Village of West Dundee

BAXTER & WOODMAN Consulting Engineers

2019 Pavement Management Report Update

Village of West Dundee

November 20, 2019

Village of West Dundee, Illinois
2019 Pavement Management Report Update

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EXECUTIVE SUMMARY

The Village of West Dundee has authorized this pavement management plan to assess the condition of the Village's streets and develop economical and workable street programs to maintain those streets over the next several years. In general, this report does not address streets maintained by the Illinois Department of Transportation, Kane County, developers, or private corporations. Photos were collected and evaluations were completed in August of 2019 for all the streets maintained by the Village of West Dundee.

The primary goal of a successful pavement management plan is to rehabilitate streets on a schedule that targets streets for repair before their condition rapidly declines and becomes far more expensive. This strategy is the most effective use of the Village's allocated budget regardless of the budget amount.

This study was completed using the Pavement Surface Evaluation and Rating (PASER) system (0-10), which is an objective analysis of the pavement condition of each Village Street. In general, a PASER rating of 6 or higher represents a pavement that requires little or no maintenance while a PASER rating of 1 represents a deteriorated pavement requiring complete reconstruction. The area-weighted average (PASER) rating of all Village streets is currently 4.6.

Pavement rehabilitation strategies and total repair costs have been developed for every street section maintained by the Village and entered into the pavement management database. The current cost to repair streets requiring maintenance within the thirty (30) miles of streets evaluated in this pavement management report is estimated at approximately $13.1 million (2020 dollars).

Considering the life cycle of a typical pavement is 15-20 years if regular maintenance is performed, our analysis determined that the Village will need to budget between $1.9 and $2.3 million per year on roadway maintenance in order to rehabilitate its streets on a 15-20 year cycle. While this sounds like an ambitious budget for the Village, these values highlight the point that the average condition of the Village streets are deteriorating each year, and reversing the trend will require a significant investment in the Village's street system. Based on discussions with Village staff, 3 separate 5-year plans were prepared with annual budgets of $500K, $1M, and $1.5M. The Village has chosen to implement the 5-year plan with an annual budget of $1M.

We recommend the Village make every effort to continue increase its annual budget for roadway maintenance, towards the goal of $2M. The Village should consider supplementing MFT funds with additional corporate funds or other sources to prevent further accelerated deterioration of Village streets. We strongly recommend the Village continue to seek federal funding for roadways that are eligible for federal funding when the need for maintenance occurs. These include Sleepy Hollow Rd, 1st St, Dunning Ave, Strom Dr, and Boncosky.

1. PURPOSE OF STUDY

The Village of West Dundee is committed to maintaining its streets in order to provide for safe passage of residents within and through the Village, provide adequate ride comfort and reduced vehicle maintenance costs to residents and the traveling public, and sustain property values. To fulfill this commitment, the Village plans to undertake annual street improvement programs over the next several years.

To continue progress in maintaining and improving its streets, the Village has determined that careful planning is needed to enable the Village to continue maximizing the effectiveness of monies spent for annual street maintenance and rehabilitation projects. The Village of West Dundee commissioned Baxter & Woodman, Inc. to reassess the condition of the Village's street network and produce a pavement management report with the objectives of:

- Developing a current inventory of street information in a database that is easy to access and update.
- Collecting photos and evaluating each street section maintained by the Village and assign a Pavement Surface Evaluation and Rating (PASER) value.
- Estimating the costs of improving each street maintained by the Village based on the pavement improvement strategies recommended for each street section.
- Analyzing the effectiveness of the Village's current roadway improvements annual budget and recommending an annual budget to effectively maintain Village streets.
- Developing a workable 5-Year Pavement Improvement Plan for the Village by selecting the highest priority street sections whose total estimated costs match the Village's projected road budget.

2. APPROACH

2.1 Pavement Surface Evaluation and Rating

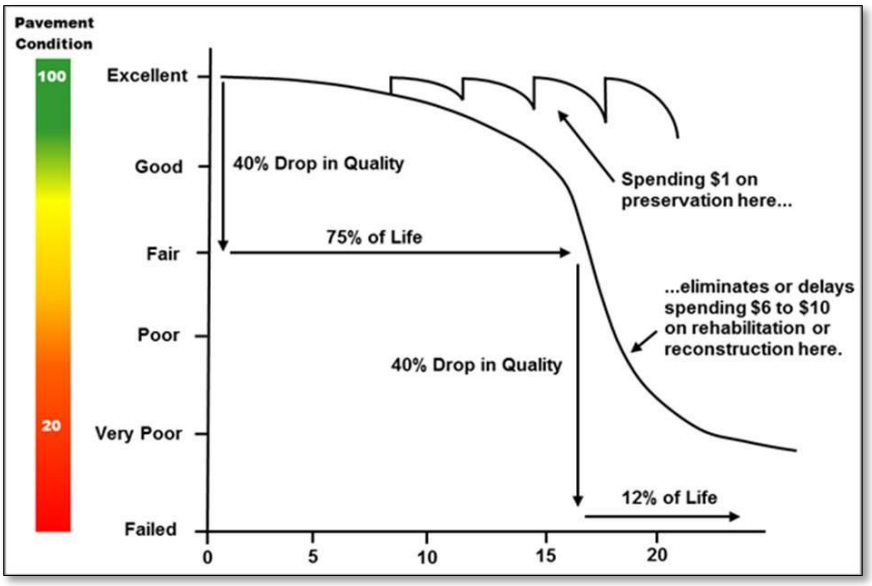
The Pavement Surface Evaluation and Rating (PASER) system is a numeral indicator from 1 to 10 that rates the surface condition of the pavement, based on the distresses observed on the surface of the pavement. A PASER of 10 denotes a distress free pavement, whereas 1 indicates a failed pavement. The PASER system was developed by the University of Wisconsin-Madison, is an approved pavement management process by the Illinois Department of Transportation (IDOT), and provides a rational basis for determining maintenance and repair needs and priorities. See Appendix 1 for detailed descriptions of the PASER rating system for Hot-Mix Asphalt (HMA).

2.2 Pavement Life Cycle

Most pavements tend to follow a generalized pavement condition life cycle as seen in Figure 1:

FIGURE 1

Pavement Life Cycle



If maintenance and repair is performed during the early stages of deterioration, before the sharp decline in pavement condition, a significant cost savings can be realized. Waiting to repair the road past this pivot point, near the "fair" condition, can also require long periods of closure or detours.

2.3 Methodology

The chosen methodology to develop this pavement management report included the following:

1. Utilize the existing street inventory database of all of the streets maintained by the Village from Village/County GIS data, updating as necessary, then transferring to Microsoft Excel.

2. Use a vehicle mounted automated camera system to collect several georeferenced photos of all street segments maintained by the Village.

3. Evaluate the streets in the Village's street network by visual inspection of representative images of each street section, identifying various distress types, and assign appropriate PASER value (1 – 10). Verify pavement type.

4. Develop pavement rehabilitation strategies for each street based on the rating of that street section, and estimate the current costs for rehabilitating each street.
   a. Recommended rehabilitation strategy for residential roads based on rating:
      - 10 - 9 Excellent - No maintenance required.
      - 8 - 7 Very Good – Minimal Maintenance - Crack Seal
      - 6 Good – Minimal Maintenance - Spot Patch, Crack Seal
      - 5 Fair –Minimal patching (5%) & Crack Seal
      - 4 Fair – Mill and Resurface w/ minor patching (10%) & curb repair (20%)
      - 3 Poor – Full-depth asphalt replacement w/ moderate curb repair (30%)
      - 2 - 1 Very Poor to Failed – Full-depth asphalt replacement w/ complete curb replacement

5. Analyze the effectiveness of the Village's current roadway improvements annual budget and recommend an annual budget to effectively maintain Village streets.

6. Develop a 5-Year Pavement Improvement Plan by prioritizing street sections with the highest cost to benefit ratio (streets in Fair condition) whose total estimated cost matches the Village's budget.

7. Meet with Village staff to discuss the results of the field survey, the recommended rehabilitation strategies, the existing street network, and a draft 5-Year Pavement Improvement Plan.

3. EXISTING CONDITIONS

3.1 Pavement Inventory Database

A base map of the West Dundee street centerlines derived from datasets from the Village and from Kane County GIS-Technologies Department was used in Arc View (Geographic Information System software) to create the street network database. This base map of the street network, made up of individual street segments (divided as street blocks), was used to obtain the locations and lengths of all the streets in the West Dundee street network. With the street network broken down by block, rehabilitation strategies were tailored to individual segments of each street instead of one "blanket" solution per roadway. This information was used to calculate square yard cost estimates for each street section, which typically provides a more accurate cost estimate than estimating costs by linear foot of roadway.

3.2 Pavement Evaluation

A vehicle mounted camera system was used to collect numerous photos for all street segments maintained by the Village. These photos are georeferenced and displayed in GIS software over the Village pavement network.

Pavement distresses quantities were observed for representative samples of each street section. The amount and types of pavement distresses (i.e. cracking, potholes, "alligator" cracking, rutting, etc.) and the levels of pavement deterioration were used to determine the PASER value.

3.3 Evaluation Results

Appendix 3 provides the entire street network database of all the streets maintained by the Village, sorted by condition. Appendix 4 provides the entire street network database sorted by street name in alphabetical order. These tables provide information such as pavement length, width, area, and total estimated cost (which includes construction and engineering costs) for repairs or maintenance in 2020.

The majority of the Village's street network (57.0%) is in low Fair condition or worse (PASER 1-4) as can be seen in Figure 2.

FIGURE 2

Percent Area in PASER Ranges

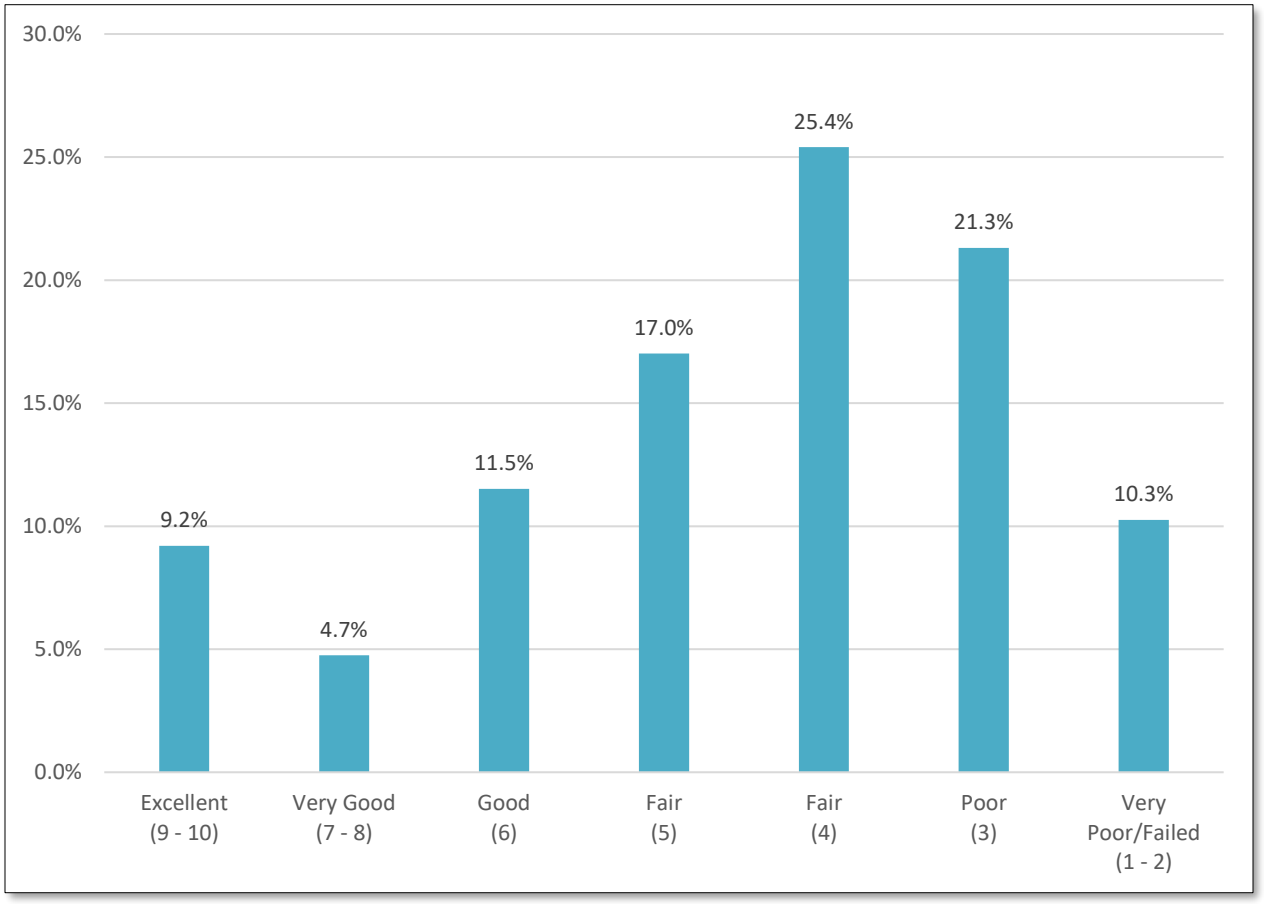


Exhibit 1, Pavement Surface Evaluation and Rating (PASER) Map, provides a graphical representation of the current street rating of the Village's street network database. Exhibit 2, Pavement Composition Map, provides graphical representation of pavement type of the Village's street network database.

4. PROPOSED IMPROVEMENTS

4.1 Recommended Rehabilitation Strategies

Rehabilitation strategies for each street, based on rating, were selected on overall effectiveness, expected life and individual benefits and costs. Each strategy consists of one or more rehabilitation techniques required to either maintain the pavement in its existing good condition or to improve pavements in poor or fair condition to good condition. In general, pavement will continue to degrade over time and consequently, the rehabilitation strategies proposed in this report may not be adequate if rehabilitation is postponed for too long a period of time. Less-costly strategies which are less effective than the recommended strategy can be completed but will have a far shorter life expectancy and would not be the most effective use of road funding.

We recommend the following pavement ratings with associated rehabilitation strategies:

- ***PASER 10 - 9: Excellent - No maintenance required*** ("Blue" color on Exhibit 1)

  This rating applies to newly constructed roads or roads that have been recently reconstructed or rehabilitated. It is recommended, however, that agencies implement some type of rehabilitation action on their pavements within 2-5 years of construction, usually crack filling, and the Village should anticipate maintenance work on these pavements in future years.

- ***PASER 8 - 7: Very Good – Minimal Maintenance - Crack Seal*** ("Dark Green" color in Exhibit 1)

  This strategy involves repairing localized areas of distress with crack sealing.

  Crack sealing limits the amount of moisture and incompressible materials that can infiltrate the structure of a pavement, which can prevent further deterioration of the crack edges. Crack sealing involves thorough crack preparation and the placement of quality materials into cracks. Crack sealing is not crack-filling, which simply places materials in unprepared cracks as a temporary cure. There are many different materials and methods available for crack sealing, but the most popular involves placing a thermoplastic sealant with a hand-held wand in prepared cracks (usually routed). Thermoplastic sealants are bituminous materials that soften upon heating and harden upon cooling. Rubber-modified asphalt has become an industry standard for crack sealing in the past 20 years. Crack sealing should be performed as soon as possible after a pavement begins to crack to obstruct further crack growth.

- ***PASER 5-6: Fair/Good – Minimal Maintenance - Spot Patch, Crack Seal*** ("Yellow"/"Bright Green" color in Exhibit 1)

  This strategy involves repairing localized areas of distress with surface and base course patches, followed by crack sealing,

Pavements that have been selected for patching and crack sealing have only small localized areas of needed repair; and replacement of the entire pavement would not be cost-effective. Localized areas of structural failure, such as "alligator" cracking, should be repaired with surface and base course patching. The structural patch involves the removal of failed surface and base material and replacement with a new asphalt patch. As the amount of these failed areas increases (when patching exceeds 20 percent of the pavement area), this rehabilitation option becomes less cost-effective and other rehabilitation strategies should be utilized.

- ***PASER 4: Fair– Mill and Resurface*** ("Orange" color in Exhibit 1)

  This strategy is used on pavements with more frequent surface distresses and pavements which generally appear worn and aged. This strategy begins by grinding off the full-width of the existing asphalt surface to the edges of the pavement to a specified depth by cold milling.

  After milling, base and surface patches are used to repair surface deficiencies and localized areas of distress. A thin asphalt leveling course (typically less than 1") is then placed to provide a smooth uniform surface, eliminating any surface irregularities and correcting cross slope deficiencies. Crack control is also recommended, and if fabric is used, it should be placed after the leveling course because it cannot be placed on a milled surface. This strategy is completed with the placement of a new asphalt wearing surface (1 ¾" or more).

  This strategy is only effective on streets with a good base. If there are excessive surface and base failures in a pavement section, a grind and overlay will not be effective. An overlay on a pavement with a base in poor condition would only cover up a more severe problem.

- ***PASER 3: Poor – Full-depth asphalt replacement*** ("Pink" color on Exhibit 1)

  This strategy is used on streets where the majority of the asphalt pavement has failed, and more than 25 percent of the pavement is alligator cracked, but the base aggregate is in good condition and there is adequate drainage. This rehabilitation strategy involves removal of the entire existing asphalt pavement. The existing aggregate base is then repaired, shaped and prepared for an overlay of completely new hot-mix asphalt binder and surface layers.

- ***PASER 2 - 1; Very Poor/Failed, Reconstruction or Full-depth asphalt pavement removal and replacement*** ("Red" color on Exhibit 1)

  Streets with a PASER of 2 or 1 are considered to be failed pavements and require more extensive repair work. Since the existing pavement composition is often unknown, pavement cores are useful to determine whether the streets require reconstruction or full-depth asphalt pavement removal and replacement (previous strategy). For example, a street with failed bituminous material may have a salvageable base course.

  Reconstruction should be considered when pavement cores indicate poor base course conditions or a rural section will be urbanized with curb and gutter. This work includes the

removal and disposal of the failed existing pavement surface and base courses and sub-grade necessary to establish a finished sub-grade elevation. This work may also involve the removal and disposal of unsuitable material in the sub-grade as determined by borings or field inspection at the time of construction, and replacement with a suitable granular material. Once the finished sub-grade is compacted, the base course, hot-mix asphalt binder and surface course are constructed with materials and mixtures at thicknesses determined in the design engineering phase of the project.

The high cost of reconstruction warrants its use only in the most severe cases of pavement structural failure. Pavement reconstruction is very time-consuming and adds considerable delay and inconvenience for local residents. Pavements with large amounts of fatigue cracking or unstable base/sub-grade are good candidates for this option. A street selected for this strategy has severe levels of deterioration and resurfacing this street would act only as a temporary repair that will last only a few years, and the true cause of pavement deterioration in the sub-base or sub-grade would not be fixed.

Depending on existing pavement and base condition, as determined by pavement cores, some streets may be candidates for Full Depth Reclamation or Pulverization. With this strategy the existing pavement material is crushed and kept in place over the existing base course. A stabilizing agent such as foamed asphalt, emulsified asphalt, or cement may be added for additional strength. The aggregate base is then repaired, shaped and prepared for an overlay of a completely new hot-mix asphalt binder and surface layers. While it is best suited for rural (non-curbed) typical sections, Full Depth Reclamation can also be applied in urban (curbed) typical sections. In that case the street is completed one half at a time, with crushed reclaimed pavement material being temporarily placed on the opposite side such that adjustments can be made to the existing aggregate base to maintain the existing curb & gutter elevations. Full Depth Reclamation or Pulverization can have a cost savings of up to 40% - 50% over full reconstruction.

4.2 Rehabilitation Costs

The square foot unit cost for each of the different rehabilitation strategies accounted for estimated percentages of surface and base course patches, approximate length of curb and gutter removal and replacement, construction contingencies and approximate engineering costs. Appendix 2 shows a detailed calculation of the unit costs used to determine the square foot costs.

The total area of each street section was multiplied by the square foot unit cost for the rehabilitation strategy to determine the pavement repair cost in 2020 dollars, based on the current PASER value (as seen in Appendixes 3 and 4).

The intent of the costs presented in this report is to provide a conservative estimate of street repairs which can be used to select streets and develop a budget. More detailed engineering will have to be

completed at the time of the individual street programs to determine the actual estimated construction and engineering costs for a particular street section.

The current cost to repair streets requiring major maintenance (maintenance that needs to be completed by a Contractor) within the thirty (30) miles of streets evaluated in this pavement management report is estimated to be approximately $13.1 million (2020 dollars). The 2006 report indicated the cost to repair streets requiring major maintenance was $5.0M, however the Village's street network was only 22 miles at that time.

4.3 5-Year Improvement Plan

Once the pavement condition and associated rehabilitation costs for each street was determined, a 5-Year Pavement Improvement Plan was developed for the Village using three different budget scenarios: $500k, $1M, and $1.5M. This report is meant to serve as a guide to assist the Village with allocating funds for roadway improvements. The Village reserves the right to adjust funding and schedule of improvements as needed.

The 5-year plan was created with the purpose of being a schedule for providing timely, effective rehabilitation to the streets within the network. We analyzed the five year program while considering the following factors:

1. The street is located in a residential area and improving the street would provide the most direct benefit to Village residents.
2. The street has a “borderline” condition, in that it has a high probability of needing more significant repair if not rehabilitated within five years.
3. The proximity of the street to other streets recently rehabilitated in past years, including other streets to be completed as part of the 5-year program (The improvements that the Village has made from 2010 to 2019 are shown in Exhibit 3).
4. Grouping streets with other streets in the network scheduled for improvements in the same year (limiting the amount of “mobilization” needed by the Contractor).
5. The amount of traffic a street handles and its proximity to local access to other collector and arterial highways.

Many municipalities face political pressure to rehabilitate streets that are garnering the most complaints. These streets typically have the lowest rating (either Very Poor or Failed), meaning they have the highest cost of repair. It is important to stress that allocating most/all of the roadway maintenance budget to these low rating streets, is not the most effective use of the budgeted dollars and will cause the overall condition of the Village’s streets to further deteriorate. The primary goal should be to repair as many streets as possible just before they begin to rapidly deteriorate and their repair costs escalate. Considering the recommended budget to maintain a 15-20 year life cycle for pavements is $1.9 and $2.3 million per year, the lower the actual budget from that recommendation, the more ineffective it is to include Very Poor to Failed streets within the plan. Given the distribution

of the Village pavements (as seen in Figure 2), higher budget scenarios should be considered in order to include some Very Poor to Failed streets within the plan.

The Village has chosen to implement the 5-year plan with an annual budget of $1M. The Recommended 5-Year Improvement Plan is presented in map form in Exhibit 4; and summarized in detail in Appendix 5.

The Village should apply for STP funds for its Federal Aid eligible streets when the Kane / Kendall Council of Mayors has its next call for projects in January 2020. If selected, Federal STP funds would cover construction and construction engineering costs at 75%. Based on the Council's methodology for selecting projects, it appears 1st St and Strom Dr would score the highest amongst eligible Village streets based on pavement condition. We encourage the Village to apply for STP funding for one of both of these streets during the next call for projects in January 2020.

5. CONCLUSIONS/RECOMMENDATIONS

The results of this pavement management report should be very beneficial in assisting the planning of the annual street improvement projects for the Village of West Dundee. The use of Microsoft Excel with a Geographic Information System gives the Village the ability to easily access and update information as well as produce meaningful, spatial reports and maps. The combination of the mapping system with the pavement inventory database is a system with flexibility for expansion and refinement. The Village should continue to update the database periodically to monitor the progress of the Village's street programs.

The current cost to complete all roadway maintenance on all Village streets in 2020 totals $13.1 million (2020 dollars). Our analysis determined that the Village will need to budget between $1.9 and $2.3 million per year on roadway maintenance in order to rehabilitate its streets every 15-20 years. Based on discussion with Village staff, 3 separate 5-year plans have been prepared for annual budgets of $500K, $1M, and $1.5M. The Village has chosen to implement the 5-year plan with an annual budget of $1M..

Although the recommended budget is ambitious at this time, it illustrates the point that the Village streets are deteriorating each year and that trend will be difficult to reverse without significant investment in the Village's street program. It is important to stress that the implementation of this 5-Year Pavement Improvement Plan will slow the deterioration of the Village streets, regardless of the budget amount, as it is the most effective use of the budgeted dollars.

We also recommend the Village continue its program for preventative maintenance with crack sealing and patching focusing on streets in Fair, Good, and Very Good condition (PASER 5-8) to delay streets from needing more costly repairs. Preventative maintenance can be a cost effective way to increase the pavement life of these streets. While stop-gap maintenance (filling potholes, etc) should not be avoided they represent a "band-aid" solution that doesn't improve a pavement's PASER rating. We recommend the Village continue to allocate approximately $50,000 annually for crack sealing and patching over the 5-Year Improvement Plan. These costs are included with the roadway improvement costs of the 5-Year Improvement Plan.

In order to stretch the Village's available budget to its maximum effectiveness, we strongly recommend the Village continue to seek federal funding for roadways that are eligible for federal funding when the need for maintenance occurs. These include Sleepy Hollow Rd, 1st St, Dunning Ave, Strom Dr, and Boncosky Dr - 1st Street and Strom Drive will likely score highest among these STP eligible streets.

It should be noted that recommendations made in this report are based on data from pavement evaluations performed in August of 2019. Sewer and sidewalk improvements were not included in this report. Pavement performance over a period of time such as five years can be variable. In addition, the estimated costs of rehabilitation will become less accurate as time progresses because

of variable pavement deterioration and inflation. Furthermore, increased traffic or new developments may cause the rehabilitation needs of certain streets to become a higher priority than they were at the time of this report. Street programs should be coordinated with all developments and local and private utilities to minimize future road disruption and to fully capitalize on coinciding construction seasons. Therefore, we recommend that the information contained in the pavement inventory database be updated once every three to six years.

APPENDICES

BAXTER & WOODMAN
Consulting Engineers

Rating system

Surface rating	*Visible distress**	*General condition/ treatment measures*
10 Excellent	None.	New construction.
9 Excellent	None.	Recent overlay. Like new.
8 Very Good	No longitudinal cracks except reflection of paving joints. Occasional transverse cracks, widely spaced (40′ or greater). All cracks sealed or tight (open less than ¼″).	Recent sealcoat or new cold mix. Little or no maintenance required.
7 Good	Very slight or no raveling, surface shows some traffic wear. Longitudinal cracks (open ¼″) due to reflection or paving joints. Transverse cracks (open ¼″) spaced 10′ or more apart, little or slight crack raveling. No patching or very few patches in excellent condition.	First signs of aging. Maintain with routine crack filling.
6 Good	Slight raveling (loss of fines) and traffic wear. Longitudinal cracks (open ¼″–½″). Transverse cracks (open ¼″–½″), some spaced less than 10′. First sign of block cracking. Sight to moderate flushing or polishing. Occasional patching in good condition.	Shows signs of aging. Sound structural condition. Could extend life with sealcoat.
5 Fair	Moderate to severe raveling (loss of fine and coarse aggregate). Longitudinal and transverse cracks (open ½″ or more) show first signs of slight raveling and secondary cracks. First signs of longitudinal cracks near pavement edge. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Some patching or edge wedging in good condition.	Surface aging. Sound structural condition. Needs sealcoat or thin non-structural overlay (less than 2″)
4 Fair	Severe surface raveling. Multiple longitudinal and transverse cracking with slight raveling. Longitudinal cracking in wheel path. Block cracking (over 50% of surface). Patching in fair condition. Slight rutting or distortions (½″ deep or less).	Significant aging and first signs of need for strengthening. Would benefit from a structural overlay (2″ or more).
3 Poor	Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. Severe block cracking. Some alligator cracking (less than 25% of surface). Patches in fair to poor condition. Moderate rutting or distortion (greater than ½″ but less than 2" deep). Occasional potholes.	Needs patching and repair prior to major overlay. Milling and removal of deterioration extends the life of overlay.
2 Very Poor	Alligator cracking (over 25% of surface). Severe rutting or distortions (2″ or more deep). Extensive patching in poor condition. Potholes.	Severe deterioration. Needs reconstruction with extensive base repair. Pulverization of old pavement is effective.
1 Failed	Severe distress with extensive loss of surface integrity.	Failed. Needs total reconstruction.

** Individual pavements will not have all of the types of distress listed for any particular rating. They may have only one or two types.*

2019 Detailed Cost Summary by Rehabilitation Strategy

All of the below Engineering and Cost Estimation Values are based on a minimum street program of **$500,000**. These values are specifically provided for the purposes of this Pavement Management Report. More detailed engineering will have to be completed at the time of the street projects to determine the actual construction and engineering costs.

URBAN (CURBED) ROADWAYS - ASPHALT PAVEMENT

PASER	Repair Cost ($/SQ FT)	Des. Eng. ($/SQ FT)	Const. Eng. ($/SQ FT)	Total Cost ($/SQ FT)	Improvement Strategy Description
10 - 9	*$0.00*	*$0.00*	*$0.00*	**$0.00**	Excellent; No Maintenance Required
8 - 7	*$0.03*	*$0.01*	*$0.01*	**$0.05**	Very Good; Minimal Maintenance - Crack Seal
6	*$0.14*	*$0.01*	*$0.01*	**$0.16**	Good; Minor Maintenance - Spot Patch, Crack Seal
5	*$0.41*	*$0.03*	*$0.03*	**$0.47**	Fair; 5% Patching, Crack Seal
4	*$3.10*	*$0.22*	*$0.19*	**$3.51**	Poor; Mill and Resurface, 3/4" Leveling Binder, 1 3/4" Surface, 20% Curb Repair, 10% Patching
3	*$4.50*	*$0.32*	*$0.36*	**$5.18**	Very Poor; Full Depth Asphalt Pavement Removal and Replacement with 5% Base Repair, 2 1/2" Binder, 2" Surface, 30% Curb Repair
2 - 1	*$6.30*	*$0.60*	*$0.70*	**$7.60**	Failed; Full Depth Asphalt Pavement Removal and Replacement with 15% Base Repair, 2 1/2" Binder, 2" Surface, 100% Curb Repair
2 - 1	*$15.60*	*$1.60*	*$1.90*	**$19.10**	Failed; Collector/Industrial Pavement Reconstruction w/ Subgrade Repair, 12" Agg. Subbase, 7" Binder, 2" Surface, 100% Curb Repair

URBAN (CURBED) ROADWAYS - ASPHALT PAVEMENT OVER CONCRETE BASE

PASER	Repair Cost ($/SQ FT)	Des. Eng. ($/SQ FT)	Const. Eng. ($/SQ FT)	Total Cost ($/SQ FT)	Improvement Strategy Description
10 - 9	*$0.00*	*$0.00*	*$0.00*	**$0.00**	Excellent; No Maintenance Required
8 - 7	*$0.03*	*$0.01*	*$0.01*	**$0.05**	Very Good; Minimal Maintenance - Crack Seal
6	*$0.14*	*$0.01*	*$0.01*	**$0.16**	Good; Minor Maintenance - Spot Patch, Crack Seal
5	*$0.41*	*$0.03*	*$0.03*	**$0.47**	Fair; 5% Patching, Crack Seal
4	*$3.40*	*$0.24*	*$0.21*	**$3.85**	Poor; Mill and Resurface, 1" Leveling Binder, 2" Surface, 20% Curb Repair, 10% Patching
3	*$4.00*	*$0.28*	*$0.32*	**$4.60**	Very Poor; Mill and Resurface, 1" Leveling Binder, 2" Surface, 30% Curb Repair, 15% Patching
2 - 1	*$6.20*	*$0.50*	*$0.70*	**$7.40**	Failed; Mill and Resurface, 1" Leveling Binder, 2" Surface, 100% Curb Repair, 20% Patching
2 - 1	*$15.60*	*$1.60*	*$1.90*	**$19.10**	Failed; Collector/Industrial Pavement Reconstruction w/ Subgrade Repair, 12" Agg. Subbase, 7" Binder, 2" Surface, 100% Curb Repair

2019 Detailed Cost Summary by Rehabilitation Strategy

RURAL (NON-CURBED) ROADWAYS - ASHPALT PAVEMENT

PASER	Repair Cost ($/SQ FT)	Des. Eng. ($/SQ FT)	Const. Eng. ($/SQ FT)	Total Cost ($/SQ FT)	Improvement Strategy Description
10 - 9	*$0.00*	*$0.00*	*$0.00*	**$0.00**	Excellent; No Maintenance Required
8 - 7	*$0.03*	*$0.01*	*$0.01*	**$0.05**	Very Good; Minimal Maintenance - Crack Control
6	*$0.14*	*$0.01*	*$0.01*	**$0.16**	Good; Minor Maintenance - Spot Patch, Crack Seal, Microsurface
5	*$0.41*	*$0.03*	*$0.03*	**$0.47**	Fair; 5% Patching, Crack Seal
4	*$2.70*	*$0.19*	*$0.17*	**$3.06**	Poor; Mill and Resurface, 3/4" Leveling Binder, 1 3/4" Surface, 10% Patching, Agg Wedge Shoulders
3	*$3.70*	*$0.26*	*$0.30*	**$4.26**	Very Poor; Full Depth Asphalt Pavement Removal and Replacement with 5% Base Repair, 2 1/2" Binder, 2" Surface, Agg Wedge Shoulders
2 - 1	*$4.00*	*$0.40*	*$0.40*	**$4.80**	Failed; Full Depth Asphalt Pavement Removal and Replacement with 15% Base Repair, 2 1/2" Binder, 2" Surface, Agg Wedge Shoulders
2 - 1	*$15.50*	*$1.60*	*$1.90*	**$19.00**	Failed; Collector/Industrial Pavement Reconstruction w/ Subgrade Repair, 12" Agg. Subbase, 7" Binder, 2" Surface, , Agg Wedge Shoulders

** Costs listed above include design and construction engineering but do not include drainage improvements*

Input Values used for Strategy Cost

Leveling Binder	**$95.00**	$/ton
Hot-Mix Asphalt Binder	**$80.00**	$/ton
Hot-Mix Asphalt Surface	**$90.00**	$/ton
Cold Milling	**$3.00**	$/sq yd
Full Depth HMA Surface Removal	**$5.00**	$/sq yd
Base Prep	**$2.75**	$/sq yd
Base Repair	**$22.00**	$/sq yd
Pavement Removal	**$18.00**	$/sq yd
Geotechnical Fabric	**$2.00**	$/sq yd
12" Aggregate Base Course	**$19.00**	$/sq yd
Earth Excavation	**$40.00**	$/cu yd
Subgrade Repair	**$69.00**	$/cu yd
New Curb and Gutter	**$35.00**	$/lin. ft
Traffic Control / Mobilization	**5**	%
Restoration (Driveways & Sodding)	**$19.00**	$/sq yd
Crack Routing and Filling	**$0.75**	$/foot
Pavement Patching	**$50.00**	$/sq yd
Aggregate Wedge Shoulder	**$45.00**	$/ton
Curb & Gutter Repair:	**$40.00**	$/lin. ft

Assumed Engineering Costs (% of Construction Cost)

Maintenance/Resurfacing Projects	
Design Engineering	0% - 5%
Construction Engineering	6% - 8%
Reconstruction Projects	
Design Engineering	8% - 10%
Construction Engineering	10% - 12%

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
							Excellent (10 - 9)	
Campbell St	Glenmoor Dr	End	344	30.0	10,335	Asphalt	10	$ -
Green Castle Ct	Glenmoor Dr	End	337	30.0	10,108	Asphalt	10	$ -
Huntley Rd	Harbor Dr	Tay River Dr	512	32.0	16,399	Asphalt	10	$ -
Huntley Rd	Sleepy Hollow Rd	Westley Ln	1,535	30.0	46,041	Asphalt	10	$ -
Huntley Rd	Tay River Dr	Elm Ave	775	60.0	46,521	Asphalt	10	$ -
Huntley Rd	Westley Ln	Hamilton Dr	651	26.0	16,922	Asphalt	10	$ -
Huntley Rd	Tartan Dr	Harbor Dr	1,089	32.0	34,852	Asphalt	10	$ -
Spaulding Ct	End	Spaulding Ave	233	37.0	8,613	Asphalt	10	$ -
7th Blvd	Edwards Ave	Lisa Rd	961	32.0	30,754	Asphalt	9	$ -
7th Blvd	Ryan Ln	Edwards Ave	1,121	32.0	35,869	Asphalt	9	$ -
7th St	Lisa Rd	South St	300	34.0	10,191	Asphalt	9	$ -
Boncosky Rd	Fairhills Dr	Illinois Route 31	1,331	22.0	29,276	Concrete	9	$ -
Edinburgh Ln	Tartans Dr	Lindsay Ln	1,820	25.0	45,491	Asphalt	9	$ -
Kittridge Dr	Spaulding Ave	Pember Cir	380	34.0	12,914	Asphalt	9	$ -
Kittridge Dr	Tristram Ct	Pember Cir	210	34.0	7,130	Asphalt	9	$ -
Kittridge Dr	Pember Cir	Tartan Dr	349	34.0	11,859	Asphalt	9	$ -
Kittridge Dr	Village Limit	Preston Ln	453	34.0	15,387	Asphalt	9	$ -
Lindsay Ct	Lindsay Ln	End	170	37.0	6,300	Asphalt	9	$ -
Lindsay Ln	Edinburgh Ln	End	117	25.0	2,932	Asphalt	9	$ -
Lindsay Ln	Tartans Dr	Lindsay Ct	718	25.0	17,956	Asphalt	9	$ -
Lindsay Ln	Lindsay Ct	Edinburgh Ln	433	25.0	10,829	Asphalt	9	$ -
							Very Good (8 - 7)	
Binnie Rd	Village Limit	Village Limit	400	25.0	9,992	Asphalt	8	$ 499.60
Boncosky Rd	Village Limit	Fairhills Dr	919	22.0	20,213	Asphalt	8	$ 1,010.65
Kittridge Dr	Brewer Ct	Tristram Ct	127	34.0	4,318	Asphalt	8	$ 215.90
Kittridge Dr	Knowlton Dr	Spaulding Ave	552	34.0	18,763	Asphalt	8	$ 938.15
Kittridge Dr	Thatcher Trl	Brewer Ct	153	34.0	5,187	Asphalt	8	$ 259.35
Kittridge Dr	Preston Ln	Knowlton Dr	342	34.0	11,612	Asphalt	8	$ 580.60
Kittridge Dr	Pember Cir	Thatcher Trl	260	34.0	8,834	Asphalt	8	$ 441.70
1st St	Garrison Ave	Hawley Ave	74	28.0	2,086	Asphalt over Concrete	7	$ 104.30
1st St	Riverside Ave	Garrison Ave	240	28.0	6,721	Asphalt over Concrete	7	$ 336.05
1st St	Edwards St	Maiden Ln	291	28.0	8,157	Asphalt over Concrete	7	$ 407.85
3rd St	Liberty St	Oregon St	363	28.0	10,174	Asphalt over Concrete	7	$ 508.70
3rd St	South St	Liberty St	362	28.0	10,126	Asphalt over Concrete	7	$ 506.30
5th St	Lisa Rd	South St	305	29.0	8,856	Asphalt	7	$ 442.80
5th St	5th Street Ct	Lisa Rd	571	28.0	15,978	Asphalt	7	$ 798.90
5th St	Edwards Ave	5th Street Ct	368	28.0	10,309	Asphalt	7	$ 515.45

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
5th St	Main St	Washington St	372	28.0	10,403	Asphalt over Concrete	7	$ 520.15
Carrington Ct	Dartmouth Ln	End	188	55.0	10,339	Asphalt	7	$ 516.95
Chateau Bluff Ln	Autumn Hl	Wintercrag	533	25.0	13,316	Asphalt	7	$ 665.80
Fairhills Dr	Boncosky Rd	Angle Tarn	443	40.0	17,706	Concrete	7	$ 885.30
Fox Ave	1st St	End	304	24.0	7,303	Asphalt over Concrete	7	$ 365.15
Highland Ave	Kane St	Hillcrest Ct	350	28.0	9,814	Asphalt over Concrete	7	$ 490.70
							Good (6)	
1st St	Edwards Ave	Edwards St	41	28.0	1,148	Asphalt over Concrete	6	$ 183.68
1st St	Dunning Ave	Fay Ave	110	28.0	3,074	Asphalt over Concrete	6	$ 491.84
1st St	Fox Ave	Dunning Ave	206	27.0	5,570	Asphalt over Concrete	6	$ 891.20
1st St	Browning St	Edwards Ave	273	28.0	7,650	Asphalt over Concrete	6	$ 1,224.00
2nd St	Main St	Washington St	372	34.0	12,648	Asphalt over Concrete	6	$ 2,023.68
2nd St	South St	Liberty St	362	34.0	12,317	Asphalt over Concrete	6	$ 1,970.72
2nd St	Liberty St	Oregon St	363	34.0	12,337	Asphalt over Concrete	6	$ 1,973.92
3rd St	Edwards Ave	South St	664	28.0	18,597	Asphalt over Concrete	6	$ 2,975.52
3rd St	Washington St	Lincoln Ave	305	28.0	8,550	Asphalt over Concrete	6	$ 1,368.00
5th St	Liberty St	Oregon St	363	28.0	10,157	Asphalt over Concrete	6	$ 1,625.12
5th St	Oregon St	Main St	372	28.0	10,429	Asphalt over Concrete	6	$ 1,668.64
6th St	Geneva St	Kane St	362	28.0	10,140	Asphalt over Concrete	6	$ 1,622.40
Cavalier Ct	End	Village Quarter Rd	593	34.0	20,156	Asphalt	6	$ 3,224.96
Dartmouth Ln	Somerset Dr	Carrington Ct	470	24.0	11,281	Asphalt	6	$ 1,804.96
Dunning Ave	Ryan Ln	3rd St	436	32.0	13,943	Asphalt	6	$ 2,230.88
Dunning Ave	3rd St	2nd St	366	30.0	10,984	Asphalt over Concrete	6	$ 1,757.44
Edwards Ave	Eichler Dr	7th Blvd	331	29.0	9,599	Asphalt	6	$ 1,535.84
Edwards Ave	7th Blvd	5th St	310	29.0	8,995	Asphalt	6	$ 1,439.20
Fay Ave	1st St	End	382	22.0	8,410	Asphalt over Concrete	6	$ 1,345.60
Geneva St	8th St	7th St	510	28.0	14,294	Asphalt over Concrete	6	$ 2,287.04
Highland Ave	Hillcrest Ct	Village Limit	404	28.0	11,304	Asphalt over Concrete	6	$ 1,808.64
Kane St	Highland Ave	7th St	283	28.0	7,928	Asphalt over Concrete	6	$ 1,268.48
Kane St	7th St	6th St	358	28.0	10,034	Asphalt over Concrete	6	$ 1,605.44
Lincoln Ave	4th St	Geneva St	336	22.0	7,393	Asphalt over Concrete	6	$ 1,182.88
Oak Dr	End	Walnut Dr	190	38.0	7,215	Asphalt	6	$ 1,154.40
Oregon St	3rd St	2nd St	361	28.0	10,110	Asphalt over Concrete	6	$ 1,617.60
Short Ave	End	1st St	374	27.0	10,088	Asphalt	6	$ 1,614.08
Sleepy Hollow Rd	Village Limit	Oak Dr	212	33.0	6,984	Asphalt	6	$ 1,117.44
Sleepy Hollow Rd	Higgins Rd	Glenmoor Dr	386	36.0	13,885	Asphalt	6	$ 2,221.60
Sleepy Hollow Rd	Kittridge Dr	Village Limit	633	33.0	20,904	Asphalt	6	$ 3,344.64
Sleepy Hollow Rd	Glenmoor Dr	Kittridge Dr	1,718	29.0	49,827	Asphalt	6	$ 7,972.32

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
South St	8th St	7th St	515	28.0	14,419	Asphalt over Concrete	6	$ 2,307.04
Stewart Ln	Malcolm Ln	Glenmoor Dr	1,139	25.0	28,463	Asphalt	6	$ 4,554.08
Strom Dr	Edwards Ave	Eichler Dr	447	34.0	15,199	Asphalt	6	$ 2,431.84
Strom Dr	8th St	Edwards Ave	1,160	34.0	39,448	Asphalt	6	$ 6,311.68
Tartans Dr	Edinburgh Ln	Lindsay Ln	394	34.0	13,390	Asphalt	6	$ 2,142.40
Tartans Dr	Higgins Rd	Tartans Ct	189	34.0	6,411	Asphalt	6	$ 1,025.76
Tartans Dr	Tartans Ct	Edinburgh Ln	214	34.0	7,270	Asphalt	6	$ 1,163.20
Washington St	4th St	3rd St	361	28.0	10,099	Asphalt over Concrete	6	$ 1,615.84
Wessex Dr	Winton Ct	Chesire Ct	575	24.0	13,795	Asphalt	6	$ 2,207.20
Wessex Dr	Wessex Dr	Higgins Rd	330	30.0	9,903	Asphalt	6	$ 1,584.48
Winton Ct	End	Wessex Dr	177	55.0	9,736	Asphalt	6	$ 1,557.76
							Fair (5)	
3rd St	Main St	Washington St	373	28.0	10,431	Asphalt over Concrete	5	$ 4,902.57
3rd St	Oregon St	Main St	370	29.0	10,733	Asphalt over Concrete	5	$ 5,044.51
4th St	Liberty St	Oregon St	363	28.0	10,163	Asphalt over Concrete	5	$ 4,776.61
4th St	Oregon St	Main St	371	29.0	10,768	Asphalt over Concrete	5	$ 5,060.96
4th St	Main St	Washington St	372	28.0	10,417	Asphalt over Concrete	5	$ 4,895.99
5th St	South St	Liberty St	364	28.0	10,195	Asphalt over Concrete	5	$ 4,791.65
5th St	Geneva St	End	241	28.0	6,753	Asphalt over Concrete	5	$ 3,173.91
Bradford Ln	Straton Cir	Dartmouth Ln	368	24.0	8,840	Asphalt	5	$ 4,154.80
Bradford Ln	Dartmouth Ln	Carrington Dr	391	24.0	9,382	Asphalt	5	$ 4,409.54
Bristol Ct	Dartmouth Ln	End	155	55.0	8,524	Asphalt	5	$ 4,006.28
Carrington Dr	Wessex Dr	Higgins Rd	514	35.0	17,984	Asphalt	5	$ 8,452.48
Chatham Ln	End	Huntington Blvd	432	24.0	10,379	Asphalt	5	$ 4,878.13
Chatham Ln	Huntington Blvd	End	296	24.0	7,115	Asphalt	5	$ 3,344.05
Connolly Ln	Carrington Dr	Carrington Dr	2,149	24.0	51,587	Asphalt	5	$ 24,245.89
Dartmouth Ln	Windham Pt	Bradford Ln	278	24.0	6,664	Asphalt	5	$ 3,132.08
Dartmouth Ln	Bradford Ln	Bristol Ct	594	24.0	14,258	Asphalt	5	$ 6,701.26
Dartmouth Ln	Bristol Ct	Windham Pt	585	24.0	14,052	Asphalt	5	$ 6,604.44
Dartmouth Ln	Carrington Ct	Bradford Ln	284	24.0	6,805	Asphalt	5	$ 3,198.35
Exeter Ct	End	Wessex Dr	571	24.0	13,699	Asphalt	5	$ 6,438.53
Fox Path	Angle Tarn	Misfell	346	25.0	8,658	Asphalt	5	$ 4,069.26
Huntington Blvd	Chatham Ln	Carrington Dr	1,213	24.0	29,113	Asphalt	5	$ 13,683.11
Lincoln Ave	Geneva St	3rd St	102	22.0	2,250	Asphalt over Concrete	5	$ 1,057.50
Lincoln Ave	Village Limit	4th St	1,413	23.0	32,497	Asphalt over Concrete	5	$ 15,273.59
Lincoln Ave	3rd St	2nd St	427	22.0	9,399	Asphalt over Concrete	5	$ 4,417.53
Malcolm Ln	End	Stewart Ln	132	25.0	3,309	Asphalt	5	$ 1,555.23
Malcolm Ln	Stewart Ln	Glenmoor Dr	347	25.0	8,680	Asphalt	5	$ 4,079.60

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Market Loop	Willow Ln	Roundabout	498	33.0	16,423	Asphalt	5	$ 7,718.81
Market Loop	Roundabout	Village Quarter Rd	717	33.0	23,647	Asphalt	5	$ 11,114.09
Millsfell	Fox Path	End	262	25.0	6,548	Asphalt	5	$ 3,077.56
Oak Dr	Karen Dr	Sleepy Hollow Rd	349	38.0	13,246	Asphalt	5	$ 6,225.62
Oregon St	1st St	End	267	28.0	7,489	Asphalt over Concrete	5	$ 3,519.83
Oregon St	5th St	4th St	360	28.0	10,069	Asphalt over Concrete	5	$ 4,732.43
Oregon St	4th St	3rd St	362	28.0	10,146	Asphalt over Concrete	5	$ 4,768.62
Royal Ln	Village Quarter Rd	8th St	1,285	28.0	35,982	Asphalt	5	$ 16,911.54
Somerset Dr	Dartmouth Ln	Carrington Dr	1,204	24.0	28,895	Asphalt	5	$ 13,580.65
Somerset Dr	End	Dartmouth Ln	408	24.0	9,803	Asphalt	5	$ 4,607.41
Straton Cir	Bradford Ln	End	258	48.0	12,371	Asphalt	5	$ 5,814.37
Strom Dr	Eichler Dr	7th Blvd	726	34.0	24,678	Asphalt over Concrete	5	$ 11,598.66
Tartan Dr	Kittridge Dr	Waterbury Ct	255	34.0	8,673	Asphalt	5	$ 4,076.31
Tartan Dr	Spaulding Ave	Kittridge Dr	272	34.0	9,263	Asphalt	5	$ 4,353.61
Tartan Dr	Glenmoor Dr	Spaulding Ave	827	34.0	28,117	Asphalt	5	$ 13,214.99
Tartan Dr	Waterbury Ct	Village Limit	195	45.0	8,771	Asphalt	5	$ 4,122.37
Tartan Dr	Village Limit	Huntley Rd	45	45.0	2,036	Asphalt	5	$ 956.92
Tartans Dr	Lindsay Ln	Glenmoor Dr	923	34.0	31,372	Asphalt	5	$ 14,744.84
Washington St	5th St	4th St	360	28.0	10,088	Asphalt over Concrete	5	$ 4,741.36
Wesemann Dr	Village Limit	Wesemann Dr	2,018	37.0	74,662	Asphalt	5	$ 35,091.14
Wesemann Dr	Wesemann Dr	End	993	37.0	36,758	Asphalt	5	$ 17,276.26
Wessex Dr	Chesire Ct	Carrington Dr	1,078	24.0	25,868	Asphalt	5	$ 12,157.96
Wessex Dr	Wessex Dr	Winton Ct	391	24.0	9,376	Asphalt	5	$ 4,406.72
Windham Pt	Dartmouth Ln	End	244	50.0	12,199	Asphalt	5	$ 5,733.53
							Poor (4)	
1st St	Oregon St	Main St	370	38.0	14,043	Asphalt over Concrete	4	$ 54,065.55
1st St	Liberty St	Oregon St	363	28.0	10,161	Asphalt over Concrete	4	$ 39,119.85
1st St	Short Ave	Fox Ave	211	27.0	5,707	Asphalt over Concrete	4	$ 21,971.95
2nd St	Washington St	Lincoln Ave	74	34.0	2,522	Asphalt over Concrete	4	$ 9,709.70
3rd St	Garrison Ave	Edwards Ave	658	28.0	18,429	Asphalt over Concrete	4	$ 70,951.65
6th St	Kane St	Hillcrest Ct	388	28.0	10,878	Asphalt over Concrete	4	$ 41,880.30
6th St	Washington St	Geneva St	362	28.0	10,128	Asphalt over Concrete	4	$ 38,992.80
6th St	Oregon St	Main St	374	28.0	10,478	Asphalt over Concrete	4	$ 40,340.30
7th St	Geneva St	Kane St	361	28.0	10,119	Asphalt over Concrete	4	$ 38,958.15
Acorn Ct	Maple Cir	Oak Dr	323	24.0	7,751	Asphalt	4	$ 27,206.01
Acorn Ct	End	Maple Cir	981	24.0	23,536	Asphalt	4	$ 82,611.36
Acorn Ct	Oak Dr	Maple Cir	596	27.0	16,086	Asphalt	4	$ 56,461.86
Acorn Ct	Maple Cir	Karen Dr	483	27.0	13,033	Asphalt	4	$ 45,745.83

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Angle Tarn	Spring Leaf	Fairhills Dr	311	25.0	7,776	Asphalt	4	$ 27,293.76
Ash Dr	Walnut Dr	Grand Pointe Dr	447	27.0	12,062	Asphalt	4	$ 42,337.62
Beacon St	Angle Tarn	Chateau Bluff Ln	636	28.0	17,813	Asphalt	4	$ 62,523.63
Bradford Ln	Dartmouth Ln	Straton Cir	348	24.0	8,362	Asphalt	4	$ 29,350.62
Carrington Dr	Village Limit	Huntington Blvd	1,578	50.0	78,900	Asphalt	4	$ 276,939.00
Carrington Dr	Connolly Ln	Connolly Ln	1,419	28.0	39,723	Asphalt	4	$ 139,427.73
Carrington Dr	Somerset Dr	Bradford Ln	301	24.0	7,230	Asphalt	4	$ 25,377.30
Carrington Dr	Huntington Blvd	Somerset Dr	1,141	24.0	27,383	Asphalt	4	$ 96,114.33
Carrington Dr	Connolly Ln	Wessex Dr	1,669	26.0	43,399	Asphalt	4	$ 152,330.49
Carrington Dr	Bradford Ln	Connolly Ln	1,124	30.0	33,726	Asphalt	4	$ 118,378.26
Chesire Ct	Wessex Dr	End	621	24.0	14,906	Asphalt	4	$ 52,320.06
Edwards Ave	2nd St	1st St	357	29.0	10,367	Asphalt over Concrete	4	$ 39,912.95
Edwards Ave	Strom Dr	Eichler Dr	901	33.0	29,750	Asphalt	4	$ 104,422.50
Edwards St	1st St	View St	449	22.0	9,873	Asphalt over Concrete	4	$ 38,011.05
Eichler Dr	Strom Dr	Edwards Ave	927	33.0	30,591	Asphalt	4	$ 107,374.41
Garrison Ave	3rd St	2nd St	365	27.0	9,849	Asphalt over Concrete	4	$ 37,918.65
Geneva St	6th St	5th St	361	28.0	10,095	Asphalt over Concrete	4	$ 38,865.75
Geneva St	7th St	6th St	362	28.0	10,129	Asphalt over Concrete	4	$ 38,996.65
Geneva St	5th St	4th St	361	28.0	10,097	Asphalt over Concrete	4	$ 38,873.45
Geneva St	4th St	Lincoln Ave	274	28.0	7,683	Asphalt over Concrete	4	$ 29,579.55
Grand Pointe Dr	Oak Dr	Ash Dr	534	48.0	25,625	Asphalt	4	$ 89,943.75
Grand Pointe Dr	Walnut Dr	Huntley Rd	281	38.0	10,684	Asphalt	4	$ 37,500.84
Grand Pointe Dr	Ash Dr	Walnut Dr	498	48.0	23,906	Asphalt	4	$ 83,910.06
Kane St	8th St	Highland Ave	418	28.0	11,701	Asphalt over Concrete	4	$ 45,048.85
Karen Dr	Grand Pointe Dr	Acorn Ct	455	27.0	12,293	Asphalt	4	$ 43,148.43
Karen Dr	Oak Dr	Acorn Ct	1,542	27.0	41,645	Asphalt	4	$ 146,173.95
Liberty St	2nd St	1st St	359	28.0	10,039	Asphalt over Concrete	4	$ 38,650.15
Lisa Rd	8th St	7th St	526	25.0	13,163	Asphalt	4	$ 46,202.13
Lisa Rd	7th Blvd	5th St	739	25.0	18,471	Asphalt	4	$ 64,833.21
Maple Cir	Acorn Ct	Oak Dr	675	24.0	16,191	Asphalt	4	$ 56,830.41
Maple Cir	Oak Dr	Acorn Ct	894	27.0	24,145	Asphalt	4	$ 84,748.95
Oak Dr	Maple Cir	Karen Dr	492	38.0	18,681	Asphalt	4	$ 65,570.31
Oak Dr	Walnut Dr	Grand Pointe Dr	938	38.0	35,627	Asphalt	4	$ 125,050.77
Oak Dr	Acorn Ct	Maple Cir	505	38.0	19,196	Asphalt	4	$ 67,377.96
Oak Dr	Grand Pointe Dr	Acorn Ct	378	38.0	14,373	Asphalt	4	$ 50,449.23
Oregon St	2nd St	1st St	360	28.0	10,094	Asphalt over Concrete	4	$ 38,861.90
Oregon St	6th St	5th St	359	28.0	10,065	Asphalt over Concrete	4	$ 38,750.25
Roundabout	End	Market Loop	408	33.0	13,479	Asphalt	4	$ 47,311.29

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Spring Leaf	Angle Tarn	Fawn Hollow	337	25.0	8,434	Asphalt	4	$ 29,603.34
Spruce Dr	Walnut Dr	Walnut Dr	475	27.0	12,823	Asphalt	4	$ 45,008.73
Thatcher Trl	Pember Cir	End	302	25.0	7,555	Asphalt	4	$ 26,518.05
Thatcher Trl	Kittridge Dr	Pember Cir	718	25.0	17,954	Asphalt	4	$ 63,018.54
View St	Browning St	Edwards St	312	22.0	6,855	Asphalt over Concrete	4	$ 26,391.75
View St	Hawley Ave	Browning St	316	22.0	6,946	Asphalt over Concrete	4	$ 26,742.10
Village Quarter Rd	Cavalier Ct	Royal Ln	415	34.0	14,096	Asphalt	4	$ 49,476.96
Village Quarter Rd	Royal Ln	Main St	815	34.0	27,705	Asphalt	4	$ 97,244.55
Village Quarter Rd	Cavalier Ct	Market Loop	1,283	34.0	43,638	Asphalt	4	$ 153,169.38
Walnut Dr	Spruce Dr	Spruce Dr	716	27.0	19,333	Asphalt	4	$ 67,858.83
Walnut Dr	Spruce Dr	Grand Pointe Dr	390	27.0	10,519	Asphalt	4	$ 36,921.69
Walnut Dr	Oak Dr	Ash Dr	1,151	27.0	31,076	Asphalt	4	$ 109,076.76
Walnut Dr	Ash Dr	Spruce Dr	341	27.0	9,206	Asphalt	4	$ 32,313.06
Washington St	2nd St	1st St	172	30.0	5,149	Asphalt over Concrete	4	$ 19,823.65
Washington St	8th St	7th St	489	28.0	13,688	Asphalt over Concrete	4	$ 52,698.80
Washington St	3rd St	2nd St	359	35.0	12,570	Asphalt over Concrete	4	$ 48,394.50
Water Tower Rd	End	Elm Ave	275	33.0	9,075	Asphalt	4	$ 31,853.25
Willow Ln	Market Loop	Market Loop	215	32.0	6,866	Asphalt	4	$ 24,099.66
Willow Ln	Market Loop	8th St	308	40.0	12,321	Asphalt	4	$ 43,246.71
							Very Poor (3)	
1st St	Hawley Ave	Browning St	312	28.0	8,744	Asphalt over Concrete	3	$ 40,222.40
1st St	South St	Liberty St	362	28.0	10,140	Asphalt over Concrete	3	$ 46,644.00
1st St	Maiden Ln	South St	330	28.0	9,241	Asphalt over Concrete	3	$ 42,508.60
1st St	1st St	Washington St	242	13.0	3,142	Asphalt over Concrete	3	$ 14,453.20
1st St	Main St	1st St	225	13.0	2,924	Asphalt over Concrete	3	$ 13,450.40
1st St	Fay Ave	Riverside Ave	314	28.0	8,786	Asphalt over Concrete	3	$ 40,415.60
2nd St	Edwards Ave	South St	663	34.0	22,550	Asphalt over Concrete	3	$ 103,730.00
2nd St	Garrison Ave	Edwards Ave	659	34.0	22,408	Asphalt over Concrete	3	$ 103,076.80
2nd St	Dunning Ave	Garrison Ave	662	34.0	22,503	Asphalt over Concrete	3	$ 103,513.80
2nd St	Oregon St	Main St	370	37.0	13,685	Asphalt over Concrete	3	$ 62,951.00
3rd St	Dunning Ave	Garrison Ave	660	28.0	18,483	Asphalt over Concrete	3	$ 85,021.80
4th St	Geneva St	Lincoln Ave	194	28.0	5,427	Asphalt over Concrete	3	$ 24,964.20
4th St	Washington St	Geneva St	361	28.0	10,109	Asphalt over Concrete	3	$ 46,501.40
5th St	Washington St	Geneva St	361	28.0	10,107	Asphalt over Concrete	3	$ 46,492.20
6th St	Hillcrest Ct	Village Limit	476	24.0	11,427	Asphalt over Concrete	3	$ 52,564.20
6th St	Main St	Washington St	369	28.0	10,344	Asphalt over Concrete	3	$ 47,582.40
6th St	Liberty St	Oregon St	362	28.0	10,143	Asphalt over Concrete	3	$ 46,657.80
6th St	South St	Liberty St	362	28.0	10,143	Asphalt over Concrete	3	$ 46,657.80

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
7th St	Main St	Washington St	366	28.0	10,259	Asphalt over Concrete	3	$ 47,191.40
7th St	Oregon St	Main St	377	28.0	10,553	Asphalt over Concrete	3	$ 48,543.80
7th St	Washington St	Geneva St	362	28.0	10,150	Asphalt over Concrete	3	$ 46,690.00
7th St	Liberty St	Oregon St	362	28.0	10,129	Asphalt over Concrete	3	$ 46,593.40
7th St	South St	Liberty St	363	28.0	10,154	Asphalt over Concrete	3	$ 46,708.40
Angle Tarn	Fairhills Dr	Beacon St	194	25.0	4,840	Asphalt	3	$ 25,071.20
Angle Tarn	Summerwood	Autumn Hl	473	25.0	11,822	Asphalt	3	$ 61,237.96
Angle Tarn	Spring Leaf	Fox Path	432	25.0	10,803	Asphalt	3	$ 55,959.54
Angle Tarn	Autumn Hl	Wintercrag	478	25.0	11,941	Asphalt	3	$ 61,854.38
Angle Tarn	Wintercrag	Fairhills Dr	740	25.0	18,493	Asphalt	3	$ 95,793.74
Autumn Hl	Angle Tarn	Chateau Bluff Ln	325	25.0	8,132	Asphalt	3	$ 42,123.76
Browning St	1st St	View St	449	22.0	9,868	Asphalt over Concrete	3	$ 45,392.80
Castle Rock Ct	Glenmoor Dr	End	154	37.0	5,694	Asphalt	3	$ 29,494.92
Chadwick Ln	Preston Ln	Westley Ln	690	25.0	17,253	Asphalt	3	$ 89,370.54
Chateau Bluff Ln	Wintercrag	Beacon St	678	25.0	16,946	Asphalt	3	$ 87,780.28
Dunning Ave	2nd St	1st St	359	27.0	9,707	Asphalt over Concrete	3	$ 44,652.20
Edwards Ave	Ryan Ln	3rd St	371	29.0	10,770	Asphalt over Concrete	3	$ 49,542.00
Edwards Ave	3rd St	2nd St	363	29.0	10,538	Asphalt over Concrete	3	$ 48,474.80
Edwards Ave	5th St	Ryan Ln	697	29.0	20,227	Asphalt	3	$ 104,775.86
Edwards St	View St	End	495	22.0	10,899	Asphalt	3	$ 56,456.82
Eichler Dr	Edwards Ave	8th St	1,022	33.0	33,729	Asphalt	3	$ 174,716.22
Fairhills Dr	Fox Path	Angle Tarn	475	25.0	11,875	Asphalt	3	$ 61,512.50
Fairhills Dr	Angle Tarn	Fox Path	999	25.0	24,986	Asphalt	3	$ 129,427.48
Fawn Hollow	Spring Leaf	End	243	25.0	6,066	Asphalt	3	$ 31,421.88
Fox Path	Millsfell	Fairhills Dr	861	25.0	21,518	Asphalt	3	$ 111,463.24
Garrison Ave	2nd St	1st St	358	27.0	9,679	Asphalt over Concrete	3	$ 44,523.40
Glenmoor Dr	Sleepy Hollow Rd	Prestwick Ct	188	34.0	6,398	Asphalt	3	$ 33,141.64
Glenmoor Dr	Campbell St	NoName	137	34.0	4,666	Asphalt	3	$ 24,169.88
Glenmoor Dr	Prestwick Ct	Castle Rock Ct	129	34.0	4,402	Asphalt	3	$ 22,802.36
Glenmoor Dr	Castle Rock Ct	Malcolm Ln	201	34.0	6,842	Asphalt	3	$ 35,441.56
Glenmoor Dr	Stewart Ln	Campbell St	448	34.0	15,234	Asphalt	3	$ 78,912.12
Hawley Ave	1st St	View St	448	22.0	9,865	Asphalt over Concrete	3	$ 45,379.00
Liberty St	6th St	5th St	359	28.0	10,056	Asphalt over Concrete	3	$ 46,257.60
Liberty St	5th St	4th St	359	28.0	10,060	Asphalt over Concrete	3	$ 46,276.00
Liberty St	1st St	End	293	28.0	8,197	Asphalt	3	$ 42,460.46
Liberty St	3rd St	2nd St	360	28.0	10,083	Asphalt over Concrete	3	$ 46,381.80
Liberty St	4th St	3rd St	365	28.0	10,228	Asphalt over Concrete	3	$ 47,048.80
Maiden Ln	1st St	End	407	22.0	8,965	Asphalt over Concrete	3	$ 41,239.00

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Market Loop	Beacon St	Willow Ln	1,028	22.0	22,617	Asphalt	3	$ 117,156.06
NoName	End	Glenmoor Dr	155	25.0	3,881	Asphalt	3	$ 20,103.58
Oregon St	7th St	6th St	363	28.0	10,162	Asphalt over Concrete	3	$ 46,745.20
Pember Cir	Kittridge Dr	Thatcher Trl	707	25.0	17,679	Asphalt	3	$ 91,577.22
Prestwick Ct	End	Glenmoor Dr	195	37.0	7,212	Asphalt	3	$ 37,358.16
Riverside Ave	1st St	End	482	22.0	10,608	Asphalt over Concrete	3	$ 48,796.80
Ryan Ln	Ryan Ct	Edwards Ave	426	28.0	11,925	Asphalt	3	$ 61,771.50
Ryan Ln	5th St	Ryan Ct	583	28.0	16,320	Asphalt	3	$ 84,537.60
Ryan Ln	7th Blvd	5th St	309	28.0	8,647	Asphalt	3	$ 44,791.46
Sleepy Hollow Rd	Oak Dr	Huntley Rd	1,239	29.0	35,929	Asphalt	3	$ 186,112.22
South St	3rd St	2nd St	361	28.0	10,115	Asphalt over Concrete	3	$ 46,529.00
South St	2nd St	1st St	357	28.0	10,001	Asphalt over Concrete	3	$ 46,004.60
South St	5th St	4th St	351	28.0	9,840	Asphalt over Concrete	3	$ 45,264.00
South St	7th St	6th St	361	28.0	10,112	Asphalt over Concrete	3	$ 46,515.20
South St	6th St	5th St	373	28.0	10,437	Asphalt over Concrete	3	$ 48,010.20
South St	1st St	End	542	28.0	15,190	Asphalt over Concrete	3	$ 69,874.00
South St	4th St	3rd St	358	28.0	10,038	Asphalt over Concrete	3	$ 46,174.80
Spaulding Ave	Knowlton Dr	Kittridge Dr	564	25.0	14,108	Asphalt	3	$ 73,079.44
Spaulding Ave	Spaulding Ct	Tartan Dr	352	25.0	8,801	Asphalt	3	$ 45,589.18
Spring Leaf	Fawn Hollow	End	327	35.0	11,436	Asphalt	3	$ 59,238.48
Summerwood	Angle Tarn	End	360	25.0	8,993	Asphalt	3	$ 46,583.74
Tristram Ct	Kittridge Dr	End	290	30.0	8,691	Asphalt	3	$ 45,019.38
Village Quarter Rd	Market Loop	8th St	339	42.0	14,231	Asphalt	3	$ 73,716.58
Washington St	6th St	5th St	360	28.0	10,085	Asphalt over Concrete	3	$ 46,391.00
Washington St	7th St	6th St	362	28.0	10,140	Asphalt over Concrete	3	$ 46,644.00
Waterbury Ct	End	Tartan Dr	230	37.0	8,511	Asphalt	3	$ 44,086.98
Willow Ln	Village Limit	Market Loop	320	32.0	10,240	Asphalt	3	$ 53,043.20
Wintercrag	Angle Tarn	Chateau Bluff Ln	400	25.0	10,003	Asphalt	3	$ 51,815.54
							Failed (2 - 1)	
3rd St	End	Dunning Ave	377	28.0	10,556	Asphalt over Concrete	2	$ 78,114.40
4th St	South St	Liberty St	362	28.0	10,133	Asphalt over Concrete	2	$ 74,984.20
5th Street Ct	5th St	End	179	48.0	8,603	Asphalt	2	$ 65,382.80
Angle Tarn	Beacon St	8th St	693	36.0	24,937	Asphalt	2	$ 189,521.20
Angle Tarn	Fox Path	Summerwood	839	25.0	20,979	Asphalt	2	$ 159,440.40
Barber Ct	Knowlton Dr	End	248	37.0	9,193	Asphalt	2	$ 69,866.80
Brewer Ct	End	Kittridge Dr	219	37.0	8,099	Asphalt	2	$ 61,552.40
Glenmoor Dr	Green Castle Ct	Tartans Dr	503	34.0	17,093	Asphalt	2	$ 129,906.80
Glenmoor Dr	Grant Ave	Macgregor Ct	914	34.0	31,091	Asphalt	2	$ 236,291.60

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Glenmoor Dr	NoName	Green Castle Ct	183	34.0	6,239	Asphalt	2	$ 47,416.40
Glenmoor Dr	Malcolm Ln	Grant Ave	192	34.0	6,524	Asphalt	2	$ 49,582.40
Glenmoor Dr	Macgregor Ct	Stewart Ln	131	34.0	4,451	Asphalt	2	$ 33,827.60
Grant Ave	Glenmoor Dr	Knowlton Dr	314	25.0	7,853	Asphalt	2	$ 59,682.80
Hamilton Dr	End	Village Limit	622	28.0	17,425	Asphalt	2	$ 132,430.00
Hillcrest Ct	Highland Ave	6th St	529	20.0	10,579	Asphalt over Concrete	2	$ 78,284.60
Knowlton Dr	Grant Ave	Smalley Ct	729	25.0	18,222	Asphalt	2	$ 138,487.20
Knowlton Dr	Grant Ave	McConnoche Ct	163	25.0	4,072	Asphalt	2	$ 30,947.20
Knowlton Dr	Smalley Ct	Barber Ct	395	25.0	9,883	Asphalt	2	$ 75,110.80
Knowlton Dr	Barber Ct	Kittridge Dr	279	25.0	6,968	Asphalt	2	$ 52,956.80
Knowlton Dr	McConnoche Ct	Spaulding Ave	535	25.0	13,385	Asphalt	2	$ 101,726.00
Liberty St	7th St	6th St	363	28.0	10,173	Asphalt over Concrete	2	$ 75,280.20
Liberty St	8th St	7th St	500	28.0	14,014	Asphalt over Concrete	2	$ 103,703.60
Macgregor Ct	Glenmoor Dr	End	198	37.0	7,323	Asphalt	2	$ 55,654.80
McConnoche Ct	Knowlton Dr	End	417	30.0	12,503	Asphalt	2	$ 95,022.80
Oregon St	8th St	7th St	490	28.0	13,716	Asphalt over Concrete	2	$ 101,498.40
Pember Cir	Kittridge Dr	Kittridge Dr	1,323	25.0	33,086	Asphalt	2	$ 251,453.60
Preston Ln	Chadwick Ln	End	439	25.0	10,983	Asphalt	2	$ 83,470.80
Preston Ln	Kittridge Dr	Chadwick Ln	265	25.0	6,625	Asphalt	2	$ 50,350.00
Ryan Ct	End	Ryan Ln	188	54.0	10,137	Asphalt	2	$ 77,041.20
Smalley Ct	Knowlton Dr	End	298	30.0	8,953	Asphalt	2	$ 68,042.80
Spaulding Ave	Knowlton Dr	Spaulding Ct	1,133	25.0	28,330	Asphalt	2	$ 215,308.00
Tartans Ct	Tartans Dr	End	330	30.0	9,911	Asphalt	2	$ 75,323.60
Westley Ln	Chadwick Ln	Huntley Rd	960	25.0	23,994	Asphalt	2	$ 182,354.40
5th St	Ryan Ln	Edwards Ave	894	28.0	25,025	Asphalt	1	$ 190,190.00
Chadwick Ct	Westley Ln	End	584	25.0	14,612	Asphalt	1	$ 111,051.20
Huntley Rd	Hamilton Dr	Tartan Dr	964	26.0	25,052	Asphalt	0	$ -

Street #	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
1st St	Hawley Ave	Browning St	312	28.0	8,744	Asphalt over Concrete	3	$ 40,222.40
1st St	Garrison Ave	Hawley Ave	74	28.0	2,086	Asphalt over Concrete	7	$ 104.30
1st St	Edwards Ave	Edwards St	41	28.0	1,148	Asphalt over Concrete	6	$ 183.68
1st St	South St	Liberty St	362	28.0	10,140	Asphalt over Concrete	3	$ 46,644.00
1st St	Maiden Ln	South St	330	28.0	9,241	Asphalt over Concrete	3	$ 42,508.60
1st St	1st St	Washington St	242	13.0	3,142	Asphalt over Concrete	3	$ 14,453.20
1st St	Main St	1st St	225	13.0	2,924	Asphalt over Concrete	3	$ 13,450.40
1st St	Oregon St	Main St	370	38.0	14,043	Asphalt over Concrete	4	$ 54,065.55
1st St	Dunning Ave	Fay Ave	110	28.0	3,074	Asphalt over Concrete	6	$ 491.84
1st St	Riverside Ave	Garrison Ave	240	28.0	6,721	Asphalt over Concrete	7	$ 336.05
1st St	Fox Ave	Dunning Ave	206	27.0	5,570	Asphalt over Concrete	6	$ 891.20
1st St	Fay Ave	Riverside Ave	314	28.0	8,786	Asphalt over Concrete	3	$ 40,415.60
1st St	Liberty St	Oregon St	363	28.0	10,161	Asphalt over Concrete	4	$ 39,119.85
1st St	Short Ave	Fox Ave	211	27.0	5,707	Asphalt over Concrete	4	$ 21,971.95
1st St	Browning St	Edwards Ave	273	28.0	7,650	Asphalt over Concrete	6	$ 1,224.00
1st St	Edwards St	Maiden Ln	291	28.0	8,157	Asphalt over Concrete	7	$ 407.85
2nd St	Washington St	Lincoln Ave	74	34.0	2,522	Asphalt over Concrete	4	$ 9,709.70
2nd St	Main St	Washington St	372	34.0	12,648	Asphalt over Concrete	6	$ 2,023.68
2nd St	Edwards Ave	South St	663	34.0	22,550	Asphalt over Concrete	3	$ 103,730.00
2nd St	Garrison Ave	Edwards Ave	659	34.0	22,408	Asphalt over Concrete	3	$ 103,076.80
2nd St	Dunning Ave	Garrison Ave	662	34.0	22,503	Asphalt over Concrete	3	$ 103,513.80
2nd St	South St	Liberty St	362	34.0	12,317	Asphalt over Concrete	6	$ 1,970.72
2nd St	Liberty St	Oregon St	363	34.0	12,337	Asphalt over Concrete	6	$ 1,973.92
2nd St	Oregon St	Main St	370	37.0	13,685	Asphalt over Concrete	3	$ 62,951.00
3rd St	Main St	Washington St	373	28.0	10,431	Asphalt over Concrete	5	$ 4,902.57
3rd St	Garrison Ave	Edwards Ave	658	28.0	18,429	Asphalt over Concrete	4	$ 70,951.65
3rd St	Dunning Ave	Garrison Ave	660	28.0	18,483	Asphalt over Concrete	3	$ 85,021.80
3rd St	End	Dunning Ave	377	28.0	10,556	Asphalt over Concrete	2	$ 78,114.40
3rd St	Liberty St	Oregon St	363	28.0	10,174	Asphalt over Concrete	7	$ 508.70
3rd St	Oregon St	Main St	370	29.0	10,733	Asphalt over Concrete	5	$ 5,044.51
3rd St	South St	Liberty St	362	28.0	10,126	Asphalt over Concrete	7	$ 506.30
3rd St	Edwards Ave	South St	664	28.0	18,597	Asphalt over Concrete	6	$ 2,975.52
3rd St	Washington St	Lincoln Ave	305	28.0	8,550	Asphalt over Concrete	6	$ 1,368.00
4th St	Geneva St	Lincoln Ave	194	28.0	5,427	Asphalt over Concrete	3	$ 24,964.20
4th St	Liberty St	Oregon St	363	28.0	10,163	Asphalt over Concrete	5	$ 4,776.61
4th St	Washington St	Geneva St	361	28.0	10,109	Asphalt over Concrete	3	$ 46,501.40
4th St	South St	Liberty St	362	28.0	10,133	Asphalt over Concrete	2	$ 74,984.20

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
4th St	Oregon St	Main St	371	29.0	10,768	Asphalt over Concrete	5	$ 5,060.96
4th St	Main St	Washington St	372	28.0	10,417	Asphalt over Concrete	5	$ 4,895.99
5th St	Lisa Rd	South St	305	29.0	8,856	Asphalt	7	$ 442.80
5th St	Ryan Ln	Edwards Ave	894	28.0	25,025	Asphalt	1	$ 190,190.00
5th St	5th Street Ct	Lisa Rd	571	28.0	15,978	Asphalt	7	$ 798.90
5th St	Edwards Ave	5th Street Ct	368	28.0	10,309	Asphalt	7	$ 515.45
5th St	South St	Liberty St	364	28.0	10,195	Asphalt over Concrete	5	$ 4,791.65
5th St	Washington St	Geneva St	361	28.0	10,107	Asphalt over Concrete	3	$ 46,492.20
5th St	Liberty St	Oregon St	363	28.0	10,157	Asphalt over Concrete	6	$ 1,625.12
5th St	Geneva St	End	241	28.0	6,753	Asphalt over Concrete	5	$ 3,173.91
5th St	Main St	Washington St	372	28.0	10,403	Asphalt over Concrete	7	$ 520.15
5th St	Oregon St	Main St	372	28.0	10,429	Asphalt over Concrete	6	$ 1,668.64
5th Street Ct	5th St	End	179	48.0	8,603	Asphalt	2	$ 65,382.80
6th St	Kane St	Hillcrest Ct	388	28.0	10,878	Asphalt over Concrete	4	$ 41,880.30
6th St	Hillcrest Ct	Village Limit	476	24.0	11,427	Asphalt over Concrete	3	$ 52,564.20
6th St	Washington St	Geneva St	362	28.0	10,128	Asphalt over Concrete	4	$ 38,992.80
6th St	Main St	Washington St	369	28.0	10,344	Asphalt over Concrete	3	$ 47,582.40
6th St	Liberty St	Oregon St	362	28.0	10,143	Asphalt over Concrete	3	$ 46,657.80
6th St	Oregon St	Main St	374	28.0	10,478	Asphalt over Concrete	4	$ 40,340.30
6th St	Geneva St	Kane St	362	28.0	10,140	Asphalt over Concrete	6	$ 1,622.40
6th St	South St	Liberty St	362	28.0	10,143	Asphalt over Concrete	3	$ 46,657.80
7th Blvd	Edwards Ave	Lisa Rd	961	32.0	30,754	Asphalt	9	$ -
7th Blvd	Ryan Ln	Edwards Ave	1,121	32.0	35,869	Asphalt	9	$ -
7th St	Main St	Washington St	366	28.0	10,259	Asphalt over Concrete	3	$ 47,191.40
7th St	Oregon St	Main St	377	28.0	10,553	Asphalt over Concrete	3	$ 48,543.80
7th St	Lisa Rd	South St	300	34.0	10,191	Asphalt	9	$ -
7th St	Washington St	Geneva St	362	28.0	10,150	Asphalt over Concrete	3	$ 46,690.00
7th St	Liberty St	Oregon St	362	28.0	10,129	Asphalt over Concrete	3	$ 46,593.40
7th St	Geneva St	Kane St	361	28.0	10,119	Asphalt over Concrete	4	$ 38,958.15
7th St	South St	Liberty St	363	28.0	10,154	Asphalt over Concrete	3	$ 46,708.40
A								
Acorn Ct	Maple Cir	Oak Dr	323	24.0	7,751	Asphalt	4	$ 27,206.01
Acorn Ct	End	Maple Cir	981	24.0	23,536	Asphalt	4	$ 82,611.36
Acorn Ct	Oak Dr	Maple Cir	596	27.0	16,086	Asphalt	4	$ 56,461.86
Acorn Ct	Maple Cir	Karen Dr	483	27.0	13,033	Asphalt	4	$ 45,745.83
Angle Tarn	Beacon St	8th St	693	36.0	24,937	Asphalt	2	$ 189,521.20
Angle Tarn	Fairhills Dr	Beacon St	194	25.0	4,840	Asphalt	3	$ 25,071.20
Angle Tarn	Summerwood	Autumn Hl	473	25.0	11,822	Asphalt	3	$ 61,237.96

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Angle Tarn	Spring Leaf	Fairhills Dr	311	25.0	7,776	Asphalt	4	$ 27,293.76
Angle Tarn	Spring Leaf	Fox Path	432	25.0	10,803	Asphalt	3	$ 55,959.54
Angle Tarn	Fox Path	Summerwood	839	25.0	20,979	Asphalt	2	$ 159,440.40
Angle Tarn	Autumn Hl	Wintercrag	478	25.0	11,941	Asphalt	3	$ 61,854.38
Angle Tarn	Wintercrag	Fairhills Dr	740	25.0	18,493	Asphalt	3	$ 95,793.74
Ash Dr	Walnut Dr	Grand Pointe Dr	447	27.0	12,062	Asphalt	4	$ 42,337.62
Autumn Hl	Angle Tarn	Chateau Bluff Ln	325	25.0	8,132	Asphalt	3	$ 42,123.76
B								
Barber Ct	Knowlton Dr	End	248	37.0	9,193	Asphalt	2	$ 69,866.80
Beacon St	Angle Tarn	Chateau Bluff Ln	636	28.0	17,813	Asphalt	4	$ 62,523.63
Binnie Rd	Village Limit	Village Limit	400	25.0	9,992	Asphalt	8	$ 499.60
Boncosky Rd	Fairhills Dr	Illinois Route 31	1,331	22.0	29,276	Concrete	9	$ -
Boncosky Rd	Village Limit	Fairhills Dr	919	22.0	20,213	Asphalt	8	$ 1,010.65
Bradford Ln	Straton Cir	Dartmouth Ln	368	24.0	8,840	Asphalt	5	$ 4,154.80
Bradford Ln	Dartmouth Ln	Carrington Dr	391	24.0	9,382	Asphalt	5	$ 4,409.54
Bradford Ln	Dartmouth Ln	Straton Cir	348	24.0	8,362	Asphalt	4	$ 29,350.62
Brewer Ct	End	Kittridge Dr	219	37.0	8,099	Asphalt	2	$ 61,552.40
Bristol Ct	Dartmouth Ln	End	155	55.0	8,524	Asphalt	5	$ 4,006.28
Browning St	1st St	View St	449	22.0	9,868	Asphalt over Concrete	3	$ 45,392.80
C								
Campbell St	Glenmoor Dr	End	344	30.0	10,335	Asphalt	10	$ -
Carrington Ct	Dartmouth Ln	End	188	55.0	10,339	Asphalt	7	$ 516.95
Carrington Dr	Village Limit	Huntington Blvd	1,578	50.0	78,900	Asphalt	4	$ 276,939.00
Carrington Dr	Connolly Ln	Connolly Ln	1,419	28.0	39,723	Asphalt	4	$ 139,427.73
Carrington Dr	Somerset Dr	Bradford Ln	301	24.0	7,230	Asphalt	4	$ 25,377.30
Carrington Dr	Huntington Blvd	Somerset Dr	1,141	24.0	27,383	Asphalt	4	$ 96,114.33
Carrington Dr	Connolly Ln	Wessex Dr	1,669	26.0	43,399	Asphalt	4	$ 152,330.49
Carrington Dr	Wessex Dr	Higgins Rd	514	35.0	17,984	Asphalt	5	$ 8,452.48
Carrington Dr	Bradford Ln	Connolly Ln	1,124	30.0	33,726	Asphalt	4	$ 118,378.26
Castle Rock Ct	Glenmoor Dr	End	154	37.0	5,694	Asphalt	3	$ 29,494.92
Cavalier Ct	End	Village Quarter Rd	593	34.0	20,156	Asphalt	6	$ 3,224.96
Chadwick Ct	Westley Ln	End	584	25.0	14,612	Asphalt	1	$ 111,051.20
Chadwick Ln	Preston Ln	Westley Ln	690	25.0	17,253	Asphalt	3	$ 89,370.54
Chateau Bluff Ln	Autumn Hl	Wintercrag	533	25.0	13,316	Asphalt	7	$ 665.80
Chateau Bluff Ln	Wintercrag	Beacon St	678	25.0	16,946	Asphalt	3	$ 87,780.28
Chatham Ln	End	Huntington Blvd	432	24.0	10,379	Asphalt	5	$ 4,878.13
Chatham Ln	Huntington Blvd	End	296	24.0	7,115	Asphalt	5	$ 3,344.05
Chesire Ct	Wessex Dr	End	621	24.0	14,906	Asphalt	4	$ 52,320.06

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Connolly Ln	Carrington Dr	Carrington Dr	2,149	24.0	51,587	Asphalt	5	$ 24,245.89
D								
Dartmouth Ln	Windham Pt	Bradford Ln	278	24.0	6,664	Asphalt	5	$ 3,132.08
Dartmouth Ln	Bradford Ln	Bristol Ct	594	24.0	14,258	Asphalt	5	$ 6,701.26
Dartmouth Ln	Bristol Ct	Windham Pt	585	24.0	14,052	Asphalt	5	$ 6,604.44
Dartmouth Ln	Somerset Dr	Carrington Ct	470	24.0	11,281	Asphalt	6	$ 1,804.96
Dartmouth Ln	Carrington Ct	Bradford Ln	284	24.0	6,805	Asphalt	5	$ 3,198.35
Dunning Ave	2nd St	1st St	359	27.0	9,707	Asphalt over Concrete	3	$ 44,652.20
Dunning Ave	Ryan Ln	3rd St	436	32.0	13,943	Asphalt	6	$ 2,230.88
Dunning Ave	3rd St	2nd St	366	30.0	10,984	Asphalt over Concrete	6	$ 1,757.44
E								
Edinburgh Ln	Tartans Dr	Lindsay Ln	1,820	25.0	45,491	Asphalt	9	$ -
Edwards Ave	Ryan Ln	3rd St	371	29.0	10,770	Asphalt over Concrete	3	$ 49,542.00
Edwards Ave	3rd St	2nd St	363	29.0	10,538	Asphalt over Concrete	3	$ 48,474.80
Edwards Ave	2nd St	1st St	357	29.0	10,367	Asphalt over Concrete	4	$ 39,912.95
Edwards Ave	Eichler Dr	7th Blvd	331	29.0	9,599	Asphalt	6	$ 1,535.84
Edwards Ave	Strom Dr	Eichler Dr	901	33.0	29,750	Asphalt	4	$ 104,422.50
Edwards Ave	7th Blvd	5th St	310	29.0	8,995	Asphalt	6	$ 1,439.20
Edwards Ave	5th St	Ryan Ln	697	29.0	20,227	Asphalt	3	$ 104,775.86
Edwards St	1st St	View St	449	22.0	9,873	Asphalt over Concrete	4	$ 38,011.05
Edwards St	View St	End	495	22.0	10,899	Asphalt	3	$ 56,456.82
Eichler Dr	Strom Dr	Edwards Ave	927	33.0	30,591	Asphalt	4	$ 107,374.41
Eichler Dr	Edwards Ave	8th St	1,022	33.0	33,729	Asphalt	3	$ 174,716.22
Exeter Ct	End	Wessex Dr	571	24.0	13,699	Asphalt	5	$ 6,438.53
F								
Fairhills Dr	Boncosky Rd	Angle Tarn	443	40.0	17,706	Concrete	7	$ 885.30
Fairhills Dr	Fox Path	Angle Tarn	475	25.0	11,875	Asphalt	3	$ 61,512.50
Fairhills Dr	Angle Tarn	Fox Path	999	25.0	24,986	Asphalt	3	$ 129,427.48
Fawn Hollow	Spring Leaf	End	243	25.0	6,066	Asphalt	3	$ 31,421.88
Fay Ave	1st St	End	382	22.0	8,410	Asphalt over Concrete	6	$ 1,345.60
Fox Ave	1st St	End	304	24.0	7,303	Asphalt over Concrete	7	$ 365.15
Fox Path	Millsfell	Fairhills Dr	861	25.0	21,518	Asphalt	3	$ 111,463.24
Fox Path	Angle Tarn	Misfell	346	25.0	8,658	Asphalt	5	$ 4,069.26
G								
Garrison Ave	3rd St	2nd St	365	27.0	9,849	Asphalt over Concrete	4	$ 37,918.65
Garrison Ave	2nd St	1st St	358	27.0	9,679	Asphalt over Concrete	3	$ 44,523.40
Geneva St	8th St	7th St	510	28.0	14,294	Asphalt over Concrete	6	$ 2,287.04
Geneva St	6th St	5th St	361	28.0	10,095	Asphalt over Concrete	4	$ 38,865.75

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Geneva St	7th St	6th St	362	28.0	10,129	Asphalt over Concrete	4	$ 38,996.65
Geneva St	5th St	4th St	361	28.0	10,097	Asphalt over Concrete	4	$ 38,873.45
Geneva St	4th St	Lincoln Ave	274	28.0	7,683	Asphalt over Concrete	4	$ 29,579.55
Glenmoor Dr	Green Castle Ct	Tartans Dr	503	34.0	17,093	Asphalt	2	$ 129,906.80
Glenmoor Dr	Grant Ave	Macgregor Ct	914	34.0	31,091	Asphalt	2	$ 236,291.60
Glenmoor Dr	Sleepy Hollow Rd	Prestwick Ct	188	34.0	6,398	Asphalt	3	$ 33,141.64
Glenmoor Dr	NoName	Green Castle Ct	183	34.0	6,239	Asphalt	2	$ 47,416.40
Glenmoor Dr	Malcolm Ln	Grant Ave	192	34.0	6,524	Asphalt	2	$ 49,582.40
Glenmoor Dr	Campbell St	NoName	137	34.0	4,666	Asphalt	3	$ 24,169.88
Glenmoor Dr	Prestwick Ct	Castle Rock Ct	129	34.0	4,402	Asphalt	3	$ 22,802.36
Glenmoor Dr	Macgregor Ct	Stewart Ln	131	34.0	4,451	Asphalt	2	$ 33,827.60
Glenmoor Dr	Castle Rock Ct	Malcolm Ln	201	34.0	6,842	Asphalt	3	$ 35,441.56
Glenmoor Dr	Stewart Ln	Campbell St	448	34.0	15,234	Asphalt	3	$ 78,912.12
Grand Pointe Dr	Oak Dr	Ash Dr	534	48.0	25,625	Asphalt	4	$ 89,943.75
Grand Pointe Dr	Walnut Dr	Huntley Rd	281	38.0	10,684	Asphalt	4	$ 37,500.84
Grand Pointe Dr	Ash Dr	Walnut Dr	498	48.0	23,906	Asphalt	4	$ 83,910.06
Grant Ave	Glenmoor Dr	Knowlton Dr	314	25.0	7,853	Asphalt	2	$ 59,682.80
Green Castle Ct	Glenmoor Dr	End	337	30.0	10,108	Asphalt	10	$ -
H								
Hamilton Dr	End	Village Limit	622	28.0	17,425	Asphalt	2	$ 132,430.00
Hawley Ave	1st St	View St	448	22.0	9,865	Asphalt over Concrete	3	$ 45,379.00
Highland Ave	Hillcrest Ct	Village Limit	404	28.0	11,304	Asphalt over Concrete	6	$ 1,808.64
Highland Ave	Kane St	Hillcrest Ct	350	28.0	9,814	Asphalt over Concrete	7	$ 490.70
Hillcrest Ct	Highland Ave	6th St	529	20.0	10,579	Asphalt over Concrete	2	$ 78,284.60
Huntington Blvd	Chatham Ln	Carrington Dr	1,213	24.0	29,113	Asphalt	5	$ 13,683.11
Huntley Rd	Harbor Dr	Tay River Dr	512	32.0	16,399	Asphalt	10	$ -
Huntley Rd	Sleepy Hollow Rd	Westley Ln	1,535	30.0	46,041	Asphalt	10	$ -
Huntley Rd	Tay River Dr	Elm Ave	775	60.0	46,521	Asphalt	10	$ -
Huntley Rd	Westley Ln	Hamilton Dr	651	26.0	16,922	Asphalt	10	$ -
Huntley Rd	Hamilton Dr	Tartan Dr	964	26.0	25,052	Asphalt	0	$ -
Huntley Rd	Tartan Dr	Harbor Dr	1,089	32.0	34,852	Asphalt	10	$ -
I								
J								
K								
Kane St	Highland Ave	7th St	283	28.0	7,928	Asphalt over Concrete	6	$ 1,268.48
Kane St	7th St	6th St	358	28.0	10,034	Asphalt over Concrete	6	$ 1,605.44
Kane St	8th St	Highland Ave	418	28.0	11,701	Asphalt over Concrete	4	$ 45,048.85
Karen Dr	Grand Pointe Dr	Acorn Ct	455	27.0	12,293	Asphalt	4	$ 43,148.43

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Karen Dr	Oak Dr	Acorn Ct	1,542	27.0	41,645	Asphalt	4	$ 146,173.95
Kittridge Dr	Brewer Ct	Tristram Ct	127	34.0	4,318	Asphalt	8	$ 215.90
Kittridge Dr	Spaulding Ave	Pember Cir	380	34.0	12,914	Asphalt	9	$ -
Kittridge Dr	Knowlton Dr	Spaulding Ave	552	34.0	18,763	Asphalt	8	$ 938.15
Kittridge Dr	Tristram Ct	Pember Cir	210	34.0	7,130	Asphalt	9	$ -
Kittridge Dr	Thatcher Trl	Brewer Ct	153	34.0	5,187	Asphalt	8	$ 259.35
Kittridge Dr	Preston Ln	Knowlton Dr	342	34.0	11,612	Asphalt	8	$ 580.60
Kittridge Dr	Pember Cir	Tartan Dr	349	34.0	11,859	Asphalt	9	$ -
Kittridge Dr	Pember Cir	Thatcher Trl	260	34.0	8,834	Asphalt	8	$ 441.70
Kittridge Dr	Village Limit	Preston Ln	453	34.0	15,387	Asphalt	9	$ -
Knowlton Dr	Grant Ave	Smalley Ct	729	25.0	18,222	Asphalt	2	$ 138,487.20
Knowlton Dr	Grant Ave	McConnoche Ct	163	25.0	4,072	Asphalt	2	$ 30,947.20
Knowlton Dr	Smalley Ct	Barber Ct	395	25.0	9,883	Asphalt	2	$ 75,110.80
Knowlton Dr	Barber Ct	Kittridge Dr	279	25.0	6,968	Asphalt	2	$ 52,956.80
Knowlton Dr	McConnoche Ct	Spaulding Ave	535	25.0	13,385	Asphalt	2	$ 101,726.00
L								
Liberty St	7th St	6th St	363	28.0	10,173	Asphalt over Concrete	2	$ 75,280.20
Liberty St	2nd St	1st St	359	28.0	10,039	Asphalt over Concrete	4	$ 38,650.15
Liberty St	6th St	5th St	359	28.0	10,056	Asphalt over Concrete	3	$ 46,257.60
Liberty St	5th St	4th St	359	28.0	10,060	Asphalt over Concrete	3	$ 46,276.00
Liberty St	1st St	End	293	28.0	8,197	Asphalt	3	$ 42,460.46
Liberty St	3rd St	2nd St	360	28.0	10,083	Asphalt over Concrete	3	$ 46,381.80
Liberty St	4th St	3rd St	365	28.0	10,228	Asphalt over Concrete	3	$ 47,048.80
Liberty St	8th St	7th St	500	28.0	14,014	Asphalt over Concrete	2	$ 103,703.60
Lincoln Ave	Geneva St	3rd St	102	22.0	2,250	Asphalt over Concrete	5	$ 1,057.50
Lincoln Ave	Village Limit	4th St	1,413	23.0	32,497	Asphalt over Concrete	5	$ 15,273.59
Lincoln Ave	4th St	Geneva St	336	22.0	7,393	Asphalt over Concrete	6	$ 1,182.88
Lincoln Ave	3rd St	2nd St	427	22.0	9,399	Asphalt over Concrete	5	$ 4,417.53
Lindsay Ct	Lindsay Ln	End	170	37.0	6,300	Asphalt	9	$ -
Lindsay Ln	Edinburgh Ln	End	117	25.0	2,932	Asphalt	9	$ -
Lindsay Ln	Tartans Dr	Lindsay Ct	718	25.0	17,956	Asphalt	9	$ -
Lindsay Ln	Lindsay Ct	Edinburgh Ln	433	25.0	10,829	Asphalt	9	$ -
Lisa Rd	8th St	7th St	526	25.0	13,163	Asphalt	4	$ 46,202.13
Lisa Rd	7th Blvd	5th St	739	25.0	18,471	Asphalt	4	$ 64,833.21
M								
Macgregor Ct	Glenmoor Dr	End	198	37.0	7,323	Asphalt	2	$ 55,654.80
Maiden Ln	1st St	End	407	22.0	8,965	Asphalt over Concrete	3	$ 41,239.00
Malcolm Ln	End	Stewart Ln	132	25.0	3,309	Asphalt	5	$ 1,555.23

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Malcolm Ln	Stewart Ln	Glenmoor Dr	347	25.0	8,680	Asphalt	5	$ 4,079.60
Maple Cir	Acorn Ct	Oak Dr	675	24.0	16,191	Asphalt	4	$ 56,830.41
Maple Cir	Oak Dr	Acorn Ct	894	27.0	24,145	Asphalt	4	$ 84,748.95
Market Loop	Willow Ln	Roundabout	498	33.0	16,423	Asphalt	5	$ 7,718.81
Market Loop	Roundabout	Village Quarter Rd	717	33.0	23,647	Asphalt	5	$ 11,114.09
Market Loop	Beacon St	Willow Ln	1,028	22.0	22,617	Asphalt	3	$ 117,156.06
McConnoche Ct	Knowlton Dr	End	417	30.0	12,503	Asphalt	2	$ 95,022.80
Millsfell	Fox Path	End	262	25.0	6,548	Asphalt	5	$ 3,077.56
N								
NoName	End	Glenmoor Dr	155	25.0	3,881	Asphalt	3	$ 20,103.58
O								
Oak Dr	Maple Cir	Karen Dr	492	38.0	18,681	Asphalt	4	$ 65,570.31
Oak Dr	Karen Dr	Sleepy Hollow Rd	349	38.0	13,246	Asphalt	5	$ 6,225.62
Oak Dr	Walnut Dr	Grand Pointe Dr	938	38.0	35,627	Asphalt	4	$ 125,050.77
Oak Dr	Acorn Ct	Maple Cir	505	38.0	19,196	Asphalt	4	$ 67,377.96
Oak Dr	End	Walnut Dr	190	38.0	7,215	Asphalt	6	$ 1,154.40
Oak Dr	Grand Pointe Dr	Acorn Ct	378	38.0	14,373	Asphalt	4	$ 50,449.23
Oregon St	1st St	End	267	28.0	7,489	Asphalt over Concrete	5	$ 3,519.83
Oregon St	8th St	7th St	490	28.0	13,716	Asphalt over Concrete	2	$ 101,498.40
Oregon St	7th St	6th St	363	28.0	10,162	Asphalt over Concrete	3	$ 46,745.20
Oregon St	2nd St	1st St	360	28.0	10,094	Asphalt over Concrete	4	$ 38,861.90
Oregon St	6th St	5th St	359	28.0	10,065	Asphalt over Concrete	4	$ 38,750.25
Oregon St	5th St	4th St	360	28.0	10,069	Asphalt over Concrete	5	$ 4,732.43
Oregon St	4th St	3rd St	362	28.0	10,146	Asphalt over Concrete	5	$ 4,768.62
Oregon St	3rd St	2nd St	361	28.0	10,110	Asphalt over Concrete	6	$ 1,617.60
P								
Pember Cir	Kittridge Dr	Thatcher Trl	707	25.0	17,679	Asphalt	3	$ 91,577.22
Pember Cir	Kittridge Dr	Kittridge Dr	1,323	25.0	33,086	Asphalt	2	$ 251,453.60
Preston Ln	Chadwick Ln	End	439	25.0	10,983	Asphalt	2	$ 83,470.80
Preston Ln	Kittridge Dr	Chadwick Ln	265	25.0	6,625	Asphalt	2	$ 50,350.00
Prestwick Ct	End	Glenmoor Dr	195	37.0	7,212	Asphalt	3	$ 37,358.16
Q								
R								
Riverside Ave	1st St	End	482	22.0	10,608	Asphalt over Concrete	3	$ 48,796.80
Roundabout	End	Market Loop	408	33.0	13,479	Asphalt	4	$ 47,311.29
Royal Ln	Village Quarter Rd	8th St	1,285	28.0	35,982	Asphalt	5	$ 16,911.54
Ryan Ct	End	Ryan Ln	188	54.0	10,137	Asphalt	2	$ 77,041.20
Ryan Ln	Ryan Ct	Edwards Ave	426	28.0	11,925	Asphalt	3	$ 61,771.50

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Ryan Ln	5th St	Ryan Ct	583	28.0	16,320	Asphalt	3	$ 84,537.60
Ryan Ln	7th Blvd	5th St	309	28.0	8,647	Asphalt	3	$ 44,791.46
S								
Short Ave	End	1st St	374	27.0	10,088	Asphalt	6	$ 1,614.08
Sleepy Hollow Rd	Village Limit	Oak Dr	212	33.0	6,984	Asphalt	6	$ 1,117.44
Sleepy Hollow Rd	Oak Dr	Huntley Rd	1,239	29.0	35,929	Asphalt	3	$ 186,112.22
Sleepy Hollow Rd	Higgins Rd	Glenmoor Dr	386	36.0	13,885	Asphalt	6	$ 2,221.60
Sleepy Hollow Rd	Kittridge Dr	Village Limit	633	33.0	20,904	Asphalt	6	$ 3,344.64
Sleepy Hollow Rd	Glenmoor Dr	Kittridge Dr	1,718	29.0	49,827	Asphalt	6	$ 7,972.32
Smalley Ct	Knowlton Dr	End	298	30.0	8,953	Asphalt	2	$ 68,042.80
Somerset Dr	Dartmouth Ln	Carrington Dr	1,204	24.0	28,895	Asphalt	5	$ 13,580.65
Somerset Dr	End	Dartmouth Ln	408	24.0	9,803	Asphalt	5	$ 4,607.41
South St	3rd St	2nd St	361	28.0	10,115	Asphalt over Concrete	3	$ 46,529.00
South St	2nd St	1st St	357	28.0	10,001	Asphalt over Concrete	3	$ 46,004.60
South St	8th St	7th St	515	28.0	14,419	Asphalt over Concrete	6	$ 2,307.04
South St	5th St	4th St	351	28.0	9,840	Asphalt over Concrete	3	$ 45,264.00
South St	7th St	6th St	361	28.0	10,112	Asphalt over Concrete	3	$ 46,515.20
South St	6th St	5th St	373	28.0	10,437	Asphalt over Concrete	3	$ 48,010.20
South St	1st St	End	542	28.0	15,190	Asphalt over Concrete	3	$ 69,874.00
South St	4th St	3rd St	358	28.0	10,038	Asphalt over Concrete	3	$ 46,174.80
Spaulding Ave	Knowlton Dr	Kittridge Dr	564	25.0	14,108	Asphalt	3	$ 73,079.44
Spaulding Ave	Spaulding Ct	Tartan Dr	352	25.0	8,801	Asphalt	3	$ 45,589.18
Spaulding Ave	Knowlton Dr	Spaulding Ct	1,133	25.0	28,330	Asphalt	2	$ 215,308.00
Spaulding Ct	End	Spaulding Ave	233	37.0	8,613	Asphalt	10	$ -
Spring Leaf	Fawn Hollow	End	327	35.0	11,436	Asphalt	3	$ 59,238.48
Spring Leaf	Angle Tarn	Fawn Hollow	337	25.0	8,434	Asphalt	4	$ 29,603.34
Spruce Dr	Walnut Dr	Walnut Dr	475	27.0	12,823	Asphalt	4	$ 45,008.73
Stewart Ln	Malcolm Ln	Glenmoor Dr	1,139	25.0	28,463	Asphalt	6	$ 4,554.08
Straton Cir	Bradford Ln	End	258	48.0	12,371	Asphalt	5	$ 5,814.37
Strom Dr	Eichler Dr	7th Blvd	726	34.0	24,678	Asphalt over Concrete	5	$ 11,598.66
Strom Dr	Edwards Ave	Eichler Dr	447	34.0	15,199	Asphalt	6	$ 2,431.84
Strom Dr	8th St	Edwards Ave	1,160	34.0	39,448	Asphalt	6	$ 6,311.68
Summerwood	Angle Tarn	End	360	25.0	8,993	Asphalt	3	$ 46,583.74
T								
Tartan Dr	Kittridge Dr	Waterbury Ct	255	34.0	8,673	Asphalt	5	$ 4,076.31
Tartan Dr	Spaulding Ave	Kittridge Dr	272	34.0	9,263	Asphalt	5	$ 4,353.61
Tartan Dr	Glenmoor Dr	Spaulding Ave	827	34.0	28,117	Asphalt	5	$ 13,214.99
Tartan Dr	Waterbury Ct	Village Limit	195	45.0	8,771	Asphalt	5	$ 4,122.37

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Tartan Dr	Village Limit	Huntley Rd	45	45.0	2,036	Asphalt	5	$ 956.92
Tartans Ct	Tartans Dr	End	330	30.0	9,911	Asphalt	2	$ 75,323.60
Tartans Dr	Edinburgh Ln	Lindsay Ln	394	34.0	13,390	Asphalt	6	$ 2,142.40
Tartans Dr	Higgins Rd	Tartans Ct	189	34.0	6,411	Asphalt	6	$ 1,025.76
Tartans Dr	Tartans Ct	Edinburgh Ln	214	34.0	7,270	Asphalt	6	$ 1,163.20
Tartans Dr	Lindsay Ln	Glenmoor Dr	923	34.0	31,372	Asphalt	5	$ 14,744.84
Thatcher Trl	Pember Cir	End	302	25.0	7,555	Asphalt	4	$ 26,518.05
Thatcher Trl	Kittridge Dr	Pember Cir	718	25.0	17,954	Asphalt	4	$ 63,018.54
Tristram Ct	Kittridge Dr	End	290	30.0	8,691	Asphalt	3	$ 45,019.38
V								
View St	Browning St	Edwards St	312	22.0	6,855	Asphalt over Concrete	4	$ 26,391.75
View St	Hawley Ave	Browning St	316	22.0	6,946	Asphalt over Concrete	4	$ 26,742.10
Village Quarter Rd	Market Loop	8th St	339	42.0	14,231	Asphalt	3	$ 73,716.58
Village Quarter Rd	Cavalier Ct	Royal Ln	415	34.0	14,096	Asphalt	4	$ 49,476.96
Village Quarter Rd	Royal Ln	Main St	815	34.0	27,705	Asphalt	4	$ 97,244.55
Village Quarter Rd	Cavalier Ct	Market Loop	1,283	34.0	43,638	Asphalt	4	$ 153,169.38
W								
Walnut Dr	Spruce Dr	Spruce Dr	716	27.0	19,333	Asphalt	4	$ 67,858.83
Walnut Dr	Spruce Dr	Grand Pointe Dr	390	27.0	10,519	Asphalt	4	$ 36,921.69
Walnut Dr	Oak Dr	Ash Dr	1,151	27.0	31,076	Asphalt	4	$ 109,076.76
Walnut Dr	Ash Dr	Spruce Dr	341	27.0	9,206	Asphalt	4	$ 32,313.06
Washington St	2nd St	1st St	172	30.0	5,149	Asphalt over Concrete	4	$ 19,823.65
Washington St	6th St	5th St	360	28.0	10,085	Asphalt over Concrete	3	$ 46,391.00
Washington St	7th St	6th St	362	28.0	10,140	Asphalt over Concrete	3	$ 46,644.00
Washington St	5th St	4th St	360	28.0	10,088	Asphalt over Concrete	5	$ 4,741.36
Washington St	4th St	3rd St	361	28.0	10,099	Asphalt over Concrete	6	$ 1,615.84
Washington St	8th St	7th St	489	28.0	13,688	Asphalt over Concrete	4	$ 52,698.80
Washington St	3rd St	2nd St	359	35.0	12,570	Asphalt over Concrete	4	$ 48,394.50
Water Tower Rd	End	Elm Ave	275	33.0	9,075	Asphalt	4	$ 31,853.25
Waterbury Ct	End	Tartan Dr	230	37.0	8,511	Asphalt	3	$ 44,086.98
Wesemann Dr	Village Limit	Wesemann Dr	2,018	37.0	74,662	Asphalt	5	$ 35,091.14
Wesemann Dr	Wesemann Dr	End	993	37.0	36,758	Asphalt	5	$ 17,276.26
Wessex Dr	Chesire Ct	Carrington Dr	1,078	24.0	25,868	Asphalt	5	$ 12,157.96
Wessex Dr	Winton Ct	Chesire Ct	575	24.0	13,795	Asphalt	6	$ 2,207.20
Wessex Dr	Wessex Dr	Winton Ct	391	24.0	9,376	Asphalt	5	$ 4,406.72
Wessex Dr	Wessex Dr	Higgins Rd	330	30.0	9,903	Asphalt	6	$ 1,584.48
Westley Ln	Chadwick Ln	Huntley Rd	960	25.0	23,994	Asphalt	2	$ 182,354.40
Willow Ln	Village Limit	Market Loop	320	32.0	10,240	Asphalt	3	$ 53,043.20

Street	From	To	Length (FT)	Width (FT)	Area (SQ FT)	Pavement Type	PASER	2020 Cost
Willow Ln	Market Loop	Market Loop	215	32.0	6,866	Asphalt	4	$ 24,099.66
Willow Ln	Market Loop	8th St	308	40.0	12,321	Asphalt	4	$ 43,246.71
Windham Pt	Dartmouth Ln	End	244	50.0	12,199	Asphalt	5	$ 5,733.53
Wintercrag	Angle Tarn	Chateau Bluff Ln	400	25.0	10,003	Asphalt	3	$ 51,815.54
Winton Ct	End	Wessex Dr	177	55.0	9,736	Asphalt	6	$ 1,557.76

Recommended 5-Year Improvement Plan ($1M Budget)

Street	From	To	Width (FT)	Length (FT)	Area (SQ FT)	Pavement Type	PASER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
1st St	1st St	Washington St	13	242	3,142	Asphalt over Concrete	3	$ 14,453.20	$ -	$ -	$ -	$ -
1st St	Main St	1st St	13	225	2,924	Asphalt over Concrete	3	$ 13,450.40	$ -	$ -	$ -	$ -
Castle Rock Ct	Glenmoor Dr	End	37	154	5,694	Asphalt	3	$ 29,494.92	$ -	$ -	$ -	$ -
Glenmoor Dr	Macgregor Ct	Stewart Ln	34	131	4,451	Asphalt	2	$ 33,827.60	$ -	$ -	$ -	$ -
Glenmoor Dr	Grant Ave	Macgregor Ct	34	914	31,091	Asphalt	2	$ 236,291.60	$ -	$ -	$ -	$ -
Glenmoor Dr	Sleepy Hollow Rd	Prestwick Ct	34	188	6,398	Asphalt	3	$ 33,141.64	$ -	$ -	$ -	$ -
Glenmoor Dr	Prestwick Ct	Castle Rock Ct	34	129	4,402	Asphalt	3	$ 22,802.36	$ -	$ -	$ -	$ -
Glenmoor Dr	Castle Rock Ct	Malcolm Ln	34	201	6,842	Asphalt	3	$ 35,441.56	$ -	$ -	$ -	$ -
Glenmoor Dr	Stewart Ln	Campbell St	34	448	15,234	Asphalt	3	$ 78,912.12	$ -	$ -	$ -	$ -
Glenmoor Dr	Campbell St	NoName	34	137	4,666	Asphalt	3	$ 24,169.88	$ -	$ -	$ -	$ -
Glenmoor Dr	Green Castle Ct	Tartans Dr	34	503	17,093	Asphalt	2	$ 129,906.80	$ -	$ -	$ -	$ -
Glenmoor Dr	Malcolm Ln	Grant Ave	34	192	6,524	Asphalt	2	$ 49,582.40	$ -	$ -	$ -	$ -
Glenmoor Dr	NoName	Green Castle Ct	34	183	6,239	Asphalt	2	$ 47,416.40	$ -	$ -	$ -	$ -
Macgregor Ct	Glenmoor Dr	End	37	198	7,323	Asphalt	2	$ 55,654.80	$ -	$ -	$ -	$ -
Prestwick Ct	End	Glenmoor Dr	37	195	7,212	Asphalt	3	$ 37,358.16	$ -	$ -	$ -	$ -
Tartans Ct	Tartans Dr	End	30	330	9,911	Asphalt	2	$ 75,323.60	$ -	$ -	$ -	$ -
Washington St	3rd St	2nd St	35	359	12,570	Asphalt over Concrete	4	$ 48,394.50	$ -	$ -	$ -	$ -
Washington St	2nd St	1st St	30	172	5,149	Asphalt over Concrete	4	$ 19,823.65	$ -	$ -	$ -	$ -
2nd St	Garrison Ave	Edwards Ave	34	659	22,408	Asphalt over Concrete	3	$ -	$ 107,612.18	$ -	$ -	$ -
3rd St	Garrison Ave	Edwards Ave	28	658	18,429	Asphalt over Concrete	4	$ -	$ 74,073.52	$ -	$ -	$ -
4th St	Geneva St	Lincoln Ave	28	194	5,427	Asphalt over Concrete	3	$ -	$ 26,062.62	$ -	$ -	$ -
4th St	Washington St	Geneva St	28	361	10,109	Asphalt over Concrete	3	$ -	$ 48,547.46	$ -	$ -	$ -
6th St	Washington St	Geneva St	28	362	10,128	Asphalt over Concrete	4	$ -	$ 40,708.48	$ -	$ -	$ -
7th St	Geneva St	Kane St	28	361	10,119	Asphalt over Concrete	4	$ -	$ 40,672.31	$ -	$ -	$ -
Barber Ct	Knowlton Dr	End	37	248	9,193	Asphalt	2	$ -	$ 72,940.94	$ -	$ -	$ -
Edwards Ave	3rd St	2nd St	29	363	10,538	Asphalt over Concrete	3	$ -	$ 50,607.69	$ -	$ -	$ -
Edwards Ave	2nd St	1st St	29	357	10,367	Asphalt over Concrete	4	$ -	$ 41,669.12	$ -	$ -	$ -
Garrison Ave	3rd St	2nd St	27	365	9,849	Asphalt over Concrete	4	$ -	$ 39,587.07	$ -	$ -	$ -
Garrison Ave	2nd St	1st St	27	358	9,679	Asphalt over Concrete	3	$ -	$ 46,482.43	$ -	$ -	$ -
Geneva St	5th St	4th St	28	361	10,097	Asphalt over Concrete	4	$ -	$ 40,583.88	$ -	$ -	$ -
Geneva St	4th St	Lincoln Ave	28	274	7,683	Asphalt over Concrete	4	$ -	$ 30,881.05	$ -	$ -	$ -
Geneva St	7th St	6th St	28	362	10,129	Asphalt over Concrete	4	$ -	$ 40,712.50	$ -	$ -	$ -
Geneva St	6th St	5th St	28	361	10,095	Asphalt over Concrete	4	$ -	$ 40,575.84	$ -	$ -	$ -
Grant Ave	Glenmoor Dr	Knowlton Dr	25	314	7,853	Asphalt	2	$ -	$ 62,308.84	$ -	$ -	$ -
Pember Cir	Kittridge Dr	Thatcher Trl	25	707	17,679	Asphalt	3	$ -	$ 95,606.62	$ -	$ -	$ -
Ryan Ct	End	Ryan Ln	54	188	10,137	Asphalt	2	$ -	$ 80,431.01	$ -	$ -	$ -
Thatcher Trl	Kittridge Dr	Pember Cir	25	718	17,954	Asphalt	4	$ -	$ 65,791.36	$ -	$ -	$ -
Thatcher Trl	Pember Cir	End	25	302	7,555	Asphalt	4	$ -	$ 27,684.84	$ -	$ -	$ -
3rd St	End	Dunning Ave	28	377	10,556	Asphalt over Concrete	2	$ -	$ -	$ 85,139.70	$ -	$ -
5th Street Ct	5th St	End	48	179	8,603	Asphalt	2	$ -	$ -	$ 71,263.07	$ -	$ -
Edwards Ave	Strom Dr	Eichler Dr	33	901	29,750	Asphalt	4	$ -	$ -	$ 113,813.84	$ -	$ -
Eichler Dr	Strom Dr	Edwards Ave	33	927	30,591	Asphalt	4	$ -	$ -	$ 117,031.23	$ -	$ -
Lisa Rd	8th St	7th St	25	526	13,163	Asphalt	4	$ -	$ -	$ 50,357.36	$ -	$ -
Lisa Rd	7th Blvd	5th St	25	739	18,471	Asphalt	4	$ -	$ -	$ 70,664.05	$ -	$ -
Village Quarter Rd	Market Loop	8th St	42	339	14,231	Asphalt	3	$ -	$ -	$ 80,346.35	$ -	$ -
Village Quarter Rd	Royal Ln	Main St	34	815	27,705	Asphalt	4	$ -	$ -	$ 105,990.34	$ -	$ -
Village Quarter Rd	Cavalier Ct	Royal Ln	34	415	14,096	Asphalt	4	$ -	$ -	$ 53,926.72	$ -	$ -
Village Quarter Rd	Cavalier Ct	Market Loop	34	1,283	43,638	Asphalt	4	$ -	$ -	$ 166,944.82	$ -	$ -
Water Tower Rd	End	Elm Ave	33	275	9,075	Asphalt	4	$ -	$ -	$ 34,718.00	$ -	$ -
6th St	Kane St	Hillcrest Ct	28	388	10,878	Asphalt over Concrete	4	$ -	$ -	$ -	$ 47,655.31	$ -
6th St	Hillcrest Ct	Village Limit	24	476	11,427	Asphalt over Concrete	3	$ -	$ -	$ -	$ 59,812.44	$ -
Browning St	1st St	View St	22	449	9,868	Asphalt over Concrete	3	$ -	$ -	$ -	$ 51,652.16	$ -
Edwards St	1st St	View St	22	449	9,873	Asphalt over Concrete	4	$ -	$ -	$ -	$ 43,252.51	$ -
Edwards St	View St	End	22	495	10,899	Asphalt	3	$ -	$ -	$ -	$ 64,241.83	$ -
Grand Pointe Dr	Oak Dr	Ash Dr	48	534	25,625	Asphalt	4	$ -	$ -	$ -	$ 102,346.38	$ -
Grand Pointe Dr	Walnut Dr	Huntley Rd	38	281	10,684	Asphalt	4	$ -	$ -	$ -	$ 42,671.95	$ -
Grand Pointe Dr	Ash Dr	Walnut Dr	48	498	23,906	Asphalt	4	$ -	$ -	$ -	$ 95,480.69	$ -

Recommended 5-Year Improvement Plan ($1M Budget)

Street	From	To	Width (FT)	Length (FT)	Area (SQ FT)	Pavement Type	PASER	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Hawley Ave	1st St	View St	22	448	9,865	Asphalt over Concrete	3	$ -	$ -	$ -	$ 51,636.45	$ -
Hillcrest Ct	Highland Ave	6th St	20	529	10,579	Asphalt over Concrete	2	$ -	$ -	$ -	$ 89,079.51	$ -
Oak Dr	Grand Pointe Dr	Acorn Ct	38	378	14,373	Asphalt	4	$ -	$ -	$ -	$ 57,405.83	$ -
Oak Dr	Maple Cir	Karen Dr	38	492	18,681	Asphalt	4	$ -	$ -	$ -	$ 74,612.01	$ -
Oak Dr	Karen Dr	Sleepy Hollow Rd	38	349	13,246	Asphalt	5	$ -	$ -	$ -	$ 7,084.09	$ -
Oak Dr	Acorn Ct	Maple Cir	38	505	19,196	Asphalt	4	$ -	$ -	$ -	$ 76,668.92	$ -
Riverside Ave	1st St	End	22	482	10,608	Asphalt over Concrete	3	$ -	$ -	$ -	$ 55,525.55	$ -
View St	Browning St	Edwards St	22	312	6,855	Asphalt over Concrete	4	$ -	$ -	$ -	$ 30,030.99	$ -
View St	Hawley Ave	Browning St	22	316	6,946	Asphalt over Concrete	4	$ -	$ -	$ -	$ 30,429.65	$ -
Carrington Dr	Connolly Ln	Wessex Dr	26	1,669	43,399	Asphalt	4	$ -	$ -	$ -	$ -	$ 180,962.60
Carrington Dr	Village Limit	Huntington Blvd	50	1,578	78,900	Asphalt	4	$ -	$ -	$ -	$ -	$ 328,992.59
Carrington Dr	Huntington Blvd	Somerset Dr	24	1,141	27,383	Asphalt	4	$ -	$ -	$ -	$ -	$ 114,180.03
Carrington Dr	Somerset Dr	Bradford Ln	24	301	7,230	Asphalt	4	$ -	$ -	$ -	$ -	$ 30,147.23
Carrington Dr	Bradford Ln	Connolly Ln	30	1,124	33,726	Asphalt	4	$ -	$ -	$ -	$ -	$ 140,628.70
Carrington Dr	Connolly Ln	Connolly Ln	28	1,419	39,723	Asphalt	4	$ -	$ -	$ -	$ -	$ 165,634.63
						ANNUAL ROADWAY SUBTOTAL		$ 985,445.59	$ 1,073,539.78	$ 950,195.49	$ 979,586.29	$ 960,545.78
						ANNUAL MAINTENANCE SUBTOTAL		$ 50,000.00	$ 50,001.00	$ 50,002.00	$ 50,003.00	$ 50,004.00
			$1M BUDGET			**ANNUAL TOTAL**		**$ 1,035,445.59**	**$ 1,123,540.78**	**$ 1,000,197.49**	**$ 1,029,589.29**	**$ 1,010,549.78**

5-YEAR PLAN TOTAL **$ 5,199,322.92**

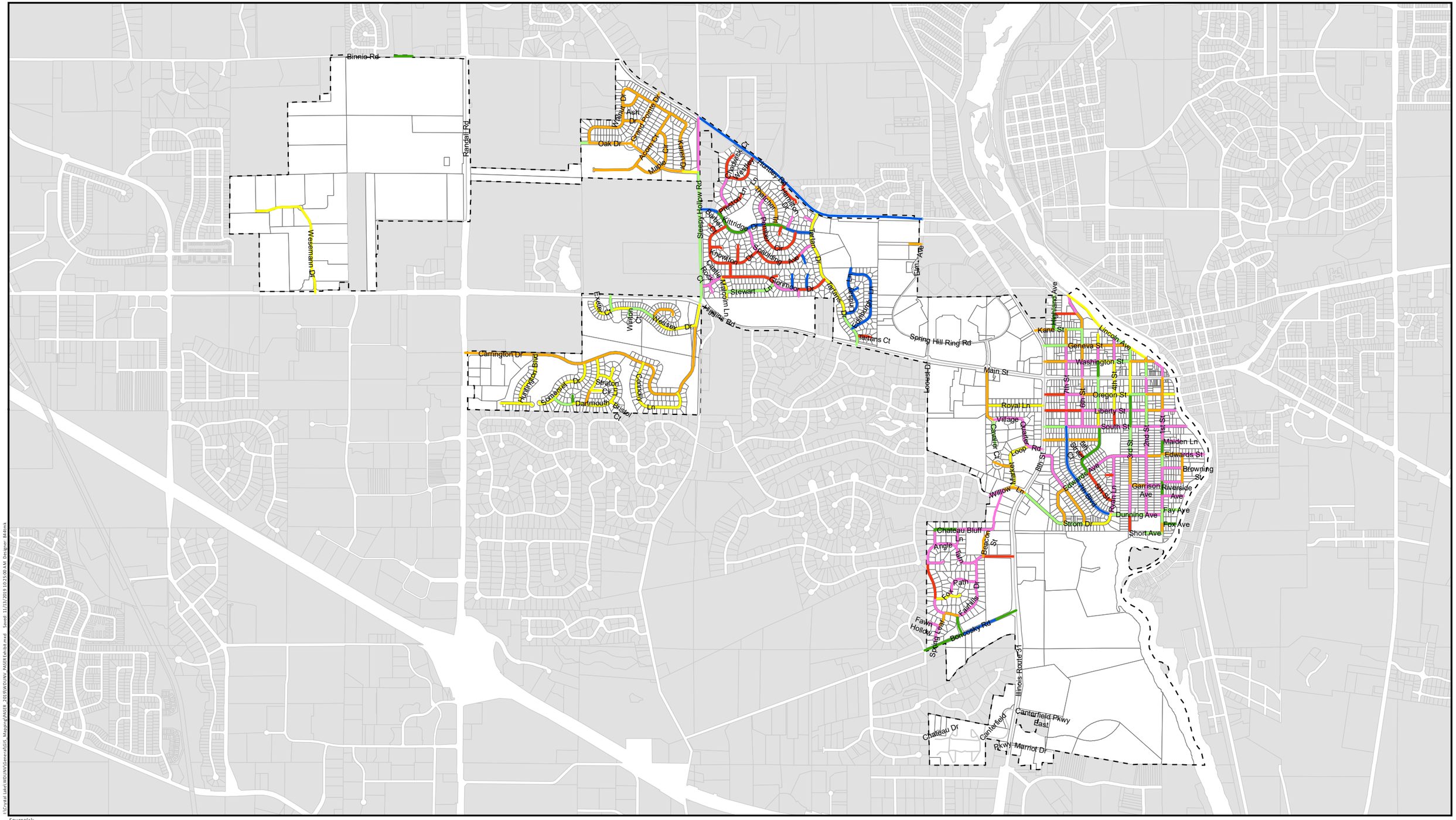
AVERAGE ANNUAL COST $ 1,039,864.58

EXHIBITS

BAXTER & WOODMAN
Consulting Engineers

2019 PAVEMENT MANAGEMENT REPORT

EXHIBIT 1 - PAVEMENT SURFACE EVALUATION AND RATING (PASER) MAP



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Source(s):

N

1 " = 2,000 '

0 1,000 2,000 4,000 Feet

Pavement Surface Evaluation and Rating (PASER)

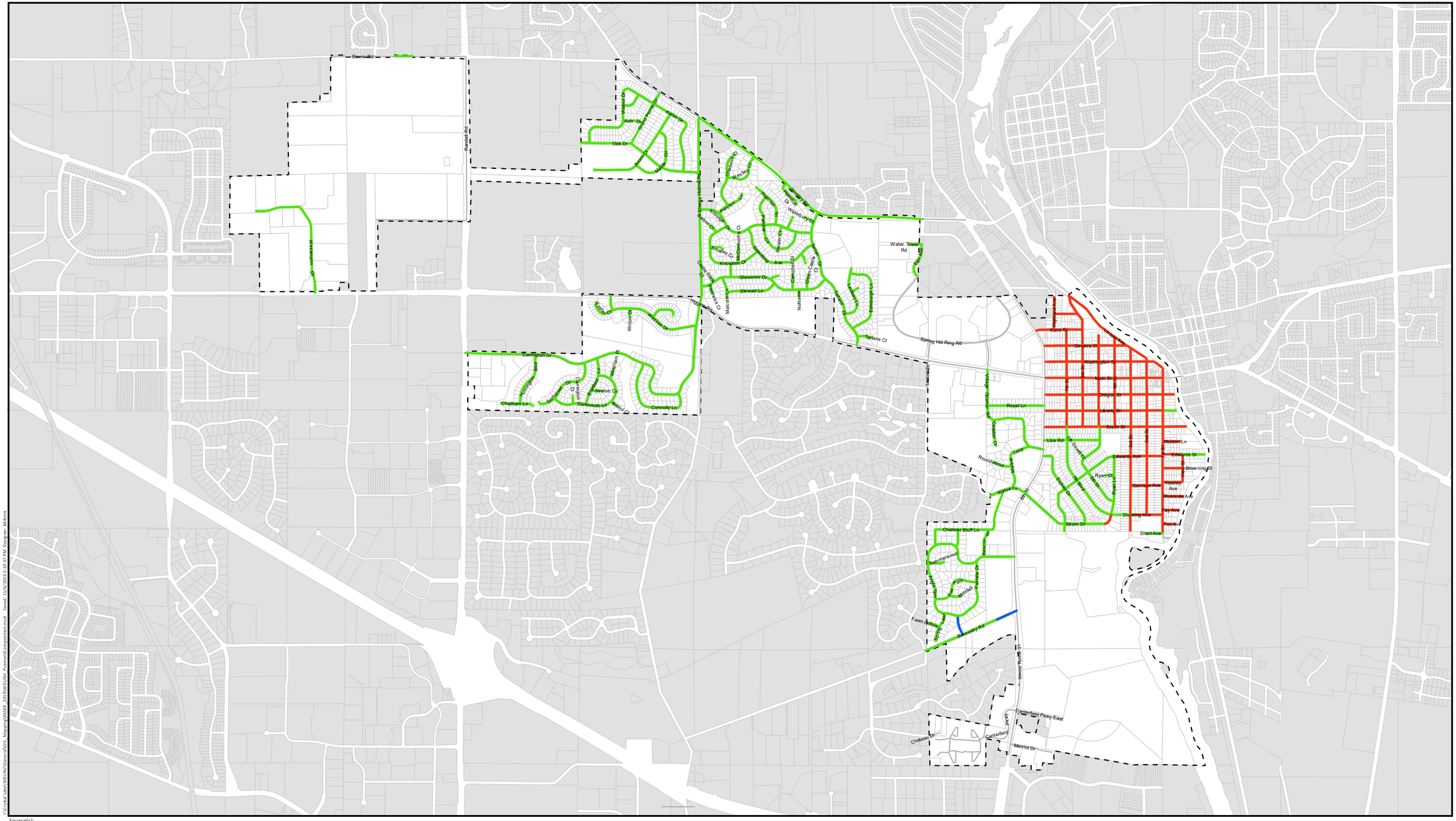
- 10 - 9 : Excellent
- 8 - 7 : Very Good
- 6 : Good
- 5 : Fair
- 4 : Fair
- 3 : Poor
- 2 - 1 : Very Poor - Failed
- Not Maintained by Village

BAXTER & WOODMAN Consulting Engineers

2019 PAVEMENT MANAGEMENT REPORT

Village of West Dundee, IL

EXHIBT 2 - PAVEMENT COMPOSITION MAP



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Source(s):

N

1 " = 2,000 '

0 1,000 2,000 4,000 Feet

Pavement Composition

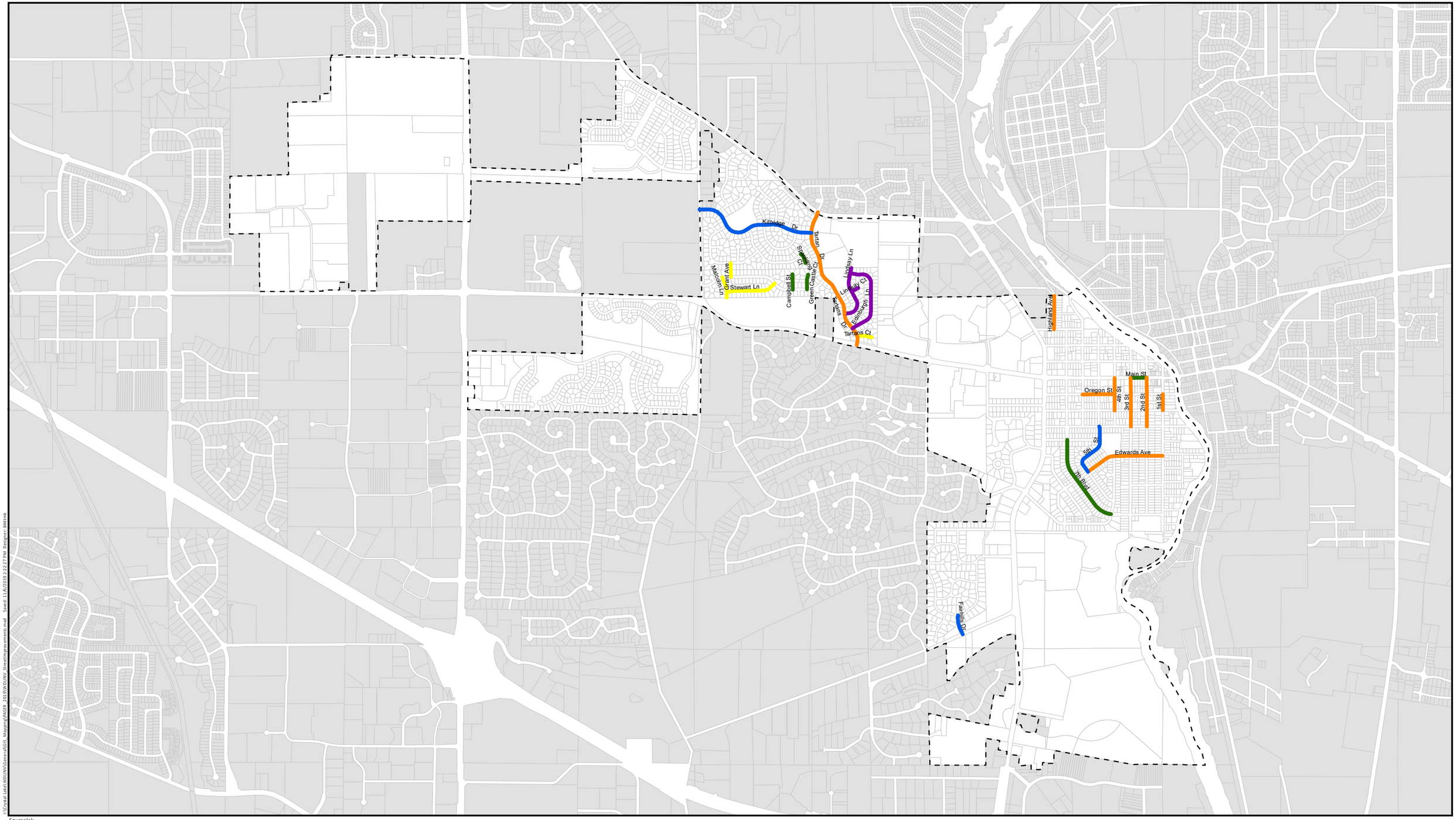
- Asphalt
- Asphalt over Concrete
- Concrete

BAXTER & WOODMAN Consulting Engineers

2019 PAVEMENT MANAGEMENT REPORT

Village of West Dundee, IL

EXHIBIT 3 - STREET IMPROVEMENT MAP (2010 - 2019)



Source(s):

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YEAR IMPROVED

2010 2018

2014 2019

2017

BAXTER & WOODMAN Consulting Engineers

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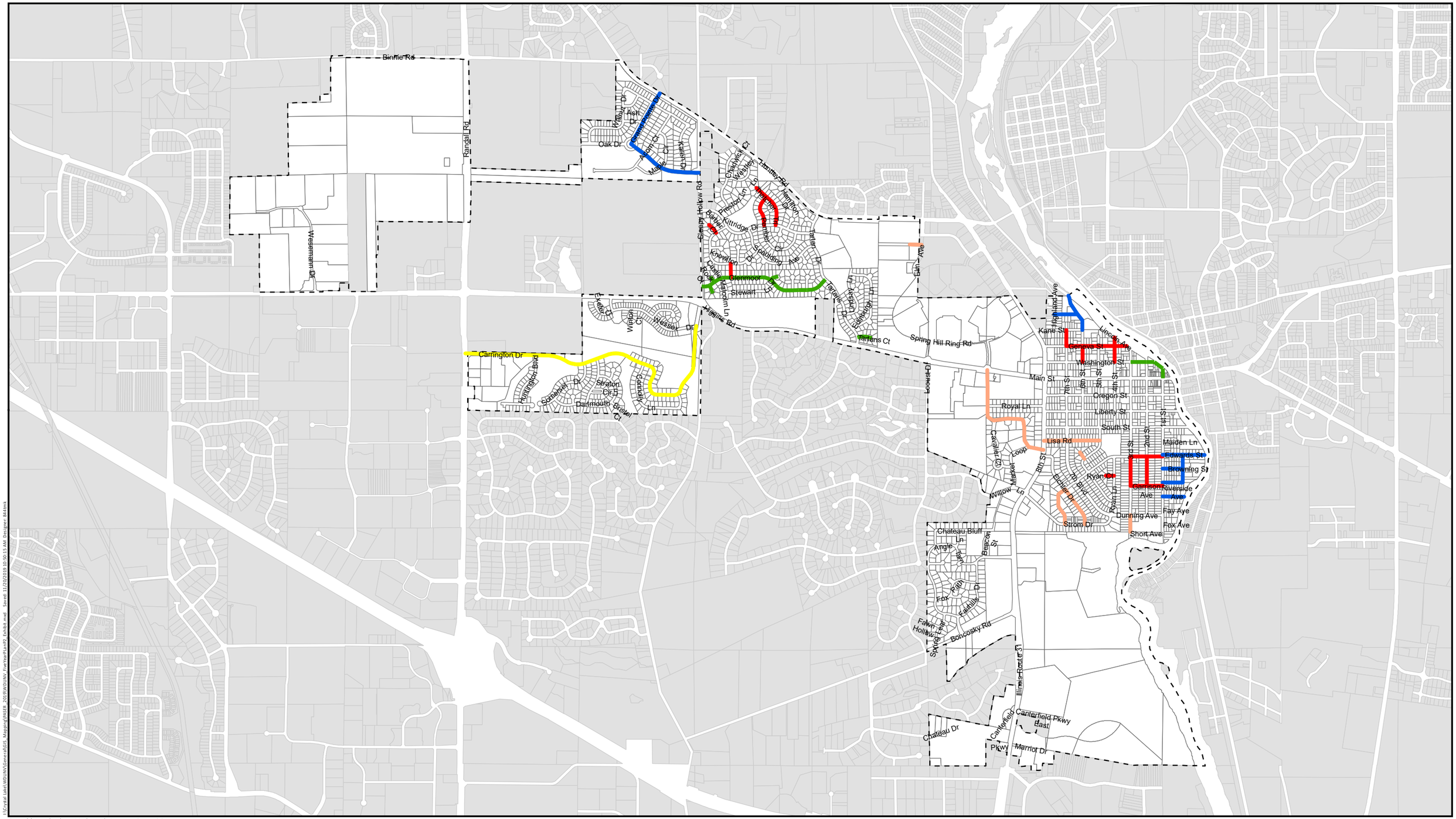
2019 PAVEMENT MANAGEMENT REPORT

Village of West Dundee, IL

EXHIBIT 4 - RECOMMENDED 5-YEAR PAVEMENT IMPROVEMENT PLAN MAP ($1M BUDGET)



Source(s): Parcel and Municipal Boundaries - Kane County GIS
Road Centerline data - Baxter & Woodman

N

1 " = 2,000 '

0 1,000 2,000 4,000 Feet

Five-Year Plan - $1.0M Budget

FY 2021 FY 2023 FY 2025

FY 2022 FY 2024

BAXTER & WOODMAN Consulting Engineers

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