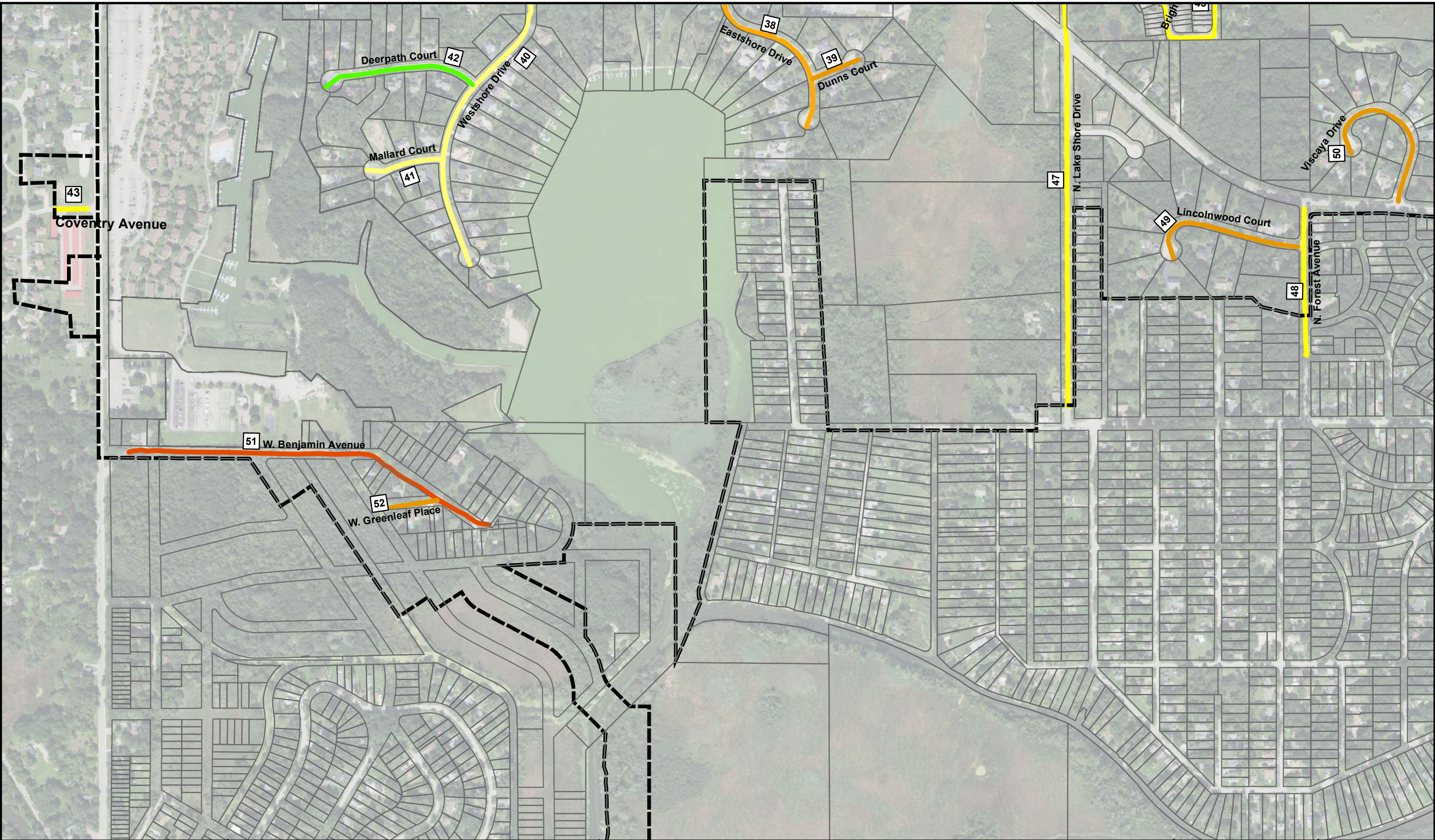
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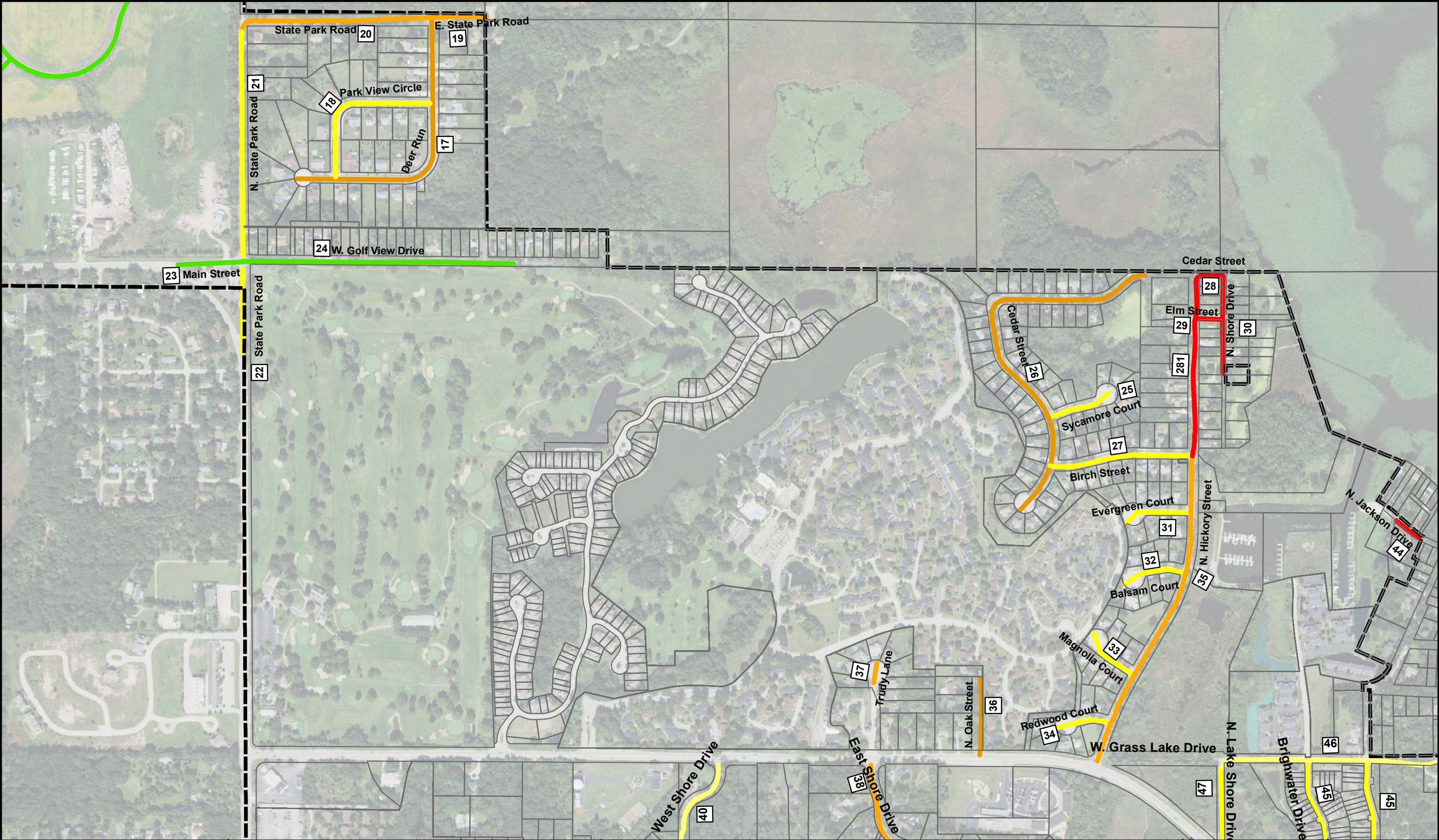
**2019 FOX LAKE
ROADWAY INVENTORY**

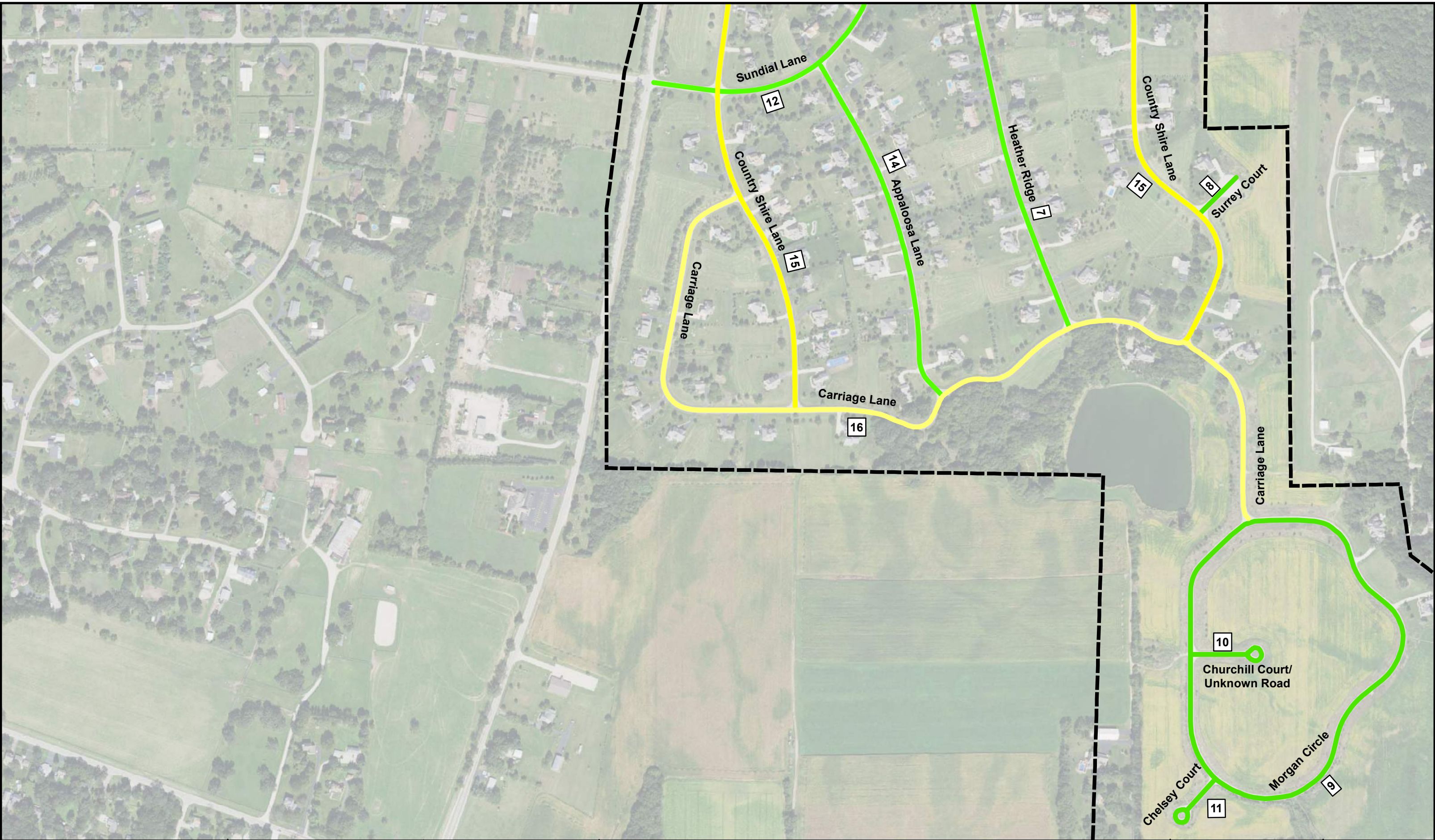
**STREET
RATING EXHIBITS**

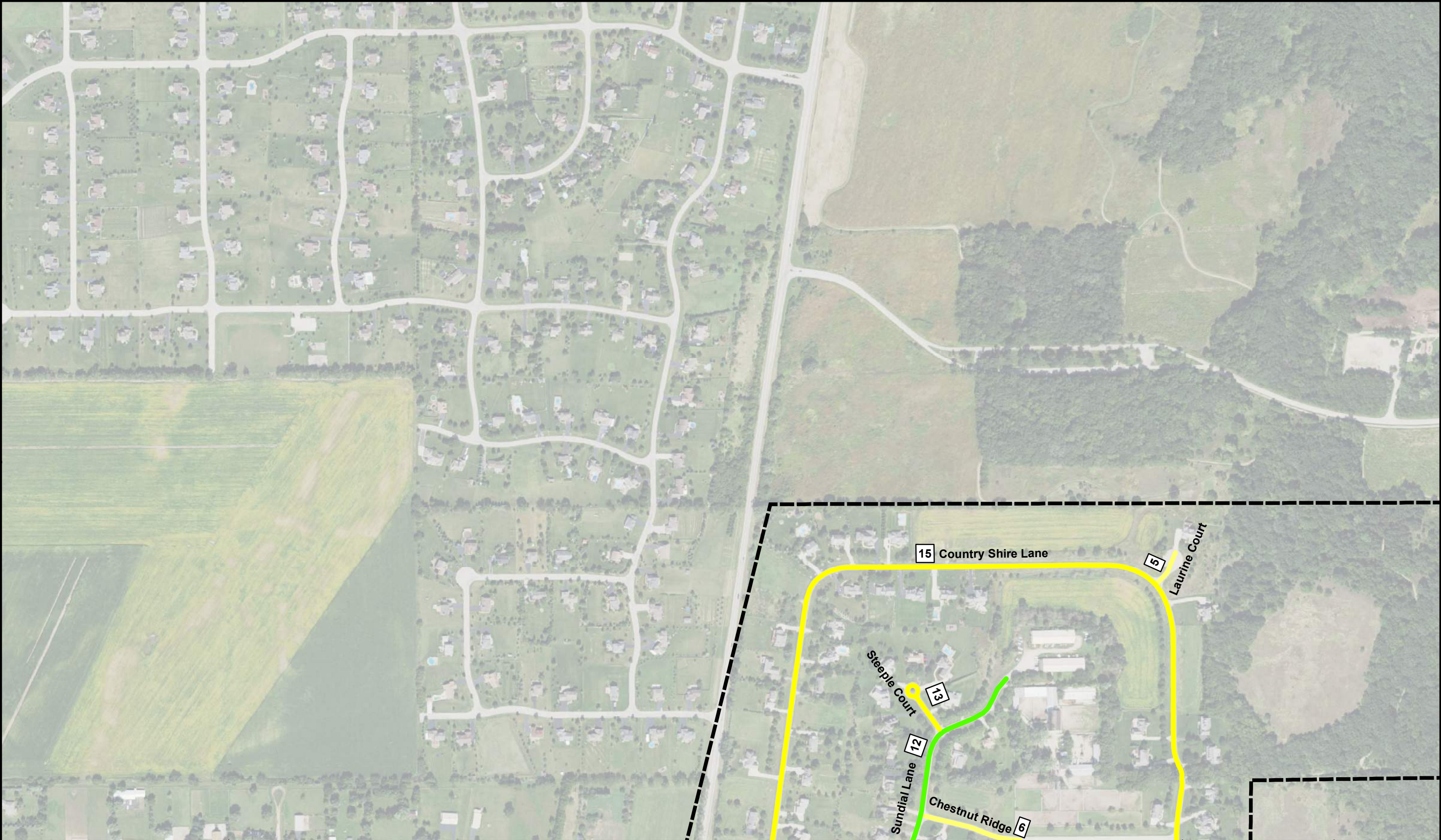
**SHEET NO.
6 OF 13**

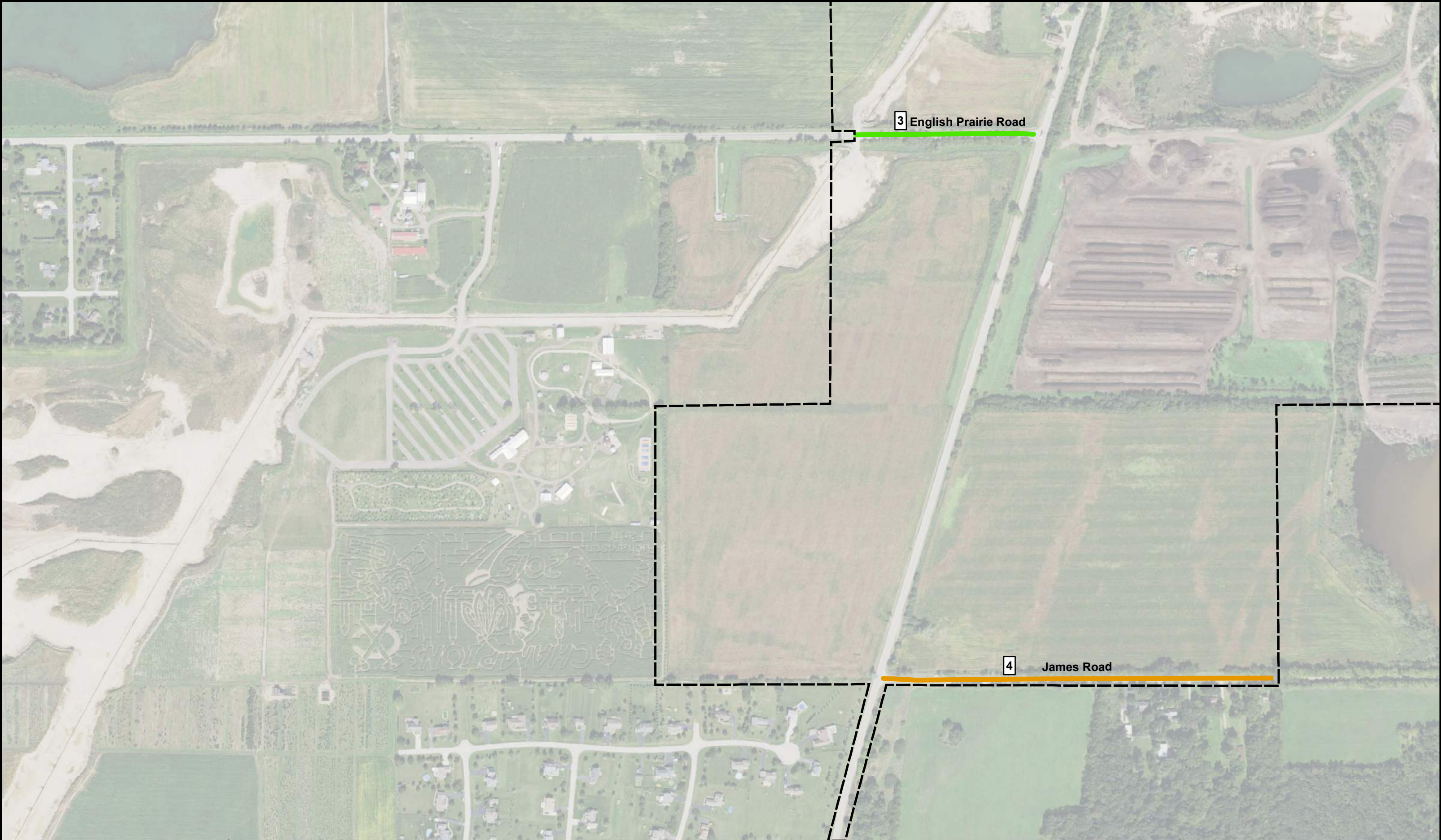


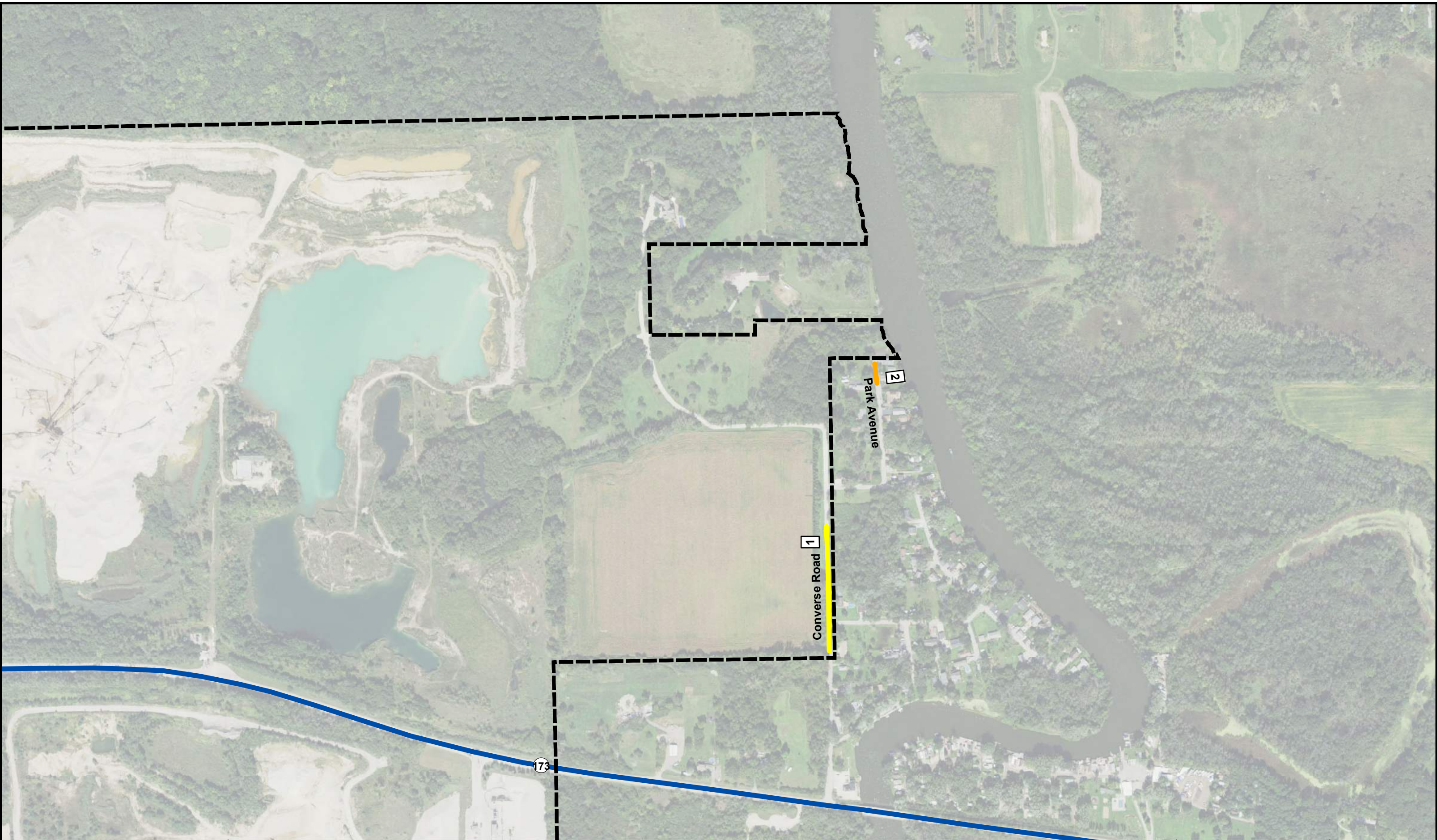














VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix F: Estimated Pavement Maintenance Unit Costs

APPENDIX F: ESTIMATED UNIT COSTS

COUNTY:	Lake County	TYPICAL SECTION ASSUME 2 LANE ROADWAYS ASSUME 20' PAVEMENT WIDTH FOR RESURFACING ASSUME 24' PAVEMENT WIDTH FOR RECONSTRUCTION ASSUME 2' WIDE SHOULDERS ASSUME HMA @ \$85/TON 11,733.33 SY/MILE 14,080.00 SY/MILE 2,346.67 SY/MILE		
ROAD DIST:	Village of Fox Lake			
PREPARED BY:	Thomas Engineering Group, LLC			
DATE:	1-Oct-19			
PAVEMENT MAINTENANCE STRATEGIES				
STRATEGY	DESCRIPTION	UNIT	UNIT COST/SY	UNIT COST/MILE
PP1	CRACK SEALING	SQ YD	\$ 0.85	\$ 9,973.33
1	HMA PAVEMENT RESURFACING (1.5" SC/0.75" LEVELING BINDER) W/ INTERMITTENT EDGE REPAIR AND BASE PATCHING	SQ YD	\$ 35.85	\$ 420,663.47
SUB 1	HMA PAVEMENT MILLING, 2"	SQ YD	\$ 2.00	
SUB 1	HMA PAVEMENT RESURFACING, 0.75" LEVELING BINDER	SQ YD	\$ 4.28	
SUB 1	AGGREGATE SHOULDERS, 6", 2' WIDTH	SQ YD	\$ 6.00	
SUB 1	HMA PAVEMENT RESURFACING, 1.5" SURFACE COURSE	SQ YD	\$ 8.57	
SUB 1	MISCELLANEOUS / THERMOPLASTIC / INTERMITTENT PCC / UTILITY ADJUSTMENTS / D PATCHES / TRAFFIC CONTROL	SQ YD	\$ 15.00	
2	HMA PAVEMENT REHABILITATION (1.5" SC/2.25" STRUCTURAL BC) - W/ INTERMITTENT EDGE REPAIR AND BASE PATCHING	SQ YD	\$ 46.70	\$ 547,993.60
SUB 2	HMA PAVEMENT MILLING, 3.5"	SQ YD	\$ 4.28	
SUB 2	HMA PAVEMENT RESURFACING, 2.25" BINDER	SQ YD	\$ 12.85	
SUB 2	AGGREGATE SHOULDERS, 6", 2' WIDTH	SQ YD	\$ 6.00	
SUB 2	HMA PAVEMENT RESURFACING, 1.5" SURFACE COURSE	SQ YD	\$ 8.57	
SUB 2	MISCELLANEOUS / THERMOPLASTIC / INTERMITTENT PCC / UTILITY ADJUSTMENTS / D PATCHES / TRAFFIC CONTROL	SQ YD	\$ 15.00	
3	PAVEMENT RECONSTRUCTION, FULL-DEPTH HMA (EXCLUDING SEWER-WATER) - NO WIDENING	SQ YD	\$ 100.00	\$ 1,408,000.00
4	PAVEMENT RECONSTRUCTION W/ INTERMITTENT CURB OR SHOULER, FULL-DEPTH HMA (EXCLUDING SEWER-WATER)	SQ YD	\$ 120.00	\$ 1,689,600.00
5	PCC PAVEMENT RECONSTRUCTION W/ NEW CURB OR SHOULDER, FULL-DEPTH HMA (EXCLUDING SEWER-WATER)	SQ YD	\$ 140.00	\$ 1,971,200.00
6	PAVEMENT RECONSTRUCTION W/WIDENING, FULL-DEPTH HMA (INCLUDING NEW CURB OR SHOULDERS) - NO STORM	SQ YD	\$ 160.00	\$ 2,252,800.00
7	PAVEMENT RECONSTRUCTION W/WIDENING, FULL-DEPTH HMA (INCLUDING NEW CURB OR SHOULDERS) - W/ STORM	SQ YD	\$ 180.00	\$ 2,534,400.00
8	PAVEMENT RECONSTRUCTION, PERMEABLE PAVERS (EXCLUDING SEWER-WATER)	SQ YD	\$ 200.00	\$ 2,816,000.00
9	PAVEMENT RECONSTRUCTION W/ CURB (INCLUDING SEWER-WATER)	SQ YD	\$ 250.00	\$ 3,520,000.00
10	PAVEMENT RECONSTRUCTION, COMPLETE STREETScape (INCLUDING SEWER-WATER)	SQ YD	\$ 300.00	\$ 4,224,000.00
N/A	SUBGRADE STABILIZATION: 12" UNDERCUT (100% AREA)	SQ YD	\$ 25.00	
N/A	AGGREGATE SHOULDERS, 6", 2' WIDTH	SQ YD	\$ 30.00	\$ 70,400.00
N/A	PCC PATCHING/CLASS D (20% TOTAL AREA)	SQ YD	\$ 65.00	



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

Appendix G: Conceptual 5-Year Road Program



VILLAGE OF FOX LAKE 2019 ROADWAY INVENTORY

We generally recommend the following annual budget allotments to three work types:

Work Type	%	Unit Cost per Mile*
Crack Sealing	2	\$9,973.33
Milling and Resurfacing	48	\$547,993.60
Reconstruction	52	\$1,971,200.00

*Refer to Appendix F for unit cost calculations. Unit costs per mile are calculated based on a nominal pavement width of 24 feet. Many of the Village's streets are less than 24 feet in width. Therefore, actual pavement area will be used to calculate the estimated milling and resurfacing costs, in lieu of street length. For estimating purposes, an average width of 20 feet was used for milling and resurfacing. For reconstruction projects, we have assumed at least 24 feet of pavement width and included costs for widening if necessary to meet this minimum width.

Using a conceptual annual budget of \$1 and \$2 million, below is a sample annual road program in FY 2020 dollars. Using the \$1M example, 3.13 miles of roadway is preserved or improved annually, with 2.01 miles of crack sealing, 0.88 miles of milling and resurfacing, and 0.25 miles of roadway reconstruction. Depending on the Village's objectives, the annual budget amount and allotments may need to be adjusted to fit the Village's 5 year goals.

Work Type	%	Cost/Mile	Budget	Miles per Year
Crack Sealing	2	\$ 9,973.33	\$20,000.00	2.01
Milling and Resurfacing	48	\$ 547,993.60	\$480,000.00	0.88
Reconstruction	50	\$ 1,971,200.00	\$500,000.00	0.25
Totals =			\$1,000,000.00	3.13

Work Type	%	Cost/Mile	Budget	Miles per Year
Crack Sealing	2	\$ 9,973.33	\$40,000.00	4.01
Milling and Resurfacing	48	\$ 547,993.60	\$960,000.00	1.75
Reconstruction	50	\$ 1,971,200.00	\$1,000,000.00	0.51
Totals =			\$2,000,000.00	6.27