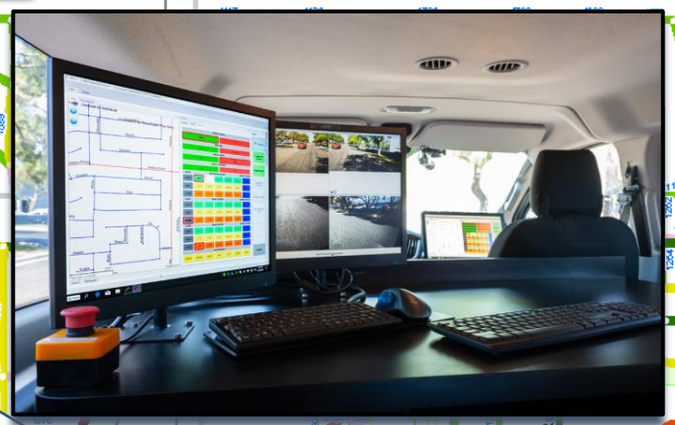
Village of Lake Bluff, IL

Pavement Management Report

December 2021

In Association with:

Chicago Metropolitan Agency for Planning



LAKE BLUFF

NORTH SHORE LIFE
LAKE BLUFF STYLE

IMS

Infrastructure Management Services

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1.0 EXECUTIVE SUMMARY

PROJECT SUMMARY

IMS Infrastructure Management Services, LLC (IMS) was contracted by the Chicago Metropolitan Agency for Planning (CMAP) to conduct a comprehensive pavement condition assessment and pavement management analysis on approximately 31 miles of the Village of Lake Bluff roadway network. IMS mobilized their Laser Road Surface Tester (RST) in April 2021 to conduct an objective pavement condition survey following ASTM D6433-11. The data was then loaded into the Paver software for analysis and Maintenance and Rehabilitation (M&R) work planning.

SUMMARY OF ANALYSIS

At the time of IMS inspection, the Lake Bluff network had an average Pavement Condition Index (PCI) of 62 with most of the network (26%) landing in the 25-40 PCI range. Roadways that were planned for resurfacing or reconstruction in 2021 (i.e., after the field inspection was performed) were assigned an assumed PCI value of 100. All other PCI values reflect the conditions of the roadways at the time of the field inspection. **Figure 1** presents a network overview of Lake Bluff's pavement conditions.

With the Village's current annual budget of $450K dedicated to pavement M&R, the average PCI is expected to drop to a 57 by the end of the five-year plan and the backlog to increase to $7.3M.

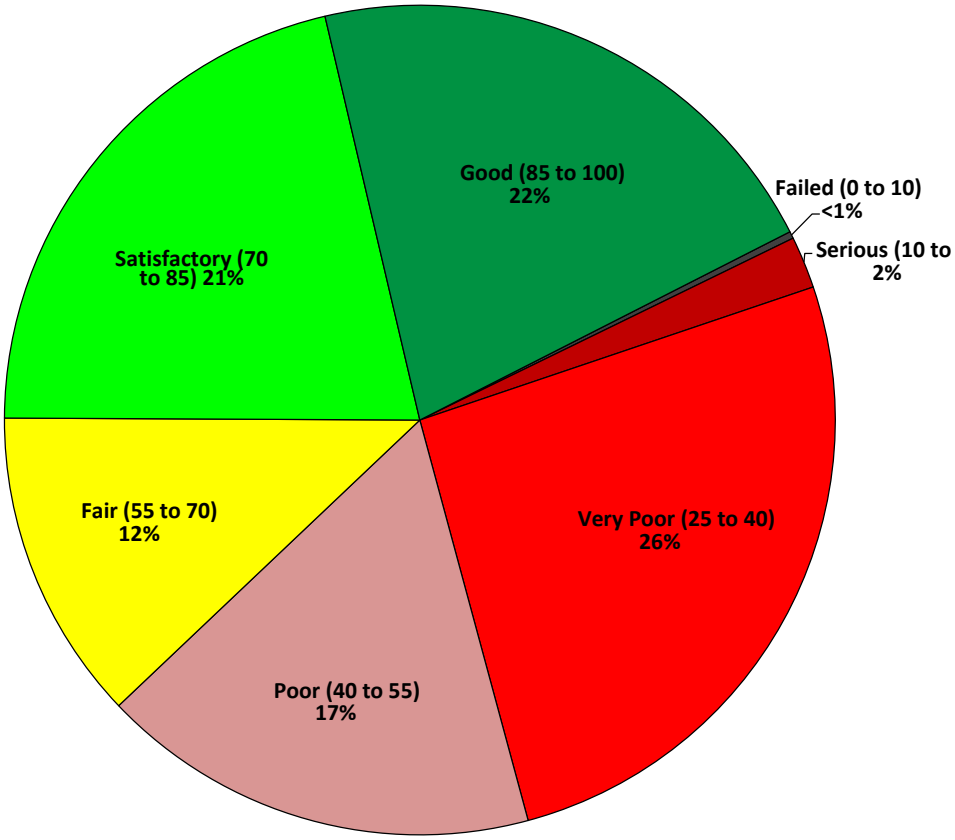


Figure 1 - Lake Bluff Condition Distribution

2.0 PRINCIPLES OF PAVEMENT MANAGEMENT

The role of the street network as a factor in the citizens' well-being cannot be overstated. In the simplest of terms, roadways form the economic backbone of a community. They provide the means for goods to be exchanged, commerce to flourish, and commercial enterprises to generate revenue. As such, they are an investment to be maintained.

Preservation of existing roads and street systems has become a major activity for all levels of government. Municipalities must consistently optimize and plan for the spending of their budgets ensuring that funds designated to pavement maintenance and rehabilitation (M&R) are used as effectively as possible. Municipalities must also identify the optimum level of long-term funding required to sustain the network at a predetermined level of service considering the local conditions and constraints. The best method to obtain the most optimal usage of available funds or to determine the required funding to achieve a predetermined level of service is through the use of a pavement management system. An effective pavement management system can assist agencies in developing long-term rehabilitation programs and budgets, assess the effectiveness of maintenance activities and new technologies, and store historical data and images.

Pavement management is the process of planning, budgeting, designing, evaluating, and rehabilitating a pavement network to preserve the existing roadway structure in a serviceable manner.

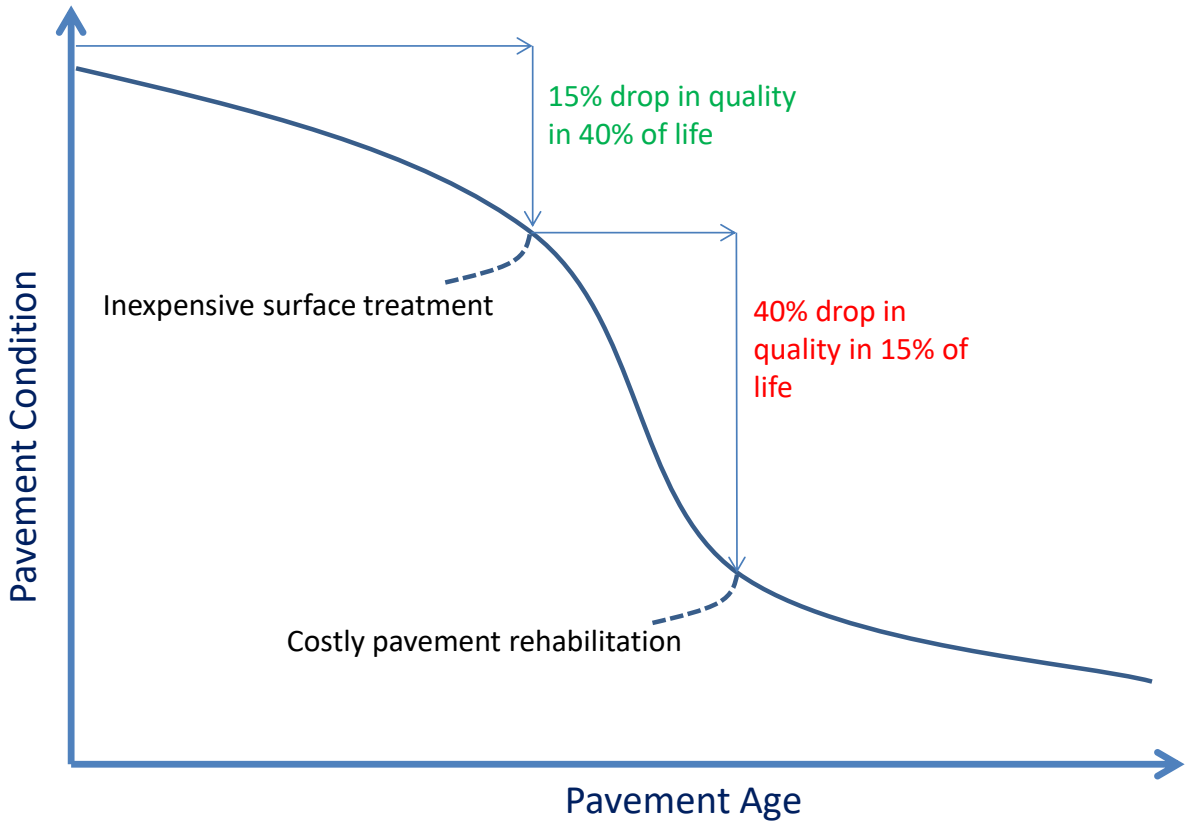


Figure 2 - Pavement Deterioration and Life Cycle Costs
(Values shown for illustrative purposes only)

As illustrated in **Figure 2,** typically, pavements start deteriorating rapidly once they hit a specific threshold. A nominal $1 investment in cheaper surface treatments at 40% lifespan is much more effective than deferring maintenance until heavier overlays or possibly reconstruction is required just a few years later. Streets that are repaired while in good condition will have an extended lifetime and will cost less over their lifetime than those left to deteriorate to a poor condition. Without an adequate routine pavement maintenance program, streets will require more frequent reconstruction, thereby costing millions of extra dollars.

The goal of the pavement management program is to develop policies and practices to delay the inevitable total reconstruction for as long as practical through application of routine M&R strategies while pavements are within the target zone of cost-effective pavement preservation (referred to as global work in PAVER program). That is, as each roadway approaches the steepest part of its deterioration curve, apply a surface treatment that extends the pavement life, at a minimum cost, avoiding costly heavy overlays and reconstruction down the line. The key to a successful pavement management program is to develop a reasonably accurate deterioration curve of the pavements, and then identify the optimal timing and rehabilitation strategy. The outcome of this exercise is the long-term cost savings and increase in network level pavement quality over time. **Figure 3** illustrates the concept of extending pavement life through the application of timely M&R activities.

A successful pavement management program requires periodic updates in pavement conditions, deterioration models, and cost models, and evaluation of the effectiveness of M&R activities.

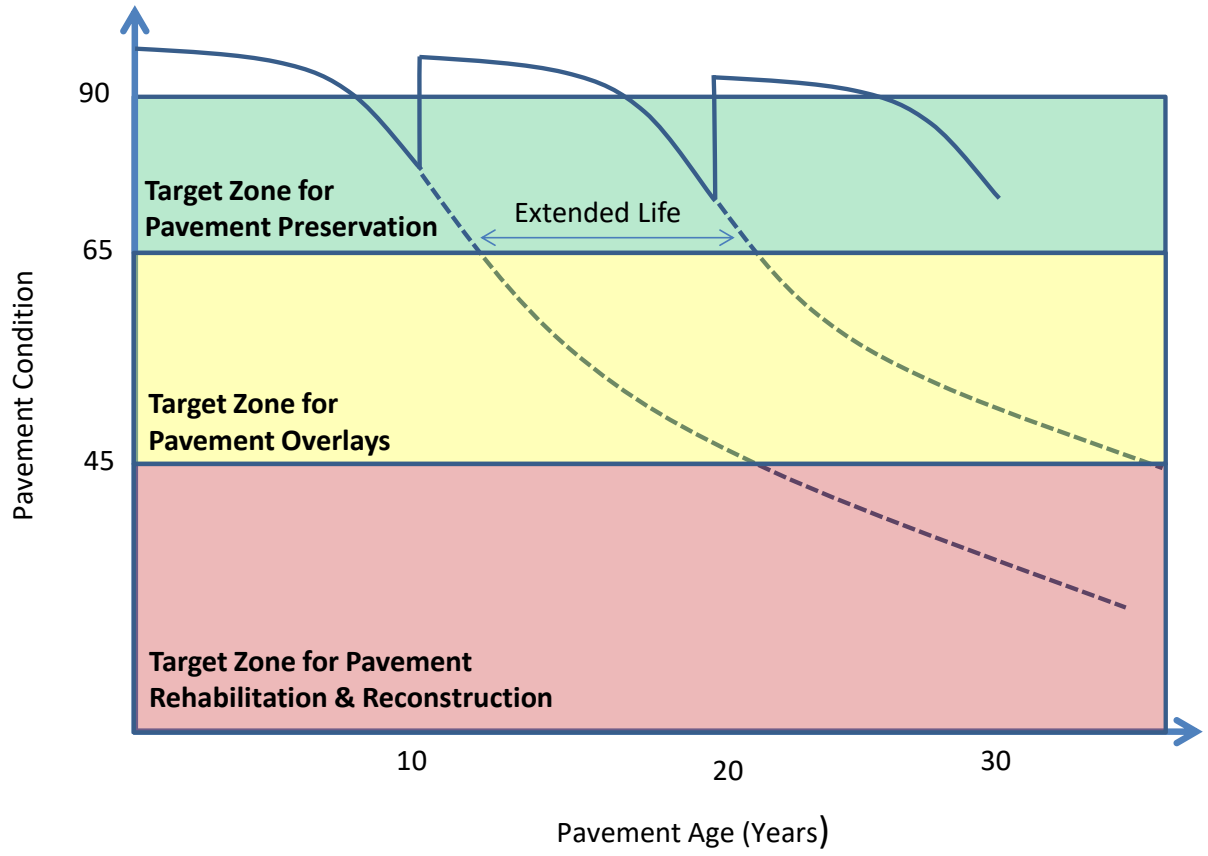


Figure 3 - Pavement Life Cycle Curve

3.0 THE PAVEMENT MANAGEMENT PROCESS

3.1 IMS Pavement Management Process Overview

As shown in **Figure 4** below, the IMS Laser Road Surface Tester was mobilized to Lake Bluff to conduct an objective survey and to collect pavement and Right of Way (ROW) imagery, roadway geometry, longitudinal and transverse profile, and surface distress data.

The collected pavement imagery, and surface distress data were analyzed following the *ASTM D6433 Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys* for assessment of Pavement Condition Index (PCI). These measurements of pavement quality formed an overall 0 to 100 PCI score, with 100 representing the best and 0 representing the worst pavement conditions. The pavement longitudinal profile data was also analyzed based on ASTM E1926 to assess the road roughness through determination of the International Roughness Index (IRI).

Next, the PAVER pavement management system was implemented and updated with the latest inventory and condition data and customized with local maintenance strategies, unit rates and models that best predict pavement deterioration trends in the Village. The program was used to run several “What-If” scenarios to depict the consequence of different funding levels as well as the outcome of the Village’s current funding on street network conditions.

To ensure the success of the implemented pavement management program, this type of pavement assessment and analysis should be completed every few years to update the budget models and rehabilitation plans.

Figure 4 - Laser Road Surface Tester (RST)

3.2 PAVER Pavement Management System

PAVER is a pavement management software package developed by the U.S. Army Corps of Engineers' Construction Engineering Research Laboratory. The software package includes a set of engineering tools that assists agencies in determining when, where, and what level of pavement M&R is required and approximately how much it will cost. The system provides a suite of pavement management tools, or "modules", that will help the Village with the following tasks:

- Developing and organizing their pavement inventory.
- Assessing the current condition of their pavements.
- Developing models to predict future pavement conditions.
- Reporting on past and future pavement performance.
- Developing scenarios for M&R based on either funding or pavement condition goals.
- Planning M&R projects.

The PAVER User Manual, which is available as a navigable PDF file in the PAVER software provides more details on various functionalities of the program.

3.3 Pavement Condition Survey

A specialized piece of survey equipment – referred to as the Laser Road Surface Tester (RST) – was used to collect observations on the condition of the pavement surface, as well as to collect high-definition digital imagery and spatial coordinate information. The RST is equipped with the second edition of 3D Laser Crack Measurement System (LCMS-2) and provides a continuous scan of a 13-ft wide lane as shown in **Figure 5**. All collectors were driven in two directions and local roads were driven in one direction to provide a representative sample of pavement conditions.

Figure 5 - RST Equipped with the 3D LCMS-2 Camera

The data captured by the RST was analyzed to identify and classify pavement defects and determine pavement condition indices following ASTM D6433 protocols. These following provides a description of major distress types identified in the network.

Alligator Cracking – Quantified by the severity of the failure and number of square feet. As a load associated distress, this distress has a significant impact on the condition score, even at low extents.

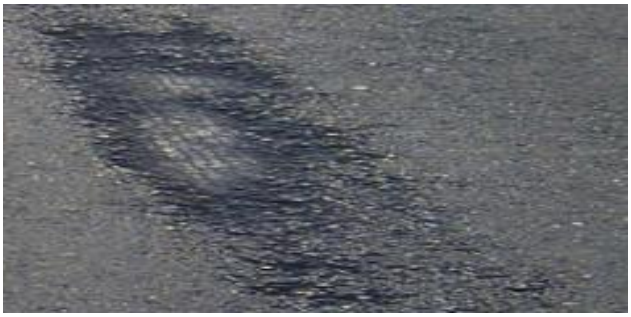
Wheel Path Rutting – Starting at a minimum depth of ¼ inch, wheel path ruts are quantified by their depth and the number of square feet encountered. Like alligator cracking, low densities of rutting can have a large impact on the final condition score.

Longitudinal & Transverse Cracks – Quantified by their length and width. These cracks can be the result of pavement shrinkage, or construction issues.

Block Cracking – Quantified by their width and number of square feet, these cracks form by interconnected longitudinal and transverse cracks that divide the pavement into approximately rectangular pieces.

Patching – Quantified by the extent and quality of patches. Even a good quality patch is considered a surface defect and affects the conditions.

Raveling – Loss of course aggregate materials on the pavement surface and is measured by the severity and number of square feet affected.



Bleeding – the presence of free asphalt on the roadway surface caused by too much asphalt in the pavement or insufficient voids in the matrix. The result is a pavement surface with low skid resistance. This distress is measured by the amount and severity of the area.

Edge Cracking – Running parallel to the road and usually within 1 to 2 feet of the outer edge of the pavement, this distress is accelerated by traffic loading and weakened base conditions resulting from poor drainage.

Pothole – Small bowl-shaped depressions in the pavement surface and measured by the severity and the number of occurrences.

Distortion – Includes various localized unevenness in the surface of the pavement including bumps and sags, depressions, swell, corrugation or shoving.

Load Associated and Non-Load Associated Distress Deducts – Surface distresses may be categorized into two classifications – load associated distresses (LAD) and non-load associated distresses (NLAD). Load associated distresses are those that are directly related to traffic loading and structural capacity including Alligator Cracking, Rutting, Patching, Distortion, Edge Cracking, and Potholes. Non-load associated distresses are those that result from materials or environmental issues and include longitudinal and transverse cracking, bleeding, and raveling. Generally, load associated distresses affect the overall condition score more than non-load associated distresses.

Pavement Condition Index (PCI) – Following our field surveys, the condition data is imported to PAVER for calculation of PCI following the ASTM D6433 standard. ASTM D6433 also has algorithms within it to correct for multiple or overlapping distresses within a segment.

The 0 to 100 PCI range is commonly divided into various ranges using descriptive terms. Divisions between the terms are not fixed but are meant to reflect common perceptions of pavement conditions. **Figure 6** and **Table 1** detail a general description for each of these condition ranges with respect to remaining life and typical rehabilitation actions.

International Roughness Index (IRI) - The captured longitudinal profile of the road was analyzed following ASTM E1926 to determine the International Roughness Index (IRI). IRI values measure the roughness (vertical displacement over a fixed interval reported in inches per mile) of a roadway pavement.

- IRI values less than 200 inches/mile indicate “smooth” pavement.
- IRI values between 200 and 400 inches/mile indicate a “marginally rough” pavement.
- IRI values greater than 400 inches/mile indicate “rough” pavement.

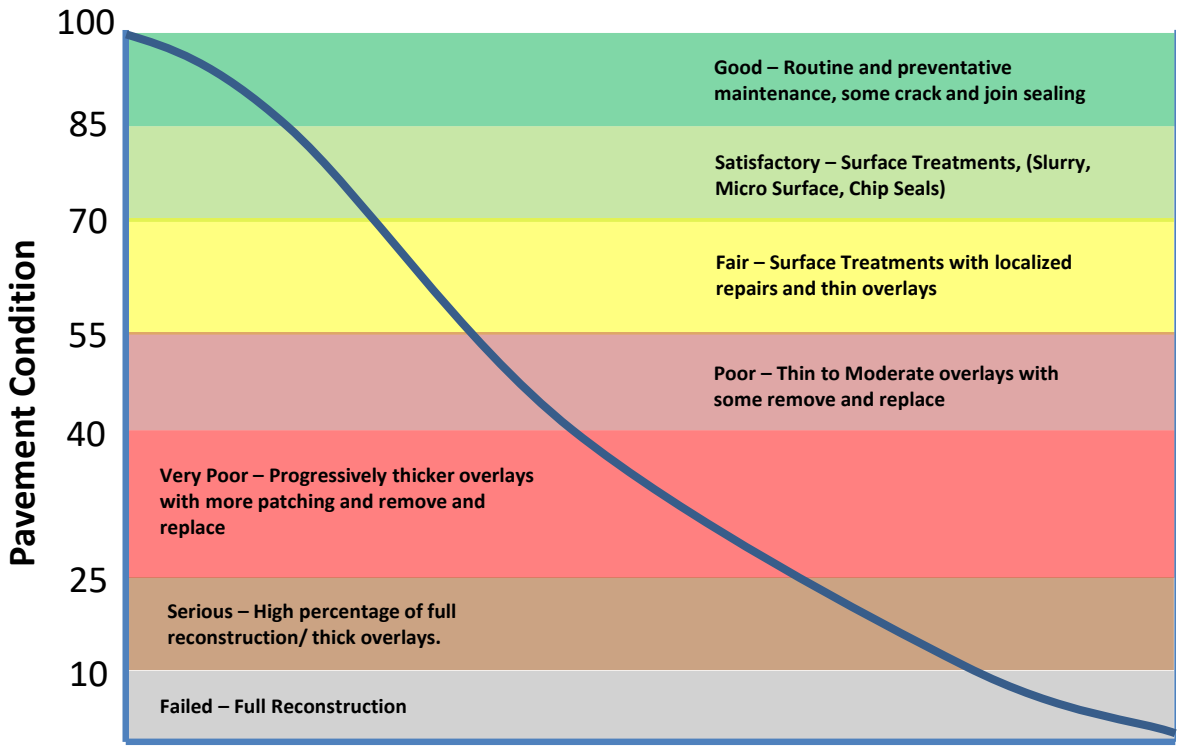


Figure 6 - Understanding the Pavement Condition Index (PCI) Score

Table 1 - Pavement Condition Ranges

PCI Range	Description	Relative Remaining Life	Definition
85 – 100	Good	15 to 25 Years	Like new condition – little to no maintenance required when new; routine maintenance such as crack and joint sealing.
70 – 85	Satisfactory	12 to 20 Years	Routine maintenance such as patching and crack sealing with surface treatments such as seal coats or slurries.
55 – 70	Fair	10 to 15 Years	Heavier surface treatments, chip seals and thin overlays. Localized panel replacements for concrete.
40 – 55	Poor	7 to 12 Years	Heavy surface-based inlays or overlays with localized repairs. Moderate to extensive panel replacements.
25 – 40	Very Poor	5 to 10 Years	Sections will require very thick overlays, surface replacement, base reconstruction, and possible subgrade stabilization.
10 – 25	Serious	0 to 5 Years	High percentage of full reconstruction.
0 – 10	Failed	Failed	Full reconstruction.

4.0 LAKE BLUFF INVENTORY AND PAVEMENT CONDITION SURVEY RESULTS

4.1 Lake Bluff Network Inventory

As the first step along the process, the GIS centerline from Lake County, IL was adopted for the Village. The GIS file was reviewed to ensure that only the roadways managed by the Village are included in the database. Each segment of the road was assigned a unique ID.

As part of the scope of this assignment, the functional classification designations (aka Rank) currently used by the Village were adopted for their use in the pavement analysis. The Village currently consists of three classes, Arterial (A) Collectors (C) and Locals (E).

Although there is no uniform standard for classifying pavement into functional classes, The Federal Highway Administration (FHWA), American Public Works Association (APWA) and Institute of Transportation Engineers (ITE) offer some broad guidelines on how to assign classifications that were considered in this study.

1. **Arterial (A) -** Major cross city corridors, typically spaced at 1-mile intervals are assigned the Arterial designation. The ADT may exceed 10,000 vehicles per day. These streets are generally prioritized first in the pavement analysis due to the wide-ranging utility and heavier traffic volumes.
2. **Collector (C)** – Continuous and discontinuous across Village and inter-district corridors that are 2 to 4 lanes across and generally have a centerline stripe or a designated bus route. The ADT generally falls in the 1,000 to 10,000 vehicle per day range. Collectors are also assigned to streets segments leading to, or adjacent to, a major traffic generator site such as a regional shopping complex. Collectors form the entrance to communities and may have a decorative landscaped median of short duration.
3. **Local (E)** – These are the majority of the street segments consisting of all residential roads.

Table 2 presents Lake Bluff's network breakdown between different functional classes and surface type and **Figure 7** provides a color-coded map of the functional classes used for the analysis. An electronic version of this map is appended to this report. **Appendix A** provides detailed inventory and condition data the Lake Bluff network.

In addition to the above, seven IDOT controlled road segments were also capture in the survey but were excluded from status, budgeting, or mapping. These seven segments were designated as Other (O) class in the database.

Table 2 - Network Inventory Summary by Functional Class and Surface Type

Lake Bluff, IL
Network Summary by Functional Class

	Pavetype	Network	A	C	E
Segment (Block) Count	All Streets	349	13	71	265
	Asphalt	347	13	71	263
	Concrete	1	0	0	1
	Gravel	1	0	0	1
Network Length (ft)	All Streets	163,943	4,738	26,217	132,988
(Centerline Length)	Asphalt	163,440	4,738	26,217	132,485
	Concrete	503	0	0	503
	Gravel	784	0	0	784
Network Length (mi)	All Streets	31.0	0.9	5.0	25
(Centerline Length)	Asphalt	31.0	0.9	5.0	25
	Concrete	0.1	0.0	0.0	0
	Gravel	0.1	0.0	0.0	0
Average Width (ft)	All Streets	23	29	22	23
	Asphalt	23	29	22	23
	Concrete	22	0	0	22
	Gravel	30	0	0	30
Network Area (sf)	All Streets	3,734,869	139,430	566,064	3,029,375
	Asphalt	3,700,283	139,430	566,064	2,994,789
	Concrete	11,066	0	0	11,066
	Gravel	23,520	0	0	23,520

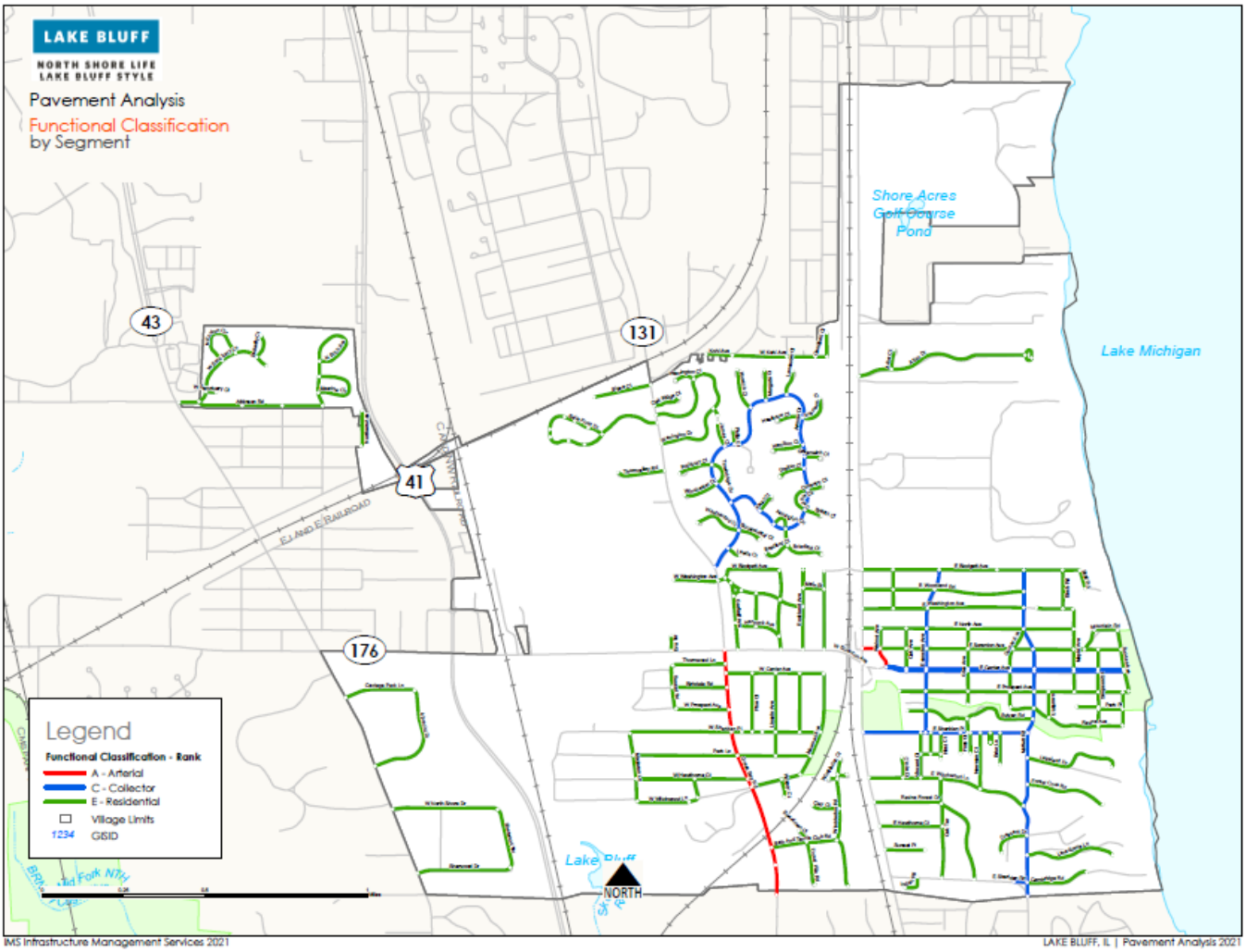


Figure 7 - Lake Bluff Functional Classes

4.2 Lake Bluff Network Condition Imagery

The images presented below provide a sampling of the Lake Bluff streets that fall into the various condition categories with a discussion of potential rehabilitation strategies. Example images from other agencies are used if no Lake Bluff streets fall into that category.

Failed (PCI = 0 to 10) – Complete Reconstruction

Northern Avenue from Safford Avenue to North End (PCI= 9) – Rated as Failed, this street displays spreading base failure as evidenced by the severe alligator and edge cracking and requires a full reconstruction. A mill and overlay on this street would not be suitable as the base has failed and would not meet an extended service life of at least 15 years.

Deferral of reconstruction of streets rated as Failed will not cause a substantial decrease in pavement quality as the streets have passed the opportunity for overlay-based strategies. Due to the high cost of reconstruction, Failed streets are often deferred until full funding is available in favor of completing more streets that can be rehabilitated at lower costs, resulting in a greater net benefit to the Village. This strategy however must be sensitive to citizen complaints forcing the street to be selected earlier. In addition, this type of street can pose a safety hazard for motorists, since severe potholes and distortions may develop. It is important to consistently monitor these streets and check for potholes or other structural deficiencies until the street is eventually rebuilt.

Serious (PCI = 10 to 25) – Full & Partial Reconstruction

Moffett Road from East Woodland Road to East Blodgett Avenue (PCI = 17) Rated as Serious, this segment still has some remaining utility before it becomes a critical reconstruction need. On this street, the base is showing signs consistent with failure in areas exhibiting alligator/fatigue cracking. The severely cracked areas are largely along the edge of pavement. If these base failures are left untreated, within a short period of time a full reconstruction would be required.

On collector roadways, serious streets often require partial to full reconstruction – that is removal of the pavement surface and base down to the subgrade and rebuilding the pavement and the curb and gutter. On local roadways, they require removal of the pavement surface through grinding or excavation, base repairs, restoration of the curb line and drainage (where applicable), and then placement of a new surface.

Very Poor (PCI = 25 to 40) – Thick Overlays & Partial Reconstructs

Sunset Terrace from Birkdale Road to Thornwood Lane (PCI = 27) – Rated as very poor with a PCI score at the lower range between serious and poor streets. Placing an overlay on this street without repairing the base would not achieve the desired service life as the failure would continue to occur over time. Structural patching of the failed areas along with localized rehabs would permit a full width grind and inlay on this street segment and returning it to full service.

If left untreated, very poor streets with high amounts of load associated distresses would deteriorate to become partial reconstruction candidates. Very poor streets that are failing due to material issues or non-load associated failures may become suitable candidates for thick overlays while those exhibiting load associated distresses require significant localized repairs or partial or full reconstruction.

Poor (PCI = 40 to 55) – Thick to Moderate Overlays

Glen Avenue from East Center Avenue to East Center Avenue (PCI = 43) – Rated in the poor category, these streets are a suitable candidate for moderate to thick overlays. Several distresses are present, but tend to be moderate in severity, and non-load associated (e.g. longitudinal and transverse cracking and raveling).

Asphalt streets rated as poor receive a high priority during M&R planning. These streets tend to deteriorate more quickly and will become a greater burden to the Agency if left untreated.

Fair (PCI = 55 to 70) – Moderate to Thin Overlays

West Washington Avenue from West Blodgett Avenue to Green Bay Road (PCI = 69) – Rated as fair this road shows transverse and longitudinal cracks that have already been sealed as well as edge cracking. The occasional full depth patch may be required to correct localized deficiencies. Alternatively, depending on the extent of the distressed areas, base strength and drainage, a thin overlay may be applied.

Asphalt streets rated as fair are ideal candidates for thinner surface-based rehabilitations and local repairs. Depending on the amount of localized failures, a thin edge mill and overlay, or possibly a surface treatment, would be a suitable rehabilitation strategy for streets rated as fair.

Streets in the upper limit of the fair category (PCI above 65) which exhibit minimal amounts of load associated distresses, are at their last window of opportunity for surface treatments activities (aka Global work). Applying a global surface treatment provides the greatest opportunity for extending pavement life at the lowest possible cost, thus applying the principles of the perpetual life cycle approach to pavement maintenance.

Satisfactory (PCI = 70 to 85) – Surface Treatments and Localized Rehabilitation

Garfield Avenue from West Scranton Avenue to Hancock Avenue (PCI = 79) – Rated as satisfactory, this road displays minor amounts of longitudinal and transverse cracking. The surface is slightly weathered and shows no signs of base failure. This street is an example of a candidate for a light-weight preventive surface treatment to extend the life of a roadway.

Asphalt streets rated as satisfactory generally need lightweight surface-based treatments such as surface seals, slurries, chip seals or microsurfacing. Routine maintenance such as crack sealing and localized repairs often precede surface treatments. The concept is to keep the cracks as waterproof as possible through crack sealing and the application of a surface treatment. By keeping water out of the base layers, the pavement life is extended without the need for thicker rehabilitations such as overlays or reconstruction. Surface treatments also tend to increase surface friction and visual appearance of the pavement surface but do not add structure or increase smoothness.

Surface treatments may include:

- *Double or single application of slurry seals (slurries are a sand and asphalt cement mix).*
- *Microsurfacing – asphalt cement and up to 3/8 sand aggregate.*
- *Chip seals and cape seals (Chip seal followed by a slurry).*

Additional cost benefits of early intervention include:

- *Less use of non-renewable resources through thinner rehabilitation strategies.*
- *Less intrusive rehabilitation and easier to maintain access during construction.*
- *Easier to maintain existing drainage patterns.*

Good (PCI = 85 to 100)

West Kohl Avenue from Campbell Court to Douglas Terrace (PCI = 99) – Rated as good, displaying little to no surface distresses. The ride is smooth, and the surface is non-weathered and the base is strong. In a couple of years, this street segment would be an ideal candidate for routine maintenance activities such as crack sealant rehabilitation.

In terms of pavement management efficiency, a program based on worst-first, that is starting at the lowest rated street and working up towards the highest, does not achieve optimal expenditure of money. Generally, under this scenario, agencies can not sufficiently fund pavement rehabilitation and lose ground despite injecting large amounts of capital into the network.

The preferred basis of rehabilitation candidate selection is to examine the cost of deferral of a street, against increased life expectancy.

4.3 Lake Bluff Network Condition Distribution

At the time of IMS's inspection, the Village's pavements were found to have an average PCI of 62. Roadways that were planned for resurfacing or reconstruction in 2021 (i.e., after the field inspection was performed) were assigned an assumed PCI value of 100. All other PCI values reflect the conditions of the roadways at the time of the field inspection.

While direct comparisons to other agencies are difficult due to variances in ratings systems, Lake Bluff is within the average when compared to other agencies recently surveyed by IMS, which typically fall in the 60 to 65 range. The network pavement condition is shown in **Figure 8**.

- 22% of the network can be considered in 'Good' condition and require only routine maintenance.
- 21% of the network falls into the 'Satisfactory' classification. These are roads that benefit most from preventative maintenance techniques such as reclamite, slurry seals, and microsurfacing.
- 12% of the streets are rated as 'Fair' and are candidates for lighter surface-based rehabilitations such as thin overlays.
- 17% of network is in 'Poor' condition representing candidates for progressively thicker overlay-based rehabilitation. If left untreated, they will decline rapidly into reconstruction candidates.
- 26% of the network is rated as 'Very Poor', meaning these roadways are past their optimal due point for overlay or surface-based rehabilitation and may require progressively heavier or thicker forms of rehabilitation (such as surface reconstruction or deep structural patching and paving) or total reconstruction.
- The final 2% falls into the Serious/Failed condition indicating partial to full reconstruction is required to return these segments to full service.

At the time of IMS's inspection, the Village's pavements were found to have an average IRI value of 303 inches/mile, which indicates overall "marginally rough" pavement. IRI values were not adjusted for roadways that were planned for resurfacing or reconstruction in 2021.

Table 3 provides Lake Bluff's network condition summaries (PCI and IRI) for different functional classes and surface types.

Table 3 - Network Pavement Condition Summary by Functional Class and Surface Type

Lake Bluff, IL

Network Summary by Functional Class

Condition Index	Network	A	C	E
Last Survey* Pavement Condition Index (PCI)	62	36	60	63
International Roughness Index (IRI) in/mi	303	430	263	304

*Roadways that were planned for resurfacing or reconstruction in 2021 (i.e., after the field inspection was performed) were assigned an assumed PCI value of 100.

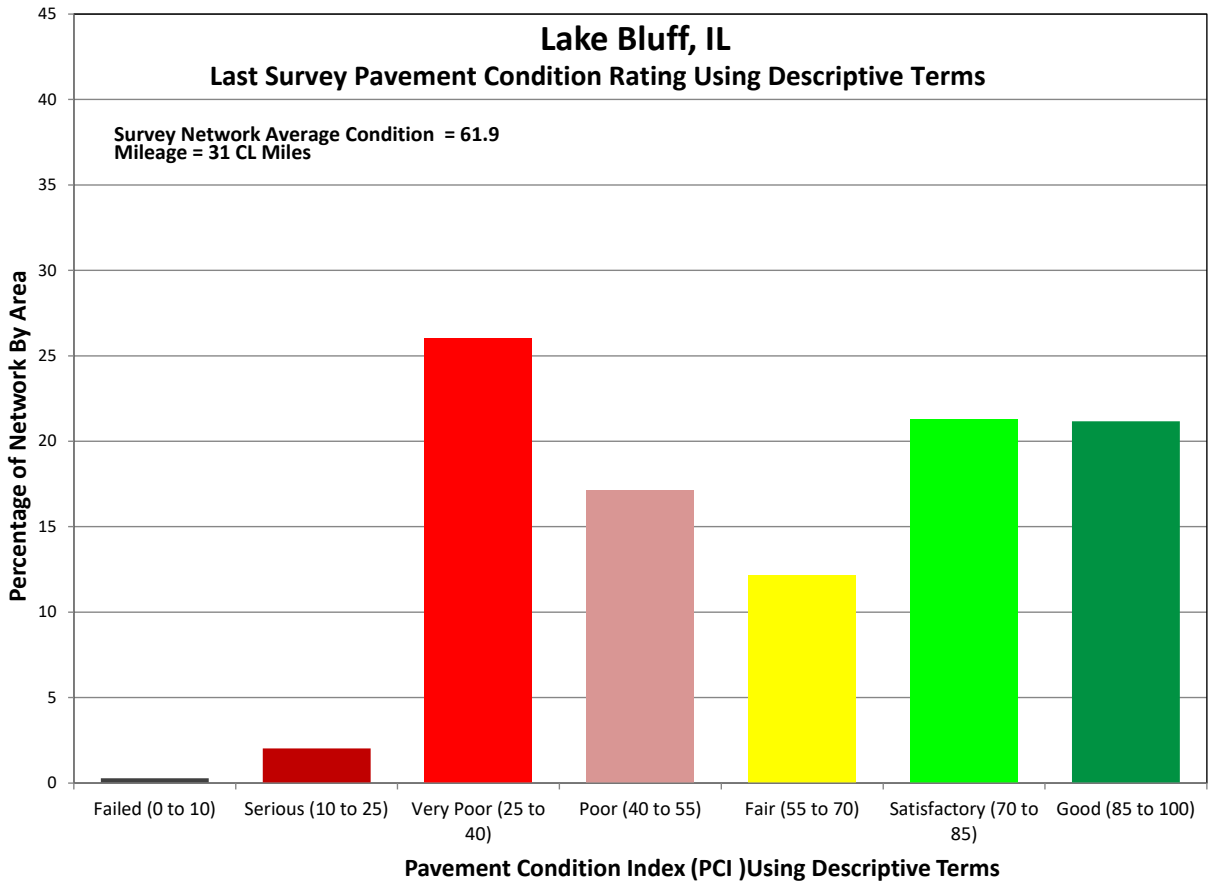


Figure 8 - Roadway Network Present Status Using Descriptive Terms

Figure 9 and **Figure 10** presents the PCI and IRI color-coded map of the as surveyed condition of the streets, respectively. The high-resolution maps are appended to this report.

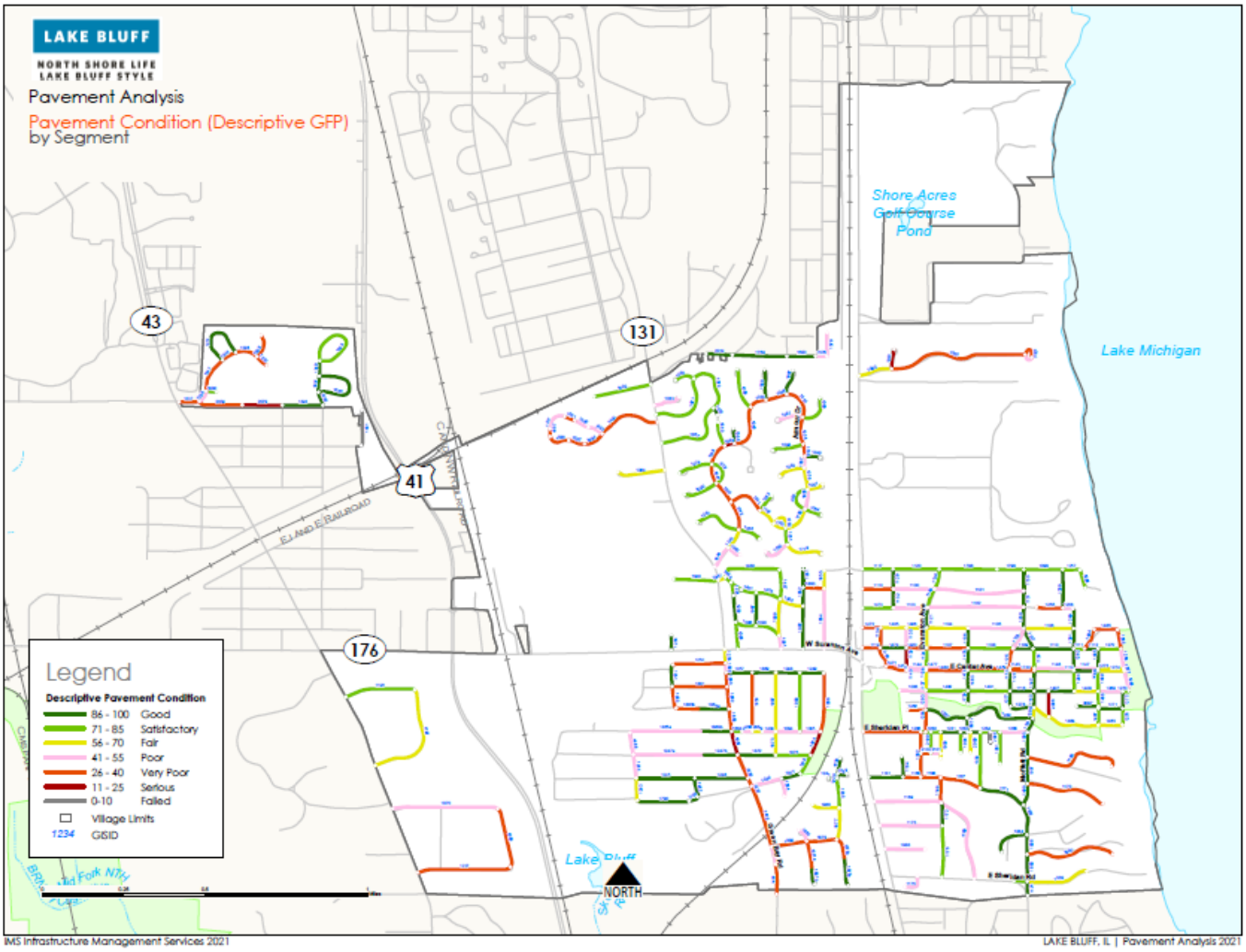


Figure 9 - Lake Bluff PCI by Segment Using Descriptive Terms

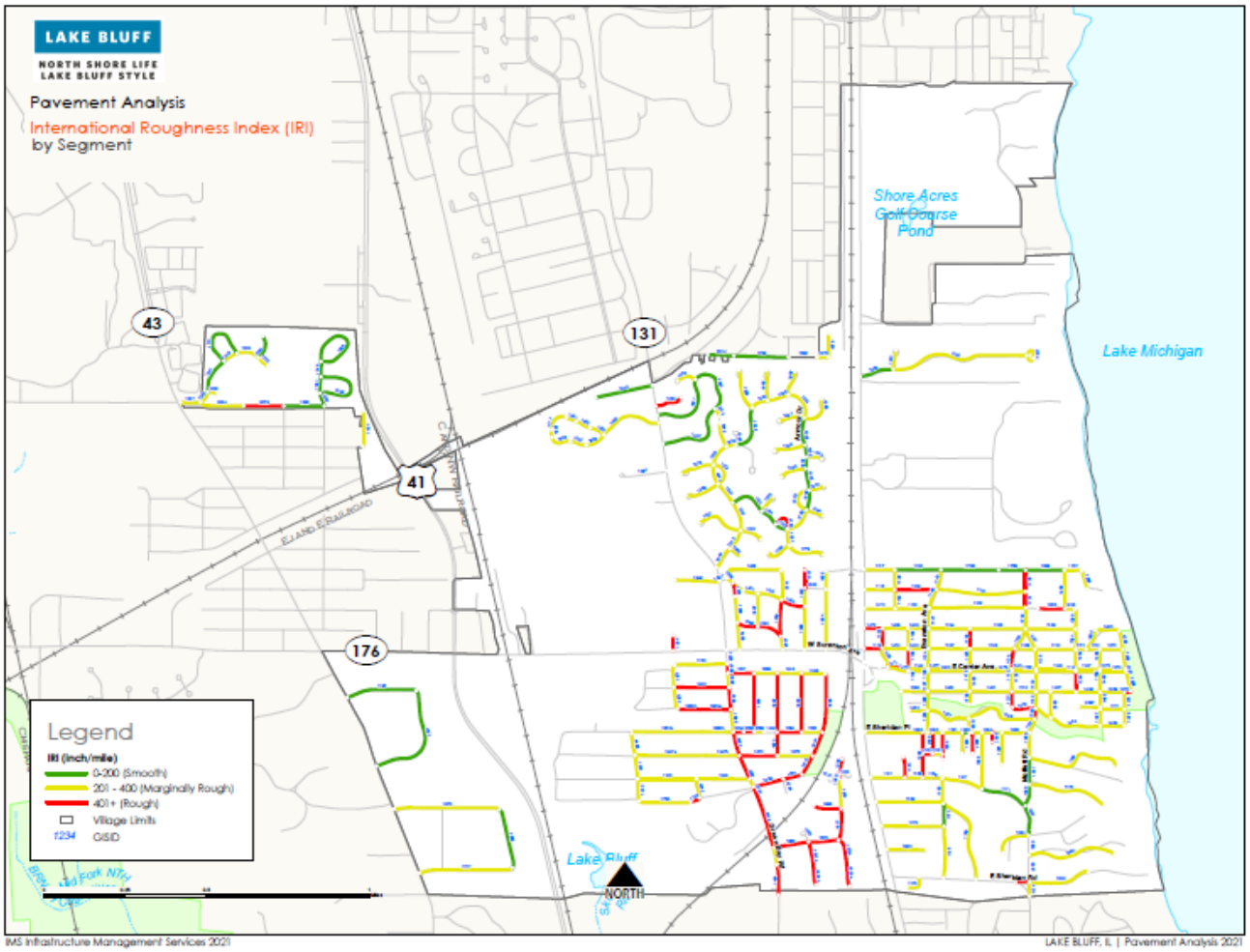


Figure 10 - Lake Bluff IRI by Segment Using Descriptive Terms

5.0 REHABILITATION PLAN AND BUDGET DEVELOPMENT

5.1 M&R Plan Types

For the Village's roadways, two types of M&R analyses were performed:

I. **Five-Year Major and Global M&R Plan:** A series of five-year analyses was performed to determine the impact of several funding levels on overall roadway conditions, or the funding required to achieve a certain overall condition. The analyses included:

- Assessing the impact of the Village's existing funding level.
- Determining the annual funding level needed to maintain the Village's existing overall average roadway condition or to achieve a desired overall, network-average condition.
- Determining the annual funding level needed to eliminate the Village's major M&R backlog over a five-year period.

II. **One-Year Localized Distress Maintenance Plan:** A one-year analysis was performed to identify pavements that may benefit from preventive or stopgap (safety-related) localized maintenance activities, such as crack sealing or localized patching based on the observed distresses.

5.2 Key Analysis Set Points and Analysis Assumptions

The PAVER program requires user inputs to complete its condition forecasting, prioritization, and budget analysis. The M&R analyses were based on the results of the April of 2021 PCI survey and the pavement inventory and historical work records provided by the Village and stored in the Village's PAVER database. All analyses were performed with the start date of May 1st, 2022 (FY23), and assuming a 3% inflation rate. The other assumptions made in our analyses include:

- **Pavement Performance Curves:** Pavement performance curves (aka deterioration curves) are used to predict future pavement conditions. PAVER allows for historical M&R and inspection data to be used to build deterioration models that reflect actual pavement conditions over time for pavement families that share similar characteristics (e.g. functional class, pavement use, pavement type, pavement strength, AADT, soil properties, and construction methods). For Lake Bluff, performance curves were calibrated using the provided work history by the Village, the most recent PCI survey, and a review of google street view historical images. **Figure 11** , **Figure 12** and **Figure 13** show the calibrated performance curves assigned to local and collector roads, respectively.

- **Critical PCI:** Paver allows the user to pick a point in the pavement performance curve where rehabilitation is deemed most necessary. As indicated by the solid horizontal orange line in **Figure 11** , **Figure 12** and **Figure 13**, this point coincides with an increase in the PCI deterioration rate and/or an increase in the cost of rehabilitation. The Critical PCI value represents the condition at or below which Major M&R (e.g., resurfacing and reconstruction) is typically recommended. Performing major M&R on pavements that are closer to the critical PCI of 55 through resurfacing, rather than waiting for these pavements to deteriorate further to reconstruction is generally more cost effective and is prioritized in PAVER.

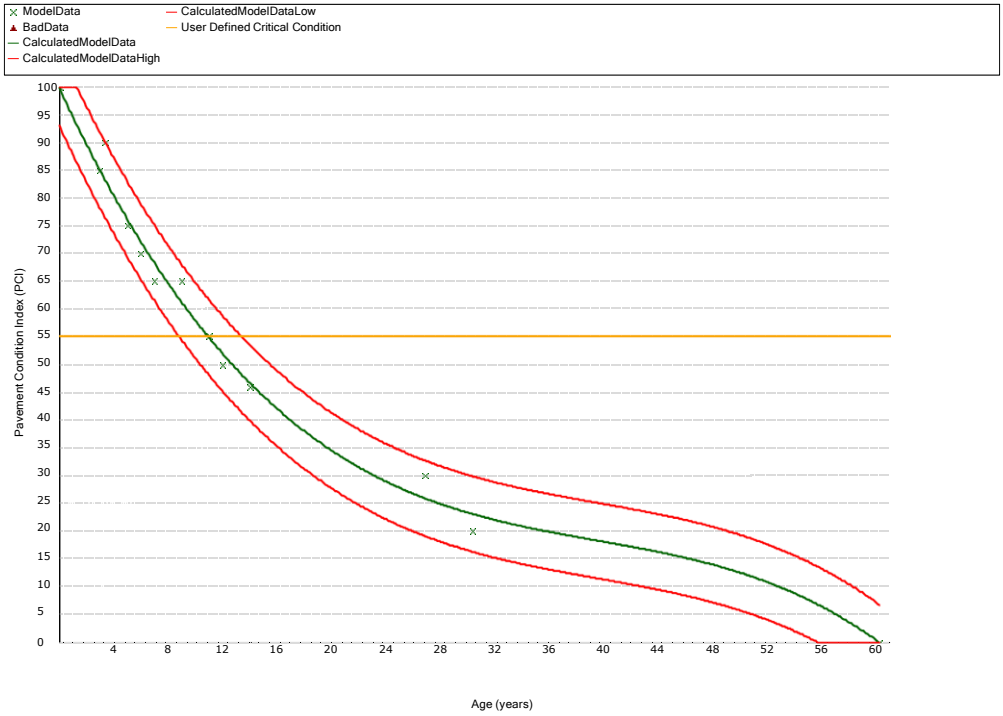


Figure 11 - Performance Curve (Arterial)

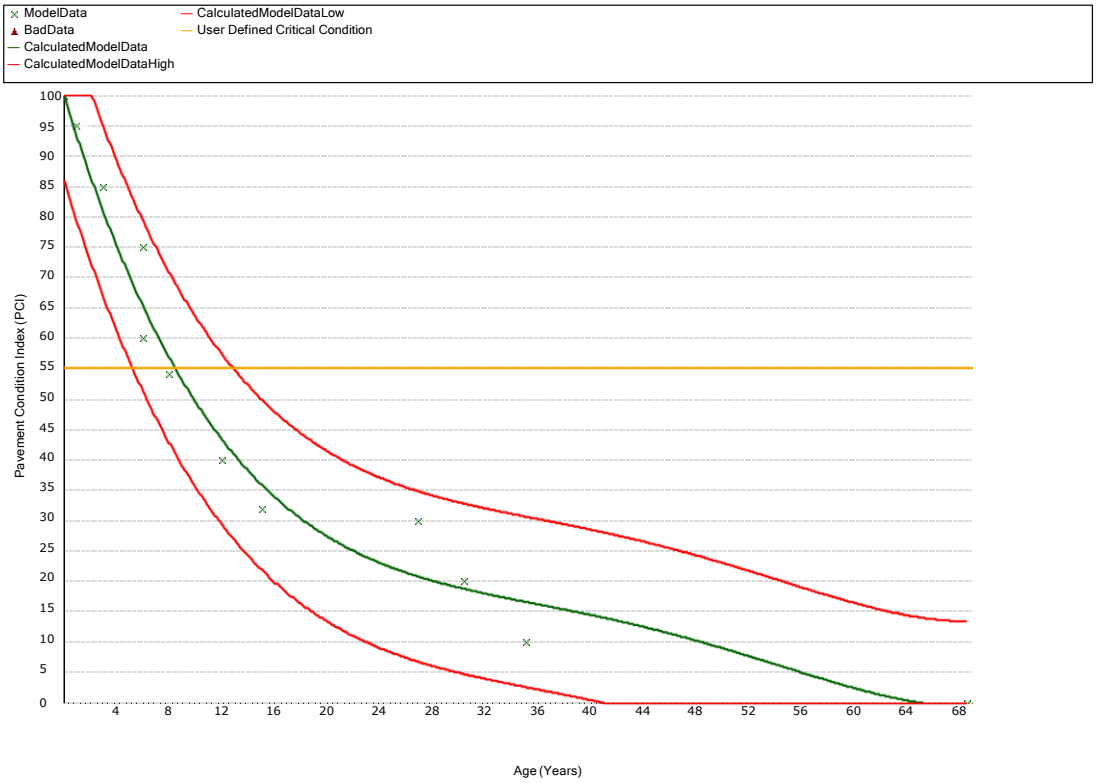


Figure 12 - Performance Curve (Collector)

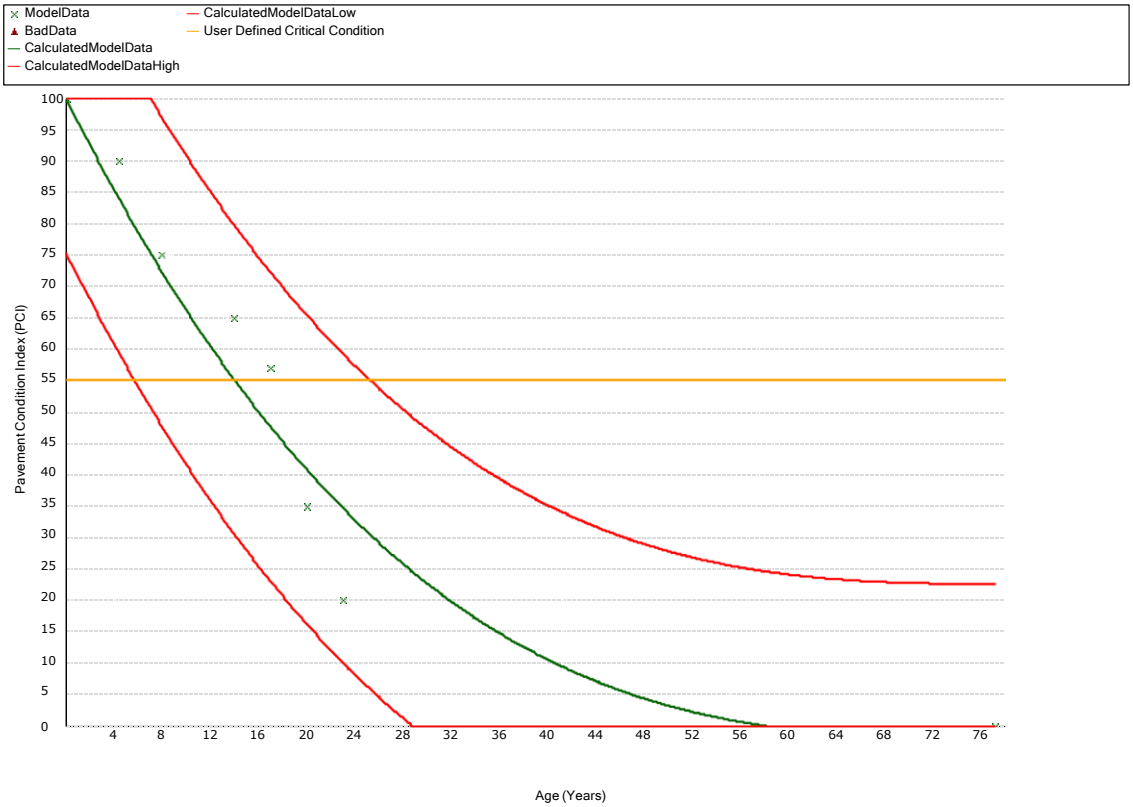


Figure 13 - Performance Curve (Local)

- **M&R Categories, Rates, and Policies:** PAVER groups M&R activities into four categories designated as Major, Global Preventive, Localized Preventive, and Localized Stopgap work.
  - **Major M&R:** Major M&R include structural overlays, mill and overlays, and partial and full reconstructions activities and reset the PCI to 100.
  - Table 4**a** presents estimated unit costs and recommended PCI ranges for various major M&R activities provided by the Village while **Table 4b** presents the Global M&R strategies. The estimated costs presented should be considered rough estimates based on the assumed unit costs only and should not be considered engineering estimates. For Village, only pavements at or below the Critical PCI of 55 were considered to trigger major M&R recommendations during the five-year analysis period.
  - **Global Preventive M&R:** Includes surface treatments such as Reclamite, Slurry Seal, and Microsurfacing. These treatments should be applied to pavements in good or satisfactory conditions with minimal load associated distresses. While they do not reset the PCI to 100, they provide an increase in the PCI and extend the pavement life as shown earlier in **Figure 3**. For the Village, pavements with PCI values of 65 or better with minimum age of 2 years,

exhibiting minimal load associated distresses were considered to trigger global M&R recommendations during the five-year analysis period.

- **Localized Preventive M&R:** Includes localized activities such as crack sealing and patching that are applied to pavements above critical PCI. **Table 6** presents estimated unit costs for these activities. The estimated costs presented should be considered rough estimates based on the assumed unit costs only and should not be considered engineering estimates. These localized activities are considered as part of PAVER's one-year localized distress maintenance plan (Plan II).
- **Localized Stopgap M&R:** Includes localized stopgap (safety related) activities such as patching that are applied to severe distresses posing a safety concern on pavements with a PCI below critical pending the availability of major M&R funds. **Table 6** presents estimated unit costs for these activities. The estimated costs presented should be considered rough estimates based on the assumed unit costs only and should not be considered engineering estimates. These localized activities are considered as part of PAVER's one-year localized distress maintenance plan (Plan II). Recommended localized stopgap 'distress maintenance policy' for asphalt pavements is shown in **Table 8.** The policy table shows what type of repair activity should be applied to each distress type and severity combination.

- **Selection and Prioritization of Rehab Candidates**
  - **Priority ranking** - Analysis in Paver uses prioritization for rehabilitation candidate selection based on segments Use and Rank. In the program "Use" defines the role the pavement plays (Roadway, Parking Lot, Driveway), while "Rank" defines its functional class. Since this project only focused on roadways, the prioritization will be entirely based on Rank. Generally, higher traffic functional classes receive a higher priority. This ensures that streets that service the most residents undergo rehabilitation first to provide as much benefit per person as possible. For the Village of Lake Bluff, this places Collector segments at a higher priority than Local streets.
  - **Priority of M&R Category** – For the five-year plans for Lake Bluff, global and major M&R (below critical) were considered. Following the principals of pavement management, PAVER priorities global preventive work over major M&R works (resurfacing and reconstruction).
  - **Proximity to Critical PCI** - When selecting major M&R candidates for pavements below critical PCI, pavements with PCI values closer to the critical PCI of 55 receive a higher priority to allow for more resurfacing projects, rather than waiting for these pavements to deteriorate further to become reconstruction candidates.

Table 4a - Major M&R Strategies and Unite Rates

Rehab Code	Typical Rehab Activity	PCI	Unit Rates ($/sf)
	-	100	0.00
		90	0.00
MOL	Cold Mill and Overlay	80	1.50
		70	1.50
MOL-2	Cold Mill and Overlay - 2 Inches	60	1.81
MOL-3	Cold Mill and Overlay - 3 Inches	50	2.34
MOL-4	Cold Mill and Overlay - 4 Inches	40	2.78
SR-AC	Surface Reconstruction - AC	30	4.80
		20	4.80
CR-AC	Complete Reconstruction - AC	10	8.00
		0	8.00

Table 5b - Global M&R Strategies and Unite Rates

Rehab Code	Typical Rehab Activity	PCI	Delta T	Unit Rates ($/sf)
ST-SS	Surface Treatment - Slurry Seal	65-85 with Climate Related Distresses	+3	0.35
GL-AT	Overlay - AC Thin (Global)	65-85 with Skid-Causing Distress	+8	1.39

Table 6 - Localized Preventative and Stopgap M&R Strategies and Unite Rates

Pavement Type	Rehab Code	Rehab Activity	Unit Rates ($)	Unit
Asphalt	CS-AC	Crack Sealing - AC	1.00	Ft
Asphalt	PA-AL	Patching - AC Leveling	2.33	SqFt
Asphalt	PA-AS	Patching - AC Shallow	3.33	SqFt
Asphalt	PA-AD	Patching - AC Deep	4.33	SqFt

Table 7 - Localized Preventative M&R Distress Maintenance Policy

Distress	Severity	Description	Code	Work Type	Work Unit
1	High	ALLIGATOR CR	PA-AD	Patching - AC Deep	SqFt
1	Medium	ALLIGATOR CR	PA-AD	Patching - AC Deep	SqFt
3	High	BLOCK CR	CS-AC	Crack Sealing - AC	Ft
3	Medium	BLOCK CR	CS-AC	Crack Sealing - AC	Ft
4	High	BUMPS/SAGS	PA-AD	Patching - AC Deep	SqFt
4	Medium	BUMPS/SAGS	PA-AS	Patching - AC Shallow	SqFt
5	High	CORRUGATION	PA-AD	Patching - AC Deep	SqFt
5	Medium	CORRUGATION	PA-AS	Patching - AC Shallow	SqFt
6	High	DEPRESSION	PA-AD	Patching - AC Deep	SqFt
6	Medium	DEPRESSION	PA-AD	Patching - AC Deep	SqFt
7	High	EDGE CR	PA-AS	Patching - AC Shallow	SqFt
7	Medium	EDGE CR	CS-AC	Crack Sealing - AC	Ft
8	High	JT REF. CR	PA-AS	Patching - AC Shallow	SqFt
8	Medium	JT REF. CR	CS-AC	Crack Sealing - AC	Ft
9	High	LANE SH DROP	SH-LE	Shoulder leveling	Ft
9	Medium	LANE SH DROP	SH-LE	Shoulder leveling	Ft
10	High	L & T CR	PA-AS	Patching - AC Shallow	SqFt
10	Medium	L & T CR	CS-AC	Crack Sealing - AC	Ft
11	High	PATCH/UT CUT	PA-AD	Patching - AC Deep	SqFt
13	High	POTHOLE	PA-AD	Patching - AC Deep	SqFt
13	Low	POTHOLE	PA-AD	Patching - AC Deep	SqFt
13	Medium	POTHOLE	PA-AD	Patching - AC Deep	SqFt
15	High	RUTTING	PA-AD	Patching - AC Deep	SqFt
15	Medium	RUTTING	PA-AS	Patching - AC Shallow	SqFt
16	High	SHOVING	GR-PP	Grinding (Localized)	Ft
16	Medium	SHOVING	GR-PP	Grinding (Localized)	Ft
17	High	SLIPPAGE CR	PA-AS	Patching - AC Shallow	SqFt
17	Medium	SLIPPAGE CR	PA-AS	Patching - AC Shallow	SqFt
21	High	BLOW UP	PA-PF	Patching - PCC Full Depth	SqFt
21	Medium	BLOW UP	PA-PF	Patching - PCC Full Depth	SqFt
22	High	CORNER BREAK	PA-PF	Patching - PCC Full Depth	SqFt
22	Medium	CORNER BREAK	CS-PC	Crack Sealing - PCC	Ft
23	High	DIVIDED SLAB	SL-PC	Slab Replacement - PCC	SqFt
23	Medium	DIVIDED SLAB	SL-PC	Slab Replacement - PCC	SqFt
24	High	DURABIL. CR	SL-PC	Slab Replacement - PCC	SqFt
24	Medium	DURABIL. CR	PA-PF	Patching - PCC Full Depth	SqFt
25	High	FAULTING	GR-PP	Grinding (Localized)	Ft
25	Medium	FAULTING	GR-PP	Grinding (Localized)	Ft
26	High	JT SEAL DMG	JS-LC	Joint Seal (Localized)	Ft
27	High	LAND SH DROP	SH-LE	Shoulder leveling	Ft
27	Medium	LAND SH DROP	SH-LE	Shoulder leveling	Ft
28	High	LINEAR CR	PA-PP	Patching - PCC Partial Depth	SqFt
28	Medium	LINEAR CR	CS-PC	Crack Sealing - PCC	Ft
29	High	LARGE PATCH	PA-PF	Patching - PCC Full Depth	SqFt
30	High	SMALL PATCH	PA-PP	Patching - PCC Partial Depth	SqFt
34	High	PUNCHOUT	SL-PC	Slab Replacement - PCC	SqFt
34	Medium	PUNCHOUT	PA-PF	Patching - PCC Full Depth	SqFt
36	High	SCALING	SL-PC	Slab Replacement - PCC	SqFt
38	High	CORNER SPALL	PA-PP	Patching - PCC Partial Depth	SqFt
38	Medium	CORNER SPALL	PA-PP	Patching - PCC Partial Depth	SqFt
39	High	JOINT SPALL	PA-PP	Patching - PCC Partial Depth	SqFt
39	Medium	JOINT SPALL	PA-PP	Patching - PCC Partial Depth	SqFt

Table 8 - Localized Stopgap M&R Distress Maintenance Policy

Distress	Severity	Description	Code	Work Type	Work Unit
4	High	BUMPS/SAGS	PA-AS	Patching - AC Shallow	SqFt
5	High	CORRUGATION	PA-AS	Patching - AC Shallow	SqFt
9	High	LANE SH DROP	SH-LE	Shoulder leveling	Ft
11	High	PATCH/UT CUT	PA-AS	Patching - AC Shallow	SqFt
13	High	POTHOLE	PA-AD	Patching - AC Deep	SqFt
13	Medium	POTHOLE	PA-AD	Patching - AC Deep	SqFt
15	High	RUTTING	PA-AS	Patching - AC Shallow	SqFt
16	High	SHOVING	PA-AS	Patching - AC Shallow	SqFt
17	High	SLIPPAGE CR	PA-AS	Patching - AC Shallow	SqFt
21	High	BLOW UP	PA-PF	Patching - PCC Full Depth	SqFt
22	High	CORNER BREAK	PA-AL	Patching - AC Leveling	SqFt
23	High	DIVIDED SLAB	PA-AL	Patching - AC Leveling	SqFt
24	High	DURABIL. CR	PA-AL	Patching - AC Leveling	SqFt
25	High	FAULTING	GR-PP	Grinding (Localized)	Ft
27	High	LAND SH DROP	SH-LE	Shoulder leveling	Ft
29	High	LARGE PATCH	PA-AL	Patching - AC Leveling	SqFt
34	High	PUNCHOUT	PA-AL	Patching - AC Leveling	SqFt
38	High	CORNER SPALL	PA-AL	Patching - AC Leveling	SqFt
39	High	JOINT SPALL	PA-AL	Patching - AC Leveling	SqFt

The net result of the five-year plans is a program that favors global surface treatments, followed by moderate to thick overlays, then partial reconstruction projects, and finally full reconstruction projects.

The one-year localized maintenance plan provides candidate projects for crack sealing and patching based on the observed distresses and the implemented distress maintenance policies.

5.3 Five-Year Major and Global M&R Plan Results

Several What-if scenarios were prepared for Lake Bluff based on the assumptions provided in the previous section.

Do Nothing – The Do Nothing budget involves measuring the projected network conditions after a five-year lapse of funding. This results in an approximate PCI of 48 and a backlog of $10M. The backlog is the unfunded budget for pavements below critical PCI of 55.

Lake Bluff Budget – Lake Bluff currently has an annual budget of $615k/Yr from which $450k/Yr is set aside for pavement related activities. Of the $450k/Yr pavement budget, $15k/Yr is set aside for global preventive maintenance activities. About 27% of the total budget ($165k/Yr) has been allocated specifically for non-pavement activities such as concrete repairs (sidewalk, curb & gutter, ADA ramps, etc.). The pavement budget of $450K/yr results in a post-rehab PCI of 57 with an estimated backlog of $7.3M.

Steady State PCI - The Steady State PCI is designed to maintain the current PCI as recorded at the start of the analysis. In the case of Lake Bluff a budget of $456k/Yr is required to maintain the PCI at a 59 over the 5-year budget horizon. This level of funding results in a 5-year backlog of approximately $8M.

Target PCI 65/70/75 – Three target PCI budgets were run to identify the funding needed to secure a five-year post rehab PCI of 65, 70 and 75. The Target PCI of 65 budget is requires an annual budget of $750k/Yr for five years and results in a backlog of $5.9M. The Target PCI of 70 budget is requires an annual budget of $980K/yr for five years and results in a backlog of $4.5M. The Target PCI of 75 budget is on the order of $1.26M/yr and results in a backlog of $2.8M/yr.

Eliminate Backlog – An average annual budget of $1.74M was identified to eliminate the M&R backlog in five years. This budget will also result in a post rehab PCI of 84.

The results of the five-year analysis are summarized in **Figure 14** to **Figure 16**. **Figure 14** presents the anticipated annual PCIs for each of the above plans. **Figure 15** presents the five-year post rehab PCI versus various annual budgets. The diagonal blue line can be used to interpolate and determine the five-year Post Rehab PCI for any annual budget of interest. **Figure 16** presents the resultant network backlog against the annual budget. The blue diagonal line represents the total backlog after five-years as a result of a given annual budget.

The consequences of the annual funding scenarios are shown in **Table 9**. This table illustrates the concept of "total cost." By treating both the total annual M&R expenditures and the remaining major M&R backlog at the end of the five-year period as costs to the Village, the benefit of increasing annual funding – which results in a smaller major M&R backlog – is clearly illustrated. Consequently, eliminating the major M&R backlog over a five-year period result in the lowest total cost to the Village.

It is important to note that these recommendations do not consider geographic proximity. Consequently, these recommendations should be grouped into practical projects during the Village's planning process. An electronic version of these maps are appended to this report.

Appendix B presents tabular data showing the estimated cost to repair each of the roads recommended for major and global M&R over the next five years based on the Village's existing funding level. **Appendix D** presents similar data assuming an annual $1.74M budget required to eliminate M&R backlog in five years.

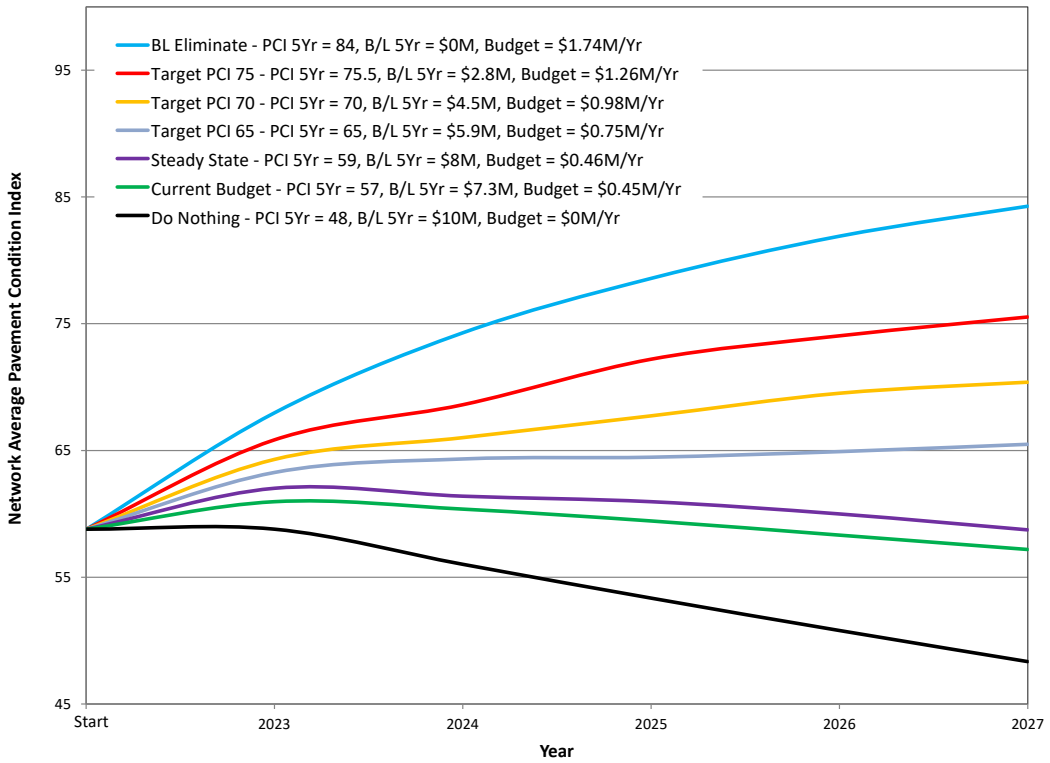


Figure 14 - Five-year Annual PCI

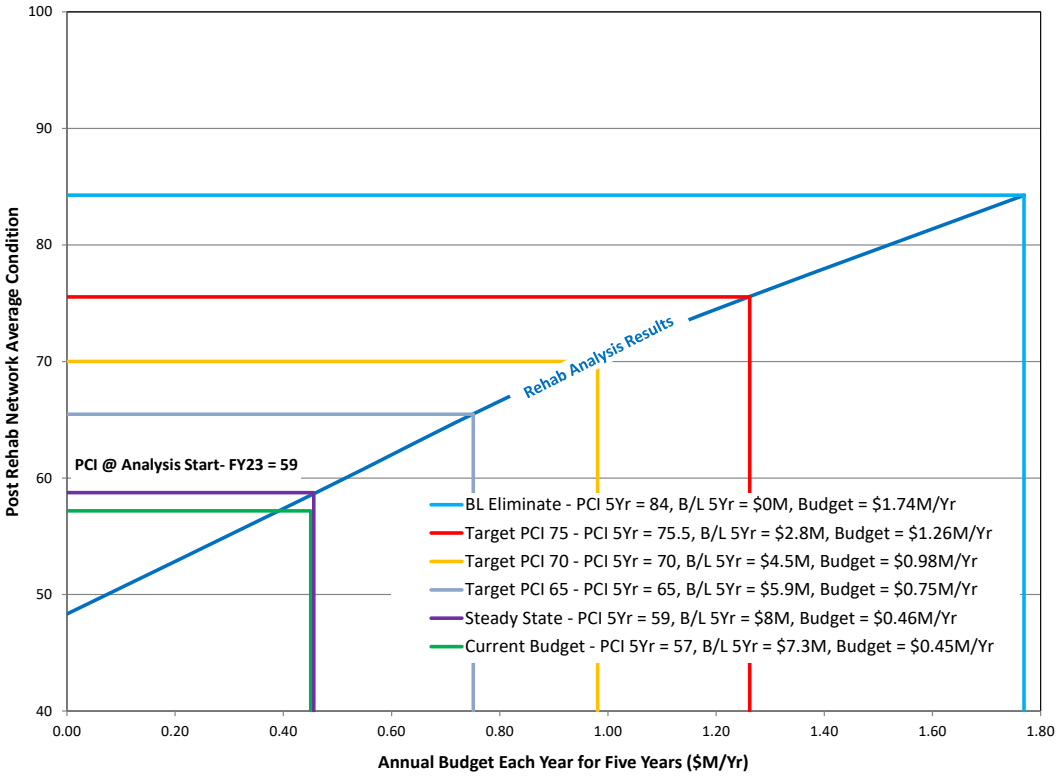


Figure 15 - Five-year Post Rehab Network PCI Analysis Results

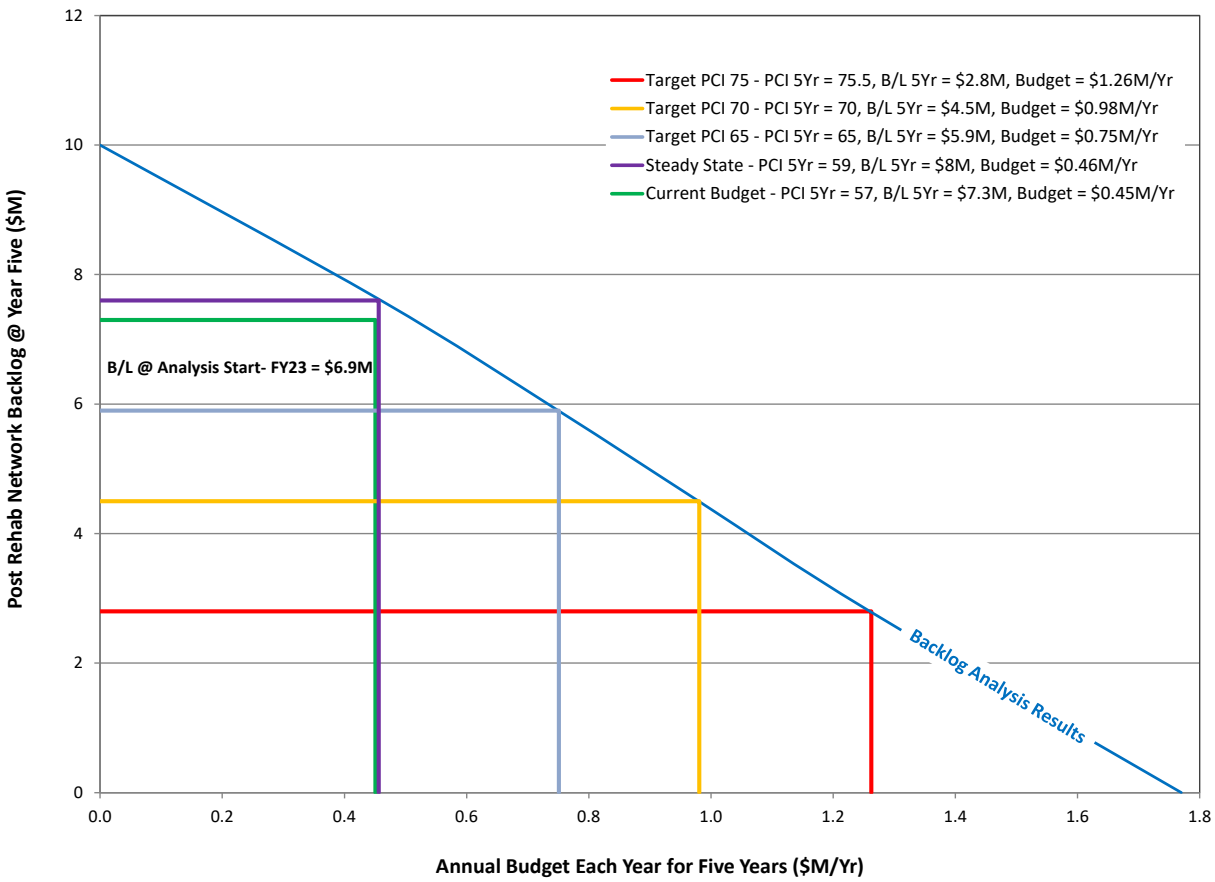


Figure 16 - Five-year Post Rehab Network Backlog Results

Table 9 - Estimated Five-Year Pavement M&R Costs

Scenario Description	Annual Budget	Total Five-Year M&R Costs (FY23-FY27)	Remaining M&R Backlog[1] (FY27)	Total Five-Year Cost[2]	5th Year PCI
Do Nothing	$0k/Yr	$0k	$10M	$10M	48
Current Funding Steady	$449k/Yr	$2.24M	$7.3M	$9.6M	57
State PCI of 59	$456k/Yr	$2.28M	$7.6M	$9.8M	59
Target PCI 65	$750k/Yr	$3.75M	$5.9M	$9.6M	65
Target PCI 70	$979k/Yr	$4.89M	$4.5M	$9.4M	70
Target PCI 75	$1.26M/Yr	$6.3M	$2.8M	$9.1M	76
Eliminate B/L 5 Yrs	$1.74M/Yr	$8.7M	$0M	$8.7M	84

1) "M&R Backlog" equals the lump-sum cost to resurface/reconstruct all pavements at or below their critical PCI value.
2) "Total five-year cost" equals the sum of the five-year major M&R expenditures plus the remaining major M&R backlog at the end of the five-year analysis period.

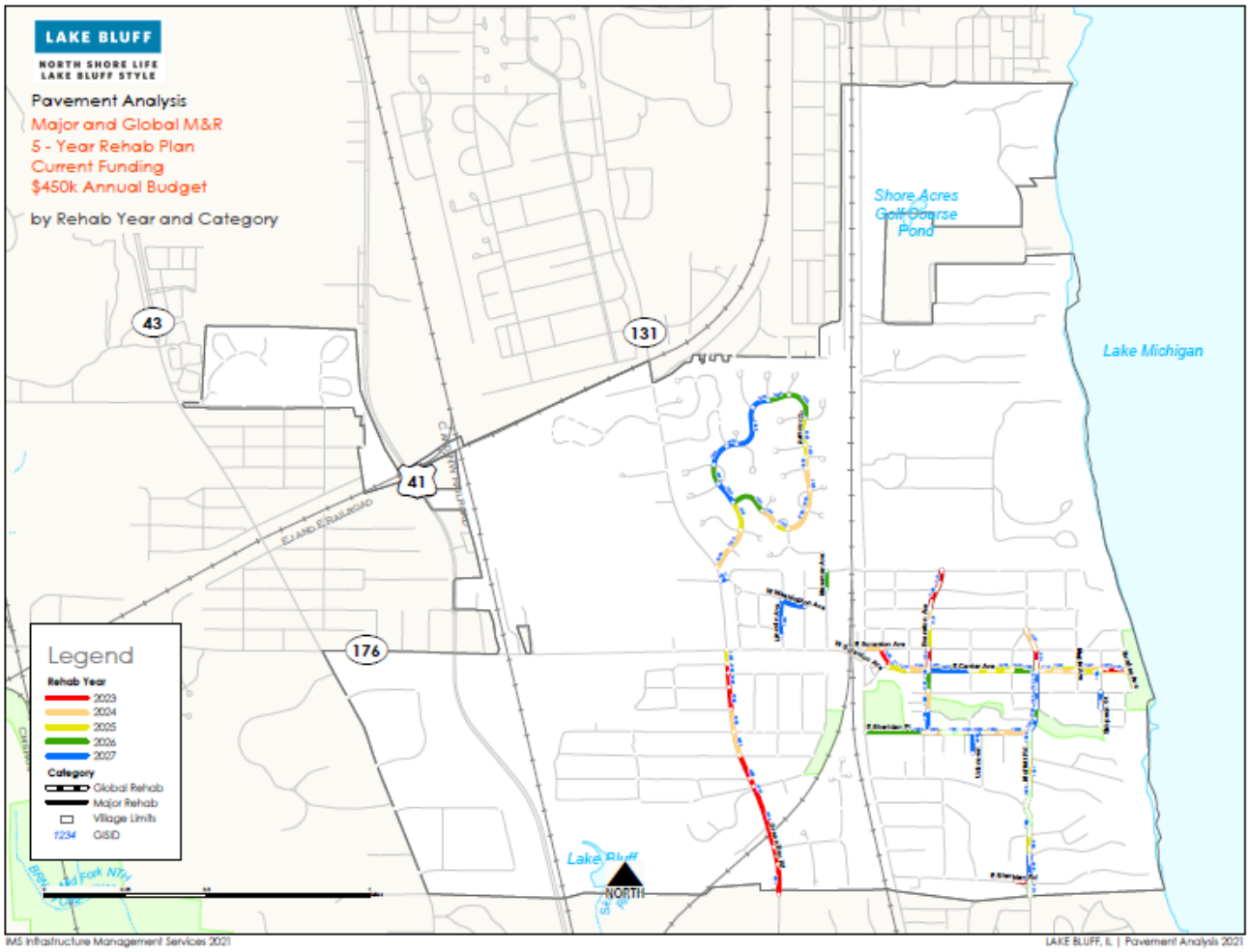


Figure 17 - Lake Bluff Five-year M&R Plan assuming a $450k Annual Budget

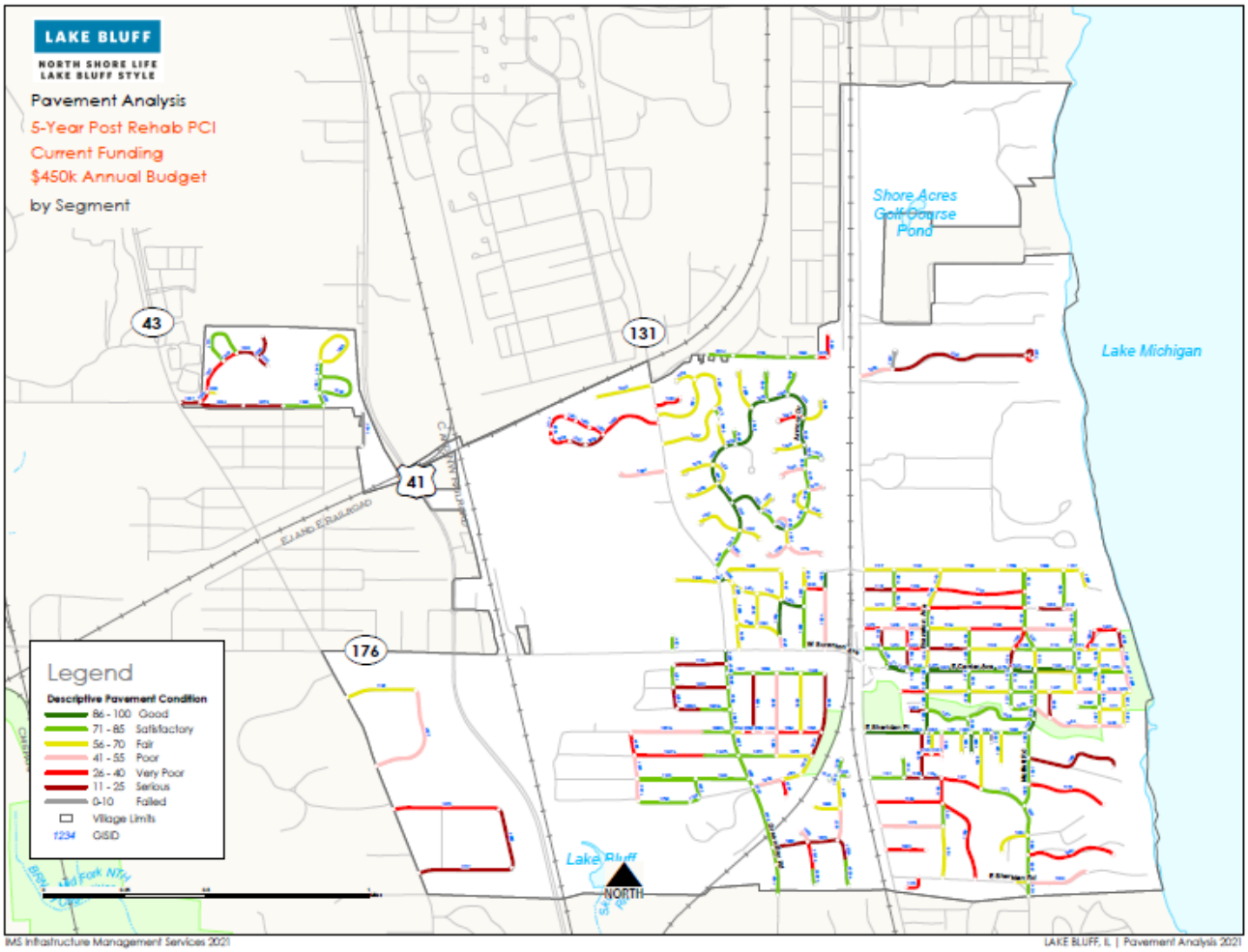


Figure 18 - Lake Bluff Five-year Post PCI assuming a $450k Annual Budget

5.4 One-Year Localized Distress Maintenance Plan

Figure 19 shows all roads that are candidates for localized preventive and localized stopgap maintenance such as crack sealing and localized patching. While crack sealing can be an effective treatment for preserving roadways in good condition, its utility diminishes when applied to roadways that are already in poor condition or are exhibiting signs of structural failure.

The total one-year preventive maintenance cost is estimated to be approximately $50k as shown in

Table **10**. Appendix D presents tabular data showing one-year estimated costs to apply preventive and stopgap maintenance to each of the candidate roadways.

Table 10 - Preventive Maintenance Summary

Policy	Work Description	Work Quantity	Work Units	Work Cost
Preventive	Crack Sealing - AC	26350.8	Ft	$26,350
Preventive	Patching - AC Shallow	155.3	SqFt	$517
Preventive	Patching - AC Deep	4384.29	SqFt	$18,984
Stopgap	Patching - AC Deep	280.74	SqFt	$1,216
Stopgap	Patching - AC Shallow	1076.61	SqFt	$3,585
Preventive				$45,852
Stopgap				$4,801
Total				$50,652

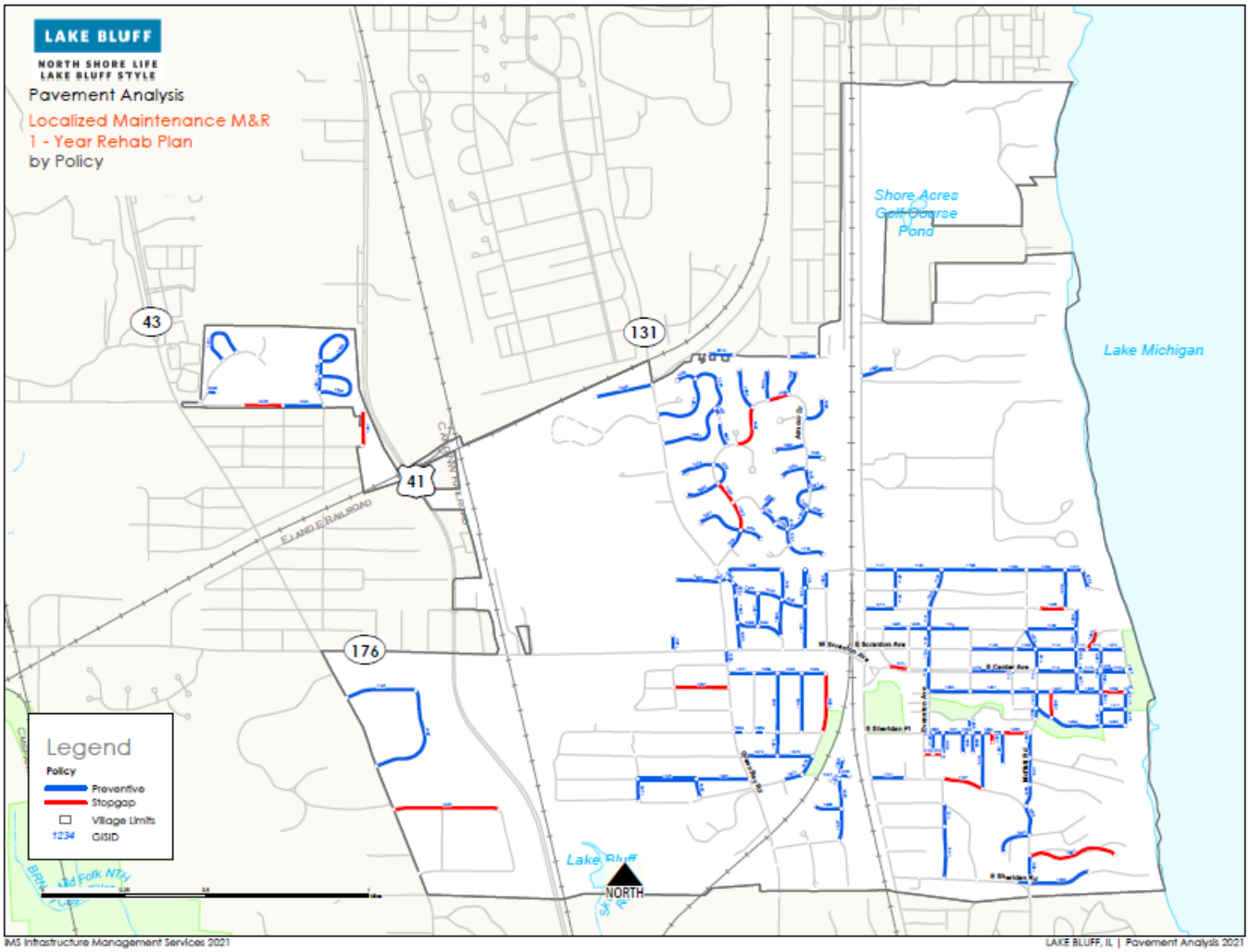


Figure 19 - Lake Bluff Localized Maintenance Plan

5.5 Network Recommendations and Comments

The following recommendations are presented to Lake Bluff as an output from the pavement analysis and must be read in conjunction with the attached reports.

1. Lake Bluff should adopt a policy statement to maintain PCI at or above a 60.

   An annual budget of $450K (dedicated to pavement rehabilitation) will achieve a network average PCI of 57 and backlog of $7.3M. Around $165k in addition to the above annual budget has been set aside for concrete repairs (sidewalk, curb & gutter, ADA ramps, etc.).

2. The full suite of proposed rehabilitation strategies and unit rates should be reviewed annually as these can have considerable effects on the final program.

3. No allowance has been made for network growth. As the Village expands or increases the amount of paved roads, increased budgets will be required.

4. Moving forward, the Village should perform pavement condition surveys on a routine basis to objectively monitor pavement performance, determine near-term M&R needs, evaluate the effectiveness of M&R activities, develop pavement deterioration trends, and forecast near- and long-term pavement M&R needs.

Appendix A

Street Inventory and Condition Summary

Lake Bluff, IL

Appendix A - Street Inventory and Condition Summary

GISID / Section ID	Branch Name	From	To	Pavement Length (ft)	Pavement Width (ft)	Total Area (ft2)	Section Rank	Pavement Conditions: Last Survey Date (mm/dd/yyyy)	Last Survey PCI	PCI Category	PCI Pct Climate	PCI Pct Load	PCI Pct Other	Survey IRI (in/mi) (April 2021)	IRI Category
1001	E SCRANTON AVE	DS@246N SHERIDAN RD	E SCRANTON AVE	200	23	4600	O	4/15/2021	70	Fair	100	0	0	529	Rough
1002	E SCRANTON AVE	W SCRANTON AVE	E SCRANTON AVE	209	24	5016	O	4/15/2021	71	Satisfactory	88	12	0	310	Marginal
1003	E PROSPECT AVE	WEST END	EVANSTON AVE	430	20	8600	E	4/15/2021	47	Poor	68	31	1	375	Marginal
1004	FOSS CT	SOUTH END	E SHERIDAN PL	337	18	6066	E	4/15/2021	84	Satisfactory	37	63	0	287	Marginal
1005	MOFFETT RD	LAKELAND DR	E SHERIDAN PL	405	22	8910	C	4/15/2021	95	Good	100	0	0	209	Marginal
1006	HIRST CT	SOUTH END	E SHERIDAN PL	428	21	8962	E	4/15/2021	60	Fair	51	49	0	556	Rough
1007	MOFFETT RD	FOREST COVE RD	LAKELAND DR	431	22	9482	C	4/15/2021	91	Good	46	54	0	140	Smooth
1030	W SANCTUARY LN	EAST END	W SANCTUARY LN	167	46	7684	E	4/15/2021	71	Satisfactory	82	18	0	323	Marginal
1031	N BIRCH AVE	MEADOW CIR	MEADOW CIR	263	25	6575	E	4/15/2021	100	Good	100	0	0	164	Smooth
1032	SIGNE CT	GREEN BAY RD	WEST END	941	23	21440	E	4/15/2021	81	Satisfactory	100	0	0	177	Smooth
1033	ARMOUR DR	NORWICH CT	MARGATE CT	285	23	6555	C	4/15/2021	32	Very Poor	46	46	8	215	Marginal
1034	ARMOUR DR	LANCASTER CT	INVERNESS CT	540	23	12420	C	4/15/2021	33	Very Poor	40	44	16	349	Marginal
1035	ARMOUR DR	INVERNESS CT	HAMILTON CT	450	23	10350	C	4/15/2021	39	Very Poor	54	27	19	157	Smooth
1036	ARMOUR DR	HAMILTON CT	GREENWICH CT	196	23	4508	C	4/15/2021	40	Very Poor	53	25	22	198	Smooth
1037	ARMOUR DR	GREENWICH CT	GRAFTON CT	189	23	4347	C	4/15/2021	53	Poor	73	15	12	176	Smooth
1038	ARMOUR DR	GRAFTON CT	CARLYLE CIR	357	23	8211	C	4/15/2021	56	Fair	67	17	16	181	Smooth
1039	ARMOUR DR	CARLYLE CIR	BRISTOL CT	325	23	7475	C	4/15/2021	53	Poor	70	14	16	199	Smooth
1040	ARMOUR DR	DS@479N WEATHERFORD CT	WINCHESTER CT	390	22	8580	C	4/15/2021	27	Very Poor	32	55	13	246	Marginal
1041	ARMOUR DR	ASCOT CT	ARMOUR DR	607	23	13961	C	4/15/2021	36	Very Poor	48	52	0	197	Smooth
1042	ARMOUR DR	WEATHERFORD CT	DS@479N WEATHERFORD CT	479	22	10538	C	4/15/2021	39	Very Poor	45	49	6	231	Marginal
1043	ARMOUR DR	LEEDS CT	WEATHERFORD CT	343	22	7546	C	4/15/2021	59	Fair	90	10	0	206	Marginal
1044	ARMOUR DR	GREEN BAY RD	LEEDS CT	386	26	10036	C	4/15/2021	50	Poor	58	20	22	258	Marginal
1045	ARMOUR DR	PHILIP CT	NORWICH CT	763	23	17549	C	4/15/2021	30	Very Poor	34	52	14	191	Smooth
1046	ARMOUR DR	MARGATE CT	LANCASTER CT	352	23	8096	C	4/15/2021	32	Very Poor	37	58	5	217	Marginal
1047	HEATHROW CT	INVERNESS CT	WEST END	423	25	10575	E	4/15/2021	42	Poor	45	45	10	321	Marginal
1048	HAMILTON CT	ARMOUR DR	WEST END	509	24	12216	E	4/15/2021	77	Satisfactory	82	18	0	308	Marginal
1049	GREENWICH CT	EAST END	ARMOUR DR	258	23	5934	E	4/15/2021	93	Good	53	47	0	225	Marginal
1050	GRAFTON CT	ARMOUR DR	WEST END	435	25	10875	E	4/15/2021	58	Fair	52	48	0	368	Marginal
1051	COVENTRY CT	EAST END	CARLYLE CIR	261	22	5742	E	4/15/2021	63	Fair	50	50	0	331	Marginal
1052	CARLYLE CIR	ARMOUR DR	COVENTRY CT	512	21	10752	E	4/15/2021	72	Satisfactory	86	14	0	217	Marginal
1053	ASCOT CT	NE END	ARMOUR DR	307	24	7368	E	4/15/2021	75	Satisfactory	82	18	0	360	Marginal
1054	BRISTOL CT	EAST END	ARMOUR DR	289	22	6358	E	4/15/2021	71	Satisfactory	87	13	0	258	Marginal
1055	BUCKMINSTER CT	SE END	WEATHERFORD CT	378	22	8316	E	4/15/2021	84	Satisfactory	77	23	0	383	Marginal
1056	WARRINGTON CT	WARRINGTON DR	WEST END	326	23	7498	E	4/15/2021	81	Satisfactory	100	0	0	252	Marginal
1057	LANCASTER CT	ARMOUR DR	NORTH END	413	24	9912	E	4/15/2021	88	Good	81	2	17	236	Marginal

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1058	MARGATE CT	ARMOUR DR	NORTH END	496	25	12400	E	4/15/2021	93	Good	100	0	0	245	Marginal
1059	NORWICH CT	ARMOUR DR	NORTH END	679	23	15617	E	4/15/2021	71	Satisfactory	49	51	0	222	Marginal
1060	INVERNESS CT	NE END	HEATHROW CT	539	25	13475	E	4/15/2021	75	Satisfactory	92	8	0	255	Marginal
1061	ARBOR CT	ARBOR DR	NORTH END	319	37	11816	E	4/15/2021	11	Serious	29	71	0	338	Marginal
1062	ARBOR DR	SHERIDAN RD	ARBOR CT	550	22	12100	E	4/15/2021	62	Fair	52	48	0	154	Smooth
1063	ARBOR DR	ARBOR CT	ARBOR DR (S CIR)	2257	22	49654	E	4/15/2021	34	Very Poor	41	50	9	207	Marginal
1064	ARBOR DR N CIR	ARBOR DR (S CIR)	ARBOR DR (S CIR)	263	22	5786	E	4/15/2021	34	Very Poor	43	57	0	214	Marginal
1065	ARBOR DR S CIR	ARBOR DR (N CIR)	ARBOR DR (N CIR)	172	22	3784	E	4/15/2021	44	Poor	55	45	0	356	Marginal
1066	N BIRCH AVE	ATKINSON RD	MEADOW CIR	225	25	5625	E	4/15/2021	99	Good	100	0	0	199	Smooth
1070	WARRINGTON CT	JAMES CT	WARRINGTON CT	899	21	18879	E	4/15/2021	79	Satisfactory	100	0	0	130	Smooth
1071	WARRINGTON CT	WARRINGTON CT	GREEN BAY RD	1164	21	24444	E	4/15/2021	76	Satisfactory	84	16	0	150	Smooth
1072	JAMES CT	SE END	WARRINGTON DR	138	22	3036	E	4/15/2021	89	Good	100	0	0	211	Marginal
1078	ROTHBURY CT	ARMOUR DR	WEST END	558	23	12834	E	4/15/2021	81	Satisfactory	81	19	0	291	Marginal
1079	TROWBRIDGE CIR	ARMOUR DR	ARMOUR DR	454	22	9988	E	4/15/2021	84	Satisfactory	83	17	0	272	Marginal
1080	WINCHESTER CT	ARMOUR DR	WEST END	569	23	13087	E	4/15/2021	80	Satisfactory	77	23	0	223	Marginal
1081	WEATHERFORD CT	BUCKMINSTER CT	WEST END	779	22	17138	E	4/15/2021	76	Satisfactory	86	14	0	373	Marginal
1082	LEEDS CT	SE END	ARMOUR DR	229	23	5267	E	4/15/2021	53	Poor	45	55	0	316	Marginal
1083	OAK RIDGE CT	EAST END	GREEN BAY RD	446	26	11596	E	4/15/2021	46	Poor	46	50	4	418	Rough
1084	THORNVALLEY RD	GREEN BAY RD	WEST END	784	30	23520	E	4/15/2021	63	Fair	0	0	100		
1085	PHILIP CT	ARMOUR DR	NORTH END	243	24	5832	E	12/30/2021	100	Good	0	0	0	715	Rough
1086	W WASHINGTON AVE	ROCKLAND AVE	LINCOLN AVE	398	20	7960	E	4/15/2021	68	Fair	87	13	0	449	Rough
1087	PINE CT	HANCOCK AVE	W WASHINGTON AVE	537	20	10740	E	4/15/2021	87	Good	61	39	0	395	Marginal
1088	HANCOCK AVE	PINE CT	GARFIELD AVE	342	20	6840	E	4/15/2021	85	Satisfactory	100	0	0	465	Rough
1089	LINCOLN AVE	HANCOCK AVE	W WASHINGTON AVE	595	20	11900	E	4/15/2021	68	Fair	75	10	15	445	Rough
1090	HANCOCK AVE	LINCOLN AVE	PINE CT	424	20	8480	E	4/15/2021	73	Satisfactory	77	16	7	584	Rough
1091	LINCOLN AVE	W SCRANTON AVE	HANCOCK AVE	218	23	5014	E	4/15/2021	55	Poor	60	3	37	333	Marginal
1092	ROCKLAND AVE	W SCRANTON AVE	W WASHINGTON AVE	699	20	13980	E	4/15/2021	100	Good	100	0	0	279	Marginal
1093	GARFIELD AVE	W SCRANTON AVE	HANCOCK AVE	439	20	8780	E	4/15/2021	79	Satisfactory	71	29	0	322	Marginal
1094	W SHERIDAN PL	ROCKLAND AVE	LINCOLN AVE	392	20	7840	E	4/15/2021	49	Poor	53	47	0	492	Rough
1095	W SHERIDAN PL	MAWMAN AVE	ROCKLAND AVE	339	20	6780	E	4/15/2021	47	Poor	46	54	0	387	Marginal
1096	MAWMAN AVE	W SHERIDAN PL	W CENTER AVE	955	22	21010	E	4/15/2021	28	Very Poor	34	47	19	438	Rough
1097	LINCOLN AVE	W SHERIDAN PL	W CENTER AVE	959	21	20139	E	4/15/2021	62	Fair	45	53	2	408	Rough
1098	ROCKLAND AVE	W SHERIDAN PL	W CENTER AVE	957	20	19140	E	4/15/2021	71	Satisfactory	76	24	0	435	Rough
1099	E BLODGETT AVE	MOFFETT RD	BIRCH RD	628	21	13188	E	4/15/2021	79	Satisfactory	100	0	0	191	Smooth
1100	E WOODLAND RD	OAK AVE	EVANSTON AVE	672	21	14112	E	4/15/2021	45	Poor	66	16	18	410	Rough

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1101	E WOODLAND RD	EVANSTON AVE	MOFFETT RD	1457	21	30597	E	4/15/2021	43	Poor	63	36	1	301	Marginal
1102	E WASHINGTON AVE	EVANSTON AVE	MOFFETT RD	1565	20	31300	E	4/15/2021	47	Poor	41	59	0	229	Marginal
1103	E WASHINGTON AVE	OAK AVE	EVANSTON AVE	557	20	11140	E	4/15/2021	52	Poor	50	50	0	377	Marginal
1104	E NORTH AVE	EVANSTON AVE	GLEN AVE	672	21	14112	E	4/15/2021	70	Fair	60	23	17	232	Marginal
1105	E NORTH AVE	GLEN AVE	MOFFETT RD	903	21	18963	E	4/15/2021	44	Poor	39	47	14	234	Marginal
1106	E NORTH AVE	MOFFETT RD	MAPLE AVE	812	22	17864	E	4/15/2021	63	Fair	50	38	12	263	Marginal
1107	E SCRANTON AVE	EVANSTON AVE	GLEN AVE	671	26	17446	E	4/15/2021	28	Very Poor	46	41	13	302	Marginal
1108	E SCRANTON AVE	GLEN AVE	GURNEY AVE	731	22	16082	E	4/15/2021	85	Satisfactory	100	0	0	259	Marginal
1109	E SCRANTON AVE	GURNEY AVE	MOFFETT RD	325	21	6825	E	4/15/2021	91	Good	100	0	0	239	Marginal
1110	E SCRANTON AVE	MOFFETT RD	MAPLE AVE	659	21	13839	E	4/15/2021	93	Good	100	0	0	262	Marginal
1111	E SCRANTON AVE	MAPLE AVE	MOUNTAIN RD	174	21	3654	E	4/15/2021	78	Satisfactory	74	26	0	350	Marginal
1112	E SCRANTON AVE	MOUNTAIN RD	SIMPSON ST	224	21	4704	E	4/15/2021	86	Good	98	2	0	239	Marginal
1113	E CENTER AVE	OAK AVE	EVANSTON AVE	321	20	6420	C	4/15/2021	47	Poor	65	19	16	260	Marginal
1114	E CENTER AVE	MOFFETT RD	MAPLE AVE	644	20	12880	C	4/15/2021	81	Satisfactory	94	6	0	227	Marginal
1115	E CENTER AVE	MAPLE AVE	SIMPSON ST	391	20	7820	C	4/15/2021	89	Good	100	0	0	251	Marginal
1116	E PROSPECT AVE	GURNEY AVE	MOFFETT RD	393	22	8646	E	4/15/2021	93	Good	93	0	7	278	Marginal
1117	E BLODGETT AVE	SHERIDAN RD	OAK AVE	502	21	10542	E	4/15/2021	76	Satisfactory	91	9	0	223	Marginal
1118	E WOODLAND RD	SHERIDAN RD	OAK AVE	501	21	10521	E	4/15/2021	29	Very Poor	37	41	22	316	Marginal
1119	E SCRANTON AVE	SHERIDAN RD	E CENTER AVE	296	52	15392	A	4/15/2021	31	Very Poor	48	51	1	502	Rough
1120	E BLODGETT AVE	OAK AVE	EVANSTON AVE	750	21	15750	E	4/15/2021	75	Satisfactory	100	0	0	159	Smooth
1121	EVANSTON AVE	E NORTH AVE	E WASHINGTON AVE	328	22	7216	C	4/15/2021	86	Good	100	0	0	229	Marginal
1122	EVANSTON AVE	E SCRANTON AVE	E NORTH AVE	327	22	7194	C	4/15/2021	65	Fair	91	9	0	307	Marginal
1123	GURNEY AVE	E SCRANTON AVE	E NORTH AVE	374	18	6732	E	4/15/2021	43	Poor	49	50	1	268	Marginal
1124	EVANSTON AVE	E CENTER AVE	E SCRANTON AVE	324	22	7128	C	4/15/2021	75	Satisfactory	83	17	0	313	Marginal
1125	GURNEY AVE	E CENTER AVE	E SCRANTON AVE	332	20	6640	E	4/15/2021	31	Very Poor	52	48	0	421	Rough
1126	EVANSTON AVE	E CENTER AVE	E CENTER AVE	37	22	814	C	4/15/2021	65	Fair	100	0	0	332	Marginal
1127	EVANSTON AVE	E PROSPECT AVE	E CENTER AVE	328	22	7216	C	4/15/2021	69	Fair	74	25	1	222	Marginal
1128	GURNEY AVE	E PROSPECT AVE	E CENTER AVE	332	21	6972	E	12/30/2021	100	Good	0	0	0	347	Marginal
1129	OAK AVE	E WOODLAND RD	E BLODGETT AVE	324	20	6480	E	4/15/2021	91	Good	100	0	0	259	Marginal
1130	MOFFETT RD	E WOODLAND RD	E BLODGETT AVE	350	21	7350	C	12/31/2021	100	Good	0	0	0	426	Rough
1131	MOFFETT RD	E WASHINGTON AVE	E WOODLAND RD	261	21	5481	C	12/31/2021	100	Good	0	0	0	491	Rough
1132	OAK AVE	E WASHINGTON AVE	E WOODLAND RD	309	20	6180	E	4/15/2021	90	Good	100	0	0	335	Marginal
1134	WALNUT AVE	E SCRANTON AVE	E NORTH AVE	327	26	8502	E	4/15/2021	34	Very Poor	44	56	0	428	Rough
1135	OAK AVE	E SCRANTON AVE	E NORTH AVE	327	22	7194	E	4/15/2021	51	Poor	49	51	0	318	Marginal
1136	GLEN AVE	E SCRANTON AVE	E NORTH AVE	328	18	5904	E	12/30/2021	100	Good	0	0	0	451	Rough

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1137	MOFFETT RD	E SCRANTON AVE	E NORTH AVE	368	21	7728	C	4/15/2021	87	Good	100	0	0	398	Marginal
1138	OAK AVE	E CENTER AVE	E SCRANTON AVE	325	32	10400	E	4/15/2021	23	Serious	37	44	19	411	Rough
1139	MOFFETT RD	E CENTER AVE	E SCRANTON AVE	322	21	6762	C	4/15/2021	72	Satisfactory	88	12	0	304	Marginal
1140	OAK AVE	E CENTER AVE	E CENTER AVE	38	30	1140	E	4/15/2021	23	Serious	37	44	19	411	Rough
1141	MOFFETT RD	E CENTER AVE	E CENTER AVE	36	21	756	C	4/15/2021	67	Fair	100	0	0	735	Rough
1142	MOFFETT RD	E PROSPECT AVE	E CENTER AVE	330	21	6930	C	4/15/2021	97	Good	100	0	0	342	Marginal
1143	MOFFETT RD	RAVINE AVE	E PROSPECT AVE	271	21	5691	C	4/15/2021	95	Good	100	0	0	330	Marginal
1144	E CENTER AVE	OAK AVE	EVANSTON AVE	324	20	6480	C	4/15/2021	54	Poor	64	15	21	320	Marginal
1145	E CENTER AVE	GURNEY AVE	MOFFETT RD	395	20	7900	C	4/15/2021	36	Very Poor	48	30	22	315	Marginal
1146	E CENTER AVE	MOFFETT RD	MAPLE AVE	641	20	12820	C	4/15/2021	45	Poor	49	51	0	217	Marginal
1147	E CENTER AVE	MAPLE AVE	SIMPSON ST	395	20	7900	C	4/15/2021	50	Poor	50	50	0	296	Marginal
1148	EVANSTON AVE	E WOODLAND RD	E BLODGETT AVE	334	22	7348	C	4/15/2021	78	Satisfactory	100	0	0	293	Marginal
1149	EVANSTON AVE	E WASHINGTON AVE	E WOODLAND RD	327	22	7194	C	4/15/2021	78	Satisfactory	100	0	0	227	Marginal
1150	E CENTER AVE	E SCRANTON AVE	E SCRANTON AVE	337	48	16176	A	4/15/2021	36	Very Poor	46	54	0	392	Marginal
1151	E SCRANTON AVE	W SCRANTON AVE	DS@195E W SCRANTON AVE	195	25	4875	O	4/15/2021	40	Very Poor	51	49	0	349	Marginal
1152	E SCRANTON AVE	DS@195E W SCRANTON AVE	E CENTER AVE	131	25	3275	O	4/15/2021	21	Serious	37	46	17	432	Rough
1153	GURNEY AVE	E CENTER AVE	E CENTER AVE	37	21	777	E	4/15/2021	75	Satisfactory	100	0	0	447	Rough
1161	E SCRANTON AVE	SHERIDAN RD	DS@246N SHERIDAN RD	246	23	5658	O	4/15/2021	57	Fair	70	30	0	221	Marginal
1162	MOFFETT RD	E SHERIDAN PL	SYLVAN RD	244	23	5612	C	4/15/2021	99	Good	100	0	0	258	Marginal
1163	LAKELAND DR	MOFFETT RD	EAST END	1623	29	46775	E	4/15/2021	30	Very Poor	53	47	0	206	Marginal
1164	CIRCLE DR	E WITCHWOOD LN	NORTH END	338	26	8788	E	4/15/2021	100	Good	48	52	0	495	Rough
1165	E WITCHWOOD LN	CIRCLE DR	VINCENT CT	287	21	6027	E	4/15/2021	30	Very Poor	37	51	12	299	Marginal
1166	E WITCHWOOD LN	VINCENT CT	OAK TER	324	22	7128	E	4/15/2021	26	Very Poor	42	47	11	308	Marginal
1167	E WITCHWOOD LN	OAK TER	NEWMAN CT	673	21	14133	E	4/15/2021	39	Very Poor	38	42	20	272	Marginal
1168	OAK TER	RAVINE FOREST DR	E WITCHWOOD LN	412	21	8652	E	4/15/2021	37	Very Poor	40	60	0	310	Marginal
1169	RAVINE FOREST DR	SHERIDAN RD	OAK TER	1101	20	22020	E	4/15/2021	45	Poor	45	55	0	276	Marginal
1170	FOREST COVE RD	MOFFETT RD	EAST END	1313	26	34273	E	4/15/2021	35	Very Poor	40	41	19	267	Marginal
1171	E WITCHWOOD LN	NEWMAN CT	MOFFETT RD	779	23	17917	E	4/15/2021	100	Good	100	0	0	175	Smooth
1172	OAK TER	E HAWTHORNE CT	RAVINE FOREST DR	373	21	7833	E	4/15/2021	93	Good	100	0	0	170	Smooth
1173	E HAWTHORNE CT	SHERIDAN RD	OAK TER	1017	18	18306	E	4/15/2021	54	Poor	32	62	6	205	Marginal
1174	MOFFETT RD	E SHERIDAN RD	E SHERIDAN RD	225	22	4950	C	4/15/2021	96	Good	100	0	0	305	Marginal
1175	INDIAN RD	SW END	E SHERIDAN RD	353	28	9711	E	4/15/2021	50	Poor	35	65	0	385	Marginal
1178	OAK TER	E SHERIDAN RD	E HAWTHORNE CT	838	21	17598	E	4/15/2021	75	Satisfactory	31	69	0	209	Marginal
1180	RAVINE FOREST DR	OAK TER	E SHERIDAN RD	1475	20	29500	E	4/15/2021	48	Poor	43	57	0	229	Marginal
1181	E WITCHWOOD LN	SHERIDAN RD	CIRCLE DR	557	21	11697	E	4/15/2021	99	Good	100	0	0	249	Marginal

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1196	CARRIAGE PARK LN	ALBRECHT DR	WAUKEGAN RD	1146	32	36672	E	4/15/2021	77	Satisfactory	75	25	0	199	Smooth
1197	ALBRECHT DR	WAUKEGAN RD	CARRIAGE PARK LN	1787	37	66119	E	4/15/2021	68	Fair	43	57	0	163	Smooth
1199	W WASHINGTON AVE	W WASHINGTON AVE	GARFIELD AVE	164	20	3280	E	4/15/2021	87	Good	100	0	0	613	Rough
1200	GARFIELD AVE	HANCOCK AVE	W WASHINGTON AVE	432	20	8640	E	4/15/2021	86	Good	63	24	13	361	Marginal
1201	GARFIELD AVE	W WASHINGTON AVE	W WASHINGTON AVE	220	20	4400	E	4/15/2021	84	Satisfactory	100	0	0	452	Rough
1227	SHERWOOD DR	SHERWOOD TER	N WAUKEGAN RD	1523	30	45690	E	4/15/2021	27	Very Poor	40	53	7	227	Marginal
1231	N ENVIRON CIR	W SANCTUARY LN	W SANCTUARY LN	1040	25	26000	E	4/15/2021	89	Good	59	41	0	191	Smooth
1232	W SANCTUARY LN	SE END	BUTTERFLY CT	216	43	9265	E	4/15/2021	34	Very Poor	45	55	0	222	Marginal
1233	W WITCHWOOD LN	HICKORY CT	JENSEN LN	503	22	11066	E	4/15/2021	49	Poor	4	63	33	450	Rough
1234	HICKORY CT	SOUTH END	W WITCHWOOD LN	296	24	7104	E	4/15/2021	47	Poor	45	55	0	780	Rough
1235	GREEN BAY RD	THORNWOOD LN	W SCRANTON AVE	227	38	8626	A	4/15/2021	63	Fair	81	19	0	666	Rough
1236	GREEN BAY RD	W HAWTHORNE CT	PARK LN	414	25	10350	A	4/15/2021	33	Very Poor	52	45	3	418	Rough
1237	GREEN BAY RD	W WITCHWOOD LN	W HAWTHORNE CT	141	25	3525	A	4/15/2021	27	Very Poor	46	52	2	286	Marginal
1238	WIMBLEDON CT	WIMBLEDON CT (E CIR)	NORTH END	256	24	6144	E	4/15/2021	91	Good	100	0	0	525	Rough
1239	WIMBLEDON CT E CIR	WIMBLEDON CT	EAST END	153	24	3672	E	4/15/2021	92	Good	100	0	0	724	Rough
1240	WIMBLEDON CT	WIMBLEDON CT (W CIR)	WIMBLEDON CT (E CIR)	69	30	2070	E	4/15/2021	91	Good	100	0	0	525	Rough
1241	WIMBLEDON CT W CIR	WIMBLEDON CT	WEST END	138	23	3174	E	4/15/2021	96	Good	100	0	0	852	Rough
1242	SUNSET TER	W WITCHWOOD LN	W HAWTHORNE CT	312	22	6864	E	4/15/2021	100	Good	100	0	0	329	Marginal
1243	MACLAREN LN	W WITCHWOOD LN	W HAWTHORNE CT	367	22	8074	E	4/15/2021	57	Fair	61	39	0	358	Marginal
1244	MACLAREN LN	W HAWTHORNE CT	PARK LN	385	22	8470	E	4/15/2021	54	Poor	55	45	0	313	Marginal
1245	W HAWTHORNE CT	SUNSET TER	MACLAREN LN	953	23	21919	E	4/15/2021	89	Good	74	26	0	268	Marginal
1246	W HAWTHORNE CT	GREEN BAY RD	SUNSET TER	862	23	19826	E	4/15/2021	90	Good	98	2	0	317	Marginal
1248	W CENTER AVE	ROCKLAND AVE	LINCOLN AVE	390	21	8190	E	4/15/2021	97	Good	100	0	0	311	Marginal
1249	W CENTER AVE	MAWMAN AVE	ROCKLAND AVE	389	21	8169	E	4/15/2021	92	Good	100	0	0	341	Marginal
1250	THORNWOOD LN	GREEN BAY RD	SUNSET TER	856	22	18832	E	4/15/2021	28	Very Poor	34	66	0	311	Marginal
1251	SUNSET TER	BIRKDALE RD	THORNWOOD LN	361	22	7942	E	12/30/2021	100	Good	0	0	0	328	Marginal
1253	SUNSET TER	W PROSPECT AVE	BIRKDALE RD	363	22	7986	E	4/15/2021	30	Very Poor	48	52	0	338	Marginal
1254	EVA TER	ROCKLAND RD	NORTH END	250	21	5250	E	4/15/2021	90	Good	100	0	0	434	Rough
1255	E WASHINGTON AVE	WEST END	BIRCH RD	432	20	8640	E	4/15/2021	27	Very Poor	34	51	15	424	Rough
1256	E WASHINGTON AVE	BIRCH RD	MAPLE AVE	167	21	3507	E	4/15/2021	55	Poor	55	43	2	332	Marginal
1257	E BLODGETT AVE	BIRCH RD	BLUFF RD	283	21	5943	E	4/15/2021	74	Satisfactory	100	0	0	215	Marginal
1258	BLUFF RD	SOUTH END	E BLODGETT AVE	304	21	6384	E	4/15/2021	78	Satisfactory	100	0	0	285	Marginal
1259	BIRCH RD	E WASHINGTON AVE	E BLODGETT AVE	626	21	13146	E	4/15/2021	93	Good	100	0	0	280	Marginal
1260	MAPLE AVE	E NORTH AVE	E WASHINGTON AVE	326	20	6520	E	4/15/2021	93	Good	48	52	0	273	Marginal
1261	MAPLE AVE	E SCRANTON AVE	E NORTH AVE	330	21	6930	E	4/15/2021	91	Good	57	43	0	388	Marginal

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1262	MAPLE AVE	E CENTER AVE	E SCRANTON AVE	320	20	6400	E	4/15/2021	95	Good	100	0	0	340	Marginal
1263	MAPLE AVE	E CENTER AVE	E CENTER AVE	34	18	612	E	4/15/2021	64	Fair	100	0	0	682	Rough
1264	MAPLE AVE	E PROSPECT AVE	E CENTER AVE	335	18	6030	E	4/15/2021	79	Satisfactory	49	25	26	401	Rough
1265	SUNRISE AVE	E SCRANTON AVE	MOUNTAIN RD	315	18	5670	E	4/15/2021	33	Very Poor	44	55	1	301	Marginal
1266	SUNRISE AVE	E CENTER AVE	E SCRANTON AVE	324	18	5832	E	4/15/2021	53	Poor	39	47	14	314	Marginal
1267	SUNRISE AVE	E CENTER AVE	E CENTER AVE	40	25	1000	E	4/15/2021	64	Fair	100	0	0	401	Rough
1268	SUNRISE AVE	E PROSPECT AVE	E CENTER AVE	323	18	5814	E	4/15/2021	53	Poor	44	56	0	334	Marginal
1269	E PROSPECT AVE	SIMPSON ST	SUNRISE AVE	398	22	8756	E	4/15/2021	54	Poor	48	51	1	362	Marginal
1270	E PROSPECT AVE	SUNRISE AVE	SUNRISE AVE	108	22	2376	E	4/15/2021	73	Satisfactory	86	14	0	464	Rough
1271	PARK PL	SIMPSON ST	SUNRISE AVE	394	20	7880	E	4/15/2021	87	Good	100	0	0	375	Marginal
1272	E SCRANTON AVE	SIMPSON ST	SUNRISE AVE	369	21	7749	E	4/15/2021	81	Satisfactory	81	19	0	273	Marginal
1273	E CENTER AVE	SIMPSON ST	SUNRISE AVE	414	20	8280	C	4/15/2021	70	Fair	82	18	0	257	Marginal
1274	E CENTER AVE	SIMPSON ST	SUNRISE AVE	429	20	8580	C	4/15/2021	63	Fair	53	42	5	264	Marginal
1275	SUNRISE AVE	PARK PL	E PROSPECT AVE	276	18	4968	E	4/15/2021	86	Good	100	0	0	260	Marginal
1276	SUNRISE AVE	RAVINE AVE	PARK PL	267	18	4806	E	4/15/2021	76	Satisfactory	66	26	8	294	Marginal
1277	GURNEY AVE	RAVINE AVE	E PROSPECT AVE	253	21	5313	E	12/30/2021	100	Good	0	0	0	410	Rough
1278	RAVINE AVE	GURNEY AVE	MOFFETT RD	391	21	8211	E	12/30/2021	100	Good	0	0	0	406	Rough
1279	E SHERIDAN PL	VINCENT CT	EVANSTON AVE	78	29	2262	C	4/15/2021	83	Satisfactory	100	0	0	207	Marginal
1280	E SHERIDAN PL	EVANSTON AVE	HIRST CT	244	18	4392	C	4/15/2021	84	Satisfactory	100	0	0	247	Marginal
1281	E SHERIDAN PL	HIRST CT	FOSS CT	322	18	5796	C	4/15/2021	95	Good	82	18	0	217	Marginal
1282	E SHERIDAN PL	FOSS CT	GLEN AVE	116	18	2088	C	4/15/2021	91	Good	100	0	0	197	Smooth
1283	E SHERIDAN PL	GLEN AVE	NEWMAN CT	204	18	3672	C	4/15/2021	96	Good	100	0	0	271	Marginal
1284	E SHERIDAN PL	NEWMAN CT	BRIAR LN	321	18	5778	C	4/15/2021	82	Satisfactory	84	16	0	246	Marginal
1285	E SHERIDAN PL	BRIAR LN	MOFFETT RD	447	18	8046	C	4/15/2021	48	Poor	44	56	0	348	Marginal
1286	E SHERIDAN PL	SHERIDAN RD	VINCENT CT	939	26	24414	C	4/15/2021	33	Very Poor	52	47	1	324	Marginal
1287	SYLVAN RD	EVANSTON AVE	GLEN AVE	730	16	11680	E	4/15/2021	94	Good	83	17	0	271	Marginal
1288	GLEN AVE	E SHERIDAN PL	SYLVAN RD	228	20	4560	E	4/15/2021	93	Good	29	71	0	250	Marginal
1289	SYLVAN RD	GLEN AVE	MOFFETT RD	1206	15	18090	E	4/15/2021	92	Good	100	0	0	216	Marginal
1290	MOFFETT RD	SYLVAN RD	RAVINE AVE	176	24	4224	C	4/15/2021	69	Fair	100	0	0	539	Rough
1291	BRIAR LN	SOUTH END	E SHERIDAN PL	518	24	12226	E	4/15/2021	80	Satisfactory	78	22	0	309	Marginal
1292	VINCENT CT	E WITCHWOOD LN	E SHERIDAN PL	735	21	15435	E	4/15/2021	33	Very Poor	55	45	0	409	Rough
1293	EVANSTON AVE	RAVINE AVE	E PROSPECT AVE	315	22	6930	C	4/15/2021	53	Poor	78	16	6	351	Marginal
1294	EVANSTON AVE	E SHERIDAN PL	RAVINE AVE	357	22	7854	C	4/15/2021	26	Very Poor	33	52	15	311	Marginal
1295	W SANCTUARY LN	BUTTERFLY CT	N ENVIRON CIR	371	26	9646	E	4/15/2021	33	Very Poor	40	60	0	345	Marginal
1296	W SANCTUARY LN	W SANCTUARY CT	ATKINSON RD	203	30	6090	E	4/15/2021	48	Poor	38	62	0	258	Marginal

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1335	BUTTERFLY CT	W SANCTUARY LN	NORTH END	390	37	14318	E	4/15/2021	33	Very Poor	46	54	0	190	Smooth
1336	MEADOW CIR	N BIRCH AVE	N BIRCH AVE	1168	26	30368	E	4/15/2021	95	Good	100	0	0	177	Smooth
1337	ATKINSON RD	W SANCTUARY LN	DS@328W W SANCTUARY LN	328	41	13448	E	4/15/2021	29	Very Poor	35	64	1	241	Marginal
1338	NEWMAN CT	E WITCHWOOD LN	E SHERIDAN PL	912	20	18240	E	4/15/2021	72	Satisfactory	51	49	0	270	Marginal
1339	CAMBRIDGE RD	E SHERIDAN RD	EAST END	1020	26	26408	E	4/15/2021	58	Fair	34	40	26	263	Marginal
1347	W SANCTUARY LN	N ENVIRON CIR	W SANCTUARY CT	597	26	15522	E	4/15/2021	39	Very Poor	39	61	0	156	Smooth
1348	W SANCTUARY LN	N ENVIRON CIR	N ENVIRON CIR	246	26	6396	E	4/15/2021	36	Very Poor	42	58	0	215	Marginal
1349	N BIRCH AVE	MEADOW CIR	DS@248N MEADOW CIR	248	25	6200	E	4/15/2021	94	Good	100	0	0	160	Smooth
1398	ATKINSON RD	N BIRCH AVE	ADELPHIA AVE	659	26	17134	E	4/15/2021	97	Good	100	0	0	174	Smooth
1400	BELLE FORET DR	GREEN BAY RD	BELLE FORET DR (S CIR)	1039	21	21819	E	4/15/2021	35	Very Poor	53	47	0	284	Marginal
1401	W WASHINGTON AVE	PINE CT	DS@245W PINE CT	245	20	4900	E	4/15/2021	82	Satisfactory	100	0	0	366	Marginal
1402	W WASHINGTON AVE	DS@245W PINE CT	GARFIELD AVE	207	20	4140	E	4/15/2021	80	Satisfactory	99	1	0	341	Marginal
1403	W WASHINGTON AVE	LINCOLN AVE	PINE CT	409	20	8180	E	4/15/2021	82	Satisfactory	89	11	0	395	Marginal
1404	W SHERIDAN PL	LINCOLN AVE	DS@215W LINCOLN AVE	215	20	4300	E	4/15/2021	54	Poor	58	17	25	766	Rough
1405	E NORTH AVE	WALNUT AVE	OAK AVE	415	22	9130	E	4/15/2021	63	Fair	55	45	0	217	Marginal
1406	E NORTH AVE	OAK AVE	EVANSTON AVE	332	21	6972	E	4/15/2021	65	Fair	57	21	22	263	Marginal
1407	E PROSPECT AVE	MOFFETT RD	MAPLE AVE	652	22	14344	E	4/15/2021	87	Good	73	27	0	294	Marginal
1408	E PROSPECT AVE	MAPLE AVE	SIMPSON ST	388	23	8924	E	4/15/2021	61	Fair	59	29	12	260	Marginal
1409	MOFFETT RD	E WITCHWOOD LN	FOREST COVE RD	360	22	7920	C	4/15/2021	95	Good	17	83	0	195	Smooth
1416	GREEN BAY RD	BATH AND TENNIS CLUB RD	W WITCHWOOD LN	1036	25	25900	A	4/15/2021	33	Very Poor	42	44	14	407	Rough
1417	BELLE FORET DR	DS@678W BELLE FORET DR (S CIR)	BELLE FORET DR (S CIR)	378	21	7938	E	4/15/2021	41	Poor	54	46	0	263	Marginal
1420	E SCRANTON AVE	OAK AVE	EVANSTON AVE	331	32	10592	E	4/15/2021	38	Very Poor	55	45	0	253	Marginal
1431	NORTHERN AVE	SAFFORD AVE	NORTH END	581	14	8134	E	4/15/2021	9	Failed	22	78	0	360	Marginal
1460	GREEN BAY RD	DS@1369N W ALDEN LN	BATH AND TENNIS CLUB RD	292	25	7300	A	4/15/2021	42	Poor	63	14	23	287	Marginal
1461	GREEN BAY RD	DS@880N W ALDEN LN	DS@1369N W ALDEN LN	490	25	12250	A	4/15/2021	39	Very Poor	66	9	25	473	Rough
1462	RAVINE AVE	WEST END	EVANSTON AVE	300	22	6600	E	4/15/2021	33	Very Poor	38	56	6	335	Marginal
1463	RAVINE AVE	SIMPSON ST	SUNRISE AVE	394	20	7880	E	4/15/2021	58	Fair	40	60	0	271	Marginal
1464	RAVINE AVE	MOFFETT RD	SIMPSON ST	1137	20	22740	E	4/15/2021	58	Fair	40	56	4	319	Marginal
1465	SIMPSON ST	E CENTER AVE	E SCRANTON AVE	322	20	6440	E	4/15/2021	87	Good	100	0	0	364	Marginal
1466	SIMPSON ST	E CENTER AVE	E CENTER AVE	36	20	720	E	4/15/2021	72	Satisfactory	100	0	0	1163	Rough
1467	SIMPSON ST	RAVINE AVE	PARK PL	271	20	5420	E	4/15/2021	80	Satisfactory	44	17	39	276	Marginal
1468	SIMPSON ST	PARK PL	E PROSPECT AVE	278	20	5560	E	4/15/2021	82	Satisfactory	100	0	0	210	Marginal
1469	SIMPSON ST	E PROSPECT AVE	E CENTER AVE	335	20	6700	E	4/15/2021	76	Satisfactory	100	0	0	371	Marginal
1470	E CENTER AVE	E SCRANTON AVE	OAK AVE	338	20	6760	C	4/15/2021	38	Very Poor	43	57	0	289	Marginal
1471	E CENTER AVE	E SCRANTON AVE	OAK AVE	334	24	8016	C	4/15/2021	45	Poor	54	18	28	447	Rough

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1472	E NORTH AVE	SHERIDAN RD	WALNUT AVE	303	22	6666	E	4/15/2021	36	Very Poor	49	51	0	430	Rough
1473	E WASHINGTON AVE	SHERIDAN RD	OAK AVE	504	28	14112	E	4/15/2021	85	Satisfactory	92	8	0	274	Marginal
1474	E SCRANTON AVE	E CENTER AVE	OAK AVE	423	45	19035	E	12/30/2021	100	Good	0	0	0	294	Marginal
1475	GLEN AVE	E CENTER AVE	E SCRANTON AVE	322	18	5796	E	12/30/2021	100	Good	0	0	0	308	Marginal
1476	E CENTER AVE	GLEN AVE	GURNEY AVE	685	20	13700	C	4/15/2021	38	Very Poor	45	45	10	239	Marginal
1477	E CENTER AVE	EVANSTON AVE	GLEN AVE	673	20	13460	C	4/15/2021	41	Poor	53	47	0	219	Marginal
1478	GLEN AVE	E CENTER AVE	E CENTER AVE	38	18	684	E	12/30/2021	100	Good	0	0	0	507	Rough
1479	E CENTER AVE	GLEN AVE	GURNEY AVE	685	20	13700	C	4/15/2021	84	Satisfactory	100	0	0	201	Marginal
1480	E CENTER AVE	EVANSTON AVE	GLEN AVE	676	20	13520	C	4/15/2021	30	Very Poor	45	38	17	282	Marginal
1481	E PROSPECT AVE	GLEN AVE	GURNEY AVE	682	22	15004	E	4/15/2021	84	Satisfactory	59	20	21	230	Marginal
1482	E PROSPECT AVE	EVANSTON AVE	GLEN AVE	683	22	15026	E	4/15/2021	71	Satisfactory	74	18	8	312	Marginal
1483	GLEN AVE	E PROSPECT AVE	E CENTER AVE	329	18	5922	E	4/15/2021	99	Good	100	0	0	333	Marginal
1484	MOUNTAIN RD	E SCRANTON AVE	DS@357N E SCRANTON AVE	357	20	7140	E	4/15/2021	40	Very Poor	49	50	1	308	Marginal
1485	MOUNTAIN RD	DS@357N E SCRANTON AVE	SUNRISE AVE	384	20	7680	E	4/15/2021	36	Very Poor	52	43	5	334	Marginal
1486	MACLAREN LN	PARK LN	W SHERIDAN PL	360	23	8280	E	4/15/2021	47	Poor	54	46	0	307	Marginal
1487	LINCOLN AVE	W WASHINGTON AVE	W BLODGETT AVE	479	20	9580	E	4/15/2021	76	Satisfactory	80	12	8	394	Marginal
1488	W BLODGETT AVE	LINCOLN AVE	W WASHINGTON AVE	981	21	20601	E	4/15/2021	78	Satisfactory	21	0	79	390	Marginal
1489	W WASHINGTON AVE	GARFIELD AVE	W BLODGETT AVE	127	23	2921	E	4/15/2021	83	Satisfactory	79	0	21	378	Marginal
1578	CAMPBELL CT	CAMPBELL CT	W KOHL AVE	186	22	4092	E	4/15/2021	45	Poor	45	55	0	289	Marginal
1579	CAMPBELL CT	CAMPBELL CT	NORTH END	384	21	8064	E	4/15/2021	46	Poor	50	50	0	268	Marginal
1580	W KOHL AVE	CAMPBELL CT	DOUGLAS TRCE	464	22	10208	E	4/15/2021	99	Good	100	0	0	126	Smooth
1681	BELLE FORET DR	DS@501W BELLE FORET DR (S CIR)	DS@678W BELLE FORET DR (S CIR)	176	21	3696	E	4/15/2021	38	Very Poor	57	42	1	231	Marginal
1682	BELLE FORET DR	DS@253W BELLE FORET DR (S CIR)	DS@501W BELLE FORET DR (S CIR)	248	21	5208	E	4/15/2021	44	Poor	56	42	2	275	Marginal
1683	BELLE FORET DR	BELLE FORET DR (S CIR)	DS@253W BELLE FORET DR (S CIR)	253	21	5313	E	4/15/2021	42	Poor	48	52	0	335	Marginal
1684	BELLE FORET DR	BELLE FORET DR (N CIR)	DS@346W BELLE FORET DR (N CIR)	346	21	7266	E	4/15/2021	26	Very Poor	55	45	0	250	Marginal
1685	BELLE FORET DR	DS@346W BELLE FORET DR (N CIR)	DS@615W BELLE FORET DR (N CIR)	270	21	5670	E	4/15/2021	34	Very Poor	52	47	1	260	Marginal
1686	BELLE FORET DR	DS@615W BELLE FORET DR (N CIR)	DS@966W BELLE FORET DR (N CIR)	351	21	7371	E	4/15/2021	36	Very Poor	53	47	0	272	Marginal
1687	BELLE FORET DR	DS@966W BELLE FORET DR (N CIR)	BELLE FORET DR (N CIR)	125	21	2625	E	4/15/2021	38	Very Poor	50	50	0	270	Marginal
1738	E CENTER AVE	GURNEY AVE	MOFFETT RD	394	20	7880	C	4/15/2021	32	Very Poor	54	7	39	367	Marginal
1739	GLEN AVE	SOUTH END	E PROSPECT AVE	215	19	4085	E	4/15/2021	100	Good	52	48	0	303	Marginal
1740	MOFFETT RD	E NORTH AVE	E WASHINGTON AVE	343	21	7203	C	12/31/2021	100	Good	0	0	0	312	Marginal
1759	W KOHL AVE	DOUGLAS TRCE	RIVERS DR	887	22	19514	E	4/15/2021	100	Good	65	25	10	151	Smooth
1779	BRIERFIELD CT	EAST END	BRADFORD CT	615	24	14760	E	4/15/2021	57	Fair	52	48	0	218	Marginal
1780	BRADFORD CT	BRIERFIELD CT	WEST END	438	25	10950	E	4/15/2021	55	Poor	48	52	0	326	Marginal
1781	BRIERFIELD CT	BRADFORD CT	ASHINGTON CIR	272	22	5984	E	4/15/2021	77	Satisfactory	98	2	0	262	Marginal

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1782	ARMOUR DR	BRISTOL CT	ASHINGTON CIR	474	23	10902	C	4/15/2021	58	Fair	81	9	10	326	Marginal
1783	ARMOUR DR	ASHINGTON CIR	ASHINGTON CIR	212	23	4876	C	4/15/2021	65	Fair	100	0	0	167	Smooth
1784	ARMOUR DR	ASHINGTON CIR	ASCOT CT	315	23	7245	C	4/15/2021	59	Fair	91	9	0	194	Smooth
1785	ASHINGTON CIR	ARMOUR DR	ARMOUR DR	374	21	7854	E	4/15/2021	57	Fair	60	15	25	429	Rough
1789	W WITCHWOOD LN	SUNSET TER	JENSEN LN	165	16	2640	E	4/15/2021	97	Good	100	0	0	462	Rough
1790	W WITCHWOOD LN	JENSEN LN	MACLAREN LN	845	17	14365	E	4/15/2021	99	Good	100	0	0	332	Marginal
1798	E BLODGETT AVE	EVANSTON AVE	CRABTREE LN	936	21	19656	E	4/15/2021	75	Satisfactory	100	0	0	155	Smooth
1799	E BLODGETT AVE	CRABTREE LN	MOFFETT RD	437	21	9177	E	4/15/2021	78	Satisfactory	100	0	0	168	Smooth
1823	N BIRCH AVE	DS@248N MEADOW CIR	N BIRCH AVE	1356	25	33900	E	4/15/2021	85	Satisfactory	100	0	0	160	Smooth
1837	WARRINGTON CT	GREEN BAY RD	JAMES CT	1253	21	26313	E	4/15/2021	76	Satisfactory	83	17	0	154	Smooth
1838	ARMOUR DR	TROWBRIDGE CIR	JAMES CT	382	22	8404	C	4/15/2021	31	Very Poor	52	33	15	215	Marginal
1839	ARMOUR DR	JAMES CT	PHILIP CT	165	23	3795	C	4/15/2021	17	Serious	48	34	18	263	Marginal
1840	JAMES CT	ARMOUR DR	NORTH END	405	25	10125	E	4/15/2021	85	Satisfactory	100	0	0	236	Marginal
1841	ARMOUR DR	WINCHESTER CT	TROWBRIDGE CIR	323	22	7106	C	4/15/2021	33	Very Poor	47	42	11	242	Marginal
1847	W WASHINGTON AVE	W BLODGETT AVE	GREEN BAY RD	128	22	2816	E	4/15/2021	69	Fair	100	0	0	773	Rough
1848	W WASHINGTON AVE	GREEN BAY RD	WEST END	729	35	25515	E	4/15/2021	84	Satisfactory	79	21	0	358	Marginal
1851	ROCKLAND AVE	MAIN ST	W BLODGETT AVE	295	20	5900	E	4/15/2021	86	Good	100	0	0	472	Rough
1852	ROCKLAND AVE	W WASHINGTON AVE	MAIN ST	301	20	6020	E	4/15/2021	97	Good	100	0	0	316	Marginal
1853	MAIN ST	MAWMAN AVE	ROCKLAND AVE	342	18	6156	E	4/15/2021	38	Very Poor	40	60	0	667	Rough
1854	MAWMAN AVE	W SCRANTON AVE	MAIN ST	980	22	21560	E	4/15/2021	54	Poor	40	60	0	304	Marginal
1855	MAWMAN AVE	MAIN ST	NORTH END	293	22	6446	E	4/15/2021	66	Fair	82	18	0	330	Marginal
1856	GREEN BAY RD	W CENTER AVE	THORNWOOD LN	152	37	5624	A	4/15/2021	46	Poor	59	41	0	412	Rough
1857	W CENTER AVE	PINE CT	GREEN BAY RD	424	21	8904	E	4/15/2021	99	Good	100	0	0	447	Rough
1858	PINE CT	W SHERIDAN PL	W CENTER AVE	951	21	19971	E	4/15/2021	34	Very Poor	50	42	8	444	Rough
1859	W CENTER AVE	LINCOLN AVE	PINE CT	383	21	8043	E	4/15/2021	96	Good	100	0	0	289	Marginal
1860	GREEN BAY RD	BIRKDALE RD	W CENTER AVE	231	27	6237	A	4/15/2021	30	Very Poor	47	43	10	297	Marginal
1861	BIRKDALE RD	GREEN BAY RD	SUNSET TER	893	21	18753	E	4/15/2021	32	Very Poor	42	58	0	420	Rough
1862	GREEN BAY RD	W PROSPECT AVE	BIRKDALE RD	361	25	9025	A	4/15/2021	39	Very Poor	46	35	19	442	Rough
1864	W SHERIDAN PL	DS@166W PINE CT	GREEN BAY RD	169	20	3380	E	4/15/2021	77	Satisfactory	100	0	0	599	Rough
1866	GREEN BAY RD	W SHERIDAN PL	W PROSPECT AVE	366	25	9150	A	4/15/2021	27	Very Poor	44	48	8	372	Marginal
1867	GREEN BAY RD	PARK LN	W SHERIDAN PL	395	25	9875	A	4/15/2021	24	Serious	38	50	12	486	Rough
1869	SHERWOOD TER	SHERWOOD DR	W NORTH SHORE DR	983	30	29490	E	4/15/2021	29	Very Poor	40	57	3	195	Smooth
1870	W NORTH SHORE DR	SHERWOOD TER	N WAUKEGAN RD	1716	30	51480	E	4/15/2021	51	Poor	65	25	10	374	Marginal
1871	W WITCHWOOD LN	MAWMAN AVE	HICKORY CT	314	22	6908	E	4/15/2021	86	Good	100	0	0	522	Rough
1872	PARK LN	LINCOLN AVE	GREEN BAY RD	618	20	12360	E	4/15/2021	88	Good	100	0	0	516	Rough

Lake Bluff, IL

Appendix A - Street Inventory and Condition Summary

GISID / Section ID	Branch Name	From	To	Pavement Length (ft)	Pavement Width (ft)	Total Area (ft2)	Section Rank	Pavement Conditions: Last Survey Date (mm/dd/yyyy)	Last Survey PCI	PCI Category	PCI Pct Climate	PCI Pct Load	PCI Pct Other	Survey IRI (in/mi) (April 2021)	IRI Category
1873	LINCOLN AVE	PARK LN	W SHERIDAN PL	384	21	8064	E	4/15/2021	67	Fair	75	15	10	533	Rough
1874	MAWMAN AVE	PARK LN	W SHERIDAN PL	415	22	9130	E	4/15/2021	24	Serious	38	44	18	510	Rough
1875	PARK LN	MAWMAN AVE	LINCOLN AVE	570	20	11400	E	4/15/2021	75	Satisfactory	64	0	36	386	Marginal
1876	MAWMAN AVE	W WITCHWOOD LN	PARK LN	347	22	7634	E	4/15/2021	78	Satisfactory	55	4	41	402	Rough
1877	WIMBLEDON CT	BATH AND TENNIS CLUB RD	CLAY CT	521	23	11983	E	4/15/2021	61	Fair	53	47	0	433	Rough
1879	BATH AND TENNIS CLUB RD	WIMBLEDON CT	FOREST HILLS RD	489	21	10269	E	4/15/2021	33	Very Poor	41	59	0	536	Rough
1880	BOARDMAN CT	BATH AND TENNIS CLUB RD	NW END	233	24	5592	E	4/15/2021	54	Poor	54	46	0	1066	Rough
1882	BATH AND TENNIS CLUB RD	FOREST HILLS RD	GREEN BAY RD	575	21	12075	E	4/15/2021	28	Very Poor	38	62	0	478	Rough
1883	SUNSET PL	SHERIDAN RD	EAST END	652	21	13692	E	4/15/2021	41	Poor	57	43	0	312	Marginal
1884	CRESCENT DR	SW END	MOFFETT RD	610	20	12200	E	4/15/2021	86	Good	75	25	0	236	Marginal
1885	MOFFETT RD	E SHERIDAN RD	LANSDOWNE LN	441	22	9702	C	4/15/2021	97	Good	100	0	0	123	Smooth
1886	MOFFETT RD	CRESCENT DR	E WITCHWOOD LN	496	22	10912	C	4/15/2021	95	Good	100	0	0	189	Smooth
1889	E SHERIDAN PL	DS@644E RAVINE FOREST DR	MOFFETT RD	219	25	5475	C	4/15/2021	81	Satisfactory	71	29	0	545	Rough
1985	CLAY CT	WIMBLEDON CT	WEST END	452	24	10848	E	4/15/2021	70	Fair	48	52	0	571	Rough
1986	WIMBLEDON CT	CLAY CT	WIMBLEDON CT (W CIR)	485	22	10670	E	4/15/2021	84	Satisfactory	86	14	0	315	Marginal
1987	LANSDOWNE LN	MOFFETT RD	EAST END	1472	23	33856	E	4/15/2021	39	Very Poor	44	56	0	219	Marginal
1988	MOFFETT RD	LANSDOWNE LN	CRESCENT DR	319	22	7018	C	4/15/2021	95	Good	100	0	0	111	Smooth
2014	KOHL AVE	RIVERS DR	DS@426W RIVERS DR	426	20	8520	E	4/15/2021	100	Good	100	0	0	142	Smooth
2034	ATKINSON RD	DS@649W ADELPHIA AVE	W SANCTUARY LN	723	26	18798	E	4/15/2021	28	Very Poor	45	55	0	210	Marginal
2058	W SHERIDAN PL	PINE CT	DS@166W PINE CT	166	20	3320	E	4/15/2021	52	Poor	48	52	0	404	Rough
2059	W SHERIDAN PL	DS@215W LINCOLN AVE	PINE CT	164	20	3280	E	4/15/2021	60	Fair	42	58	0	354	Marginal
2064	W SCRANTON AVE	E SCRANTON AVE	SHERIDAN RD	76	30	2280	O	4/15/2021	21	Serious	36	47	17	389	Marginal
2065	W SCRANTON AVE	SHERIDAN RD	MAWMAN AVE	669	30	20070	O	4/15/2021	43	Poor	58	42	0	352	Marginal
2079	ATKINSON RD	ADELPHIA AVE	DS@649W ADELPHIA AVE	649	26	16874	E	4/15/2021	17	Serious	43	41	16	516	Rough
2096	UNKNOWN2	E PROSPECT AVE	RAVINE AVE	423	18	7614	E	4/15/2021	19	Serious	29	71	0	394	Marginal
2097	UNKNOWN3	WEST END	SIMPSON ST	357	16	5712	E	4/15/2021	100	Good	26	74	0	247	Marginal
2098	UNKNOWN4	E SHERIDAN PL	SOUTH END	157	14	2198	E	4/15/2021	8	Failed	26	74	0	417	Rough
2099	UNKNOWN5	E SHERIDAN PL	SOUTH END	335	16	5360	E	4/15/2021	68	Fair	77	23	0	417	Rough
2100	UNKNOWN6	E SHERIDAN PL	UNKNOWN	349	15	5235	E	4/15/2021	71	Satisfactory	88	12	0	566	Rough
2101	UNKNOWN1	UNKNOWN	HIRST CT	166	11	1826	E	4/15/2021	41	Poor	32	68	0	381	Marginal
2102	UNKNOWN7	VINCENT CT	UNKNOWN	161	14	2254	E	4/15/2021	39	Very Poor	46	54	0	510	Rough
1247a	PARK LN	550' W	MACLAREN LN	1142	22	25124	E	4/15/2021	48	Poor	60	40	0	355	Marginal
1247b	PARK LN	GREEN BAY RD	550' W	550	22	12100	E	4/15/2021	100	Good	100	0	0	355	Marginal
1863a	W PROSPECT AVE	GREEN BAY RD	500' W	500	22	11000	E	4/15/2021	100	Good	49	51	0	464	Rough
1863b	W PROSPECT AVE	500' W	SUNSET TER	358	22	7876	E	4/15/2021	34	Very Poor	49	51	0	464	Rough

Lake Bluff, IL

Appendix A - Street Inventory and Condition Summary

GISID / Section ID	Branch Name	From	To	Pavement Length (ft)	Pavement Width (ft)	Total Area (ft2)	Section Rank	Pavement Conditions							
								Last Survey Date (mm/dd/yyyy)	Last Survey PCI	PCI Category	PCI Pct Climate	PCI Pct Load	PCI Pct Other	Survey IRI (in/mi) (April 2021)	IRI Category
1865a	W SHERIDAN PL	500' W	MACLAREN LN	1157	22	25454	E	4/15/2021	54	Poor	61	39	0	367	Marginal
1865b	W SHERIDAN PL	GREEN BAY RD	500' W	500	22	11000	E	4/15/2021	100	Good	48	52	0	367	Marginal
1878a	WIMBLEDON RD	SOUTH END	465' N	465	23	10695	E	4/15/2021	100	Good	38	62	0	436	Rough
1878b	WIMBLEDON RD	465' N	BATH AND TENNIS CLUB RD	335	23	7705	E	4/15/2021	32	Very Poor	38	62	0	436	Rough
1881a	FOREST HILLS RD	252' N	BATH AND TENNIS CLUB RD	464	26	12064	E	4/15/2021	38	Very Poor	42	58	0	559	Rough
1881b	FOREST HILLS RD	SOUTH END	252' N	252	26	6552	E	4/15/2021	100	Good	37	63	0	559	Rough

Appendix B

$450K/Year Rehabilitation Plans by Segment

Lake Bluff, IL

Appendix B - Current Budget $450K/yr

GISID / Section ID	Branch Name	From	To	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
				Current Funding - $450k/Yr for Pavement Activities					
1124	EVANSTON AVE	E CENTER AVE	E SCRANTON AVE	75	2023	Global	$0.35	$2,495	65
1149	EVANSTON AVE	E WASHINGTON AVE	E WOODLAND RD	78	2023	Global	$0.35	$2,518	67
1148	EVANSTON AVE	E WOODLAND RD	E BLODGETT AVE	78	2023	Global	$0.35	$2,572	67
1461	GREEN BAY RD	DS@880N W ALDEN LN	DS@1369N W ALDEN LN	39	2023	Major	$3.38	$41,378	81
1460	GREEN BAY RD	DS@1369N W ALDEN LN	BATH AND TENNIS CLUB RD	42	2023	Major	$2.82	$20,557	81
1416	GREEN BAY RD	BATH AND TENNIS CLUB RD	W WITCHWOOD LN	33	2023	Major	$4.50	$116,530	81
1237	GREEN BAY RD	W WITCHWOOD LN	W HAWTHORNE CT	27	2023	Major	$4.80	$16,921	81
1236	GREEN BAY RD	W HAWTHORNE CT	PARK LN	33	2023	Major	$4.50	$46,567	81
1862	GREEN BAY RD	W PROSPECT AVE	BIRKDALE RD	39	2023	Major	$3.38	$30,484	81
1860	GREEN BAY RD	BIRKDALE RD	W CENTER AVE	30	2023	Major	$4.80	$29,939	81
1856	GREEN BAY RD	W CENTER AVE	THORNWOOD LN	46	2023	Major	$2.62	$14,755	81
1139	MOFFETT RD	E CENTER AVE	E SCRANTON AVE	72	2023	Global	$0.35	$2,367	62
1150	E CENTER AVE	E SCRANTON AVE	E SCRANTON AVE	36	2023	Major	$3.94	$63,725	81
1273	E CENTER AVE	SIMPSON ST	SUNRISE AVE	70	2023	Global	$0.35	$2,898	61
1889	E SHERIDAN PL	DS@644E RAVINE FOREST DR	MOFFETT RD	81	2023	Global	$0.35	$1,916	70
1044	ARMOUR DR	GREEN BAY RD	LEEDS CT	50	2024	Major	$2.70	$27,076	81
1043	ARMOUR DR	LEEDS CT	WEATHERFORD CT	59	2024	Major	$2.34	$17,674	81
1037	ARMOUR DR	GREENWICH CT	GRAFTON CT	53	2024	Major	$2.58	$11,230	81
1038	ARMOUR DR	GRAFTON CT	CARLYLE CIR	56	2024	Major	$2.47	$20,272	81
1039	ARMOUR DR	CARLYLE CIR	BRISTOL CT	53	2024	Major	$2.58	$19,310	81
1782	ARMOUR DR	BRISTOL CT	ASHINGTON CIR	58	2024	Major	$2.39	$26,034	81
1784	ARMOUR DR	ASHINGTON CIR	ASCOT CT	59	2024	Major	$2.34	$16,969	81
1293	EVANSTON AVE	RAVINE AVE	E PROSPECT AVE	53	2024	Major	$2.58	$17,903	81
1121	EVANSTON AVE	E NORTH AVE	E WASHINGTON AVE	86	2024	Global	$0.36	$2,601	74
1867	GREEN BAY RD	PARK LN	W SHERIDAN PL	24	2024	Major	$4.94	$48,825	85
1866	GREEN BAY RD	W SHERIDAN PL	W PROSPECT AVE	27	2024	Major	$4.94	$45,240	85
1137	MOFFETT RD	E SCRANTON AVE	E NORTH AVE	87	2024	Global	$0.36	$2,786	75
1466	SIMPSON ST	E CENTER AVE	E CENTER AVE	72	2024	Global	$0.36	$260	66
1113	E CENTER AVE	OAK AVE	EVANSTON AVE	47	2024	Major	$2.81	$18,050	81
1114	E CENTER AVE	MOFFETT RD	MAPLE AVE	81	2024	Global	$0.36	$4,643	70
1274	E CENTER AVE	SIMPSON ST	SUNRISE AVE	63	2024	Major	$2.16	$18,502	81
1144	E CENTER AVE	OAK AVE	EVANSTON AVE	54	2024	Major	$2.55	$16,494	81
1147	E CENTER AVE	MAPLE AVE	SIMPSON ST	50	2024	Major	$2.70	$21,313	81
1119	E SCRANTON AVE	SHERIDAN RD	E CENTER AVE	31	2024	Major	$4.94	$76,103	85

Lake Bluff, IL

Appendix B - Current Budget $450K/yr

GISID / Section ID	Branch Name	From	To	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
				Current Funding - $450k/Yr for Pavement Activities					
1279	E SHERIDAN PL	VINCENT CT	EVANSTON AVE	83	2024	Global	$0.36	$815	72
1280	E SHERIDAN PL	EVANSTON AVE	HIRST CT	84	2024	Global	$0.36	$1,583	73
1284	E SHERIDAN PL	NEWMAN CT	BRIAR LN	82	2024	Global	$0.36	$2,083	71
1285	E SHERIDAN PL	BRIAR LN	MOFFETT RD	48	2024	Major	$2.77	$22,319	81
1042	ARMOUR DR	WEATHERFORD CT	DS@479N WEATHERFORD CT	39	2025	Major	$4.55	$47,906	87
1035	ARMOUR DR	INVERNESS CT	HAMILTON CT	39	2025	Major	$4.55	$47,051	87
1036	ARMOUR DR	HAMILTON CT	GREENWICH CT	40	2025	Major	$4.39	$19,769	87
1783	ARMOUR DR	ASHINGTON CIR	ASHINGTON CIR	65	2025	Major	$2.34	$11,392	87
1126	EVANSTON AVE	E CENTER AVE	E CENTER AVE	65	2025	Major	$2.34	$1,902	87
1122	EVANSTON AVE	E SCRANTON AVE	E NORTH AVE	65	2025	Major	$2.34	$16,808	87
1235	GREEN BAY RD	THORNWOOD LN	W SCRANTON AVE	63	2025	Major	$2.29	$19,790	90
1988	MOFFETT RD	LANSDOWNE LN	CRESCENT DR	95	2025	Global	$0.37	$2,606	82
1007	MOFFETT RD	FOREST COVE RD	LAKELAND DR	91	2025	Global	$0.37	$3,521	79
1141	MOFFETT RD	E CENTER AVE	E CENTER AVE	67	2025	Major	$2.25	$1,699	87
1470	E CENTER AVE	E SCRANTON AVE	OAK AVE	38	2025	Major	$4.71	$31,832	87
1479	E CENTER AVE	GLEN AVE	GURNEY AVE	84	2025	Global	$0.37	$5,087	73
1115	E CENTER AVE	MAPLE AVE	SIMPSON ST	89	2025	Global	$0.37	$2,904	77
1471	E CENTER AVE	E SCRANTON AVE	OAK AVE	45	2025	Major	$3.57	$28,622	87
1477	E CENTER AVE	EVANSTON AVE	GLEN AVE	41	2025	Major	$4.22	$56,832	87
1476	E CENTER AVE	GLEN AVE	GURNEY AVE	38	2025	Major	$4.71	$64,512	87
1145	E CENTER AVE	GURNEY AVE	MOFFETT RD	36	2025	Major	$5.03	$39,724	87
1146	E CENTER AVE	MOFFETT RD	MAPLE AVE	45	2025	Major	$3.57	$45,775	87
1282	E SHERIDAN PL	FOSS CT	GLEN AVE	91	2025	Global	$0.37	$775	79
1841	ARMOUR DR	WINCHESTER CT	TROWBRIDGE CIR	33	2026	Major	$5.25	$37,274	93
1046	ARMOUR DR	MARGATE CT	LANCASTER CT	32	2026	Major	$5.25	$42,467	93
1034	ARMOUR DR	LANCASTER CT	INVERNESS CT	33	2026	Major	$5.25	$65,148	93
1041	ARMOUR DR	ASCOT CT	ARMOUR DR	36	2026	Major	$5.25	$73,231	93
1127	EVANSTON AVE	E PROSPECT AVE	E CENTER AVE	69	2026	Major	$2.44	$17,591	93
1263	MAPLE AVE	E CENTER AVE	E CENTER AVE	64	2026	Major	$2.38	$1,457	96
1855	MAWMAN AVE	MAIN ST	NORTH END	66	2026	Major	$2.28	$14,683	96
1174	MOFFETT RD	E SHERIDAN RD	E SHERIDAN RD	96	2026	Global	$0.38	$1,893	83
1886	MOFFETT RD	CRESCENT DR	E WITCHWOOD LN	95	2026	Global	$0.38	$4,173	82
1409	MOFFETT RD	E WITCHWOOD LN	FOREST COVE RD	95	2026	Global	$0.38	$3,029	82
1005	MOFFETT RD	LAKELAND DR	E SHERIDAN PL	95	2026	Global	$0.38	$3,408	82

Lake Bluff, IL

Appendix B - Current Budget $450K/yr

GISID / Section ID	Branch Name	From	To	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
				Current Funding - $450k/Yr for Pavement Activities					
1290	MOFFETT RD	SYLVAN RD	RAVINE AVE	69	2026	Major	$2.44	$10,297	93
1267	SUNRISE AVE	E CENTER AVE	E CENTER AVE	64	2026	Major	$2.38	$2,380	96
1738	E CENTER AVE	GURNEY AVE	MOFFETT RD	32	2026	Major	$5.25	$41,334	93
1286	E SHERIDAN PL	SHERIDAN RD	VINCENT CT	33	2026	Major	$5.25	$128,062	93
1281	E SHERIDAN PL	HIRST CT	FOSS CT	95	2026	Global	$0.38	$2,217	82
1040	ARMOUR DR	DS@479N WEATHERFORD CT	WINCHESTER CT	27	2027	Major	$5.40	$46,356	100
1838	ARMOUR DR	TROWBRIDGE CIR	JAMES CT	31	2027	Major	$5.40	$45,405	100
1839	ARMOUR DR	JAMES CT	PHILIP CT	17	2027	Major	$7.27	$27,583	100
1045	ARMOUR DR	PHILIP CT	NORWICH CT	30	2027	Major	$5.40	$94,813	100
1033	ARMOUR DR	NORWICH CT	MARGATE CT	32	2027	Major	$5.40	$35,415	100
1294	EVANSTON AVE	E SHERIDAN PL	RAVINE AVE	26	2027	Major	$5.40	$42,433	100
1089	LINCOLN AVE	HANCOCK AVE	W WASHINGTON AVE	68	2027	Major	$2.40	$28,516	100
1885	MOFFETT RD	E SHERIDAN RD	LANSDOWNE LN	97	2027	Global	$0.39	$3,822	84
1162	MOFFETT RD	E SHERIDAN PL	SYLVAN RD	99	2027	Global	$0.39	$2,211	86
1143	MOFFETT RD	RAVINE AVE	E PROSPECT AVE	95	2027	Global	$0.39	$2,242	82
1142	MOFFETT RD	E PROSPECT AVE	E CENTER AVE	97	2027	Global	$0.39	$2,730	84
1468	SIMPSON ST	PARK PL	E PROSPECT AVE	82	2027	Global	$0.39	$2,190	75
2099	UNKNOWN5	E SHERIDAN PL	SOUTH END	68	2027	Major	$2.40	$12,844	100
1480	E CENTER AVE	EVANSTON AVE	GLEN AVE	30	2027	Major	$5.40	$73,046	100
1283	E SHERIDAN PL	GLEN AVE	NEWMAN CT	96	2027	Global	$0.39	$1,447	83
1086	W WASHINGTON AVE	ROCKLAND AVE	LINCOLN AVE	68	2027	Major	$2.40	$19,075	100
1847	W WASHINGTON AVE	W BLODGETT AVE	GREEN BAY RD	69	2027	Major	$2.34	$6,603	100

Appendix C

$1.74M/Year Rehabilitation Plans by Segment

Lake Bluff, IL

Appendix C - $1.74M/Year Rehabilitation Plans by Segment

					Eliminate Backlog in 5 Years					
GISID / Section ID	Branch Name	From	To	Section Rank	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
1044	ARMOUR DR	GREEN BAY RD	LEEDS CT	C	50	2023	Major	$2.49	$24,977	75
1043	ARMOUR DR	LEEDS CT	WEATHERFORD CT	C	59	2023	Major	$2.08	$15,702	75
1042	ARMOUR DR	WEATHERFORD CT	DS@479N WEATHERFORD CT	C	39	2023	Major	$3.47	$36,574	75
1841	ARMOUR DR	WINCHESTER CT	TROWBRIDGE CIR	C	33	2023	Major	$4.57	$32,474	75
1839	ARMOUR DR	JAMES CT	PHILIP CT	C	17	2023	Major	$5.90	$22,406	75
1046	ARMOUR DR	MARGATE CT	LANCASTER CT	C	32	2023	Major	$4.75	$38,471	75
1034	ARMOUR DR	LANCASTER CT	INVERNESS CT	C	33	2023	Major	$4.57	$56,759	75
1035	ARMOUR DR	INVERNESS CT	HAMILTON CT	C	39	2023	Major	$3.47	$35,922	75
1036	ARMOUR DR	HAMILTON CT	GREENWICH CT	C	40	2023	Major	$3.29	$14,817	75
1037	ARMOUR DR	GREENWICH CT	GRAFTON CT	C	53	2023	Major	$2.37	$10,293	75
1038	ARMOUR DR	GRAFTON CT	CARLYLE CIR	C	56	2023	Major	$2.23	$18,288	75
1039	ARMOUR DR	CARLYLE CIR	BRISTOL CT	C	53	2023	Major	$2.37	$17,700	75
1782	ARMOUR DR	BRISTOL CT	ASHINGTON CIR	C	58	2023	Major	$2.13	$23,217	75
1784	ARMOUR DR	ASHINGTON CIR	ASCOT CT	C	59	2023	Major	$2.08	$15,076	75
1041	ARMOUR DR	ASCOT CT	ARMOUR DR	C	36	2023	Major	$4.02	$56,128	75
1053	ASCOT CT	NE END	ARMOUR DR	E	75	2023	Global	$0.35	$2,579	69
1258	BLUFF RD	SOUTH END	E BLODGETT AVE	E	78	2023	Global	$0.35	$2,234	72
1291	BRIAR LN	SOUTH END	E SHERIDAN PL	E	80	2023	Global	$0.35	$4,279	73
1781	BRIERFIELD CT	BRADFORD CT	ASHINGTON CIR	E	77	2023	Global	$0.35	$2,094	71
1054	BRISTOL CT	EAST END	ARMOUR DR	E	71	2023	Global	$0.35	$2,225	65
1055	BUCKMINSTER CT	SE END	WEATHERFORD CT	E	84	2023	Global	$0.35	$2,911	77
1052	CARLYLE CIR	ARMOUR DR	COVENTRY CT	E	72	2023	Global	$0.35	$3,763	66
1196	CARRIAGE PARK LN	ALBRECHT DR	WAUKEGAN RD	E	77	2023	Global	$0.35	$12,835	71
1884	CRESCENT DR	SW END	MOFFETT RD	E	86	2023	Global	$0.35	$4,270	79
1293	EVANSTON AVE	RAVINE AVE	E PROSPECT AVE	C	53	2023	Major	$2.37	$16,410	75
1124	EVANSTON AVE	E CENTER AVE	E SCRANTON AVE	C	75	2023	Global	$0.35	$2,495	65
1121	EVANSTON AVE	E NORTH AVE	E WASHINGTON AVE	C	86	2023	Global	$0.35	$2,526	74
1149	EVANSTON AVE	E WASHINGTON AVE	E WOODLAND RD	C	78	2023	Global	$0.35	$2,518	67
1148	EVANSTON AVE	E WOODLAND RD	E BLODGETT AVE	C	78	2023	Global	$0.35	$2,572	67
1004	FOSS CT	SOUTH END	E SHERIDAN PL	E	84	2023	Global	$0.35	$2,123	77
1093	GARFIELD AVE	W SCRANTON AVE	HANCOCK AVE	E	79	2023	Global	$0.35	$3,073	72
1200	GARFIELD AVE	HANCOCK AVE	W WASHINGTON AVE	E	86	2023	Global	$0.35	$3,024	79
1201	GARFIELD AVE	W WASHINGTON AVE	W WASHINGTON AVE	E	84	2023	Global	$0.35	$1,540	77
1461	GREEN BAY RD	DS@880N W ALDEN LN	DS@1369N W ALDEN LN	A	39	2023	Major	$3.38	$41,378	81
1460	GREEN BAY RD	DS@1369N W ALDEN LN	BATH AND TENNIS CLUB RD	A	42	2023	Major	$2.82	$20,557	81

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GISID / Section ID	Branch Name	From	To	Section Rank	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
					Eliminate Backlog in 5 Years					
1416	GREEN BAY RD	BATH AND TENNIS CLUB RD	W WITCHWOOD LN	A	33	2023	Major	$4.50	$116,530	81
1237	GREEN BAY RD	W WITCHWOOD LN	W HAWTHORNE CT	A	27	2023	Major	$4.80	$16,921	81
1236	GREEN BAY RD	W HAWTHORNE CT	PARK LN	A	33	2023	Major	$4.50	$46,567	81
1867	GREEN BAY RD	PARK LN	W SHERIDAN PL	A	24	2023	Major	$4.80	$47,403	81
1866	GREEN BAY RD	W SHERIDAN PL	W PROSPECT AVE	A	27	2023	Major	$4.80	$43,923	81
1862	GREEN BAY RD	W PROSPECT AVE	BIRKDALE RD	A	39	2023	Major	$3.38	$30,484	81
1860	GREEN BAY RD	BIRKDALE RD	W CENTER AVE	A	30	2023	Major	$4.80	$29,939	81
1856	GREEN BAY RD	W CENTER AVE	THORNWOOD LN	A	46	2023	Major	$2.62	$14,755	81
1153	GURNEY AVE	E CENTER AVE	E CENTER AVE	E	75	2023	Global	$0.35	$272	69
1048	HAMILTON CT	ARMOUR DR	WEST END	E	77	2023	Global	$0.35	$4,276	71
1090	HANCOCK AVE	LINCOLN AVE	PINE CT	E	73	2023	Global	$0.35	$2,968	67
1088	HANCOCK AVE	PINE CT	GARFIELD AVE	E	85	2023	Global	$0.35	$2,394	78
1060	INVERNESS CT	NE END	HEATHROW CT	E	75	2023	Global	$0.35	$4,716	69
1840	JAMES CT	ARMOUR DR	NORTH END	E	85	2023	Global	$0.35	$3,544	78
1057	LANCASTER CT	ARMOUR DR	NORTH END	E	88	2023	Global	$0.35	$3,469	81
1487	LINCOLN AVE	W WASHINGTON AVE	W BLODGETT AVE	E	76	2023	Global	$0.35	$3,353	70
1264	MAPLE AVE	E PROSPECT AVE	E CENTER AVE	E	79	2023	Global	$0.35	$2,111	72
1876	MAWMAN AVE	W WITCHWOOD LN	PARK LN	E	78	2023	Global	$0.35	$2,672	72
1007	MOFFETT RD	FOREST COVE RD	LAKELAND DR	C	91	2023	Global	$0.35	$3,319	75
1139	MOFFETT RD	E CENTER AVE	E SCRANTON AVE	C	72	2023	Global	$0.35	$2,367	62
1875	PARK LN	MAWMAN AVE	LINCOLN AVE	E	75	2023	Global	$0.35	$3,990	69
1872	PARK LN	LINCOLN AVE	GREEN BAY RD	E	88	2023	Global	$0.35	$4,326	81
1271	PARK PL	SIMPSON ST	SUNRISE AVE	E	87	2023	Global	$0.35	$2,758	80
1087	PINE CT	HANCOCK AVE	W WASHINGTON AVE	E	87	2023	Global	$0.35	$3,759	80
1098	ROCKLAND AVE	W SHERIDAN PL	W CENTER AVE	E	71	2023	Global	$0.35	$6,699	65
1851	ROCKLAND AVE	MAIN ST	W BLODGETT AVE	E	86	2023	Global	$0.35	$2,065	79
1078	ROTHBURY CT	ARMOUR DR	WEST END	E	81	2023	Global	$0.35	$4,492	74
1032	SIGNE CT	GREEN BAY RD	WEST END	E	81	2023	Global	$0.35	$7,504	74
1467	SIMPSON ST	RAVINE AVE	PARK PL	E	80	2023	Global	$0.35	$1,897	73
1468	SIMPSON ST	PARK PL	E PROSPECT AVE	E	82	2023	Global	$0.35	$1,946	75
1469	SIMPSON ST	E PROSPECT AVE	E CENTER AVE	E	76	2023	Global	$0.35	$2,345	70
1466	SIMPSON ST	E CENTER AVE	E CENTER AVE	E	72	2023	Global	$0.35	$252	66
1276	SUNRISE AVE	RAVINE AVE	PARK PL	E	76	2023	Global	$0.35	$1,682	70
1275	SUNRISE AVE	PARK PL	E PROSPECT AVE	E	86	2023	Global	$0.35	$1,739	79
1079	TROWBRIDGE CIR	ARMOUR DR	ARMOUR DR	E	84	2023	Global	$0.35	$3,496	77

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					Eliminate Backlog in 5 Years					
2100	UNKNOWN6	E SHERIDAN PL	UNKNOWN	E	71	2023	Global	$0.35	$1,832	65
1056	WARRINGTON CT	WARRINGTON DR	WEST END	E	81	2023	Global	$0.35	$2,624	74
1837	WARRINGTON CT	GREEN BAY RD	JAMES CT	E	76	2023	Global	$0.35	$9,210	70
1070	WARRINGTON CT	JAMES CT	WARRINGTON CT	E	79	2023	Global	$0.35	$6,608	72
1071	WARRINGTON CT	WARRINGTON CT	GREEN BAY RD	E	76	2023	Global	$0.35	$8,555	70
1081	WEATHERFORD CT	BUCKMINSTER CT	WEST END	E	76	2023	Global	$0.35	$5,998	70
1986	WIMBLEDON CT	CLAY CT	WIMBLEDON CT (W CIR)	E	84	2023	Global	$0.35	$3,735	77
1080	WINCHESTER CT	ARMOUR DR	WEST END	E	80	2023	Global	$0.35	$4,580	73
1117	E BLODGETT AVE	SHERIDAN RD	OAK AVE	E	76	2023	Global	$0.35	$3,690	70
1120	E BLODGETT AVE	OAK AVE	EVANSTON AVE	E	75	2023	Global	$0.35	$5,513	69
1798	E BLODGETT AVE	EVANSTON AVE	CRABTREE LN	E	75	2023	Global	$0.35	$6,880	69
1799	E BLODGETT AVE	CRABTREE LN	MOFFETT RD	E	78	2023	Global	$0.35	$3,212	72
1099	E BLODGETT AVE	MOFFETT RD	BIRCH RD	E	79	2023	Global	$0.35	$4,616	72
1257	E BLODGETT AVE	BIRCH RD	BLUFF RD	E	74	2023	Global	$0.35	$2,080	68
1150	E CENTER AVE	E SCRANTON AVE	E SCRANTON AVE	A	36	2023	Major	$3.94	$63,725	81
1470	E CENTER AVE	E SCRANTON AVE	OAK AVE	C	38	2023	Major	$3.65	$24,705	75
1113	E CENTER AVE	OAK AVE	EVANSTON AVE	C	47	2023	Major	$2.61	$16,751	75
1738	E CENTER AVE	GURNEY AVE	MOFFETT RD	C	32	2023	Major	$4.75	$37,444	75
1114	E CENTER AVE	MOFFETT RD	MAPLE AVE	C	81	2023	Global	$0.35	$4,508	70
1115	E CENTER AVE	MAPLE AVE	SIMPSON ST	C	89	2023	Global	$0.35	$2,737	75
1471	E CENTER AVE	E SCRANTON AVE	OAK AVE	C	45	2023	Major	$2.69	$21,560	75
1144	E CENTER AVE	OAK AVE	EVANSTON AVE	C	54	2023	Major	$2.32	$15,065	75
1477	E CENTER AVE	EVANSTON AVE	GLEN AVE	C	41	2023	Major	$3.10	$41,766	75
1476	E CENTER AVE	GLEN AVE	GURNEY AVE	C	38	2023	Major	$3.65	$50,068	75
1145	E CENTER AVE	GURNEY AVE	MOFFETT RD	C	36	2023	Major	$4.02	$31,761	75
1146	E CENTER AVE	MOFFETT RD	MAPLE AVE	C	45	2023	Major	$2.69	$34,480	75
1147	E CENTER AVE	MAPLE AVE	SIMPSON ST	C	50	2023	Major	$2.49	$19,661	75
1273	E CENTER AVE	SIMPSON ST	SUNRISE AVE	C	70	2023	Global	$0.35	$2,898	61
1104	E NORTH AVE	EVANSTON AVE	GLEN AVE	E	70	2023	Global	$0.35	$4,939	64
1482	E PROSPECT AVE	EVANSTON AVE	GLEN AVE	E	71	2023	Global	$0.35	$5,259	65
1481	E PROSPECT AVE	GLEN AVE	GURNEY AVE	E	84	2023	Global	$0.35	$5,251	77
1407	E PROSPECT AVE	MOFFETT RD	MAPLE AVE	E	87	2023	Global	$0.35	$5,020	80
1270	E PROSPECT AVE	SUNRISE AVE	SUNRISE AVE	E	73	2023	Global	$0.35	$832	67
1119	E SCRANTON AVE	SHERIDAN RD	E CENTER AVE	A	31	2023	Major	$4.80	$73,886	81
1111	E SCRANTON AVE	MAPLE AVE	MOUNTAIN RD	E	78	2023	Global	$0.35	$1,279	72

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1112	E SCRANTON AVE	MOUNTAIN RD	SIMPSON ST	E	86	2023	Global	$0.35	$1,646	79
1272	E SCRANTON AVE	SIMPSON ST	SUNRISE AVE	E	81	2023	Global	$0.35	$2,712	74
1002	E SCRANTON AVE	W SCRANTON AVE	E SCRANTON AVE	O	71	2023	Global	$0.35	$1,756	65
1001	E SCRANTON AVE	DS@246N SHERIDAN RD	E SCRANTON AVE	O	70	2023	Global	$0.35	$1,610	64
1286	E SHERIDAN PL	SHERIDAN RD	VINCENT CT	C	33	2023	Major	$4.57	$111,571	75
1285	E SHERIDAN PL	BRIAR LN	MOFFETT RD	C	48	2023	Major	$2.57	$20,672	75
1889	E SHERIDAN PL	DS@644E RAVINE FOREST DR	MOFFETT RD	C	81	2023	Global	$0.35	$1,916	70
1823	N BIRCH AVE	DS@248N MEADOW CIR	N BIRCH AVE	E	85	2023	Global	$0.35	$11,865	78
1488	W BLODGETT AVE	LINCOLN AVE	W WASHINGTON AVE	E	78	2023	Global	$0.35	$7,210	72
1030	W SANCTUARY LN	EAST END	W SANCTUARY LN	E	71	2023	Global	$0.35	$2,689	65
2064	W SCRANTON AVE	E SCRANTON AVE	SHERIDAN RD	O	21	2023	Major	$4.80	$10,945	81
2065	W SCRANTON AVE	SHERIDAN RD	MAWMAN AVE	O	43	2023	Major	$2.75	$55,126	81
1864	W SHERIDAN PL	DS@166W PINE CT	GREEN BAY RD	E	77	2023	Global	$0.35	$1,183	71
1403	W WASHINGTON AVE	LINCOLN AVE	PINE CT	E	82	2023	Global	$0.35	$2,863	75
1401	W WASHINGTON AVE	PINE CT	DS@245W PINE CT	E	82	2023	Global	$0.35	$1,715	75
1402	W WASHINGTON AVE	DS@245W PINE CT	GARFIELD AVE	E	80	2023	Global	$0.35	$1,449	73
1489	W WASHINGTON AVE	GARFIELD AVE	W BLODGETT AVE	E	83	2023	Global	$0.35	$1,022	76
1199	W WASHINGTON AVE	W WASHINGTON AVE	GARFIELD AVE	E	87	2023	Global	$0.35	$1,148	80
1847	W WASHINGTON AVE	W BLODGETT AVE	GREEN BAY RD	E	69	2023	Global	$0.35	$986	63
1848	W WASHINGTON AVE	GREEN BAY RD	WEST END	E	84	2023	Global	$0.35	$8,930	77
1871	W WITCHWOOD LN	MAWMAN AVE	HICKORY CT	E	86	2023	Global	$0.35	$2,418	79
1040	ARMOUR DR	DS@479N WEATHERFORD CT	WINCHESTER CT	C	27	2024	Major	$4.94	$42,422	81
1838	ARMOUR DR	TROWBRIDGE CIR	JAMES CT	C	31	2024	Major	$4.94	$41,552	81
1045	ARMOUR DR	PHILIP CT	NORWICH CT	C	30	2024	Major	$4.94	$86,768	81
1033	ARMOUR DR	NORWICH CT	MARGATE CT	C	32	2024	Major	$4.94	$32,410	81
1785	ASHINGTON CIR	ARMOUR DR	ARMOUR DR	E	57	2024	Major	$2.32	$18,193	89
1880	BOARDMAN CT	BATH AND TENNIS CLUB RD	NW END	E	54	2024	Major	$2.46	$13,758	89
1780	BRADFORD CT	BRIERFIELD CT	WEST END	E	55	2024	Major	$2.42	$26,474	89
1779	BRIERFIELD CT	EAST END	BRADFORD CT	E	57	2024	Major	$2.32	$34,191	89
1339	CAMBRIDGE RD	E SHERIDAN RD	EAST END	E	58	2024	Major	$2.27	$59,816	89
1579	CAMPBELL CT	CAMPBELL CT	NORTH END	E	46	2024	Major	$2.80	$22,573	89
1254	EVA TER	ROCKLAND RD	NORTH END	E	90	2024	Global	$0.36	$1,893	83
1294	EVANSTON AVE	E SHERIDAN PL	RAVINE AVE	C	26	2024	Major	$4.94	$38,833	81
1050	GRAFTON CT	ARMOUR DR	WEST END	E	58	2024	Major	$2.27	$24,633	89
1234	HICKORY CT	SOUTH END	W WITCHWOOD LN	E	47	2024	Major	$2.76	$19,587	89

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1006	HIRST CT	SOUTH END	E SHERIDAN PL	E	60	2024	Major	$2.16	$19,378	89
1175	INDIAN RD	SW END	E SHERIDAN RD	E	50	2024	Major	$2.63	$25,538	89
1072	JAMES CT	SE END	WARRINGTON DR	E	89	2024	Global	$0.36	$1,094	82
1082	LEEDS CT	SE END	ARMOUR DR	E	53	2024	Major	$2.50	$13,182	89
1091	LINCOLN AVE	W SCRANTON AVE	HANCOCK AVE	E	55	2024	Major	$2.42	$12,122	89
1243	MACLAREN LN	W WITCHWOOD LN	W HAWTHORNE CT	E	57	2024	Major	$2.32	$18,703	89
1244	MACLAREN LN	W HAWTHORNE CT	PARK LN	E	54	2024	Major	$2.46	$20,838	89
1486	MACLAREN LN	PARK LN	W SHERIDAN PL	E	47	2024	Major	$2.76	$22,829	89
1261	MAPLE AVE	E SCRANTON AVE	E NORTH AVE	E	91	2024	Global	$0.36	$2,498	84
1854	MAWMAN AVE	W SCRANTON AVE	MAIN ST	E	54	2024	Major	$2.46	$53,042	89
1174	MOFFETT RD	E SHERIDAN RD	E SHERIDAN RD	C	96	2024	Global	$0.36	$1,784	81
1885	MOFFETT RD	E SHERIDAN RD	LANSDOWNE LN	C	97	2024	Global	$0.36	$3,498	81
1988	MOFFETT RD	LANSDOWNE LN	CRESCENT DR	C	95	2024	Global	$0.36	$2,530	81
1886	MOFFETT RD	CRESCENT DR	E WITCHWOOD LN	C	95	2024	Global	$0.36	$3,934	81
1409	MOFFETT RD	E WITCHWOOD LN	FOREST COVE RD	C	95	2024	Global	$0.36	$2,855	81
1005	MOFFETT RD	LAKELAND DR	E SHERIDAN PL	C	95	2024	Global	$0.36	$3,212	81
1137	MOFFETT RD	E SCRANTON AVE	E NORTH AVE	C	87	2024	Global	$0.36	$2,786	75
1140	OAK AVE	E CENTER AVE	E CENTER AVE	E	23	2024	Major	$4.94	$5,637	89
1135	OAK AVE	E SCRANTON AVE	E NORTH AVE	E	51	2024	Major	$2.59	$18,614	89
1132	OAK AVE	E WASHINGTON AVE	E WOODLAND RD	E	90	2024	Global	$0.36	$2,228	83
1129	OAK AVE	E WOODLAND RD	E BLODGETT AVE	E	91	2024	Global	$0.36	$2,336	84
1083	OAK RIDGE CT	EAST END	GREEN BAY RD	E	46	2024	Major	$2.80	$32,460	89
1247a	PARK LN	550' W	MACLAREN LN	E	48	2024	Major	$2.71	$68,201	89
1464	RAVINE AVE	MOFFETT RD	SIMPSON ST	E	58	2024	Major	$2.27	$51,508	89
1463	RAVINE AVE	SIMPSON ST	SUNRISE AVE	E	58	2024	Major	$2.27	$17,849	89
1169	RAVINE FOREST DR	SHERIDAN RD	OAK TER	E	45	2024	Major	$2.84	$62,576	89
1180	RAVINE FOREST DR	OAK TER	E SHERIDAN RD	E	48	2024	Major	$2.71	$80,081	89
1268	SUNRISE AVE	E PROSPECT AVE	E CENTER AVE	E	53	2024	Major	$2.50	$14,551	89
1266	SUNRISE AVE	E CENTER AVE	E SCRANTON AVE	E	53	2024	Major	$2.50	$14,596	89
1289	SYLVAN RD	GLEN AVE	MOFFETT RD	E	92	2024	Global	$0.36	$6,521	85
1240	WIMBLEDON CT	WIMBLEDON CT (W CIR)	WIMBLEDON CT (E CIR)	E	91	2024	Global	$0.36	$746	84
1238	WIMBLEDON CT	WIMBLEDON CT (E CIR)	NORTH END	E	91	2024	Global	$0.36	$2,215	84
1239	WIMBLEDON CT E CIR	WIMBLEDON CT	EAST END	E	92	2024	Global	$0.36	$1,324	85
1480	E CENTER AVE	EVANSTON AVE	GLEN AVE	C	30	2024	Major	$4.94	$66,847	81
1274	E CENTER AVE	SIMPSON ST	SUNRISE AVE	C	63	2024	Major	$2.16	$18,502	81

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1173	E HAWTHORNE CT	SHERIDAN RD	OAK TER	E	54	2024	Major	$2.46	$45,037	89
1105	E NORTH AVE	GLEN AVE	MOFFETT RD	E	44	2024	Major	$2.96	$56,107	89
1003	E PROSPECT AVE	WEST END	EVANSTON AVE	E	47	2024	Major	$2.76	$23,711	89
1269	E PROSPECT AVE	SIMPSON ST	SUNRISE AVE	E	54	2024	Major	$2.46	$21,542	89
1109	E SCRANTON AVE	GURNEY AVE	MOFFETT RD	E	91	2024	Global	$0.36	$2,460	84
1161	E SCRANTON AVE	SHERIDAN RD	DS@246N SHERIDAN RD	O	57	2024	Major	$2.32	$13,107	89
1279	E SHERIDAN PL	VINCENT CT	EVANSTON AVE	C	83	2024	Global	$0.36	$815	72
1280	E SHERIDAN PL	EVANSTON AVE	HIRST CT	C	84	2024	Global	$0.36	$1,583	73
1281	E SHERIDAN PL	HIRST CT	FOSS CT	C	95	2024	Global	$0.36	$2,089	81
1282	E SHERIDAN PL	FOSS CT	GLEN AVE	C	91	2024	Global	$0.36	$753	79
1283	E SHERIDAN PL	GLEN AVE	NEWMAN CT	C	96	2024	Global	$0.36	$1,324	81
1284	E SHERIDAN PL	NEWMAN CT	BRIAR LN	C	82	2024	Global	$0.36	$2,083	71
1473	E WASHINGTON AVE	SHERIDAN RD	OAK AVE	E	85	2024	Global	$0.36	$5,087	78
1103	E WASHINGTON AVE	OAK AVE	EVANSTON AVE	E	52	2024	Major	$2.54	$28,350	89
1102	E WASHINGTON AVE	EVANSTON AVE	MOFFETT RD	E	47	2024	Major	$2.76	$86,298	89
1256	E WASHINGTON AVE	BIRCH RD	MAPLE AVE	E	55	2024	Major	$2.42	$8,479	89
1231	N ENVIRON CIR	W SANCTUARY LN	W SANCTUARY LN	E	89	2024	Global	$0.36	$9,373	82
1249	W CENTER AVE	MAWMAN AVE	ROCKLAND AVE	E	92	2024	Global	$0.36	$2,945	85
1246	W HAWTHORNE CT	GREEN BAY RD	SUNSET TER	E	90	2024	Global	$0.36	$7,147	83
1245	W HAWTHORNE CT	SUNSET TER	MACLAREN LN	E	89	2024	Global	$0.36	$7,902	82
1870	W NORTH SHORE DR	SHERWOOD TER	N WAUKEGAN RD	E	51	2024	Major	$2.59	$133,200	89
1296	W SANCTUARY LN	W SANCTUARY CT	ATKINSON RD	E	48	2024	Major	$2.71	$16,532	89
1095	W SHERIDAN PL	MAWMAN AVE	ROCKLAND AVE	E	47	2024	Major	$2.76	$18,693	89
1094	W SHERIDAN PL	ROCKLAND AVE	LINCOLN AVE	E	49	2024	Major	$2.67	$20,952	89
1404	W SHERIDAN PL	LINCOLN AVE	DS@215W LINCOLN AVE	E	54	2024	Major	$2.46	$10,579	89
2059	W SHERIDAN PL	DS@215W LINCOLN AVE	PINE CT	E	60	2024	Major	$2.16	$7,093	89
2058	W SHERIDAN PL	PINE CT	DS@166W PINE CT	E	52	2024	Major	$2.54	$8,449	89
1865a	W SHERIDAN PL	500' W	MACLAREN LN	E	54	2024	Major	$2.46	$62,622	89
1233	W WITCHWOOD LN	HICKORY CT	JENSEN LN	E	49	2024	Major	$2.59	$28,622	98
1062	ARBOR DR	SHERIDAN RD	ARBOR CT	E	62	2025	Major	$2.27	$27,454	93
1065	ARBOR DR S CIR	ARBOR DR (N CIR)	ARBOR DR (N CIR)	E	44	2025	Major	$3.50	$13,227	93
1783	ARMOUR DR	ASHINGTON CIR	ASHINGTON CIR	C	65	2025	Major	$2.34	$11,392	87
1400	BELLE FORET DR	GREEN BAY RD	BELLE FORET DR (S CIR)	E	35	2025	Major	$5.09	$111,116	93
1683	BELLE FORET DR	BELLE FORET DR (S CIR)	DS@253W BELLE FORET DR (S CIR)	E	42	2025	Major	$3.88	$20,622	93
1682	BELLE FORET DR	DS@253W BELLE FORET DR (S CIR)	DS@501W BELLE FORET DR (S CIR)	E	44	2025	Major	$3.50	$18,205	93

Lake Bluff, IL

Appendix C - $1.74M/Year Rehabilitation Plans by Segment

GISID / Section ID	Branch Name	From	To	Section Rank	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
					Eliminate Backlog in 5 Years					
1681	BELLE FORET DR	DS@501W BELLE FORET DR (S CIR)	DS@678W BELLE FORET DR (S CIR)	E	38	2025	Major	$4.65	$17,198	93
1417	BELLE FORET DR	DS@678W BELLE FORET DR (S CIR)	BELLE FORET DR (S CIR)	E	41	2025	Major	$4.07	$32,325	93
1686	BELLE FORET DR	DS@615W BELLE FORET DR (N CIR)	DS@966W BELLE FORET DR (N CIR)	E	36	2025	Major	$5.04	$37,127	93
1687	BELLE FORET DR	DS@966W BELLE FORET DR (N CIR)	BELLE FORET DR (N CIR)	E	38	2025	Major	$4.65	$12,215	93
1259	BIRCH RD	E WASHINGTON AVE	E BLODGETT AVE	E	93	2025	Global	$0.37	$4,881	86
1578	CAMPBELL CT	CAMPBELL CT	W KOHL AVE	E	45	2025	Major	$3.30	$13,506	93
1051	COVENTRY CT	EAST END	CARLYLE CIR	E	63	2025	Major	$2.22	$12,731	93
1126	EVANSTON AVE	E CENTER AVE	E CENTER AVE	C	65	2025	Major	$2.34	$1,902	87
1122	EVANSTON AVE	E SCRANTON AVE	E NORTH AVE	C	65	2025	Major	$2.34	$16,808	87
1170	FOREST COVE RD	MOFFETT RD	EAST END	E	35	2025	Major	$5.09	$174,538	93
1881a	FOREST HILLS RD	252' N	BATH AND TENNIS CLUB RD	E	38	2025	Major	$4.65	$56,136	93
1288	GLEN AVE	E SHERIDAN PL	SYLVAN RD	E	93	2025	Global	$0.37	$1,693	86
1235	GREEN BAY RD	THORNWOOD LN	W SCRANTON AVE	A	63	2025	Major	$2.29	$19,790	90
1049	GREENWICH CT	EAST END	ARMOUR DR	E	93	2025	Global	$0.37	$2,203	86
1123	GURNEY AVE	E SCRANTON AVE	E NORTH AVE	E	43	2025	Major	$3.69	$24,817	93
1047	HEATHROW CT	INVERNESS CT	WEST END	E	42	2025	Major	$3.88	$41,046	93
1987	LANSDOWNE LN	MOFFETT RD	EAST END	E	39	2025	Major	$4.46	$150,934	93
1097	LINCOLN AVE	W SHERIDAN PL	W CENTER AVE	E	62	2025	Major	$2.27	$45,693	93
1853	MAIN ST	MAWMAN AVE	ROCKLAND AVE	E	38	2025	Major	$4.65	$28,645	93
1262	MAPLE AVE	E CENTER AVE	E SCRANTON AVE	E	95	2025	Global	$0.37	$2,376	88
1260	MAPLE AVE	E NORTH AVE	E WASHINGTON AVE	E	93	2025	Global	$0.37	$2,421	86
1058	MARGATE CT	ARMOUR DR	NORTH END	E	93	2025	Global	$0.37	$4,604	86
1336	MEADOW CIR	N BIRCH AVE	N BIRCH AVE	E	95	2025	Global	$0.37	$11,276	88
1162	MOFFETT RD	E SHERIDAN PL	SYLVAN RD	C	99	2025	Global	$0.37	$2,084	86
1143	MOFFETT RD	RAVINE AVE	E PROSPECT AVE	C	95	2025	Global	$0.37	$2,113	82
1142	MOFFETT RD	E PROSPECT AVE	E CENTER AVE	C	97	2025	Global	$0.37	$2,573	84
1141	MOFFETT RD	E CENTER AVE	E CENTER AVE	C	67	2025	Major	$2.25	$1,699	87
1484	MOUNTAIN RD	E SCRANTON AVE	DS@357N E SCRANTON AVE	E	40	2025	Major	$4.27	$30,469	93
1485	MOUNTAIN RD	DS@357N E SCRANTON AVE	SUNRISE AVE	E	36	2025	Major	$5.04	$38,683	93
1172	OAK TER	E HAWTHORNE CT	RAVINE FOREST DR	E	93	2025	Global	$0.37	$2,909	86
1168	OAK TER	RAVINE FOREST DR	E WITCHWOOD LN	E	37	2025	Major	$4.84	$41,910	93
1465	SIMPSON ST	E CENTER AVE	E SCRANTON AVE	E	87	2025	Global	$0.37	$2,391	80
1883	SUNSET PL	SHERIDAN RD	EAST END	E	41	2025	Major	$4.07	$55,757	93
1287	SYLVAN RD	EVANSTON AVE	GLEN AVE	E	94	2025	Global	$0.37	$4,337	87
2101	UNKNOWN1	UNKNOWN	HIRST CT	E	41	2025	Major	$4.07	$7,436	93

Lake Bluff, IL

Appendix C - $1.74M/Year Rehabilitation Plans by Segment

					Eliminate Backlog in 5 Years					
GISID / Section ID	Branch Name	From	To	Section Rank	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
2102	UNKNOWN7	VINCENT CT	UNKNOWN	E	39	2025	Major	$4.46	$10,049	93
1134	WALNUT AVE	E SCRANTON AVE	E NORTH AVE	E	34	2025	Major	$5.09	$43,298	93
1877	WIMBLEDON CT	BATH AND TENNIS CLUB RD	CLAY CT	E	61	2025	Major	$2.32	$27,802	93
1479	E CENTER AVE	GLEN AVE	GURNEY AVE	C	84	2025	Global	$0.37	$5,087	73
1472	E NORTH AVE	SHERIDAN RD	WALNUT AVE	E	36	2025	Major	$5.04	$33,576	93
1405	E NORTH AVE	WALNUT AVE	OAK AVE	E	63	2025	Major	$2.22	$20,242	93
1106	E NORTH AVE	MOFFETT RD	MAPLE AVE	E	63	2025	Major	$2.22	$39,607	93
1116	E PROSPECT AVE	GURNEY AVE	MOFFETT RD	E	93	2025	Global	$0.37	$3,210	86
1408	E PROSPECT AVE	MAPLE AVE	SIMPSON ST	E	61	2025	Major	$2.32	$20,705	93
1420	E SCRANTON AVE	OAK AVE	EVANSTON AVE	E	38	2025	Major	$4.65	$49,287	93
1108	E SCRANTON AVE	GLEN AVE	GURNEY AVE	E	85	2025	Global	$0.37	$5,972	78
1110	E SCRANTON AVE	MOFFETT RD	MAPLE AVE	E	93	2025	Global	$0.37	$5,139	86
1151	E SCRANTON AVE	W SCRANTON AVE	DS@195E W SCRANTON AVE	O	40	2025	Major	$4.27	$20,803	93
1167	E WITCHWOOD LN	OAK TER	NEWMAN CT	E	39	2025	Major	$4.46	$63,006	93
1101	E WOODLAND RD	EVANSTON AVE	MOFFETT RD	E	43	2025	Major	$3.69	$112,792	93
1100	E WOODLAND RD	OAK AVE	EVANSTON AVE	E	45	2025	Major	$3.30	$46,577	93
1349	N BIRCH AVE	MEADOW CIR	DS@248N MEADOW CIR	E	94	2025	Global	$0.37	$2,302	87
1084	THORNVALLEY RD	GREEN BAY RD	WEST END	E	63	2025	Major	$2.22	$52,147	93
1348	W SANCTUARY LN	N ENVIRON CIR	N ENVIRON CIR	E	36	2025	Major	$5.04	$32,216	93
1347	W SANCTUARY LN	N ENVIRON CIR	W SANCTUARY CT	E	39	2025	Major	$4.46	$69,199	93
1063	ARBOR DR	ARBOR CT	ARBOR DR (S CIR)	E	34	2026	Major	$5.25	$260,456	96
1064	ARBOR DR N CIR	ARBOR DR (S CIR)	ARBOR DR (S CIR)	E	34	2026	Major	$5.25	$30,350	96
1398	ATKINSON RD	N BIRCH AVE	ADELPHIA AVE	E	97	2026	Global	$0.38	$6,553	90
1337	ATKINSON RD	W SANCTUARY LN	DS@328W W SANCTUARY LN	E	29	2026	Major	$5.25	$70,540	96
1879	BATH AND TENNIS CLUB RD	WIMBLEDON CT	FOREST HILLS RD	E	33	2026	Major	$5.25	$53,865	96
1685	BELLE FORET DR	DS@346W BELLE FORET DR (N CIR)	DS@615W BELLE FORET DR (N CIR)	E	34	2026	Major	$5.25	$29,742	96
1861	BIRKDALE RD	GREEN BAY RD	SUNSET TER	E	32	2026	Major	$5.25	$98,367	96
1335	BUTTERFLY CT	W SANCTUARY LN	NORTH END	E	33	2026	Major	$5.25	$75,103	96
1127	EVANSTON AVE	E PROSPECT AVE	E CENTER AVE	C	69	2026	Major	$2.44	$17,591	93
1483	GLEN AVE	E PROSPECT AVE	E CENTER AVE	E	99	2026	Global	$0.38	$2,265	91
1125	GURNEY AVE	E CENTER AVE	E SCRANTON AVE	E	31	2026	Major	$5.25	$34,830	96
1163	LAKELAND DR	MOFFETT RD	EAST END	E	30	2026	Major	$5.25	$245,355	96
1263	MAPLE AVE	E CENTER AVE	E CENTER AVE	E	64	2026	Major	$2.38	$1,457	96
1096	MAWMAN AVE	W SHERIDAN PL	W CENTER AVE	E	28	2026	Major	$5.25	$110,206	96
1855	MAWMAN AVE	MAIN ST	NORTH END	E	66	2026	Major	$2.28	$14,683	96

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Appendix C - $1.74M/Year Rehabilitation Plans by Segment

GISID / Section ID	Branch Name	From	To	Section Rank	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
					Eliminate Backlog in 5 Years					
1290	MOFFETT RD	SYLVAN RD	RAVINE AVE	C	69	2026	Major	$2.44	$10,297	93
1858	PINE CT	W SHERIDAN PL	W CENTER AVE	E	34	2026	Major	$5.25	$104,756	96
1462	RAVINE AVE	WEST END	EVANSTON AVE	E	33	2026	Major	$5.25	$34,620	96
1852	ROCKLAND AVE	W WASHINGTON AVE	MAIN ST	E	97	2026	Global	$0.38	$2,302	90
1869	SHERWOOD TER	SHERWOOD DR	W NORTH SHORE DR	E	29	2026	Major	$5.25	$154,687	96
1267	SUNRISE AVE	E CENTER AVE	E CENTER AVE	E	64	2026	Major	$2.38	$2,380	96
1265	SUNRISE AVE	E SCRANTON AVE	MOUNTAIN RD	E	33	2026	Major	$5.25	$29,742	96
1253	SUNSET TER	W PROSPECT AVE	BIRKDALE RD	E	30	2026	Major	$5.25	$41,890	96
1292	VINCENT CT	E WITCHWOOD LN	E SHERIDAN PL	E	33	2026	Major	$5.25	$80,963	96
1241	WIMBLEDON CT W CIR	WIMBLEDON CT	WEST END	E	96	2026	Global	$0.38	$1,214	89
1878b	WIMBLEDON RD	465' N	BATH AND TENNIS CLUB RD	E	32	2026	Major	$5.25	$40,416	96
1406	E NORTH AVE	OAK AVE	EVANSTON AVE	E	65	2026	Major	$2.33	$16,241	96
1181	E WITCHWOOD LN	SHERIDAN RD	CIRCLE DR	E	99	2026	Global	$0.38	$4,474	91
1165	E WITCHWOOD LN	CIRCLE DR	VINCENT CT	E	30	2026	Major	$5.25	$31,614	96
1066	N BIRCH AVE	ATKINSON RD	MEADOW CIR	E	99	2026	Global	$0.38	$2,151	91
1248	W CENTER AVE	ROCKLAND AVE	LINCOLN AVE	E	97	2026	Global	$0.38	$3,132	90
1859	W CENTER AVE	LINCOLN AVE	PINE CT	E	96	2026	Global	$0.38	$3,076	89
1857	W CENTER AVE	PINE CT	GREEN BAY RD	E	99	2026	Global	$0.38	$3,405	91
1580	W KOHL AVE	CAMPBELL CT	DOUGLAS TRCE	E	99	2026	Global	$0.38	$3,904	91
1863b	W PROSPECT AVE	500' W	SUNSET TER	E	34	2026	Major	$5.25	$41,313	96
1232	W SANCTUARY LN	SE END	BUTTERFLY CT	E	34	2026	Major	$5.25	$48,600	96
1295	W SANCTUARY LN	BUTTERFLY CT	N ENVIRON CIR	E	33	2026	Major	$5.25	$50,597	96
1789	W WITCHWOOD LN	SUNSET TER	JENSEN LN	E	97	2026	Global	$0.38	$1,010	90
1790	W WITCHWOOD LN	JENSEN LN	MACLAREN LN	E	99	2026	Global	$0.38	$5,494	91
1197	ALBRECHT DR	WAUKEGAN RD	CARRIAGE PARK LN	E	68	2027	Major	$2.40	$158,442	100
1061	ARBOR CT	ARBOR DR	NORTH END	E	11	2027	Major	$9.00	$106,390	100
2079	ATKINSON RD	ADELPHIA AVE	DS@649W ADELPHIA AVE	E	17	2027	Major	$8.52	$143,729	100
2034	ATKINSON RD	DS@649W ADELPHIA AVE	W SANCTUARY LN	E	28	2027	Major	$5.40	$101,561	100
1882	BATH AND TENNIS CLUB RD	FOREST HILLS RD	GREEN BAY RD	E	28	2027	Major	$5.40	$65,239	100
1684	BELLE FORET DR	BELLE FORET DR (N CIR)	DS@346W BELLE FORET DR (N CIR)	E	26	2027	Major	$5.91	$42,972	100
2014	KOHL AVE	RIVERS DR	DS@426W RIVERS DR	E	100	2027	Global	$0.39	$3,356	92
1873	LINCOLN AVE	PARK LN	W SHERIDAN PL	E	67	2027	Major	$2.45	$19,738	100
1089	LINCOLN AVE	HANCOCK AVE	W WASHINGTON AVE	E	68	2027	Major	$2.40	$28,516	100
1874	MAWMAN AVE	PARK LN	W SHERIDAN PL	E	24	2027	Major	$6.50	$59,323	100
1431	NORTHERN AVE	SAFFORD AVE	NORTH END	E	9	2027	Major	$9.00	$73,238	100

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Appendix C - $1.74M/Year Rehabilitation Plans by Segment

					Eliminate Backlog in 5 Years					
GISID / Section ID	Branch Name	From	To	Section Rank	Last Survey PCI	Rehab Fiscal Year	Rehab Category	Unit Cost ($)	Segment Total Cost ($)	5 Year Post Rehab PCI
1138	OAK AVE	E CENTER AVE	E SCRANTON AVE	E	23	2027	Major	$6.79	$70,608	100
1092	ROCKLAND AVE	W SCRANTON AVE	W WASHINGTON AVE	E	100	2027	Global	$0.39	$5,507	92
1227	SHERWOOD DR	SHERWOOD TER	N WAUKEGAN RD	E	27	2027	Major	$5.62	$256,725	100
1242	SUNSET TER	W WITCHWOOD LN	W HAWTHORNE CT	E	100	2027	Global	$0.39	$2,704	92
1250	THORNWOOD LN	GREEN BAY RD	SUNSET TER	E	28	2027	Major	$5.40	$101,745	100
2096	UNKNOWN2	E PROSPECT AVE	RAVINE AVE	E	19	2027	Major	$7.95	$60,495	100
2098	UNKNOWN4	E SHERIDAN PL	SOUTH END	E	8	2027	Major	$9.00	$19,791	100
2099	UNKNOWN5	E SHERIDAN PL	SOUTH END	E	68	2027	Major	$2.40	$12,844	100
1107	E SCRANTON AVE	EVANSTON AVE	GLEN AVE	E	28	2027	Major	$5.40	$94,257	100
1152	E SCRANTON AVE	DS@195E W SCRANTON AVE	E CENTER AVE	O	21	2027	Major	$7.37	$24,122	100
1255	E WASHINGTON AVE	WEST END	BIRCH RD	E	27	2027	Major	$5.62	$48,547	100
1166	E WITCHWOOD LN	VINCENT CT	OAK TER	E	26	2027	Major	$5.91	$42,156	100
1118	E WOODLAND RD	SHERIDAN RD	OAK AVE	E	29	2027	Major	$5.40	$56,843	100
1031	N BIRCH AVE	MEADOW CIR	MEADOW CIR	E	100	2027	Global	$0.39	$2,590	92
1086	W WASHINGTON AVE	ROCKLAND AVE	LINCOLN AVE	E	68	2027	Major	$2.40	$19,075	100

Appendix D
Localized Maintenance Plan

Lake Bluff, IL

Appendix D - Localized Maintenance Plan

Fiscal Year	BranchID	SectionID	Policy	Description	Severity	Distress Qty	Distress Unit	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
FY23	ALBRECHTDR	1197	Preventive	L & T CR	Medium	656	Ft	Crack Sealing - AC	656	Ft	$1.0	$656
FY23	ALBRECHTDR	1197	Preventive	EDGE CR	Medium	66	Ft	Crack Sealing - AC	66	Ft	$1.0	$66
FY23	ALBRECHTDR	1197	Preventive	ALLIGATOR CR	Medium	639	SqFt	Patching - AC Deep	745	SqFt	$4.3	$3,224
FY23	ARBORDR	1062	Preventive	L & T CR	Medium	160	Ft	Crack Sealing - AC	160	Ft	$1.0	$160
FY23	ARBORDR	1062	Preventive	EDGE CR	Medium	12	Ft	Crack Sealing - AC	12	Ft	$1.0	$12
FY23	ARBORDR	1062	Preventive	ALLIGATOR CR	Medium	115	SqFt	Patching - AC Deep	163	SqFt	$4.3	$703
FY23	ARMOURDR	1043	Preventive	L & T CR	Medium	892	Ft	Crack Sealing - AC	892	Ft	$1.0	$892
FY23	ARMOURDR	1043	Preventive	EDGE CR	Medium	8	Ft	Crack Sealing - AC	8	Ft	$1.0	$8
FY23	ARMOURDR	1042	Stopgap	POTHOLE	Medium	2	Count	Patching - AC Deep	14	SqFt	$4.3	$61
FY23	ARMOURDR	1040	Stopgap	POTHOLE	Medium	4	Count	Patching - AC Deep	26	SqFt	$4.3	$112
FY23	ARMOURDR	1045	Stopgap	POTHOLE	Medium	2	Count	Patching - AC Deep	14	SqFt	$4.3	$59
FY23	ARMOURDR	1046	Stopgap	POTHOLE	Medium	2	Count	Patching - AC Deep	13	SqFt	$4.3	$57
FY23	ARMOURDR	1038	Preventive	L & T CR	Medium	460	Ft	Crack Sealing - AC	460	Ft	$1.0	$460
FY23	ARMOURDR	1038	Preventive	EDGE CR	Medium	21	Ft	Crack Sealing - AC	21	Ft	$1.0	$21
FY23	ARMOURDR	1038	Preventive	POTHOLE	Low	2	Count	Patching - AC Deep	8	SqFt	$4.3	$31
FY23	ARMOURDR	1782	Preventive	L & T CR	Medium	1251	Ft	Crack Sealing - AC	1251	Ft	$1.0	$1,251
FY23	ARMOURDR	1782	Preventive	EDGE CR	Medium	18	Ft	Crack Sealing - AC	18	Ft	$1.0	$18
FY23	ARMOURDR	1783	Preventive	L & T CR	Medium	551	Ft	Crack Sealing - AC	551	Ft	$1.0	$551
FY23	ARMOURDR	1784	Preventive	L & T CR	Medium	888	Ft	Crack Sealing - AC	887	Ft	$1.0	$888
FY23	ARMOURDR	1784	Preventive	EDGE CR	Medium	7	Ft	Crack Sealing - AC	7	Ft	$1.0	$7
FY23	ASCOTCT	1053	Preventive	L & T CR	Medium	207	Ft	Crack Sealing - AC	207	Ft	$1.0	$207
FY23	ASCOTCT	1053	Preventive	EDGE CR	Medium	21	Ft	Crack Sealing - AC	21	Ft	$1.0	$21
FY23	ASHINGTONC	1785	Preventive	L & T CR	Medium	310	Ft	Crack Sealing - AC	310	Ft	$1.0	$310
FY23	ASHINGTONC	1785	Preventive	EDGE CR	Medium	53	Ft	Crack Sealing - AC	53	Ft	$1.0	$53
FY23	ATKINSONRD	1398	Preventive	L & T CR	Medium	17	Ft	Crack Sealing - AC	17	Ft	$1.0	$17
FY23	ATKINSONRD	2079	Stopgap	POTHOLE	Medium	3	Count	Patching - AC Deep	15	SqFt	$4.3	$66
FY23	BIRCHRD	1259	Preventive	L & T CR	Medium	46	Ft	Crack Sealing - AC	46	Ft	$1.0	$46
FY23	BIRKDALERD	1861	Stopgap	POTHOLE	Medium	4	Count	Patching - AC Deep	25	SqFt	$4.3	$107
FY23	BLUFFRD	1258	Preventive	L & T CR	Medium	52	Ft	Crack Sealing - AC	52	Ft	$1.0	$52
FY23	BRIARLN	1291	Preventive	L & T CR	Medium	44	Ft	Crack Sealing - AC	44	Ft	$1.0	$44
FY23	BRIARLN	1291	Preventive	EDGE CR	Medium	12	Ft	Crack Sealing - AC	12	Ft	$1.0	$12
FY23	BRIERFIELD	1779	Preventive	L & T CR	Medium	257	Ft	Crack Sealing - AC	257	Ft	$1.0	$257
FY23	BRIERFIELD	1779	Preventive	EDGE CR	Medium	20	Ft	Crack Sealing - AC	20	Ft	$1.0	$20
FY23	BRIERFIELD	1779	Preventive	ALLIGATOR CR	Medium	207	SqFt	Patching - AC Deep	269	SqFt	$4.3	$1,165
FY23	BRIERFIELD	1781	Preventive	L & T CR	Medium	115	Ft	Crack Sealing - AC	115	Ft	$1.0	$115
FY23	BRISTOLCT	1054	Preventive	L & T CR	Medium	125	Ft	Crack Sealing - AC	125	Ft	$1.0	$125

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Appendix D - Localized Maintenance Plan

Fiscal Year	BranchID	SectionID	Policy	Description	Severity	Distress Qty	Distress Unit	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
FY23	BRISTOLCT	1054	Preventive	EDGE CR	Medium	12	Ft	Crack Sealing - AC	12	Ft	$1.0	$12
FY23	BUCKMINSTE	1055	Preventive	L & T CR	Medium	27	Ft	Crack Sealing - AC	27	Ft	$1.0	$27
FY23	BUCKMINSTE	1055	Preventive	EDGE CR	Medium	8	Ft	Crack Sealing - AC	8	Ft	$1.0	$8
FY23	CAMBRIDGER	1339	Preventive	L & T CR	Medium	430	Ft	Crack Sealing - AC	430	Ft	$1.0	$430
FY23	CAMBRIDGER	1339	Preventive	EDGE CR	Medium	152	Ft	Crack Sealing - AC	152	Ft	$1.0	$152
FY23	CAMBRIDGER	1339	Preventive	ALLIGATOR CR	Medium	224	SqFt	Patching - AC Deep	288	SqFt	$4.3	$1,248
FY23	CARLYLECIR	1052	Preventive	L & T CR	Medium	235	Ft	Crack Sealing - AC	235	Ft	$1.0	$235
FY23	CARLYLECIR	1052	Preventive	EDGE CR	Medium	11	Ft	Crack Sealing - AC	11	Ft	$1.0	$11
FY23	CARRIAGELN	1196	Preventive	L & T CR	Medium	190	Ft	Crack Sealing - AC	190	Ft	$1.0	$190
FY23	CARRIAGELN	1196	Preventive	EDGE CR	Medium	114	Ft	Crack Sealing - AC	115	Ft	$1.0	$114
FY23	CLAYCT	1985	Preventive	L & T CR	Medium	87	Ft	Crack Sealing - AC	87	Ft	$1.0	$87
FY23	CLAYCT	1985	Preventive	ALLIGATOR CR	Medium	81	SqFt	Patching - AC Deep	121	SqFt	$4.3	$523
FY23	COVENTRYCT	1051	Preventive	L & T CR	Medium	98	Ft	Crack Sealing - AC	98	Ft	$1.0	$98
FY23	COVENTRYCT	1051	Preventive	ALLIGATOR CR	Medium	84	SqFt	Patching - AC Deep	125	SqFt	$4.3	$542
FY23	CRESCENTDR	1884	Preventive	L & T CR	Medium	58	Ft	Crack Sealing - AC	58	Ft	$1.0	$58
FY23	CRESCENTDR	1884	Preventive	EDGE CR	Medium	12	Ft	Crack Sealing - AC	12	Ft	$1.0	$12
FY23	EBLODGETTA	1117	Preventive	L & T CR	Medium	160	Ft	Crack Sealing - AC	160	Ft	$1.0	$160
FY23	EBLODGETTA	1120	Preventive	L & T CR	Medium	237	Ft	Crack Sealing - AC	238	Ft	$1.0	$237
FY23	EBLODGETTA	1798	Preventive	L & T CR	Medium	236	Ft	Crack Sealing - AC	236	Ft	$1.0	$236
FY23	EBLODGETTA	1799	Preventive	L & T CR	Medium	30	Ft	Crack Sealing - AC	31	Ft	$1.0	$30
FY23	EBLODGETTA	1099	Preventive	L & T CR	Medium	64	Ft	Crack Sealing - AC	64	Ft	$1.0	$64
FY23	EBLODGETTA	1257	Preventive	L & T CR	Medium	118	Ft	Crack Sealing - AC	118	Ft	$1.0	$118
FY23	ECENTERAVE	1479	Preventive	L & T CR	Medium	223	Ft	Crack Sealing - AC	223	Ft	$1.0	$223
FY23	ECENTERAVE	1114	Preventive	L & T CR	Medium	184	Ft	Crack Sealing - AC	184	Ft	$1.0	$184
FY23	ECENTERAVE	1115	Preventive	L & T CR	Medium	78	Ft	Crack Sealing - AC	78	Ft	$1.0	$78
FY23	ECENTERAVE	1274	Preventive	L & T CR	Medium	312	Ft	Crack Sealing - AC	312	Ft	$1.0	$312
FY23	ECENTERAVE	1274	Preventive	ALLIGATOR CR	Medium	46	SqFt	Patching - AC Deep	78	SqFt	$4.3	$336
FY23	ECENTERAVE	1274	Preventive	RUTTING	Medium	20	SqFt	Patching - AC Shallow	20	SqFt	$3.3	$67
FY23	ECENTERAVE	1471	Stopgap	PATCH/UT CUT	High	200	SqFt	Patching - AC Shallow	262	SqFt	$3.3	$869
FY23	ECENTERAVE	1273	Preventive	L & T CR	Medium	333	Ft	Crack Sealing - AC	333	Ft	$1.0	$333
FY23	ECENTERAVE	1273	Preventive	EDGE CR	Medium	8	Ft	Crack Sealing - AC	9	Ft	$1.0	$8
FY23	ENORTHAVE	1405	Preventive	L & T CR	Medium	217	Ft	Crack Sealing - AC	217	Ft	$1.0	$217
FY23	ENORTHAVE	1405	Preventive	EDGE CR	Medium	58	Ft	Crack Sealing - AC	58	Ft	$1.0	$58
FY23	ENORTHAVE	1405	Preventive	ALLIGATOR CR	Medium	69	SqFt	Patching - AC Deep	107	SqFt	$4.3	$461
FY23	ENORTHAVE	1406	Preventive	L & T CR	Medium	252	Ft	Crack Sealing - AC	252	Ft	$1.0	$252
FY23	ENORTHAVE	1406	Preventive	EDGE CR	Medium	100	Ft	Crack Sealing - AC	100	Ft	$1.0	$100

Lake Bluff, IL

Appendix D - Localized Maintenance Plan

Fiscal Year	BranchID	SectionID	Policy	Description	Severity	Distress Qty	Distress Unit	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
FY23	ENORTHAVE	1104	Preventive	L & T CR	Medium	375	Ft	Crack Sealing - AC	375	Ft	$1.0	$375
FY23	ENORTHAVE	1104	Preventive	EDGE CR	Medium	145	Ft	Crack Sealing - AC	145	Ft	$1.0	$145
FY23	ENORTHAVE	1106	Preventive	L & T CR	Medium	864	Ft	Crack Sealing - AC	864	Ft	$1.0	$864
FY23	ENORTHAVE	1106	Preventive	EDGE CR	Medium	32	Ft	Crack Sealing - AC	32	Ft	$1.0	$32
FY23	ENORTHAVE	1106	Preventive	POTHOLE	Medium	4	Count	Patching - AC Deep	26	SqFt	$4.3	$114
FY23	ENORTHAVE	1106	Preventive	RUTTING	Medium	51	SqFt	Patching - AC Shallow	51	SqFt	$3.3	$170
FY23	EPROSPECTA	1482	Preventive	L & T CR	Medium	402	Ft	Crack Sealing - AC	402	Ft	$1.0	$402
FY23	EPROSPECTA	1482	Preventive	RUTTING	Medium	19	SqFt	Patching - AC Shallow	19	SqFt	$3.3	$65
FY23	EPROSPECTA	1481	Preventive	L & T CR	Medium	45	Ft	Crack Sealing - AC	46	Ft	$1.0	$45
FY23	EPROSPECTA	1481	Preventive	EDGE CR	Medium	20	Ft	Crack Sealing - AC	20	Ft	$1.0	$20
FY23	EPROSPECTA	1116	Preventive	L & T CR	Medium	34	Ft	Crack Sealing - AC	34	Ft	$1.0	$34
FY23	EPROSPECTA	1407	Preventive	L & T CR	Medium	54	Ft	Crack Sealing - AC	53	Ft	$1.0	$54
FY23	EPROSPECTA	1407	Preventive	EDGE CR	Medium	14	Ft	Crack Sealing - AC	14	Ft	$1.0	$14
FY23	EPROSPECTA	1408	Preventive	L & T CR	Medium	272	Ft	Crack Sealing - AC	272	Ft	$1.0	$272
FY23	EPROSPECTA	1408	Preventive	ALLIGATOR CR	Medium	55	SqFt	Patching - AC Deep	88	SqFt	$4.3	$383
FY23	EPROSPECTA	1269	Stopgap	POTHOLE	Medium	4	Count	Patching - AC Deep	25	SqFt	$4.3	$109
FY23	EPROSPECTA	1270	Preventive	L & T CR	Medium	73	Ft	Crack Sealing - AC	73	Ft	$1.0	$73
FY23	EPROSPECTA	1270	Preventive	EDGE CR	Medium	2	Ft	Crack Sealing - AC	3	Ft	$1.0	$2
FY23	ESCRANTONA	1108	Preventive	L & T CR	Medium	286	Ft	Crack Sealing - AC	286	Ft	$1.0	$286
FY23	ESCRANTONA	1109	Preventive	L & T CR	Medium	45	Ft	Crack Sealing - AC	45	Ft	$1.0	$45
FY23	ESCRANTONA	1110	Preventive	L & T CR	Medium	62	Ft	Crack Sealing - AC	62	Ft	$1.0	$62
FY23	ESCRANTONA	1111	Preventive	L & T CR	Medium	55	Ft	Crack Sealing - AC	55	Ft	$1.0	$55
FY23	ESCRANTONA	1111	Preventive	EDGE CR	Medium	13	Ft	Crack Sealing - AC	13	Ft	$1.0	$13
FY23	ESCRANTONA	1112	Preventive	L & T CR	Medium	14	Ft	Crack Sealing - AC	14	Ft	$1.0	$14
FY23	ESCRANTONA	1272	Preventive	L & T CR	Medium	74	Ft	Crack Sealing - AC	74	Ft	$1.0	$74
FY23	ESCRANTONA	1272	Preventive	EDGE CR	Medium	8	Ft	Crack Sealing - AC	8	Ft	$1.0	$8
FY23	ESHERIDANP	1279	Preventive	L & T CR	Medium	2	Ft	Crack Sealing - AC	2	Ft	$1.0	$2
FY23	ESHERIDANP	1280	Preventive	L & T CR	Medium	66	Ft	Crack Sealing - AC	66	Ft	$1.0	$66
FY23	ESHERIDANP	1281	Preventive	L & T CR	Medium	9	Ft	Crack Sealing - AC	9	Ft	$1.0	$9
FY23	ESHERIDANP	1282	Preventive	L & T CR	Medium	8	Ft	Crack Sealing - AC	8	Ft	$1.0	$8

Lake Bluff, IL

Appendix D - Localized Maintenance Plan

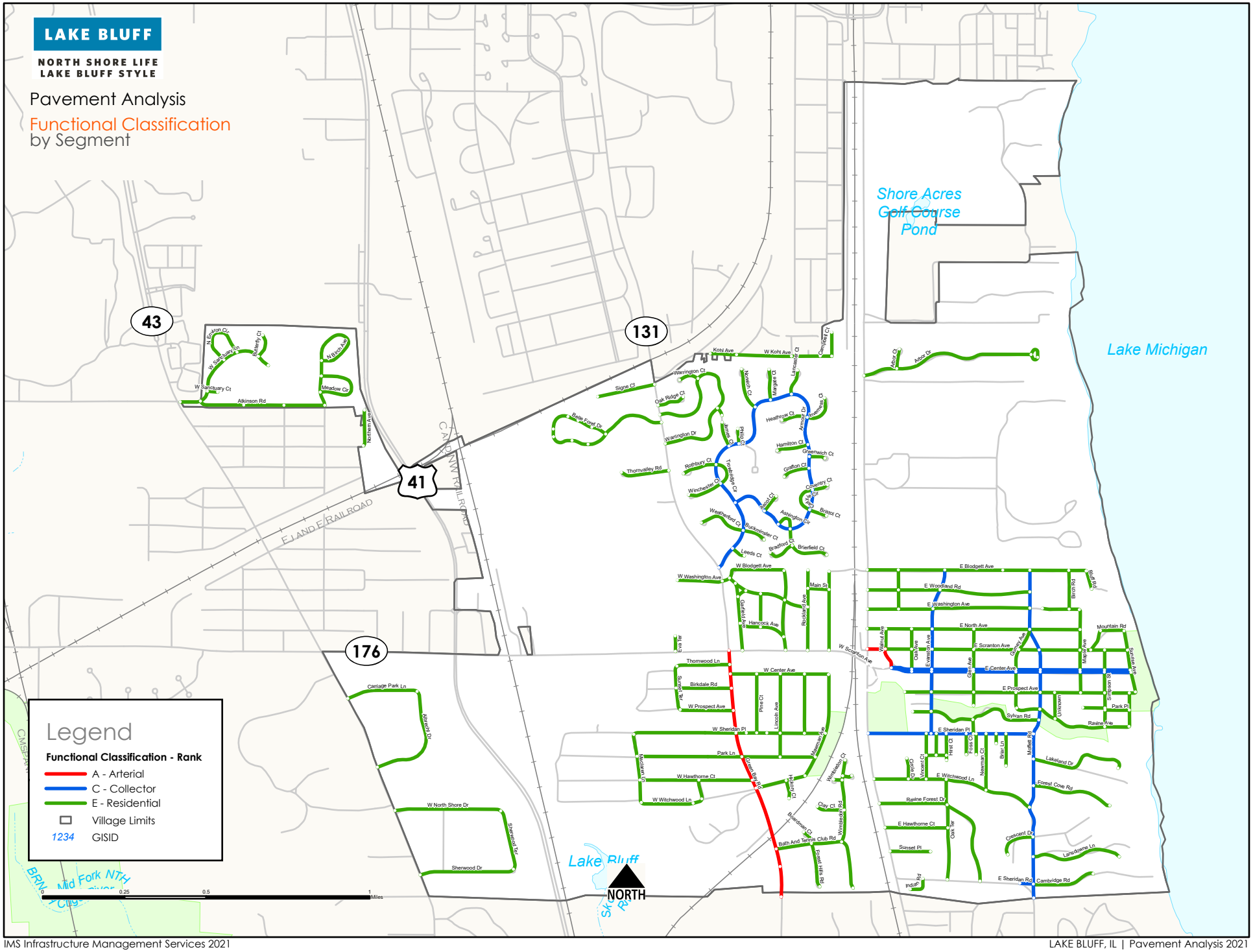
Fiscal Year	BranchID	SectionID	Policy	Description	Severity	Distress Qty	Distress Unit	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
FY23	ESHERIDANP	1283	Preventive	L & T CR	Medium	4	Ft	Crack Sealing - AC	4	Ft	$1.0	$4
FY23	ESHERIDANP	1284	Preventive	L & T CR	Medium	72	Ft	Crack Sealing - AC	73	Ft	$1.0	$72
FY23	ESHERIDANP	1284	Preventive	EDGE CR	Medium	6	Ft	Crack Sealing - AC	6	Ft	$1.0	$6
FY23	ESHERIDANP	1285	Stopgap	POTHOLE	Medium	4	Count	Patching - AC Deep	22	SqFt	$4.3	$93
FY23	ESHERIDANP	1889	Preventive	L & T CR	Medium	19	Ft	Crack Sealing - AC	19	Ft	$1.0	$19
FY23	ESHERIDANP	1889	Preventive	EDGE CR	Medium	5	Ft	Crack Sealing - AC	5	Ft	$1.0	$5
FY23	EWASHINGTO	1473	Preventive	L & T CR	Medium	18	Ft	Crack Sealing - AC	17	Ft	$1.0	$18
FY23	EWASHINGTO	1255	Stopgap	POTHOLE	Medium	4	Count	Patching - AC Deep	22	SqFt	$4.3	$93
FY23	EWITCHWOOD	1181	Preventive	L & T CR	Medium	12	Ft	Crack Sealing - AC	12	Ft	$1.0	$12
FY23	EWITCHWOOD	1167	Stopgap	POTHOLE	Medium	2	Count	Patching - AC Deep	13	SqFt	$4.3	$54
FY23	EVATER	1254	Preventive	L & T CR	Medium	23	Ft	Crack Sealing - AC	23	Ft	$1.0	$23
FY23	EVANSTONAV	1127	Preventive	L & T CR	Medium	133	Ft	Crack Sealing - AC	133	Ft	$1.0	$133
FY23	EVANSTONAV	1127	Preventive	EDGE CR	Medium	83	Ft	Crack Sealing - AC	83	Ft	$1.0	$83
FY23	EVANSTONAV	1126	Preventive	L & T CR	Medium	37	Ft	Crack Sealing - AC	37	Ft	$1.0	$37
FY23	EVANSTONAV	1124	Preventive	L & T CR	Medium	152	Ft	Crack Sealing - AC	152	Ft	$1.0	$152
FY23	EVANSTONAV	1124	Preventive	EDGE CR	Medium	17	Ft	Crack Sealing - AC	16	Ft	$1.0	$16
FY23	EVANSTONAV	1122	Preventive	L & T CR	Medium	287	Ft	Crack Sealing - AC	287	Ft	$1.0	$287
FY23	EVANSTONAV	1122	Preventive	EDGE CR	Medium	7	Ft	Crack Sealing - AC	7	Ft	$1.0	$7
FY23	EVANSTONAV	1121	Preventive	L & T CR	Medium	42	Ft	Crack Sealing - AC	42	Ft	$1.0	$42
FY23	EVANSTONAV	1149	Preventive	L & T CR	Medium	86	Ft	Crack Sealing - AC	86	Ft	$1.0	$86
FY23	EVANSTONAV	1148	Preventive	L & T CR	Medium	93	Ft	Crack Sealing - AC	93	Ft	$1.0	$93
FY23	FOSSCT	1004	Preventive	L & T CR	Medium	15	Ft	Crack Sealing - AC	15	Ft	$1.0	$15
FY23	FOSSCT	1004	Preventive	RUTTING	Medium	29	SqFt	Patching - AC Shallow	29	SqFt	$3.3	$95
FY23	GARFIELDAV	1093	Preventive	L & T CR	Medium	141	Ft	Crack Sealing - AC	141	Ft	$1.0	$141
FY23	GARFIELDAV	1093	Preventive	EDGE CR	Medium	9	Ft	Crack Sealing - AC	9	Ft	$1.0	$9
FY23	GARFIELDAV	1200	Preventive	L & T CR	Medium	37	Ft	Crack Sealing - AC	37	Ft	$1.0	$37
FY23	GARFIELDAV	1200	Preventive	EDGE CR	Medium	9	Ft	Crack Sealing - AC	9	Ft	$1.0	$9
FY23	GARFIELDAV	1201	Preventive	L & T CR	Medium	35	Ft	Crack Sealing - AC	35	Ft	$1.0	$35
FY23	GLENAVE	1288	Preventive	L & T CR	Medium	5	Ft	Crack Sealing - AC	5	Ft	$1.0	$5
FY23	GLENAVE	1288	Preventive	EDGE CR	Medium	5	Ft	Crack Sealing - AC	5	Ft	$1.0	$5
FY23	GRAFTONCT	1050	Preventive	L & T CR	Medium	278	Ft	Crack Sealing - AC	278	Ft	$1.0	$278
FY23	GRAFTONCT	1050	Preventive	ALLIGATOR CR	Medium	168	SqFt	Patching - AC Deep	225	SqFt	$4.3	$973
FY23	GRAFTONCT	1050	Preventive	POTHOLE	Low	2	Count	Patching - AC Deep	5	SqFt	$4.3	$25
FY23	GREENBAYRD	1235	Preventive	L & T CR	Medium	521	Ft	Crack Sealing - AC	521	Ft	$1.0	$521
FY23	GREENBAYRD	1235	Preventive	EDGE CR	Medium	90	Ft	Crack Sealing - AC	90	Ft	$1.0	$90
FY23	GREENWICHC	1049	Preventive	L & T CR	Medium	6	Ft	Crack Sealing - AC	6	Ft	$1.0	$6

Lake Bluff, IL

Appendix D - Localized Maintenance Plan

Fiscal Year	BranchID	SectionID	Policy	Description	Severity	Distress Qty	Distress Unit	Work Description	Work Qty	Work Unit	Unit Cost	Work Cost
FY23	GREENWICHC	1049	Preventive	EDGE CR	Medium	6	Ft	Crack Sealing - AC	6	Ft	$1.0	$6
FY23	GURNEYAVE	1153	Preventive	L & T CR	Medium	9	Ft	Crack Sealing - AC	9	Ft	$1.0	$9
FY23	HAMILTONCT	1048	Preventive	L & T CR	Medium	282	Ft	Crack Sealing - AC	282	Ft	$1.0	$282
FY23	HAMILTONCT	1048	Preventive	EDGE CR	Medium	31	Ft	Crack Sealing - AC	31	Ft	$1.0	$31
FY23	HANCOCKAVE	1090	Preventive	L & T CR	Medium	307	Ft	Crack Sealing - AC	307	Ft	$1.0	$307
FY23	HANCOCKAVE	1090	Preventive	EDGE CR	Medium	19	Ft	Crack Sealing - AC	18	Ft	$1.0	$19
FY23	HANCOCKAVE	1088	Preventive	L & T CR	Medium	11	Ft	Crack Sealing - AC	11	Ft	$1.0	$11
FY23	HIRSTCT	1006	Preventive	L & T CR	Medium	167	Ft	Crack Sealing - AC	167	Ft	$1.0	$167
FY23	HIRSTCT	1006	Preventive	ALLIGATOR CR	Medium	163	SqFt	Patching - AC Deep	219	SqFt	$4.3	$944
FY23	INVERNESSC	1060	Preventive	L & T CR	Medium	322	Ft	Crack Sealing - AC	322	Ft	$1.0	$322
FY23	INVERNESSC	1060	Preventive	POTHOLE	Low	2	Count	Patching - AC Deep	5	SqFt	$4.3	$22
FY23	JAMESCT	1840	Preventive	L & T CR	Medium	150	Ft	Crack Sealing - AC	150	Ft	$1.0	$150
FY23	JAMESCT	1072	Preventive	L & T CR	Medium	32	Ft	Crack Sealing - AC	32	Ft	$1.0	$32
FY23	KOHLAVE	2014	Preventive	L & T CR	Medium	9	Ft	Crack Sealing - AC	9	Ft	$1.0	$9
FY23	LANCASTERC	1057	Preventive	L & T CR	Medium	42	Ft	Crack Sealing - AC	42	Ft	$1.0	$42
FY23	LANSDOWNEL	1987	Stopgap	POTHOLE	Medium	3	Count	Patching - AC Deep	18	SqFt	$4.3	$82
FY23	LINCOLNAVE	1873	Preventive	L & T CR	Medium	285	Ft	Crack Sealing - AC	285	Ft	$1.0	$285
FY23	LINCOLNAVE	1873	Preventive	EDGE CR	Medium	52	Ft	Crack Sealing - AC	52	Ft	$1.0	$52
FY23	LINCOLNAVE	1097	Preventive	L & T CR	Medium	271	Ft	Crack Sealing - AC	271	Ft	$1.0	$271
FY23	LINCOLNAVE	1097	Preventive	EDGE CR	Medium	24	Ft	Crack Sealing - AC	24	Ft	$1.0	$24
FY23	LINCOLNAVE	1097	Preventive	ALLIGATOR CR	Medium	243	SqFt	Patching - AC Deep	309	SqFt	$4.3	$1,339
FY23	LINCOLNAVE	1089	Preventive	L & T CR	Medium	384	Ft	Crack Sealing - AC	384	Ft	$1.0	$384
FY23	LINCOLNAVE	1089	Preventive	EDGE CR	Medium	12	Ft	Crack Sealing - AC	12	Ft	$1.0	$12
FY23	LINCOLNAVE	1487	Preventive	L & T CR	Medium	292	Ft	Crack Sealing - AC	292	Ft	$1.0	$292
FY23	LINCOLNAVE	1487	Preventive	EDGE CR	Medium	10	Ft	Crack Sealing - AC	10	Ft	$1.0	$10
FY23	MACLARENLN	1243	Preventive	L & T CR	Medium	239	Ft	Crack Sealing - AC	239	Ft	$1.0	$239
FY23	MACLARENLN	1243	Preventive	EDGE CR	Medium	14	Ft	Crack Sealing - AC	14	Ft	$1.0	$14
FY23	MACLARENLN	1243	Preventive	ALLIGATOR CR	Medium	71	SqFt	Patching - AC Deep	110	SqFt	$4.3	$474
FY23	MAPLEAVE	1264	Preventive	L & T CR	Medium	36	Ft	Crack Sealing - AC	36	Ft	$1.0	$36
FY23	MAPLEAVE	1264	Preventive	EDGE CR	Medium	9	Ft	Crack Sealing - AC	9	Ft	$1.0	$9
FY23	MAPLEAVE	1263	Preventive	L & T CR	Medium	23	Ft	Crack Sealing - AC	23	Ft	$1.0	$23
FY23	MAPLEAVE	1262	Preventive	L & T CR	Medium	16	Ft	Crack Sealing - AC	16	Ft	$1.0	$16
FY23	MAPLEAVE	1261	Preventive	L & T CR	Medium	22	Ft	Crack Sealing - AC	22	Ft	$1.0	$22
FY23	MAPLEAVE	1260	Preventive	L & T CR	Medium	6	Ft	Crack Sealing - AC	7	Ft	$1.0	$6
FY23	MAPLEAVE	1260	Preventive	EDGE CR	Medium	6	Ft	Crack Sealing - AC	7	Ft	$1.0	$6

Appendix E
Full Size Maps

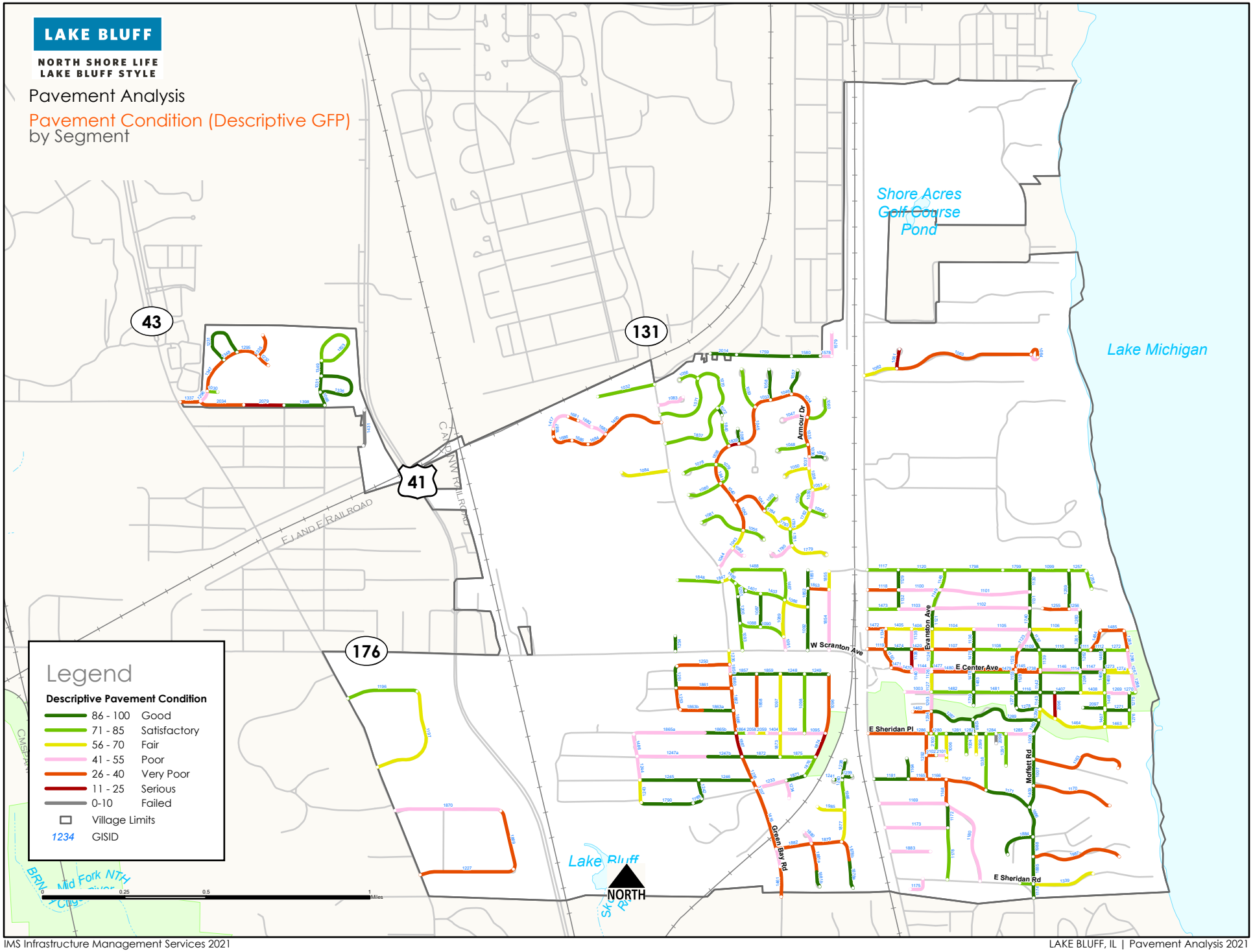

LAKE BLUFF
NORTH SHORE LIFE
LAKE BLUFF STYLE
Pavement Analysis
Functional Classification
by Segment
Shore Acres
Golf Course
Pond
Lake Michigan
Lake Bluff
43
131
41
176
E LAKE RAILROAD
CANADIAN NATIONAL RAILROAD
Legend
Functional Classification - Rank
A - Arterial
C - Collector
E - Residential
Village Limits
1234 GISID
0.25
0.5
1
Miles
NORTH

LAKE BLUFF

NORTH SHORE LIFE
LAKE BLUFF STYLE

Pavement Analysis

Pavement Condition (Descriptive GFP) by Segment

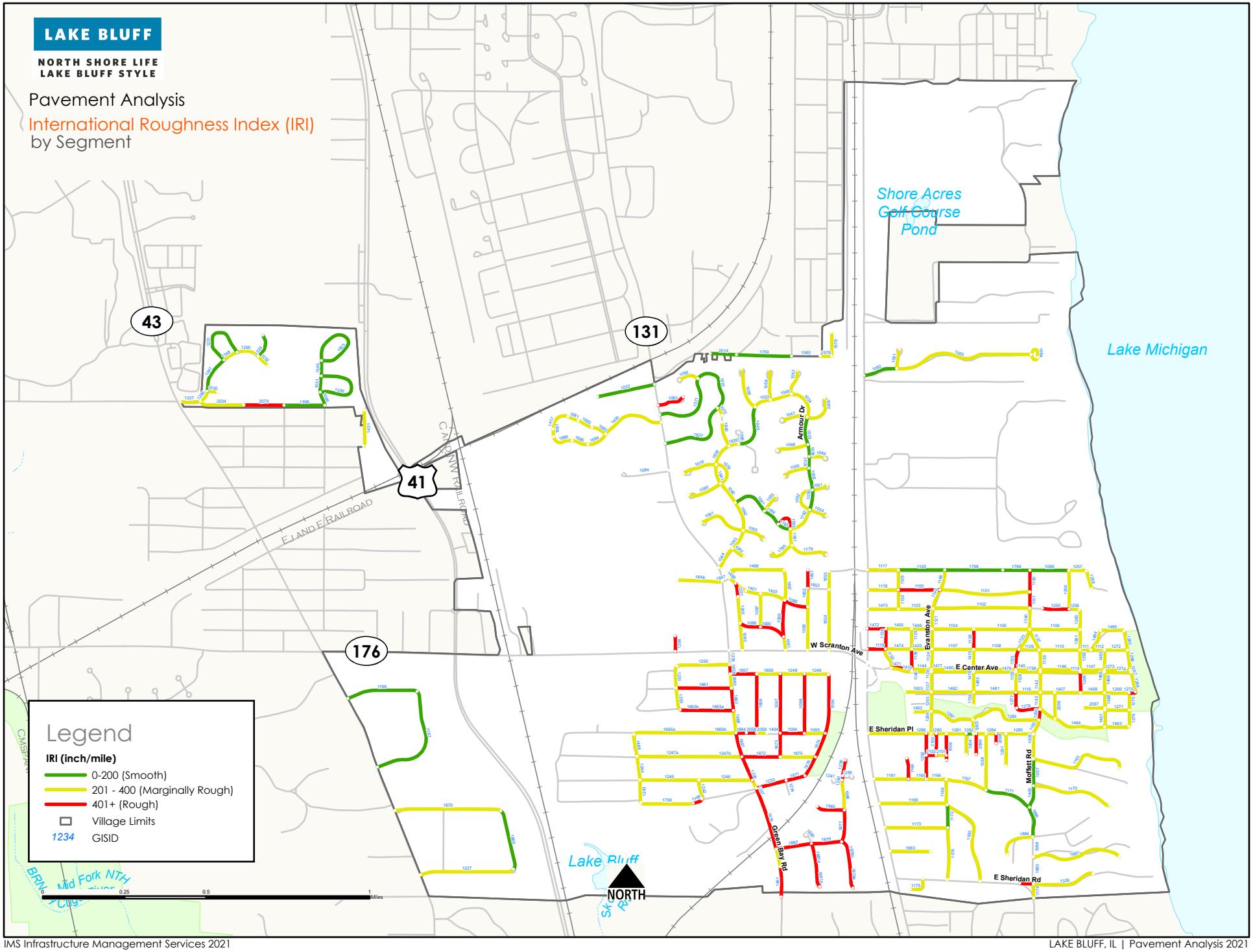


LAKE BLUFF

NORTH SHORE LIFE
LAKE BLUFF STYLE

Pavement Analysis

International Roughness Index (IRI) by Segment



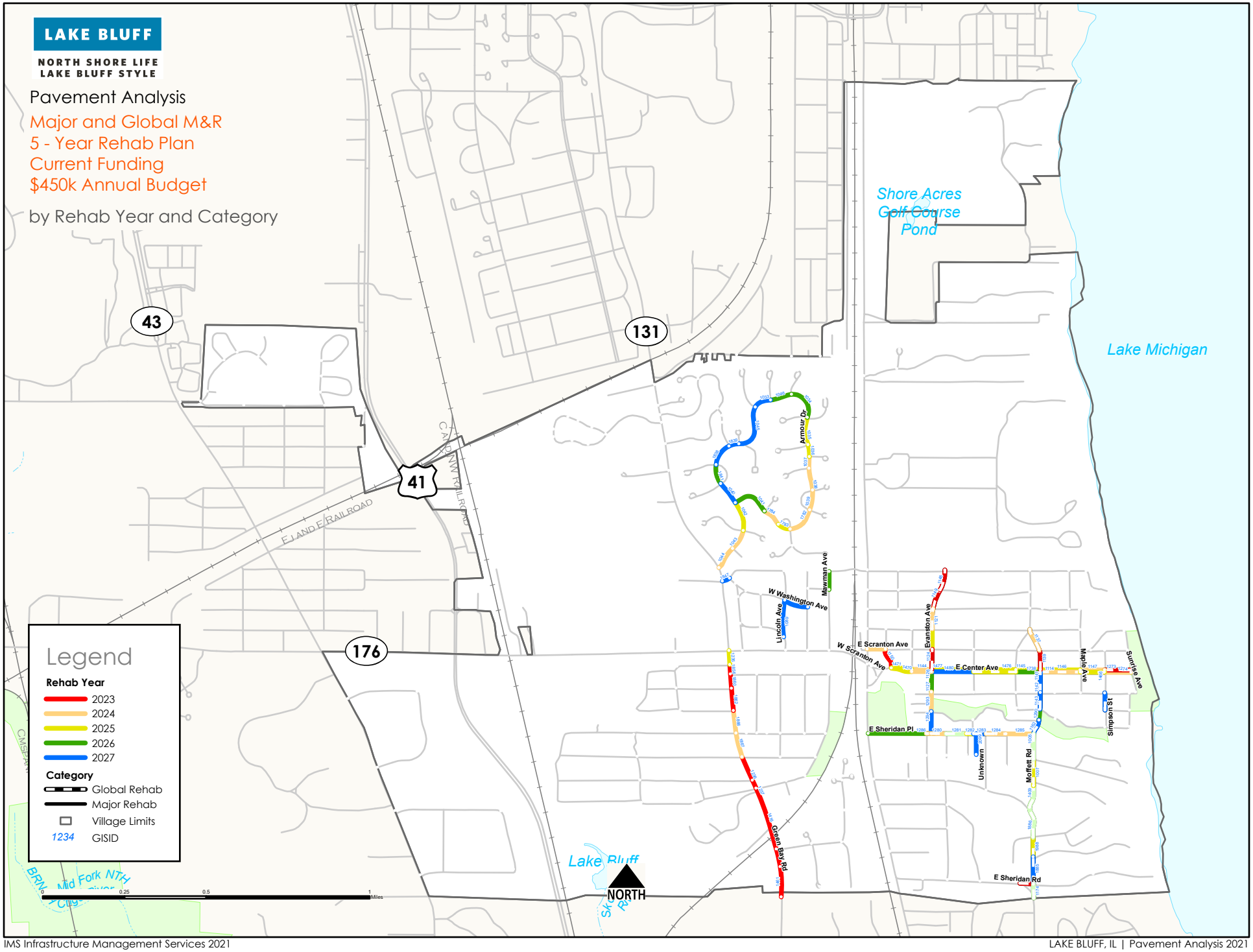
LAKE BLUFF

NORTH SHORE LIFE
LAKE BLUFF STYLE

Pavement Analysis

Major and Global M&R
5 - Year Rehab Plan
Current Funding
$450k Annual Budget

by Rehab Year and Category

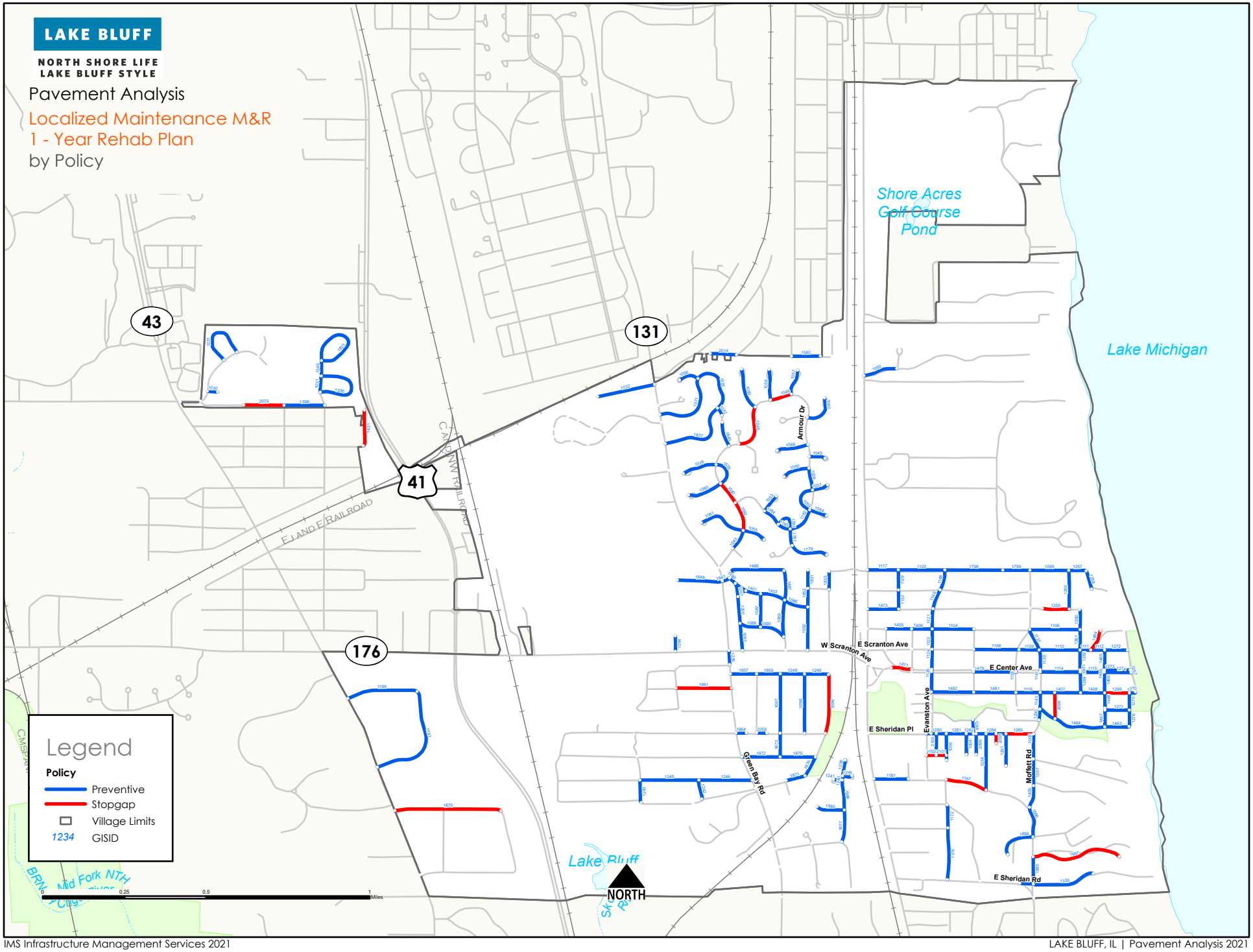


LAKE BLUFF

NORTH SHORE LIFE
LAKE BLUFF STYLE

Pavement Analysis

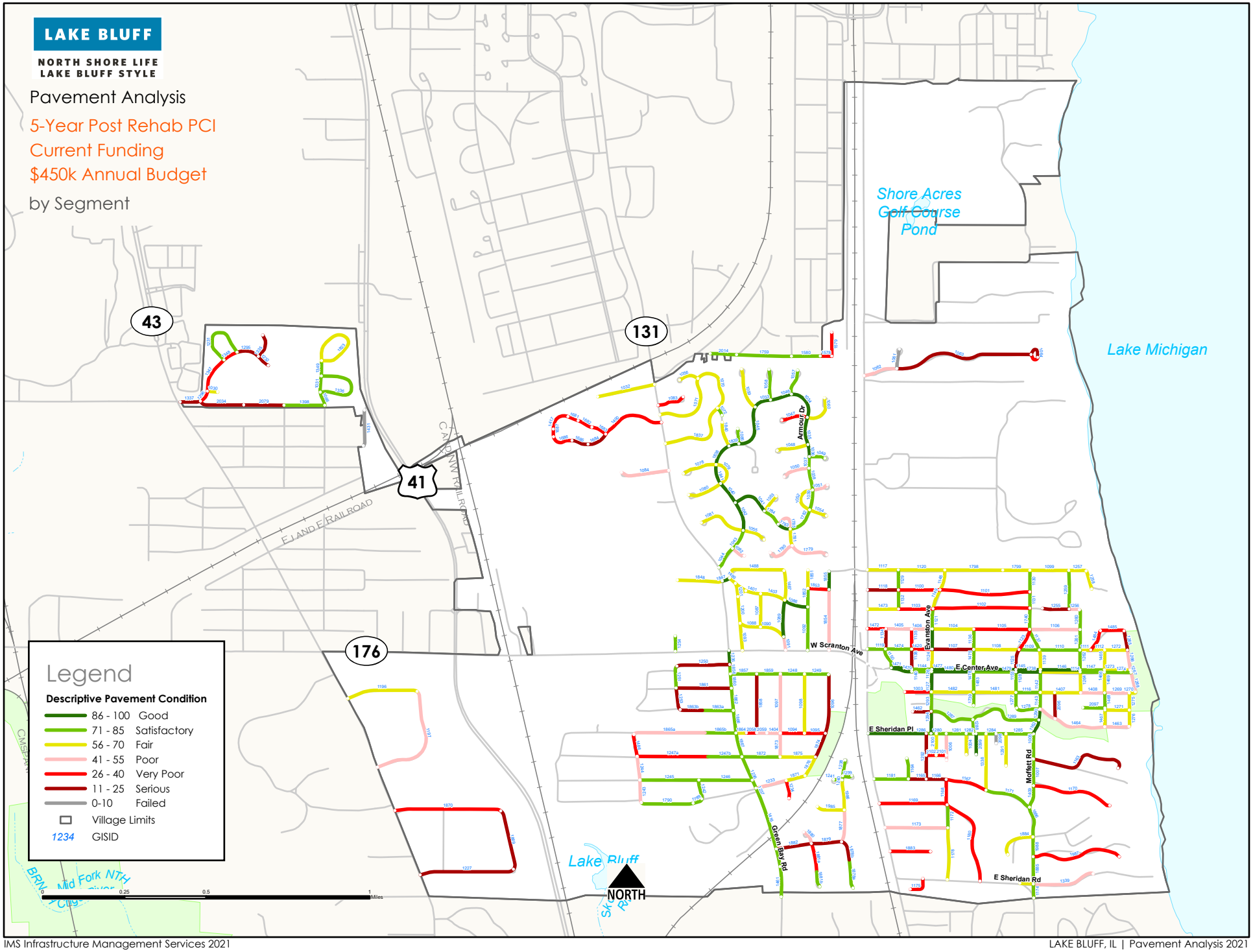
Localized Maintenance M&R
1 - Year Rehab Plan
by Policy



LAKE BLUFF

NORTH SHORE LIFE
LAKE BLUFF STYLE

Pavement Analysis

5-Year Post Rehab PCI
Current Funding
$450k Annual Budget

by Segment