

VILLAGE OF HAWTHORN WOODS
STREET MAINTENANCE IMPROVEMENT REPORT
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VILLAGE OF HAWTHORN WOODS STREET MAINTENANCE IMPROVEMENT PROGRAM

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Exhibit #1	Pavement Condition Index Map
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EXECUTIVE SUMMARY

Christopher B. Burke Engineering, Ltd. organized an extensive pavement maintenance program for the Village of Hawthorn Woods and has scheduled a program of various construction maintenance techniques to most efficiently maintain the integrity of the Village Streets.

As part of this program, annual pavement evaluations and adjustments to the program will be required. Maintenance strategies will need to be reviewed and evaluated with the possible elimination or addition of different strategies. Pavement maintenance is a dynamic, but essential part of maintaining one of the largest Village investments. With the data collected, the database developed, and a 15 year proposed program the Village is well on its way to a cost-effective pavement maintenance program for many years to come.

The Village's current pavement condition index (PCI) value of 3.9 (Good) emphasizes the dedication and attention the Village has made to their street network investment to this point. The Village of Hawthorn Woods should institute a number of pavement maintenance strategies recommended by CBEL described within this report. The willingness to implement various maintenance techniques illustrates the Village's dedication to their street network and the importance of a high level of service of Village streets.

In order for the Village to keep the high standard of roadway conditions the community has come to expect and keep costs down, preventive maintenance is a must. Without preventive maintenance the Village will not extend the full life of the pavement and costly rehabilitation treatments such as resurfacing or reconstruction will be necessary before the pavements useful life has been met. A pavement management program will allow Village staff to manage and protect a valuable asset and prolong the streets system's useful life. The Village will be able to budget for the future and analyze its street system on an annual basis and make the necessary appropriations and adjustments. A proactive pavement management program will provide the residents of the Village with a high level of service and safety that they have come to expect.

Pavement maintenance can be summarized as the application of the right procedures and materials, at the right time using the appropriate construction practices. Cost-effective preventative maintenance is largely dependant on the timing of the activity and the quality of the work performed. For a preventative maintenance strategy to be successful, it must be recognized that it is cyclic and requires scheduling. It must be properly funded over a period of years to be effective. Deferring preventive maintenance only increases reactive (or routine) maintenance and accelerates deterioration. "Do it right" performance on routine and preventive maintenance activities is a key element in the durability of repairs and their cost effectiveness.

The following are key items for consideration:

1. Several pavement distresses were observed, including alligator cracking, clock cracking, edge cracking, joint reflective cracking, weathering, and base failure.
2. The Village's average Pavement Condition Index (PCI) equals 3.9. The PCI value of 3.9 represents a pavement that is showing signs of aging, but still is maintaining a sound structural condition. Even with this 3.9 pavement rating and good condition it still is necessary to continue some type of routine preventive pavement maintenance to maximize the pavement's useful life.
3. As with any investment a community makes, whether it is vehicles, office equipment, or buildings, preventive maintenance becomes a key component of extending the life of the investment. The same holds true for pavements. Preventive maintenance will extend the life of the pavement and be less extensive and disruptive to the community if performed within the early stages of the life cycle curve. If properly scheduled and implemented, preventative maintenance can extend the pavement's useful life and maintain the level of service that the Village has come to expect.
4. The physical and environmental forces at work on the pavements and our geographical region are dynamic. The need to maintain safety on the Village's roadways during inclement weather, influencing the use of de-icing materials, compounded by other factors of nature, promote the deterioration of the roadways. It is for these reasons that the Village must employ a comprehensive street maintenance program annually.
5. Sixty six percent of the total street pavement area has a PCI value of 3 or 4. These are significant numbers due to the fact that without a preventive maintenance program these large areas of streets will all come due for pavement resurfacing at approximately the same time, which will cause a tremendous cost spike in the Village's Pavement Maintenance Program. CBBEL and the Village estimate these streets will deteriorate to a condition in which resurfacing will be the recommended treatment in approximately 6 years. The pavement management program will help flatten out this potential spike and extend the life of the pavement.
6. The total cost to the Village of Hawthorn Woods for a pavement management program of this magnitude averages 1.2 million dollars annually in 2012 dollars and inflation for future years has not been added.
7. Without this funding and the opportunity to maintain a valuable Village investment, the Village will begin experiencing a drop in the pavements condition sooner and the deterioration rate will become increasingly faster as each year passes. A well maintained management program will help prevent the commonly used "worst first" or reactive approach to pavement maintenance.

8. CBBEL recommends that the Village submit resurfacing projects to the Lake County Council of Managers. These projects would be simple grind and overlay at a 30% local match. The construction costs and Phase III Engineering are eligible for funding.

Conclusion: We recommend that the Village move from a reactive mode to a proactive approach and adopt a road maintenance program, a cost effective way of protecting the Village's major investment in streets and pavement.

INTRODUCTION

The Village of Hawthorn Woods has requested that Christopher B. Burke Engineering, Ltd. (CBBEL) to complete a Village wide street database and maintenance improvement program. As part of this program a pavement evaluation rating system was created to determine the condition of each street segment. This document will give the measurements of streets in the program, provide the existing pavement condition, give the year of previous construction maintenance, and define various pavement maintenance strategies and costs associated with each segment. Finally, this report will summarize the anticipated costs to maintain the Village's street system and extend the pavement life.

The Village's street system is a major community investment. To protect this investment and maximize its performance, pavement maintenance plays a crucial role in the Village's annual program. Pavements in this part of the country are exposed to extreme weather conditions. These weather conditions coupled with the pavement being exposed to more and more loads over time, necessitate the need for a pavement management program. This program will allow the pavement system to perform at acceptable levels of service and maximize the useful life of the pavement.

Routine pavement maintenance postpones the need for more costly pavement rehabilitation and reconstruction. One example of how routine pavement maintenance can alleviate the need for expensive pavement repairs is crack filling. Routine crack fill treatments to the Village's street system will reduce the moisture infiltration that is typically experienced and postpone the need for pothole repairs through pavement patching. In general, failure to perform routine maintenance results in a pavement that deteriorates faster and requires expensive pavement repairs.

Another effect of routine pavement maintenance is an increase in the pavement's level of service to the motoring public. A well maintained pavement has fewer problems noticed by the motorist and a better skid resistance contributing to a safer roadway. Some of these factors do not directly measure into the pavement's overall rating, but do not go unnoticed by the motoring public.

The benefits of developing, programming and performing a routine pavement maintenance program may be summarized as follows:

- Maximizing the pavements' useful life.
- Postponing expensive pavement rehabilitation and reconstruction.
- Improving the ride quality and safety of the motoring public.
- Developing a cost-effective way of protecting the Village's pavement investment.

PAVEMENT HISTORY

The Village's street system, as shown in Exhibit 1 – PCI Map, consists of approximately 52 centerline miles of streets currently maintained by the Village and approximately 2.5 centerline miles of streets to be transferred into the Village's maintenance program in the future, totaling 54.5 miles to be maintained by the Village. In addition to the 54.5 miles in the street system, the Village's pavement maintenance program also includes maintaining five parking lots with a total area of 33,000 Square Yards. The street system has been broken up into individual segments as listed in Exhibit 3, 3A, 3B – Pavement Evaluation Database Spreadsheet. The pavement database lists each segment in alphabetical order and includes its location, length, width, area and the Pavement Condition Index (PCI) value identified by CBBEL.

Approximately 39.5 miles of streets within the Village's pavement maintenance program have been repaired since 2003, showing the Village's dedication to keeping a high level of service for the community. Maximizing the Village's funds allocated to street maintenance and postponing the high cost of street reconstruction is the base to a solid pavement maintenance program. A high level of service and budgetary constraints also factor into a pavement management program.

Throughout this report the theme is to extend the pavement's useful life through the use of routine pavement maintenance techniques. The Life Cycle Curve illustrates the need for preventive maintenance. As shown on Exhibit 5 – Typical Pavement Life Cycle Curve the Village will continue to experience a gradual drop in an individual street's quality until approximately year 12 (60% of the pavement's useful life). The quality of the street at this point drops significantly the next 3-5 years reducing the pavement's useful life.

The Village of Hawthorn Woods currently maintains the pavement system in the more traditional reactive mode. Through discussions and research, the Village's reactive approach of maintaining the street system has been a simple, but effective approach to pavement maintenance. Without this, the Village's pavements would have not performed as well as they have and the level of service to the motoring public would ultimately be unacceptable.

PAVEMENT CONDITION INDEX

The Pavement Condition Index (PCI) can be defined as the current condition of each individual street segment. This index has been developed as a number between 1 and 10, with 1 as the best condition. The rating system is a modified version of the current PASER rating system as developed by the Transportation Information Center at the University of Wisconsin – Madison. A PCI value of 1 denotes a distress free pavement, where as a 10 implies a failed pavement. The following is a chart that defines the PCI value, visible pavement distress and general pavement treatment associated with the PCI value.

PCI	Visible Distress	General Condition/ Treatment Measures
Not Accepted	<ul style="list-style-type: none"> Data not collected 	Street not included in cost estimate.
1 New	<ul style="list-style-type: none"> None 	New or current construction. New overlay.
2 Excellent	<ul style="list-style-type: none"> Little to none 	Recent construction.
3 Very Good	<ul style="list-style-type: none"> No longitudinal crack, expect reflection of paving joints. Occasional transverse cracks, widely spaced (40' or greater). 	Recent overlay. Little or no maintenance required.
4 Good	<ul style="list-style-type: none"> Very slight or no raveling, surface shows some traffic wear. Longitudinal cracks (open 1/4") spaced due to reflection or paving joints. Transverse crack (open 1/4") spaced 10 feet 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.
5 Fair	<ul style="list-style-type: none"> Slight raveling (loss of lines) and traffic wear. Longitudinal cracks (open 1/4" – 1/2") due to reflection and paving joints. Transverse cracking (open 1/4"-1/2") some spaced less than 10 feet. Slight to moderate flushing or polishing. Occasional patching in good condition. 	Show signs of aging, sound structural condition. Could extend life with rejuvenators, micro surfacing or overlay.
6 Fair	<ul style="list-style-type: none"> Moderate to severe raveling (loss of lines and coarse aggregate). Longitudinal cracks (open 1/2:") show some slight raveling and secondary cracks. First signs of longitudinal cracks near wheel path or edge. Transverse cracking and first signs of block cracking. Slight crack raveling (open 1/2"). Extensive to severe flushing or polishing. Some patching or edge wedging in good condition. 	Surface aging. Needs micro surfacing or overlay. May need strengthening from patching or overlay

PCI	Visible Distress	General Condition/ Treatment Measures
7 Poor	<ul style="list-style-type: none"> • Severe surface raveling. • Multiple longitudinal and transverse cracking with slight raveling. • Block cracking (over 25 – 50%) of surface). • Patching in fair condition. • Slight rutting or distortions (1" deep or less). 	Significant aging and first signs of need for strengthening. Would benefit from patching and overlay.
8 Poor	<ul style="list-style-type: none"> • Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. • Block cracking over 50% of surface. • Some alligator cracking (less than 25% of surface). • Patches in fair to poor condition. • Moderate rutting or distortion. • Occasional potholes. 	Need patching and overlay. Consider partial reconstruction.
9 Very Poor	<ul style="list-style-type: none"> • Alligator cracking (over 25% of surface). • Severe distortions (over 2" deep). • Extensive patching in poor condition. • Potholes. 	Severe deterioration. Need partial reconstruction with extensive base repair.
10 Failed	<ul style="list-style-type: none"> • Severe distress with extensive loss of surface integrity. 	Failed. Needs total reconstruction.

This chart describes the rating system in detail and provides a description of all the rating levels from 1 to 10 and what can be expected for each rating level. Note that individual pavements sections will not have all of the types of distress listed for any particular rating, but one or more examples of distress associated with that rating.

Exhibit 6 provides visual examples of the ratings. This type of rating system has been utilized by other local communities and has proven to be a simple way to evaluate, plan, budget and implement a pavement management system that fits the communities' needs and expectations.

The pavement evaluation process was made up of three distinctive features:

1. Visual inspection.
2. Performance.
3. Pavement type and history.

CBBEL's evaluators first reviewed the various pavement stresses that would be encountered in the field and assigned a rating to these stresses and pavement conditions. CBBEL calibrated itself in the field by taking a sample of each pavement distress and assigning to it the appropriate rating. Several pavement

distresses were observed, including alligator cracking, block cracking, edge cracking, joint reflective cracking, weathering, and base failure.

Alligator cracking is a series of interconnecting cracks caused by failure of the asphalt surface under repeated traffic loadings or poor drainage conditions. The interconnecting cracks form many-sided, sharp angled pieces which develop a pattern similar to chicken wire or alligator skin. These areas need to be excavated and have their base and surface replaced. Large areas require reconstruction.

Block cracking is a series of interconnecting cracks, which divide the pavement into approximately rectangular pieces. Block cracking is not load related; it is caused primarily by shrinkage of the asphalt concrete and daily temperature cycling. Repair with sealcoat or overlay. In severe cases, reconstruction may be necessary.

Edge cracks are parallel to and adjacent to the outer edge of the pavement. Edge cracking is caused by frost weakened base or subgrade near the pavement edge, and can be accelerated by traffic loadings. In the advanced stage, edge cracking causes breakup of the pavement along the edge. Crack fill to prevent further deterioration. Overlay or reconstruction may be required.

Rutting, due to garbage trucks, is the displacement of roadway material creating channels in wheel paths. It is caused by traffic compaction or displacement of unsuitable material. Minor ruttings can be repaired with overlay. Severe Rutting (2" or greater) spots must have the old surface milled or reconstructed before resurfacing.

Raveling is progressive loss of pavement from the surface down. This is caused by stripping of the bituminous film from the aggregate, asphalt hardening from aging, poor compaction in cold weather construction, or inadequate asphalt content. Protect with sealcoat or thin overlay when required.

Weathering is the wearing away of the pavement surface due to the loss of bitumin. Weathering tends to occur over time as the bitumin in the surface oxidizes, the aggregate becomes loose, and the pavement becomes brittle. Protect with sealcoat or thin overlay when required.

Joint reflective cracking occurs in asphalt pavements which have been laid over portland cement concrete pavements. Such cracks are a reflection of the joints in the underlying concrete pavement and are caused by thermal and moisture induced movements of the concrete slab. Thick overlay or reconstruction may be necessary.

Base failure is the structural damage to the pavement base and sub-base caused by continuous traffic loadings and temperature change cycles over time. Poor

drainage, inadequate base materials and sub-standard design can also cause base failures.

Once the calibration process was complete, the evaluation process was performed throughout the Village until the entire street system was evaluated and ultimately given a PCI value. As part of the PCI value, performance, pavement type and expectant pavement life was included in the rating process. Performance, pavement type and history are critical elements to the pavement's overall ratings. The pavement may appear to be in satisfactory condition on the surface (Visual inspection); but through CBBEL's use of pavement cores, data from the SSA programs, and previous construction information, knowledge of the pavement type, performance, and pavement history are used to get a true rating of the pavement.

Upon the completion of this evaluation process the PCI ratings were entered into the pavement database, Exhibit 3, 3A, 3B – Pavement Evaluation Database Spreadsheet. The Village's average Pavement Condition Index (PCI) equals 3.9. This PCI value is considered good and illustrates the Village's diligence to their street system, the Village's commitment to pavement maintenance and up keeping the Level of Service (LOS) the community has come to expect. Shown on Exhibit 1 – Pavement Condition Index Map are each individual PCI values for the Village's roadway network. The PCI value of 3.9 represents a pavement that is showing signs of aging, but still is maintaining a sound structural condition. Even with this 3.9 pavement rating and good condition it still is necessary to continue some type of routine preventive pavement maintenance to maximize the pavement's useful life.

As with any investment a community makes, whether it is vehicles, office equipment, or buildings, preventive maintenance becomes a key component of extending the life of the investment. The same holds true for pavements. Preventive maintenance will extend the life of the pavement and be less extensive and disruptive to the community if performed within the early stages of the life cycle curve. If properly scheduled and implemented, preventive maintenance can extend the pavement's useful life and maintain the level of service that the Village has come to expect. Once the pavement reaches 75% of its useful life the quality of the pavement rapidly decreases and pavement treatments become more expensive, severe, and disruptive. One aspect that is typically forgotten when discussing pavement maintenance is the disruption to the motoring public and homeowners. Typically the more expensive pavement treatments cause major disruption with road closures, travel delays, etc. Preventive maintenance prolongs the pavement life, ultimately reducing the overall disturbance to the motoring public and homeowners.

PAVEMENT MAINTENANCE TECHNIQUES

The Village of Hawthorn Woods pavement management program consists of different categories of work intended to address a variety of maintenance considerations on different pavement types, ages and conditions. These programs generally fall into four major forms of work, 1) preventive maintenance, 2) resurfacing, 3) partial reconstruction, or 4) reconstruction. The method selected to be utilized on individual portions or sections of street within the Village are tailored to implement the most cost effective treatment, which will gain the greatest enhancement and extension of the useful life of the pavement.

The physical and environmental forces at work on the pavements and our geographical region are dynamic. The need to maintain safety on the Village's roadways during inclement weather, influencing the use of de-icing materials, compounded by other factors of nature, promote the deterioration of the roadways. It is for these reasons that the Village must employ a comprehensive street maintenance program annually.

The following is a brief summary of each of the programs involved in the maintenance improvement program, the phases of work involved in each of these programs, and discussion on the positive benefits gained by using a particular technique.

Preventive Maintenance Projects:

Preventive maintenance treatment options are intended to preserve a Village's asphalt roadways. The preventive maintenance treatments work to extend the service life of bituminous pavements beyond the normal life expectancy of an untreated pavement. The various maintenance treatments serve to lengthen the intervals between the replacements of the deteriorated pavement. The treatment selected will depend on the age, volume of traffic, and condition of the pavement. Preventive maintenance has proven to be an extremely cost effective way of preserving the Village's roadway network.

Years 1-3

Preservative Rejuvenating Agent:

\$1.10 / Sq Yd

A Preservative Rejuvenating Agent Program (i.e. GSB88) involves the application of a sprayed on petroleum base product which provides an environmental seal of existing asphalt pavements in order to improve the durability and thus achieve longer service life between more extensive rehabilitation projects. The function of the rejuvenating agent is to replace the volatile components of the asphalt cement that are lost during the manufacturing process of the aggregate asphalt mixture and through the normal aging and oxidation processes caused by nature.

Years 3-8

Joint and Crackfilling Program w/ 5% Surface Patching:

\$3.75 / Sq Yd

The Joint and Crackfilling Program involves the cleaning and sealing of any cracks, voids or joints in the street pavement two inches (2") in width or less, with asphalt cement reinforced by polypropylene fibers. A companion contract to this work is the cleaning and sealing of selected pavement, utilizing a rubberized crackfilling product. The use of the rubberized product allows greater flexibility in managing cracks and joints on sections of pavement that experience a high degree of vehicular turning movement or pedestrian traffic. Crackfilling is a very cost effective measure and is performed routinely to keep water from getting into the pavement. It helps to keep pavement in good condition and interrupts the propagation of more cracking.

Years 6-10

15% Bituminous Surface Patching:

\$4.50 / Sq Yd

This program will provide various size and depths of finish contracted patches on various asphalt streets. Some streets have a moderate condition rating due to isolated defects on an otherwise good pavement. They do not warrant resurfacing but can be substantially up-graded by patching the problem areas. Additional life expectancy and a better ride will be the result.

Years 9-12

Micro-Surfacing:

\$8.00 / Sq Yd

A Micro-Surfacing Program involves the installation of a thin, latex modified, asphalt wearing course. The use of this product involves greater flexibility addressing pavement defects on streets which conventional overlays would not be cost effective at the time. This method is also beneficial on pavements which require work due to surface imperfections without causing excessive build up of additional material on the pavement cross section.

Resurfacing Projects:

When a pavement has deteriorated beyond the point of preventive maintenance, the pavement will then need to be resurfaced. Pavements beyond their service life without signs of extensive roadway base failure will fall into the resurfacing category. With any of the resurfacing programs curb and gutter repairs, and sidewalk repairs (if applicable) are included as part of the improvements. Resurfacing projects are used to compliment the preventive maintenance type projects. Programs in the resurfacing category generally serve to extend the life of the pavement by repairing and rehabilitating the top layers of the existing asphalt

pavements. By repairing and resurfacing the existing pavement the service life is extended and thus postponing the costly replacement of that pavement.

Years 12-15

Mill and Overlay:

\$15.00 - \$22.00 / Sq Yd

In general, the mill and overlay program involves the renovation of streets by grinding off the top layer of pavement and relaying a new asphalt surface. The mill and overlay programs include a percentage of the existing roadway base to be patched with a more substantial asphalt base patch. The amount of the patching will depend on the depth of the existing pavement structure, the condition of the existing pavement and the roadway base. The grind and overlay program would include spot repairs to the concrete ribbon or the curb and gutter. Spot repair of sidewalks would also be included to repair trip hazards and upgrade the crosswalk sidewalk ramps to current ADA requirements (if applicable). Spot repairs of driveways have not been included in the cost of this work.

Years 15+

Full Depth Pavement Removal & Replacement

\$30.00 – \$40.00 / Sq Yd

The full depth asphalt removal and replacement include the removing all existing hot-mix asphalt, aggregate base repair and preparation of base (to improve the cross slope of the roadway where needed), and resurfacing the roadway with 2 ½ inches of binder course and 1 ½ inches of surface course. The full depth rehabilitation would include spot repairs to the concrete ribbon or the curb and gutter. Spot repair of sidewalks would also be included to repair trip hazards and upgrade the crosswalk sidewalk ramps to current ADA requirements (if applicable). Lastly a percentage of the pavement area will require undercutting and replacement with porous granular embankment to repair areas of unsuitable stone and/or soil bases beneath the asphalt pavement. Spot repairs of driveways have not been included in the cost of this work.

Years 20+

Reconstruction Projects

\$150.00 / Sq Yd

Pavements beyond their service life showing signs of extensive roadway base failure or those requiring the complete replacement of the asphalt or concrete pavement will fall into the reconstructive project category. This is the most costly and disruptive form of roadway maintenance. These projects will include the complete removal of the existing roadway and the construction of a new concrete ribbon or curb and gutter, aggregate base and asphalt layers, extensive sidewalk replacements, and parkway restoration. Repairs of driveways have not been included in the cost of this work.

TYPICAL PAVEMENT MANAGEMENT PROGRAM

The Village's pavement management program has been developed with every street evaluated and appropriately programmed for various pavement maintenance techniques. These programs extend the useful life of the pavement. For budgeting, planning and discussion purposes this report will derive a typical 15 year pavement maintenance program. Exhibit 2 – 15-Year Plan Map shows the 15-year program broken-up year-by-year on the Village Map. Since conditions in this region are extreme it will be necessary to evaluate and verify the street maintenance program annually. This annual inspection will move streets up and push streets back for the more extensive pavement treatments creating a dynamic pavement management program.

Exhibit 7 – 2012 Area Percentages of PCI Values, shows approximately 66% of the total street pavement area has a PCI value of 3 or 4. These are significant numbers due to the fact that without a preventive maintenance program these large areas of streets will all come due for pavement resurfacing at approximately the same time, which will cause a tremendous cost spike in the Village's Pavement Maintenance Program. CBBEL and the Village estimate these streets will deteriorate to a condition in which resurfacing will be the recommended treatment in approximately 6 years. The pavement management program will help flatten out this potential spike and extend the life of the pavement.

The total cost to the Village of Hawthorn Woods for a pavement management program of this magnitude averages 1.2 million dollars annually in 2012 dollars and inflation for future years has not been added. A slightly higher cost is assigned to the first three years of the program. These first three years repair and reconstruct the worst streets in the Village first thus eliminating the expense of more costly routine repairs further down the road and creating a more cost effective approach in the long term. The 1.2 million dollars was developed based on the 2012 pavement condition inventory, rating, history, number of miles of pavements to be maintained, type of maintenance construction, and maintaining a level of service that the residents of the Village have come to expect – minimum PCI of 4.0. Considerations in scheduling the streets in the 15 year included their PCI value based on visual inspection, historic data, and pavement information, grouping of close by locations to cut down construction costs associated with transportation, minimizing traffic disturbance, and minimizing construction traffic over repaired streets.

With any pavement management program, the need to balance the program years as it pertains to both amount of pavement and dollars spent is a key element to the programs success. Every program will experience fluctuations in dollars, maintenance techniques and number of pavements maintained. If the pavements perform better than expected, the program can expect to have less reconstruction projects and more preventive maintenance and light resurface

projects. The goal is to maximize the pavement life without compromising the level of service and safety of the roadway network.

The Village's previous 7 year SSA Program yielded a pavement condition index of 3.9. A 1.2 million dollar annual maintenance program will maintain the level of surface to an approximately pavement condition index of 4.0 but most importantly, it will extend the life of each pavement allowing the Village to maintain its street network of 54.5 miles annually. Without this funding and the opportunity to maintain a valuable Village investment, the Village will begin experiencing a drop in the pavements condition sooner and the deterioration rate will become increasingly faster as each year passes. A well maintained management program will help prevent the commonly used "worst first" or reactive approach to pavement maintenance. The reactive approach to pavement maintenance limits the number of pavements that can be maintained annually. This approach typically requires more expensive pavement treatments such as partial reconstruction or reconstruction before the useful life of the pavement is maximized.

Below is a table depicting the cost per year for resurfacing and maintenance of the Village streets.

YEAR	RESURFACING COST	ROUTINE MAINTENANCE COST	TOTAL BUDGET
1	\$1,021,000	\$210,000	\$1,231,000
2	\$1,196,000	\$210,000	\$1,406,000
3	\$1,275,000	\$210,000	\$1,485,000
4	\$1,283,000	\$210,000	\$1,493,000
5	\$953,000	\$210,000	\$1,163,000
6	\$967,000	\$210,000	\$1,177,000
7	\$961,000	\$210,000	\$1,171,000
8	\$1,054,000	\$210,000	\$1,264,000
9	\$1,051,000	\$210,000	\$1,261,000
10	\$911,000	\$210,000	\$1,121,000
11	\$981,000	\$210,000	\$1,191,000
12	\$888,000	\$210,000	\$1,098,000
13	\$802,000	\$210,000	\$1,012,000
14	\$660,000	\$210,000	\$870,000
15	\$859,000	\$210,000	\$1,069,000
TOTALS:	\$14,862,000	\$3,150,000	\$18,012,000

ROUTINE MAINTENANCE TYPES	APPROXIMATE PER YEAR COST
PRESERVATIVE REJUVENATING AGENT	\$10,500
JOINT AND CRACKFILLING WITH 5% SURFACE PATCHING	\$16,800
BITUMINOUS SURFACE PATCHING	\$23,100
MICRO-SURFACING	\$54,600
MILLING AND OVERLAYING	\$105,000
TOTAL =	\$210,000

POSSIBLE FUNDING GRANT

CBBEL recommends that the Village submit resurfacing projects to the Lake County Council of Managers. These projects would be simple grind and overlay at a 30% local match. The construction costs and Phase III Engineering are eligible for funding. Projects that are eligible are as follows:

1. Current V/C – Current Volume/Capacity of a roadway/intersection on a peak-hour basis.
2. Emission Reduction – Decrease in vehicle emissions by increasing traffic speed or decreasing vehicle miles of travel.
3. Fund Source Criteria – Prioritization and selection of proposed transportation projects to receive funding from various federal sources.
4. Road Condition – Condition of the roadway surface (CRS rating).

The following streets within the Village may be applicable:

- Darlington Drive (Gilmer Road to Old McHenry Road)
- Echo Lake Road (Old McHenry Road to Midlothian Road)
- Indian Creek Road (Gilmer Road to Diamond Lake Road)
- Krueger Road (Fairfield Road to Midlothian Road)
- Miller Road (Rand Road to Echo Lake Road)
- Owens Road (Gilmer Road to Schwerman Road)
- Schwerman Road (Fairfield Road to Gilmer Road)

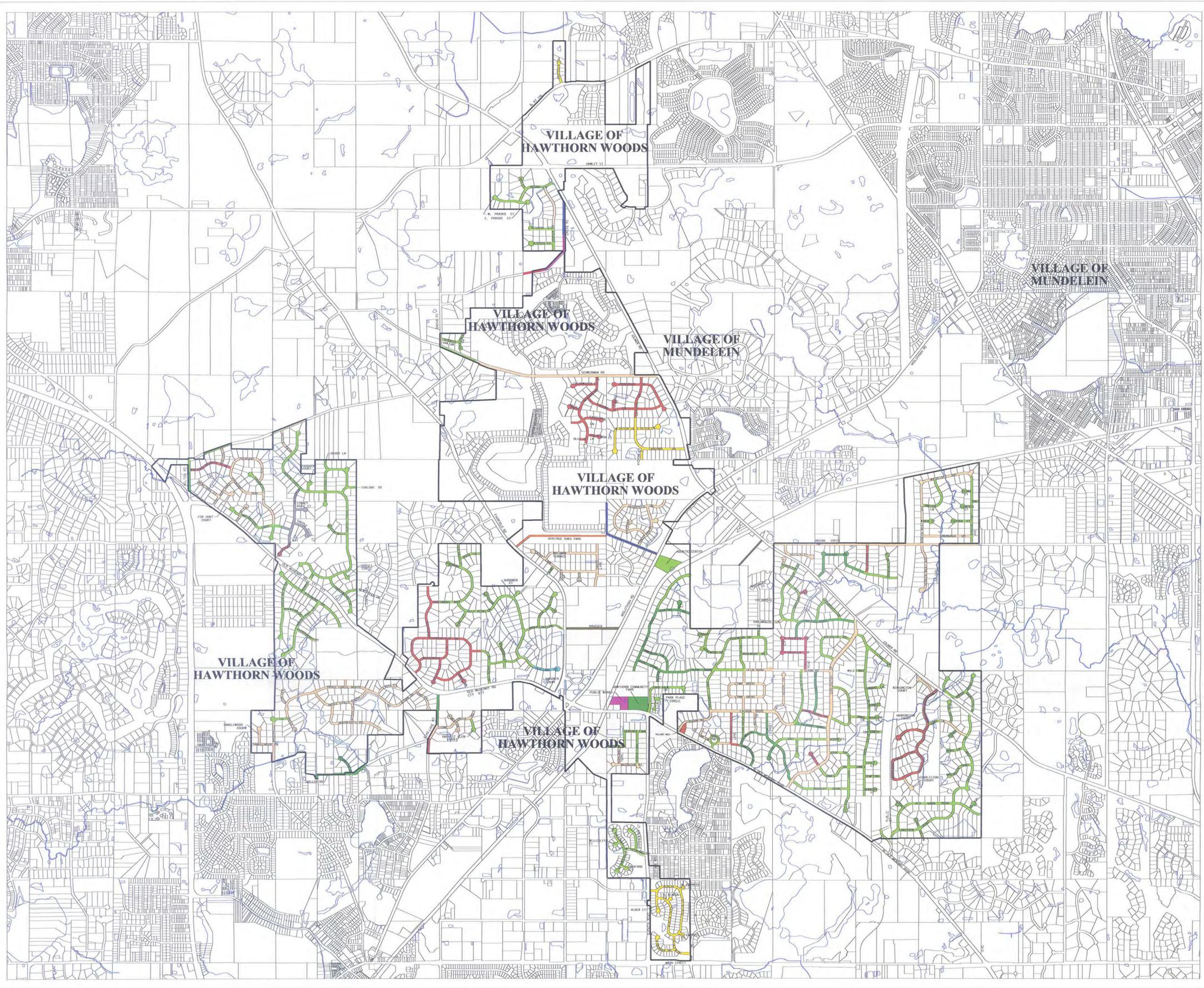
VILLAGE CODE

As section 10-3-10 (STREET IMPROVEMENTS) of the Hawthorn Woods Village Code states, all streets shall be constructed to meet or exceed the following material thickness standards:

STREET	PAVEMENT TYPE		SURFACE COURSE	BINDER COURSE	BASE COURSE	AGGREGATE SUBGRADE
	FLEXIBLE	RIGID				
Cul-De-Sacs and Minor Streets	✓		2" HMA	2" HMA	5" HMA	12"
Cul-De-Sacs and Minor Streets		✓	6" PCC	-	4" PCC	12"
Collector Streets	✓		2" HMA	2" HMA	7" HMA	12"
Collector Streets		✓	7" PCC	-	4" PCC	12"
Major and Nonresidential Streets	✓		2" HMA	2" HMA	9" HMA	12"
Major and Nonresidential Streets		✓	8" PCC	-	4" PCC	12"

In conclusion, CBBEL finds the existing typical sections found in the Village Code to be adequate. Drawings of all above cross sections can be found in Exhibits 8-13.

EXHIBIT #1
PAVEMENT CONDITION INDEX MAP



Village of Hawthorn Woods

15-Year
Pavement Maintenance Program
Hawthorn Woods, Illinois



Pavement Condition Index (PCI) Map

- PCI 1 (BEST)
- PCI 2
- PCI 3
- PCI 4
- PCI 5
- PCI 6
- PCI 7
- PCI 8
- PCI 9
- PCI 10 (WORST)
- NOT ACCEPTED

EXHIBIT 1
Date: 12/19/12

REVISED 3-8-13

CB **CHRISTOPHER B. BURKE ENGINEERING LTD.**
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

Base Map Source: Lake County Dept. of Information & Technology, GIS Division

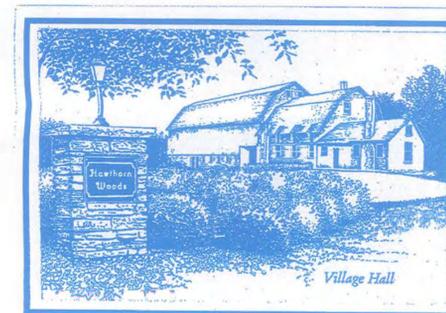
STREET SURVEY

N:\HAWTHORNWOODS\0265\11508\CIVIL\DCS\0265\1158_2012_PCImap.DOC.dgn

EXHIBIT #2
15-YEAR PLAN MAP

Village of Hawthorn Woods

15-Year
Pavement Maintenance Program
Hawthorn Woods, Illinois



15-Year Maintenance Map

- YEAR 1
- YEAR 2
- YEAR 3
- YEAR 4
- YEAR 5
- YEAR 6
- YEAR 7
- YEAR 8
- YEAR 9
- YEAR 10
- YEAR 11
- YEAR 12
- YEAR 13
- YEAR 14
- YEAR 15
- NOT ACCEPTED

EXHIBIT 2
Date: 12/19/12
REVISED 3-8-13

CB **CHRISTOPHER B. BURKE ENGINEERING LTD.**
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

Base Map Source: Lake County Dept. of Information & Technology, GIS Division

STREET SURVEY

N:\HAWTHORNWOODS\0265H158B\CIVIL\DESIGN\0265H158_15_YEAR_PLAN.dwg

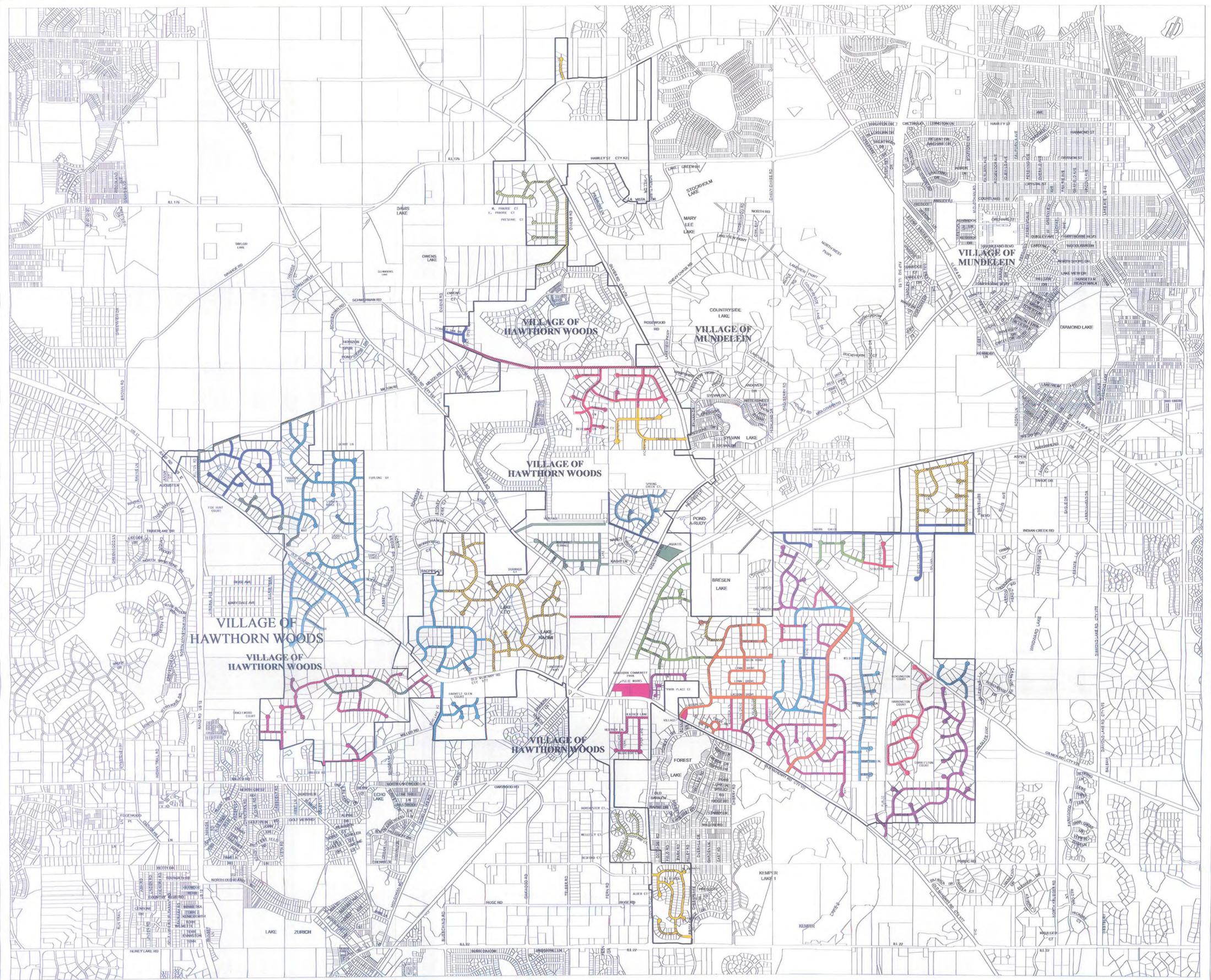


EXHIBIT #3
PAVEMENT EVALUATION DATABASE SPREADSHEET
(IN ORDER BY YEAR TO BE REPAIRED)

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
1	ELM ST	DARLINGTON DR	LAGOON DR	2411	22	5894	2001	6	RIBBON, FULL DEPTH
1	ELMWOOD DR	MILLER RD	NORTH CDS	653	22	1696	2002	6	RIBBON, FULL DEPTH
1	HAWTHORN DR	CIRCLE DR	VICTORIA LN	450	21	1050	2001	4	NO RIBBON, FULL DEPTH
1	HAWTHORN DR	VICTORIA LN	HICKORY RD	305	21	712	2001	5	NO RIBBON, FULL DEPTH
1	HAWTHORN DR	HICKORY RD	OLD MCHENRY RD	900	22	2200	2001	6	NO RIBBON, FULL DEPTH
1	PUBLIC WORKS FACILITY			2197			UNKNOWN	8	LOT, FULL DEPTH
1	HICKORY LN	HAWTHORN DR	ELM ST	1033	22	2625	2001	6	NO RIBBON, FULL DEPTH
1	JAMES CT	DARLINGTON DR	NORTH CDS	489	22	1195	1996	5	NO RIBBON, FULL DEPTH
1	JUEL CI	ELM ST	SOUTH CDS	498	22	1217	2001	6	NO RIBBON, FULL DEPTH
1	MILLER RD	VILLAGE LIMIT	CREEK CROSSING NE OF BRECKENRIDGE DR	1963	22	4847	2002	6	NO RIBBON, FULL DEPTH
1	VICTORIA LN	HAWTHORN DR	LAGOON DR	1057	21	2466	2005	5	RIBBON, RESURFACE
1	VILLAGE HALL LOT			2653			UNKNOWN	5	LOT, FULL DEPTH
2	ARTHUR CT	SOUTH CDS	GLEN RD	500	22	1222	1999	6	NO RIBBON, FULL DEPTH
2	BLACKHAWK RD	INDIAN CREEK RD	SEQUOIA RD	857	22	2095	1999	5	NO RIBBON, FULL DEPTH
2	CATTAIL CT	FOXTAIL RD	NORTH CDS	268	22	655	2002	6	NO RIBBON, FULL DEPTH
2	FOXTAIL RD	SQUIRE RD	EAST CDS	1050	22	2567	2002	6	NO RIBBON, FULL DEPTH
2	GLEN RD	SQUIRE RD	200' W OF ARTHUR CT	528	22	1291	1996	6	NO RIBBON, FULL DEPTH
2	LANCELOT LN	GLEN RD	ORCHARD LN	1993	22	4872	1999	6	NO RIBBON, FULL DEPTH
2	SQUIRE RD	GILMER RD	GLEN RD	1220	22	2962	1999	6	NO RIBBON, FULL DEPTH
2	SQUIRE RD	FOXTAIL RD	BLACKHAWK RD	2384	22	5828	1996	6	NO RIBBON, FULL DEPTH
2	SQUIRE RD	FOXTAIL RD	NORTH CDS	1570	22	3838	2002	3	NO RIBBON, FULL DEPTH
2	SQUIRE RD	FOXTAIL RD	SOUTH END	2078	22	5080	2002	6	NO RIBBON, FULL DEPTH
3	BIXTONE LN	12 ACORN DR	BRUCE CI SOUTH	1830	21	4270	UNKNOWN	4	NO RIBBON, FULL DEPTH
3	BRUCE CI SOUTH	OLD MCHENRY RD	ACORN DR	580	22	2015	2004	4	RIBBON, RESURFACE
3	EQUESTRIAN WAY	BRUCE CI NORTH	450' S OF MOOREGATE TR	1345	22	3288	2001	4	NO RIBBON, FULL DEPTH
3	MILTON RD	SOUTH CDS	VILLAGE LIMIT	450	22	1760	UNKNOWN	4	NO RIBBON, FULL DEPTH
3	MILTON RD	WINDING BRANCH RD	VILLAGE LIMIT	495	22	1210	2000	3	NO RIBBON, FULL DEPTH
3	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1165	22	2848	2000	3	NO RIBBON, FULL DEPTH
3	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1550	22	3789	2000	4	NO RIBBON, FULL DEPTH
3	MOOREGATE TRAIL	OLD MCHENRY RD	WINDING BRANCH RD	710	22	1736	2000	6	NO RIBBON, FULL DEPTH
3	OWENS RD	WEST CDS	330' W OF EQUESTRIAN WAY	1750	21	4790	2000	3	NO RIBBON, FULL DEPTH
3	OWENS RD	GILMER RD	920' SOUTH OF GILMER RD	920	21	2348	2009	7	CURB AND GUTTER, FULL DEPTH
3	OWENS RD	1355' S OF GILMER RD	1355' S OF GILMER RD	435	21	1015	UNKNOWN	8	NO RIBBON, FULL DEPTH
3	THORNFIELD LN	MOOREGATE TRAIL	SOUTH VILLAGE LIMIT	1480	21	3453	UNKNOWN	9	NO RIBBON, FULL DEPTH
3	CARLISLE RD	GLEN RD	SOUTH CDS	424	22	1036	2000	3	NO RIBBON, FULL DEPTH
4	CARLISLE RD	DARLINGTON DR	N HIGHVIEW CI	983	22	2403	2006	5	RIBBON, RESURFACE
4	CARLISLE RD	FALKIRK RD	N HIGHVIEW CI	2325	22	5683	2006	6	POOR CONDITION, RESURFACE
4	CHANCELLOR CT	COPPERFIELD DR	GLEN RD	1729	22	4333	1997	3	RIBBON, FULL DEPTH
4	CHANTILLY LN	SOUTH CDS	SOUTH CDS	262	22	1395	2003	4	RIBBON, RESURFACE
4	COPPERFIELD DR	OLD MCHENRY RD	WEDGEWOOD DR	760	22	2596	2003	4	RIBBON, RESURFACE
4	CROYDEN RD	STONEHAVEN DR	CHANTILLY LN	5011	22 to 36	12799	2003	5	RIBBON, RESURFACE
4	ECHO LAKE RD	STONE CREEK RD	GLEN RD	1358	22	3320	2003	6	POOR CONDITION, RESURFACE
4			MILLER RD	465	23	1239	2000	4	NO RIBBON, FULL DEPTH

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

EXHIBIT 3
DECEMBER 19, 2012
REVISED MARCH 8, 2013

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
4	ECHO LAKE RD	MILLER RD	VILLAGE LIMITS	510	22	1247	2000	5	NO RIBBON, FULL DEPTH
4	ECHO LAKE RD	OLD MCHENRY RD	STONE CREEK RD	1055	25	2931	2000	6	CURB AND GUTTER, POOR CONDITION, RESURFACE
4	FALKIRK RD	DARLINGTON DR	CARLISLE RD	941	22	2300	2003	6	POOR CONDITION, RESURFACE
4	FALKIRK RD	LAGOON DR	CARLISLE RD	789	22	1929	1997	5	NO RIBBON, FULL DEPTH
4	GENTRY DR	COPPERFIELD DR	BAGPIPE CT	1724	22	4214	2003	5	RIBBON, RESURFACE
4	GOVERNORS WAY	GENTRY DR	230' EAST OF GENTRY DR	230	22	562	2003	4	RIBBON, RESURFACE
4	HARVEST GLEN CT	STONE CREEK RD	SOUTH CDS	332	22	1833	2009	3	RIBBON, RESURFACE
4	LAGOON DR	FALKIRK RD	NORTH CDS	1487	22	3586	2003	5	RIBBON, RESURFACE
4	MEADOW LN NORTH	NORTH CDS	STONE CREEK DR	188	22	1934	2009	4	RIBBON, RESURFACE
4	MEADOW LN SOUTH	SOUTH CDS	STONE CREEK DR	576	22	1408	2009	4	RIBBON, RESURFACE
4	MULBERRY DR	COPPERFIELD DR	315' E OF COPPERFIELD DR	295	22	721	2003	5	RIBBON, RESURFACE
4	OWENS RD	SCHWERMANN RD	VILLAGE LIMIT	191	20	424	UNKNOWN	4	NO RIBBON, FULL DEPTH
4	STONE CREEK RD	ECHO LAKE RD	EAST END	1395	22	3100	2009	4	RIBBON, RESURFACE
4	STONE HAVEN DR	CARLISLE RD	DARLINGTON DR	948	22	2317	2003	5	RIBBON, RESURFACE
4	WEDGEWOOD DR	COPPERFIELD DR	COPPERFIELD DR	1458	22	3564	2003	5	RIBBON, RESURFACE
5	BLUE BIRD CT	FALCON DR	NORTH CDS	213	22	1227	2003	5	RIBBON, RESURFACE
5	BLUE JAY LN	MEADOWLARK DR	WEST END	185	22	623	2003	5	RIBBON, RESURFACE
5	CARDINAL DR	SCHWERMANN RD	250' S OF FALCON DR	1275	22	3117	2003	5	RIBBON, RESURFACE
5	CHARLESTON CT	HAWTHORN GROVE CI	SOUTH CDS	430	22	1051	UNKNOWN	4	CURB AND GUTTER, RESURFACE
5	FALCON DR	PEREGRINE LN	MEADOWLARK DR	2490	22	6087	2003	5	RIBBON, RESURFACE
5	GOLDFINCH CT	MEADOWLARK DR	EAST CDS	324	22	1596	2003	5	RIBBON, RESURFACE
5	HARRINGTON CT	HAWTHORN GROVE DR	WEST CDS	975	22	2383	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HAWTHORN GROVE CI	HAWTHORN GROVE DR	HAWTHORN GROVE DR	3100	22	7578	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HAWTHORN GROVE DR	GILMER RD	HAWTHORN GROVE CI	2300	22	5622	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HIGHVIEW CI	CARLISLE RD	CARLISLE RD	1777	22	5757	2003	5	RIBBON, RESURFACE
5	KENSINGTON CT	HAWTHORN GROVE DR	NORTH CDS	670	22	1638	UNKNOWN	4	CURB AND GUTTER, RESURFACE
5	MEADOWLARK DR	SOUTH END	SCHWERMANN	2425	22	5928	2003	5	RIBBON, RESURFACE
5	ORIOLE CT	MEADOWLARK DR	WEST CDS	274	22	1376	2003	5	RIBBON, RESURFACE
5	PEREGRINE LN	SOUTH CDS	WEST CDS	1890	22	6033	2003	5	RIBBON, RESURFACE
5	SANDPIPER LN	WEST END	EAST CDS	987	22	3135	2003	5	RIBBON, RESURFACE
5	SEQUOIA RD	BLACKHAWK RD	EAST CDS	945	22	2705	2005	3	RIBBON, RESURFACE
5	SHEARWATER CT	MEADOWLARK DR	WEST CDS	681	22	2387	2003	5	RIBBON, RESURFACE
5	SHENANDOAH LN	SEQUOIA RD	NORTH CDS	675	22	2325	2005	3	RIBBON, RESURFACE
5	UNIVERSITY CI	CARLISLE RD	CARLISLE RD	1500	22	4327	2008	3	RIBBON, RESURFACE
6	BENT TREE CT	FOX HUNT TR	WEST CDS	680	22	2625	2004	4	RIBBON, RESURFACE
6	FOX HUNT CT	FOX HUNT TR	EAST CDS	250	22.5	1515	2004	4	RIBBON, RESURFACE
6	FOX HUNT TR	PHEASANT RUN RD	OLD MCHENRY RD	1000	22	2480	2004	4	RIBBON, RESURFACE
6	GLEN RD	DARLINGTON DR	CARLISLE RD	878	25	2146	2006	4	RIBBON, RESURFACE
6	GOLF CREST DR	SOUTH CDS	NORTH CDS	795	25	2208	UNKNOWN	3	CURB AND GUTTER, RESURFACE
6	INDIAN CREEK RD	GILMER RD	VILLAGE LIMIT	6635	21	17520	2004	4	RIBBON, RESURFACE
6	W KRUCKENBERG RD	MIDLOTHIAN RD	LIMIT	2840	22	6942	UNKNOWN	7	NO RIBBON, RESURFACE
6	ONONDAGA DR	SENECA EAST AV	SENECA WEST AV	1556	22	3904	2006	4	RIBBON, RESURFACE
6	PHEASANT RUN RD	THORNFIELD LN	THORNFIELD LN	3270	21.5	7850	2004	4	RIBBON, RESURFACE
6	RUTGERS CT	INDIAN CREEK RD	EAST CDS	1050	21	3450	2005	4	RIBBON, RESURFACE
6	SCARLET OAK DR	OWENS DR	GOLF CREST DR	593	25	1647	UNKNOWN	3	CURB AND GUTTER, RESURFACE
6	SENECA WEST AVE	SOUTH CDS	INDIAN CREEK RD	1443	22	4234	2003	4	RIBBON, RESURFACE
6	THORNFIELD LN	PHEASANT RUN RD	NORTH CDS	725	22	2700	2005	3	RIBBON, RESURFACE

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

EXHIBIT 3
DECEMBER 19, 2012
REVISED MARCH 8, 2013

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	POI	DESCRIPTION
6	THORNFIELD LN	PHEASANT RUN RD	MOOREGATE TRAIL	1093	22	2429	2009	4	RIBBON, RESURFACE
6	WINDING BRANCH RD	MILTON RD	PHEASANT RUN RD	1425	21.5	3430	2004	5	RIBBON, RESURFACE
6	WOODED LN	WINDING BRANCH RD	MILTON RD	525	21.5	1255	2004	4	RIBBON, RESURFACE
7	AQUATIC CENTER			980		8731	UNKNOWN	3	LOT WITH CURB AND GUTTER, FULL DEPTH
7	BYRON CT	KATHY LN	SOUTH CDS	199	22	1193	2004	4	RIBBON, RESURFACE
7	COOPER CT	KATHY LN	SOUTH CDS	120	22	1345	2004	4	RIBBON, RESURFACE
7	DAVID LN	NORTH END	SOUTH END	1335	22	3565	2004	4	RIBBON, RESURFACE
7	HERITAGE OAKS PARK			3900		13545	UNKNOWN	3	LOT WITH CURB AND GUTTER, FULL DEPTH
7	HOLMES AVE	KATHY LN	FAIRFIELD RD	275	22.5	770	2004	3	RIBBON, RESURFACE
7	KATHY LN	EAST VILLAGE LIMIT	WEST CDS	2470	22.5	7195	2004	4	RIBBON, RESURFACE
7	WHITMAN TERRACE	KATHY LN	DAVID LN	1725	22	4270	2004	4	RIBBON, RESURFACE
8	ABERDEEN RD	DARLINGTON DR	DARLINGTON DR	1920	22	4267	2009	3	RESURFACE
8	ACORN DR	BRUCE CI SOUTH	ROBINCREST DR	580	22	1578	2005	4	RIBBON, RESURFACE
8	ACORN DR	OLD MCHENRY RD	12 ACORN DR	1035	22	2665	2005	4	RIBBON, RESURFACE
8	BRIERWOODS CT	BRIERWOODS LN	NORTH CDS	100	100	875	2005	3	RIBBON, RESURFACE
8	BRIERWOODS LN	BRUCE CI	VILLAGE LIMIT	1791	22	4378	2005	4	RIBBON, RESURFACE
8	BRUCE CI	WAYNE LN	SOUTH CDS	1055	22	2579	2005	4	RIBBON, RESURFACE
8	BRUCE CI NORTH	WAYNE LN	ACORN DR	2746	22	6712	2005	4	RIBBON, RESURFACE
8	ECHO CT	ACORN DR	SOUTH CDS	658	21	1895	2005	4	RIBBON, RESURFACE
8	ENCLAVE WAY	JOHN DR	SOUTH CDS	407	24	1993	2009	3	RIBBON, RESURFACE
8	HEATHER LN	QUENTIN RD	WEST CDS	1601	22	3914	2005	3	RIBBON, RESURFACE
8	HERON CT	DARLINGTON DR	EAST CDS	276	22	1079	2009	3	RIBBON, RESURFACE
8	HIGHLAND TERRACE	HEATHER LN	MCGREGOR CT	555	22	1995	2005	4	RIBBON, RESURFACE
8	JAMES DR	DARLINGTON DR	JOHN DR	1158	22	2573	2009	3	RIBBON, RESURFACE
8	JANE CT	JEUL DR	SOUTH CDS	478	22	1168	2006	3	RIBBON, RESURFACE
8	JOHN DR	DARLINGTON DR	ENCLAVE WAY	1894	22	4209	2009	3	RIBBON, RESURFACE
8	JOHN DR	DARLINGTON DR	ELM ST	1606	22	3926	2006	3	RIBBON, RESURFACE
8	JUEL DR	ACORN DR	EAST CDS	582	20	1900	2005	4	RIBBON, RESURFACE
8	LYDIA CT	WEST CDS	PIPER LN	690	22	2510	2005	4	RIBBON, RESURFACE
8	MCGREGOR CT	DARLINGTON DR	JOHN DR	1844	22	4098	2009	3	RIBBON, RESURFACE
8	NORBERT DR	DARLINGTON DR	HEATHER LN	1050	21.5	3345	2005	3	RIBBON, RESURFACE
8	PIPER LN	MCGREGOR CT	ACORN DR	370	13.65	370	2005	4	RIBBON, RESURFACE
8	ROBIN CREST RD	EAST CDS	BRUCE CI SOUTH	1340	21	3130	2005	4	RIBBON, RESURFACE
8	ROBIN CREST RD	ACORN DR	NORTH CDS	426	22	1920	2005	4	RIBBON, RESURFACE
8	TANGLEWOOD CT	TANGLEWOOD LN	WEST END	726	22	1775	2005	4	RIBBON, RESURFACE
8	TANGLEWOOD LN	BRIERWOODS LN	DARLINGTON DR	2165	21	5055	2005	3	RIBBON, RESURFACE
8	TRENT RD	DARLINGTON DR	NORTH CDS	414	22	1645	2005	4	RIBBON, RESURFACE
8	WAYNE LN	BRUCE CI	MIDLOTHIAN RD	1718	22	4200	UNKNOWN	10	RECONSTRUCTION
9	KRUEGER RD	FAIRFIELD RD	175 EAST OF MILTON	1086	22	2606	UNKNOWN	3	NO RIBBON, FULL DEPTH
9	SCHWERMAN RD	OWENS DR	GILMER RD	4842	22	17451	UNKNOWN	4	RIBBON, RESURFACE
10	SCHWERMAN RD	175 EAST OF MILTON	GILMER RD	950	21	2220	2005	3	RIBBON, RESURFACE
10	CIRCLE DR	OLD MCHENRY RD	CIRCLE DR	166	22	1014	2007	3	RIBBON, RESURFACE
10	CONDOR CT	ROSEWOOD DR	WEST CDS	2095	22	5125	2005	4	RIBBON, RESURFACE
10	DARLINGTON DR	OLD MCHENRY RD	JUEL DR	4265	22	10430	2005	4	RIBBON, RESURFACE
10	DARLINGTON DR	JUEL DR	GILMER RD						

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

EXHIBIT 3
DECEMBER 19, 2012
REVISED MARCH 8, 2013

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (F-T)	WIDTH (FT)	AREA (SQ.YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
10	GLEN RD	ORCHARD LN	LYNN DR	1007	22	2462	2006	3	RIBBON, RESURFACE
10	GLEN RD	LYNN DR	EAST CDS	855	22	2605	2006	4	RIBBON, RESURFACE
10	IVY LN	ROSEWOOD DR	VILLAGE LIMIT	265	22	589	2007	3	RIBBON, RESURFACE
10	LAGOON DR	WALNUT DR	FAIRFIELD RD	620	22	1516	2005	4	RIBBON, RESURFACE
10	LAGOON DR	OLD MCHENRY RD	WALNUT DR	2770	22	6775	2005	4	RIBBON, RESURFACE
10	LYNN DR	HICKORY RD	LAGOON DR	793	21	1850	2005	3	RIBBON, RESURFACE
10	LYNN DR	GLEN RD	ROSEWOOD DR N	1017	22	2260	2007	3	RIBBON, RESURFACE
10	LYNN DR	LAGOON DR	GLEN RD	3696	22	8213	2007	4	RIBBON, RESURFACE
10	OAK LN	WEST END	CIRCLE DR	585	21	1385	2005	4	RIBBON, RESURFACE
10	ORCHARD LN	ROSEWOOD DR	LAGOON DR	1981	22	4402	2007	3	RIBBON, RESURFACE
10	ROSEWOOD DR	280' W OF LYNN DR	NORTH END	2007	22	5406	2007	3	RIBBON, RESURFACE
10	ROSEWOOD DR	LYNN DR	280' W OF LYNN DR	2360	22	6126	2007	3	RIBBON, RESURFACE
11	AHO DR	SENECA EAST AV	EAST END	190	22	422	2009	3	RIBBON, RESURFACE
11	ANNE CT	SOUTH CDS	DEER POINT DR	446	26	2179	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	BARBERRY CT	OLD LAKE RD	NORTH CDS	615	22	1503	2006	3	RIBBON, RESURFACE
11	BIRCH LAKES DR	DEER POINT DR	FAIRFIELD RD	1301	22	3180	2006	3	RIBBON, RESURFACE
11	CAYUGA CT	SENECA EAST AV	WEST CDS	520	22	1944	2009	3	RIBBON, RESURFACE
11	CONESUS CT	SENECA EAST AV	WEST CDS	220	22	1244	2009	3	RIBBON, RESURFACE
11	DEER POINT DR	GOVERNORS WAY	BRIDGE E OF ANNE CT	834	26	2409	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	DEER POINT DR	BRIDGE E OF ANNE CT	OLD LAKE RD	3281	22	8020	2006	3	RIBBON, RESURFACE
11	DURANGO CT	OLIVERS WAY	NORTH CDS	275	22	672	2006	3	RIBBON, RESURFACE
11	GOVERNORS CT	OLIVERS WAY	WEST CDS	350	25	1890	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	GOVERNORS WAY	230' EAST OF GENTRY DR	OLIVERS WAY	2090	25	5806	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	HIGH POINT CI	HIGH POINT DR	EAST CDS	250	22	611	2006	3	RIBBON, RESURFACE
11	HIGH POINT DR	BIRCH LAKES DR	NORTH CDS	1267	22	3097	2006	3	RIBBON, RESURFACE
11	KEUKA CT	SENECA EAST AV	WEST CDS	185	22	1134	2009	3	RIBBON, RESURFACE
11	MULBERRY DR	315' E OF COPPERFIELD DR	OLD MCHENRY RD	1206	22	2948	2006	3	RIBBON, RESURFACE
11	OLD LAKE RD	38 OLD LAKE DR	EAST CDS	775	22	2570	2006	1	UNDER CONSTRUCTION, RESURFACE
11	OLD LAKE RD	MULBERRY DR	38 OLD LAKE DR	1566	22	3828	2006	3	RIBBON, RESURFACE
11	OLIVERS WAY	GOVERNORS WAY	LACHANORA DR	776	26	2242	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	ONEIDA LN	WASHITAY AV	SENECA WEST AV	1362	22	3027	2009	3	RIBBON, RESURFACE
11	OVERLOOK DR	DEER POINT DR	NORTH CDS	467	22	1142	2006	3	RIBBON, RESURFACE
11	ROSE LN	OLIVERS WAY	EAST CDS	543	26	2631	UNKNOWN	3	RIBBON, RESURFACE
11	SENECA EAST AV	WASHITAY AV	INDIAN CREEK	2085	22	4656	2009	3	RIBBON, RESURFACE
11	SENECA WEST AV	INDIAN CREEK RD	WASHITAY AV	1763	22	4310	2006	4	RIBBON, RESURFACE
11	WAKIA CT	SENECA WEST AV	EAST CDS	195	22	1156	2009	3	RIBBON, RESURFACE
11	WASHITAY AV	SENECA WEST AV	EAST CDS	1852	22	4527	2006	4	RIBBON, RESURFACE
12	CAMBRIDGE DR	CARLISLE RD	GILMER DR	2337	22	5193	2007	3	RIBBON, RESURFACE
12	CHERRY HILL CI	GINO LN	NORTH CDS	645	22	2094	2008	3	RIBBON, RESURFACE
12	DARTMOUTH LN	CAMBRIDGE DR	VILLAGE LIMIT	385	21.5	950	2004	4	RIBBON, RESURFACE
12	GINO LN	HAWTHORN GROVE DR	360' E OF HAWTHORN GROVE DR	1000	22	2222	2008	3	CURB AND GUTTER, RESURFACE
12	GINO LN	360' E OF HAWTHORN GROVE DR	SAINT JOHN RD	1260	22	3080	2008	4	RIBBON, RESURFACE
12	HARVARD LN	CAMBRIDGE DR	CAMBRIDGE DR	1278	22	3124	2008	3	RIBBON, RESURFACE
12	HILLCREST DR	VILLAGE LIMIT	LAKEVIEW RD	426	22 to 56	2244	2007	3	CURB AND GUTTER, RESURFACE

VILLAGE OF HAWTHORN WOODS
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EXHIBIT 3
DECEMBER 19, 2012
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YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
12	HILLTOP CT	OLD BARN RD	NORTH CDS	142	22	902	2007	3	RIBBON, RESURFACE
12	KAREN CT	GINO LN	SOUTH CDS	215	22	1233	2008	3	RIBBON, RESURFACE
12	LAKEVIEW RD	HILLCREST DR	OLD BARN RD	2195	22	5366	2007	3	RIBBON, RESURFACE
12	MAGNOLIA PKWY	SAINT JOHN RD	WEST CDS	797	22	2510	2008	3	RIBBON, RESURFACE
12	MARY LN	SAINT JOHN RD	WEST CDS	458	22	1694	2008	3	RIBBON, RESURFACE
12	OLD BARN RD	HILLCREST DR	VILLAGE LIMIT	3302	22	7338	2007	3	RIBBON, RESURFACE
12	PARK PLACE CT	PARK VIEW LN	END CDS	1040	25	2889	UNKNOWN	4	CURB AND GUTTER, RESURFACE
12	PARK VIEW LN	OLD MCHENRY RD	EAST END	2000	21	5232	2007	3	RIBBON, RESURFACE
12	PRINCETON LN	CAMBRIDGE DR	NORTH CDS	708	22	2312	2007	3	RIBBON, RESURFACE
12	PUBLIC ST	HILLCREST DR	NORTH END	420	22	1027	2008	3	RIBBON, RESURFACE
12	QUAIL HOLLOW CT	SOUTH CDS	NORTH CDS	500	22	1742	2007	3	RIBBON, RESURFACE
12	SAINT JOHN DR	GINO LN	GINO LN	752	22	1638	2008	3	RIBBON, RESURFACE
12	SAINT JOHN DR	GINO LN	OLD BARN RD	2452	22	5449	2008	3	RIBBON, RESURFACE
12	SUNSET CT	OLD BARN RD	NORTH CDS	120	22	825	2007	3	RIBBON, RESURFACE
12	YALE CT	HARVARD LN	EAST CDS	175	21.5	1335	2004	5	RIBBON, RESURFACE
13	ARROWWOOD DR	SYCAMORE DR	SOUTH CDS	1750	22	4762	2009	3	RIBBON, RESURFACE
13	BOXWOOD DR	MIDDLETREE LN	ARROWWOOD DR	731	22	1624	2009	3	RIBBON, RESURFACE
13	BRIGHTON CT	MARK DR	EAST CDS	235	22	1198	2008	3	RIBBON, RESURFACE
13	CANTERBURY LN	MARK DR	EAST CDS	245	22	1251	2008	3	RIBBON, RESURFACE
13	COBBLEWOOD LN	NORTH TRAIL	SOUTH CDS	1250	22	3850	2007	3	RIBBON, RESURFACE
13	DORSET CT	NORTH TRAIL	SOUTH CDS	142	22	991	2007	3	RIBBON, RESURFACE
13	EDWARD LN	MARK DR	EAST CDS	500	22	1713	2008	3	RIBBON, RESURFACE
13	ELDERBERRY DR	MIDDLETREE LN	EAST END	722	22	1604	2009	3	RIBBON, RESURFACE
13	ESSEX CT	MARK DR	EAST CDS	300	22	1390	2008	3	RIBBON, RESURFACE
13	HAMPTON LN	MARK DR	EAST CDS	295	22	1411	2008	3	RIBBON, RESURFACE
13	JAMES DR	MARK DR	JOHN DR	480	22	1067	2008	3	RIBBON, RESURFACE
13	JAMIE LN	MARK DR	TRENT RD	592	22	1316	2008	3	RIBBON, RESURFACE
13	LISA LN	MARK DR	EAST CDS	886	22	2473	2008	3	RIBBON, RESURFACE
13	MARK DR	DARLINGTON DR	SOUTH CDS	5200	22	12232	2008	3	RIBBON, RESURFACE
13	MIDDLETREE LN	SYCAMORE DR	SOUTH CDS	2056	22	5532	2009	3	RIBBON, RESURFACE
13	NEW HAVEN DR	COBBLEWOOD LN	VILLAGE LIMIT	443	22	984	2007	3	RIBBON, RESURFACE
13	NEWBURY CT	MARK DR	EAST CDS	300	22	1269	2008	3	RIBBON, RESURFACE
13	REDWOOD LN	NORTH TRAIL	OLD MCHENRY RD	231	35	847	2007	3	RIBBON, RESURFACE
13	REDWOOD LN	MARK DR	OLD MCHENRY RD	330	36	1247	2007	3	RIBBON, RESURFACE
13	ROBERT CT	MARK DR	EAST CDS	284	22	1023	2008	3	RIBBON, RESURFACE
13	SYCAMORE DR	NORTH CDS	SOUTH CDS	2521	22	6390	2007	3	RIBBON, RESURFACE
13	WILD WAY	MARK DR	WEST END	270	22	600	2008	3	RIBBON, RESURFACE
14	BEDFORD CT	CHESTNUT CT	EAST CDS	150	22	1311	2009	3	RIBBON, RESURFACE
14	CHESTNUT CT	NORTH CDS	SOUTH CDS	1345	22	5158	2009	3	RIBBON, RESURFACE
14	DORCHESTER CT	HIGHLAND DR	NORTH CDS	656	22	2548	2009	3	RIBBON, RESURFACE
14	EAST PRAIRE CT	REGAN LN	EAST CDS	253	22	1657	2009	3	RIBBON, RESURFACE
14	HAWTHORN COMMUNITY PARK	QUENTIN RD	CHESTNUT CT	220	22	5360	UNKNOWN	6	LOT WITH CURB AND GUTTER, FULL DEPTH
14	HIGHLAND DR	EAST CDS	JOSHUA DR	704	26	2193	2009	3	RIBBON, RESURFACE
14	JESSICA CT	EAST CDS	JOSHUA DR	642	25	2898	UNKNOWN	3	CURB AND GUTTER, RESURFACE

VILLAGE OF HAWTHORN WOODS
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EXHIBIT 3
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YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
14	JOSHUA DR	RESERVE CT	SOUTH END	645	22	1577	2009	3	CURB AND GUTTER, RESURFACE
14	JOSHUA DR	REGAN LN	RESERVE CT	1445	22	4346	2009	4	RIBBON, RESURFACE
14	REED CT	REGAN LN	NORTH CDS	314	22	1661	2009	3	RIBBON, RESURFACE
14	REGAN LN	GILMER RD	W, PRAIRIE CT	1336	22	2969	2009	3	RIBBON, RESURFACE
14	RESERVE CT	JOSHUA DR	WEST CDS	665	22	2317	2009	3	RIBBON, RESURFACE
14	WALNUT DR	LAGOON DR	HICKORY RD	656	20	1460	2005	4	RIBBON, RESURFACE
14	WELLESLEY CT	CHESTNUT CT	WEST CDS	105	22	1220	2009	3	RIBBON, RESURFACE
14	WEST PRAIRIE CT	REGAN LN	WEST CDS	705	22	2440	2009	3	RIBBON, RESURFACE
15	BRIDLE PATH	MILTON RD	NORTH TRAIL	853	22	2085	2006	4	RIBBON, RESURFACE
15	DEERFIELD DR	FOREST VIEW DR	NORTH TRAIL	3300	22	8067	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	DERBY LN	STEEPLECHASE DR	NORTH END	318	22	777	2006	3	RIBBON, RESURFACE
15	EQUESTRIAN WAY	NORTH TRAIL	NORTH END	1825	22	4639	2006	2	CURB AND GUTTER, RESURFACE
15	FOREST VIEW DR	KRUCKENBERG RD	DEERFIELD DR	1400	22	3422	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	FURLONG DR	NORTH TRAIL	EAST END	535	22	1308	2006	3	RIBBON, RESURFACE
15	GREEN BIRAR LN	EAST CDS	WEST CDS	1871	22	5067	2008	3	RIBBON, RESURFACE
15	GREENFIELD CT	DEERFIELD DR	NORTH CDS	350	22	856	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	MOOREGATE TRAIL	330 W OF EQUESTRIAN WAY	EQUESTRIAN WAY	330	25	917	UNKNOWN	2	CURB AND GUTTER, RESURFACE
15	NORTH TRAIL	WESTWIND CT	FURLONG DR	1283	22	3136	2006	3	RIBBON, RESURFACE
15	NORTH TRAIL	WESTWIND CT	SOUTH CDS	2827	22	6974	2007	3	RIBBON, RESURFACE
15	NORTH TRAIL	NORTH TRAIL	FURLONG DR	3560	22	8702	2006	3	RIBBON, RESURFACE
15	PADDOCK CT	NORTH TRAIL	NORTH CDS	340	22	831	2006	3	RIBBON, RESURFACE
15	SADDLE RIDGE CT	EQUESTRIAN WAY	EAST CDS	650	22	1589	UNKNOWN	2	CURB AND GUTTER, RESURFACE
15	SAINT JOHN DR	GREENBRIAR LN	GILMER RD	740	22	1644	2008	3	RIBBON, RESURFACE
15	SPRING CREEK CT	FOREST VIEW DR	EAST CDS	330	22	807	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	STEEPLECHASE DR	FURLONG DR	SOUTH CDS	1790	22	4376	2006	3	RIBBON, RESURFACE
15	STONE RIDGE CT	EQUESTRIAN WAY	END CDS	350	22	856	UNKNOWN	2	CURB AND GUTTER, RESURFACE
15	WESTWIND CT	NORTH TRAIL	WEST CDS	595	22	2450	2006	3	RIBBON, RESURFACE
NOT ACCEPTED	ACACIA DR	ALDER CT	CATALPA DR	1600	24	4267	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	ALDER CT	ENSELL RD	SOUTH CDS	710	24	2611	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	ANDREW LN	CARDINAL DR	SOUTH END	375	22	917	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	CARDINAL DR	250 S OF FALCON DR	GILMER RD	2410	22	5891	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	CATALPA CT	EMPRESS DR	VILLAGE LIMIT	1000	24	2667	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	COSTEKN CT	IL RTE 176	NORTH CDS	730	24	2494	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	EAST PETER LN	CARDINAL DR	EAST CDS	730	22	1784	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	EMPRESS DR	ENSELL RD	CATALPA DR	2400	24	6400	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	ENSELL RD	QUENTIN RD	ALDER CT	320	40	12800	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	NORTH ACACIA CT	ACACIA DR	ACACIA DR	150	24	900	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	NORTH EMPRESS CT	EMPRESS DR	EMPRESS DR	125	25	822	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	SOUTH EMPRESS CT	EMPRESS DR	EMPRESS DR	90	24	822	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	WEST PETER LN	CARDINAL DR	SOUTH CDS	1315	22	3214	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	WEST SEQUOIA DR	CATALPA DR	NORTH CDS	900	24	3107	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER

EXHIBIT #3A
PAVEMENT EVALUATION DATABASE SPREADSHEET
(IN ORDER BY PCI FROM 1-10)

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

EXHIBIT 3A
DECEMBER 19, 2012
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YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
11	OLD LAKE RD	38 OLD LAKE DR		EAST CDS	775	22	2570	2006	1	UNDER CONSTRUCTION, RESURFACE
15	EQUESTRIAN WAY	NORTH TRAIL		450' S OF MOOREGATE TR	1825	22	4639	2006	2	CURB AND GUTTER, RESURFACE
15	MOOREGATE TRAIL	330' W OF EQUESTRIAN WAY		EQUESTRIAN WAY	330	25	917	UNKNOWN	2	CURB AND GUTTER, RESURFACE
15	SADDLE RIDGE CT	EQUESTRIAN WAY		EAST CDS	650	22	1589	UNKNOWN	2	CURB AND GUTTER, RESURFACE
15	STONE RIDGE CT	EQUESTRIAN WAY		END CDS	350	22	856	UNKNOWN	2	CURB AND GUTTER, RESURFACE
2	FOXTAIL RD	FOXTAIL RD		NORTH CDS	1570	22	3638	2002	3	NO RIBBON, FULL DEPTH
3	MILTON RD	WINDING BRANCH RD		VILLAGE LIMIT	495	22	1210	2000	3	NO RIBBON, FULL DEPTH
3	MILTON RD	VILLAGE LIMIT		VILLAGE LIMIT	1165	22	2848	2000	3	NO RIBBON, FULL DEPTH
3	MOOREGATE TRAIL	WEST CDS		330' W OF EQUESTRIAN WAY	1750	21	4790	2000	3	NO RIBBON, FULL DEPTH
3	THORNFIELD LN	MOOREGATE TRAIL		SOUTH CDS	424	22	1036	2000	3	NO RIBBON, FULL DEPTH
4	CARLISLE RD	FALKIRK RD		GLEN RD	1729	22	4333	1987	3	RIBBON, FULL DEPTH
4	HARVEST GLEN CT	STONE CREEK RD		SOUTH CDS	332	22	1833	2009	3	RIBBON, RESURFACE
5	SEQUOIA RD	BLACKHAWK RD		EAST CDS	945	22	2705	2005	3	RIBBON, RESURFACE
5	SHENANDOAH LN	SEQUOIA RD		NORTH CDS	675	22	2325	2005	3	RIBBON, RESURFACE
5	UNIVERSITY CT	CARLISLE RD		CARLISLE RD	1500	22	4327	2008	3	RIBBON, RESURFACE
6	GOLF CREST DR	SOUTH CDS		NORTH CDS	795	25	2208	UNKNOWN	3	CURB AND GUTTER, RESURFACE
6	SCARLET OAK DR	OWENS DR		GOLF CREST DR	593	25	1647	UNKNOWN	3	CURB AND GUTTER, RESURFACE
6	THORNFIELD LN	PHEASANT RUN RD		NORTH CDS	725	22	2700	2005	3	RIBBON, RESURFACE
7	AQUATIC CENTER				980		8731	UNKNOWN	3	LOT WITH CURB AND GUTTER, FULL DEPTH
7	HERITAGE OAKS PARK				3900		13545	UNKNOWN	3	LOT WITH CURB AND GUTTER, FULL DEPTH
7	HOLMES AVE	KATHY LN		FAIRFIELD RD	275	22.5	770	2004	3	RIBBON, RESURFACE
8	ABERDEEN RD	DARLINGTON DR		DARLINGTON DR	1920	22	4267	2009	3	RESURFACE
8	BRIERWOODS CT	BRIERWOODS LN		NORTH CDS	100	100	875	2005	3	RIBBON, RESURFACE
8	ENCLAVE WAY	JOHN DR		SOUTH CDS	407	24	1993	2009	3	RIBBON, RESURFACE
8	HEATHER LN	QUENTIN RD		WEST CDS	1601	22	3914	2005	3	RIBBON, RESURFACE
8	HERON CT	DARLINGTON DR		EAST CDS	276	22	1078	2009	3	RIBBON, RESURFACE
8	JAMES DR	JANE CT		JOHN DR	1158	22	2573	2009	3	RIBBON, RESURFACE
8	JOHN DR	DARLINGTON DR		SOUTH CDS	478	22	1168	2006	3	RIBBON, RESURFACE
8	JUEL DR	DARLINGTON DR		ENCLAVE WAY	1894	22	4209	2009	3	RIBBON, RESURFACE
8	JOHN DR	DARLINGTON DR		ELM ST	1606	22	3926	2006	3	RIBBON, RESURFACE
8	NORBERT DR	DARLINGTON DR		JOHN DR	1844	22	4088	2009	3	RIBBON, RESURFACE
8	PIPER LN	MCGREGOR CT		HEATHER LN	1050	21.5	3345	2005	3	RIBBON, RESURFACE
8	TRENT RD	DARLINGTON DR		DARLINGTON DR	2165	21	5055	2005	3	RIBBON, RESURFACE
9	SCHWERTMAN RD	OWENS DR		175' EAST OF MILTON	1066	22	2606	UNKNOWN	3	NO RIBBON, FULL DEPTH
10	CIRCLE DR	OLD MCHENRY RD		CIRCLE DR	950	21	2220	2005	3	RIBBON, RESURFACE
10	CONDOR CT	ROSEWOOD DR		WEST CDS	166	22	1014	2007	3	RIBBON, RESURFACE
10	GLEN RD	ORCHARD LN		LYNN DR	1007	22	2462	2006	3	RIBBON, RESURFACE
10	IVY LN	ROSEWOOD DR		VILLAGE LIMIT	265	22	589	2007	3	RIBBON, RESURFACE
10	LYNN DR	HICKORY RD		LAGOON DR	793	21	1850	2005	3	RIBBON, RESURFACE
10	LYNN DR	GLEN RD		ROSEWOOD DR N	1017	22	2260	2007	3	RIBBON, RESURFACE
10	ORCHARD LN	ROSEWOOD DR		LAGOON DR	1981	22	4402	2007	3	RIBBON, RESURFACE
10	ROSEWOOD DR	280' W OF LYNN DR		NORTH END	2007	22	5406	2007	3	RIBBON, RESURFACE
10	ROSEWOOD DR	LYNN DR		280' W OF LYNN DR	2360	22	6126	2007	3	RIBBON, RESURFACE
11	AHO DR	SENECA EAST AV		EAST END	190	22	422	2009	3	RIBBON, RESURFACE

VILLAGE OF HAWTHORN WOODS
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EXHIBIT 3A
DECEMBER 19, 2012
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YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
11	ANNE CT	SOUTH CDS	DEER POINT DR	446	26	2179	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	BARBERRY CT	OLD LAKE RD	NORTH CDS	815	22	1503	2006	3	RIBBON, RESURFACE
11	BIRCH LAKES DR	DEER POINT DR	FAIRFIELD RD	1301	22	3180	2006	3	RIBBON, RESURFACE
11	CAYUGA CT	SENECA EAST AV	WEST CDS	520	22	1944	2009	3	RIBBON, RESURFACE
11	CONESUS CT	SENECA EAST AV	WEST CDS	220	22	1244	2009	3	RIBBON, RESURFACE
11	DEER POINT DR	GOVERNORS WAY	BRIDGE E OF ANNE CT	834	26	2408	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	DEER POINT DR	BRIDGE E OF ANNE CT	OLD LAKE RD	3281	22	8020	2006	3	RIBBON, RESURFACE
11	DURANGO CT	DEER POINT DR	NORTH CDS	275	22	672	2006	3	RIBBON, RESURFACE
11	GOVERNORS CT	OLIVERS WAY	WEST CDS	350	25	1880	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	GOVERNORS WAY	230' EAST OF GENTRY DR	OLIVERS WAY	2090	25	5806	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	HIGH POINT CI	HIGH POINT DR	EAST CDS	250	22	611	2006	3	RIBBON, RESURFACE
11	HIGH POINT DR	BIRCH LAKES DR	NORTH CDS	1267	22	3097	2006	3	RIBBON, RESURFACE
11	KEUKA CT	SENECA EAST AV	WEST CDS	185	22	1134	2009	3	RIBBON, RESURFACE
11	MULBERRY DR	315' E OF COPPERFIELD DR	OLD MCHENRY RD	1206	22	2948	2006	3	RIBBON, RESURFACE
11	OLD LAKE RD	MULBERRY DR	38 OLD LAKE DR	1566	22	3828	2006	3	RIBBON, RESURFACE
11	OLIVERS WAY	GOVERNORS WAY	LACHANORA DR	776	26	2242	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	ONEIDA LN	WASHITAY AV	SENECA WEST AV	1362	22	3027	2009	3	RIBBON, RESURFACE
11	OVERLOOK DR	DEER POINT DR	NORTH CDS	467	22	1142	2006	3	RIBBON, RESURFACE
11	ROSE LN	OLIVERS WAY	EAST CDS	543	26	2531	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	SENECA EAST AV	WASHITAY AV	INDIAN CREEK	2085	22	4656	2009	3	RIBBON, RESURFACE
11	WAKIA CT	SENECA WEST AV	EAST CDS	195	22	1156	2009	3	RIBBON, RESURFACE
12	CAMBRIDGE DR	CARLISLE RD	GILMER RD	2337	22	5193	2007	3	RIBBON, RESURFACE
12	CHERRY HILL CI	WAKIA CT	SENECA WEST AV	645	22	2094	2008	3	RIBBON, RESURFACE
12	GINO LN	GINO LN	NORTH CDS	1000	22	2222	2008	3	CURB AND GUTTER, RESURFACE
12	HARVARD LN	HAWTHORN GROVE DR	360' E OF HAWTHORN GROVE DR	1278	22	3124	2008	3	RIBBON, RESURFACE
12	HILLCREST DR	CAMBRIDGE DR	CAMBRIDGE DR	426	22 to 55	2244	2007	3	CURB AND GUTTER, RESURFACE
12	HILLTOP CT	VILLAGE LIMIT	LAKEVIEW RD	142	22	902	2007	3	RIBBON, RESURFACE
12	KAREN CT	OLD BARN RD	NORTH CDS	215	22	1233	2008	3	RIBBON, RESURFACE
12	LAKEVIEW RD	HILLCREST DR	SOUTH CDS	2195	22	5366	2007	3	RIBBON, RESURFACE
12	MAGNOLIA PKWY	SAINT JOHN RD	WEST CDS	787	22	2510	2008	3	RIBBON, RESURFACE
12	MARY LN	SAINT JOHN RD	WEST CDS	458	22	1694	2008	3	RIBBON, RESURFACE
12	OLD BARN RD	HILLCREST DR	VILLAGE LIMIT	3302	22	7338	2007	3	RIBBON, RESURFACE
12	PARK VIEW LN	OLD MCHENRY DR	EAST END	2000	21	5232	2007	3	CURB AND GUTTER, RESURFACE
12	PRINCETON LN	CAMBRIDGE DR	NORTH CDS	708	22	2312	2007	3	RIBBON, RESURFACE
12	PUBLIC ST	HILLCREST DR	NORTH END	420	22	1027	2008	3	RIBBON, RESURFACE
12	QUAIL HOLLOW CT	SOUTH CDS	NORTH CDS	500	22	1742	2007	3	RIBBON, RESURFACE
12	SAINT JOHN DR	GILMER RD	GINO LN	762	22	1838	2008	3	RIBBON, RESURFACE
12	SAINT JOHN DR	GINO LN	OLD BARN RD	2452	22	5449	2008	3	RIBBON, RESURFACE
12	SUNSET CT	OLD BARN RD	NORTH CDS	120	22	825	2007	3	RIBBON, RESURFACE
13	ARROWWOOD DR	SYCAMORE DR	SOUTH CDS	1750	22	4762	2009	3	RIBBON, RESURFACE
13	BOXWOOD DR	MIDDLE TREE LN	ARROWWOOD DR	731	22	1624	2009	3	RIBBON, RESURFACE
13	BRIGHTON CT	MARK DR	EAST CDS	235	22	1198	2008	3	RIBBON, RESURFACE
13	CANTERBURY LN	MARK DR	EAST CDS	245	22	1251	2008	3	RIBBON, RESURFACE
13	COBBLEWOOD LN	NORTH TRAIL	SOUTH CDS	1250	22	3850	2007	3	RIBBON, RESURFACE
13	DORSET CT	NORTH TRAIL	SOUTH CDS	142	22	991	2007	3	RIBBON, RESURFACE
13	EDWARD LN	MARK DR	EAST CDS	500	22	1713	2008	3	RIBBON, RESURFACE
13	ELDERBERRY DR	MIDDLE TREE LN	EAST END	722	22	1604	2009	3	RIBBON, RESURFACE
13	ESSEX CT	MARK DR	EAST CDS	300	22	1390	2008	3	RIBBON, RESURFACE
13	HAMPTON LN	MARK DR	EAST CDS	295	22	1411	2008	3	RIBBON, RESURFACE

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

EXHIBIT 3A
DECEMBER 19, 2012
REVISED MARCH 8, 2013

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
13	JAMES DR	MARK DR	JOHN DR	480	22	1067	2008	3	RIBBON, RESURFACE
13	JAMIE LN	MARK DR	TRENT RD	592	22	1316	2008	3	RIBBON, RESURFACE
13	LISA LN	MARK DR	EAST CDS	886	22	2473	2008	3	RIBBON, RESURFACE
13	MARK DR	DARLINGTON DR	SOUTH CDS	5200	22	12232	2008	3	RIBBON, RESURFACE
13	MIDDLETREE LN	SYCAMORE DR	SOUTH CDS	2056	22	5532	2009	3	RIBBON, RESURFACE
13	NEW HAVEN DR	COBBLEWOOD LN	VILLAGE LIMIT	443	22	984	2007	3	RIBBON, RESURFACE
13	NEWBURY CT	MARK DR	EAST CDS	300	22	1269	2008	3	RIBBON, RESURFACE
13	REDWOOD LN	NORTH TRAIL	OLD MCHENRY RD	231	35	847	2007	3	RIBBON, RESURFACE
13	REDWOOD LN	OLD MCHENRY RD	SYCAMORE DR	330	36	1247	2007	3	RIBBON, RESURFACE
13	ROBERT CT	MARK DR	EAST CDS	284	22	1023	2008	3	RIBBON, RESURFACE
13	SYCAMORE DR	NORTH CDS	SOUTH CDS	2521	22	6390	2007	3	RIBBON, RESURFACE
13	WILD WAY	MARK DR	WEST END	270	22	600	2008	3	RIBBON, RESURFACE
14	BEDFORD CT	CHESTNUT CT	EAST CDS	150	22	1311	2009	3	RIBBON, RESURFACE
14	CHESTNUT CT	NORTH CDS	SOUTH CDS	1345	22	5158	2009	3	RIBBON, RESURFACE
14	DORCHESTER CT	HIGHLAND DR	NORTH CDS	656	22	2548	2009	3	RIBBON, RESURFACE
14	EAST PRAIRIE CT	REGAN LN	EAST CDS	253	22	1657	2009	3	RIBBON, RESURFACE
14	HIGHLAND DR	QUENTIN RD	CHESTNUT CT	704	26	2193	2009	3	RIBBON, RESURFACE
14	JESSICA CT	EAST CDS	JOSHUA DR	642	25	2898	UNKNOWN	3	CURB AND GUTTER, RESURFACE
14	JOSHUA DR	RESERVE CT	SOUTH END	645	22	1577	2009	3	CURB AND GUTTER, RESURFACE
14	REED CT	REGAN LN	NORTH CDS	314	22	1661	2009	3	RIBBON, RESURFACE
14	REGAN LN	GILMER RD	W. PRAIRIE CT	1336	22	2969	2009	3	RIBBON, RESURFACE
14	RESERVE CT	JOSHUA DR	WEST CDS	665	22	2317	2009	3	RIBBON, RESURFACE
14	WELLESLEY CT	CHESTNUT CT	WEST CDS	105	22	1220	2009	3	RIBBON, RESURFACE
14	WEST PRAIRIE CT	REGAN LN	WEST CDS	705	22	2440	2009	3	RIBBON, RESURFACE
15	DERBY LN	STEEPLECHASE DR	NORTH END	318	22	777	2006	3	RIBBON, RESURFACE
15	FURLONG DR	NORTH TRAIL	EAST END	535	22	1308	2006	3	RIBBON, RESURFACE
15	GREEN BRIAR LN	EAST CDS	WEST CDS	1671	22	5067	2008	3	RIBBON, RESURFACE
15	NORTH TRAIL	WESTWIND CT	FURLONG DR	1283	22	3136	2006	3	RIBBON, RESURFACE
15	NORTH TRAIL	WESTWIND CT	SOUTH CDS	2827	22	6974	2007	3	RIBBON, RESURFACE
15	PADDOCK CT	NORTH TRAIL	FURLONG DR	3560	22	8702	2006	3	RIBBON, RESURFACE
15	SAINT JOHN DR	GREENBRIAR LN	NORTH CDS	340	22	831	2006	3	RIBBON, RESURFACE
15	STEEPLECHASE DR	FURLONG DR	GILMER RD	740	22	1644	2008	3	RIBBON, RESURFACE
15	WESTWIND CT	NORTH TRAIL	SOUTH CDS	1790	22	4376	2006	3	RIBBON, RESURFACE
15	HAWTHORN DR	CIRCLE DR	WEST CDS	595	22	2450	2006	3	RIBBON, RESURFACE
3	ACORN DR	OLD MCHENRY RD	VICTORIA LN	450	21	1050	2001	4	NO RIBBON, FULL DEPTH
3	BIXTONE LN	BRUCE CI NORTH	BRUCE CI SOUTH	1830	21	4270	UNKNOWN	4	NO RIBBON, FULL DEPTH
3	BRUCE CI SOUTH	SOUTH CDS	NORTH CDS	580	22	2015	2004	4	RIBBON, RESURFACE
3	EQUESTRIAN WAY	VILLAGE LIMIT	450' S OF MOOREGATE TR	1345	22	3288	2001	4	RIBBON, RESURFACE
3	MILTON RD	COPPERFIELD DR	VILLAGE LIMIT	450	22	1760	UNKNOWN	4	NO RIBBON, FULL DEPTH
4	CHANCELLOR CT	STONE CREEK RD	SOUTH CDS	1550	22	3789	2000	4	NO RIBBON, FULL DEPTH
4	CHANTILLY LN	STONE CREEK RD	WEDGEWOOD DR	262	22	1395	2003	4	RIBBON, RESURFACE
4	ECHO LAKE RD	GENTRY DR	MILLER RD	760	22	2596	2003	4	RIBBON, RESURFACE
4	GOVERNORS WAY	GENTRY DR	230' EAST OF GENTRY DR	485	23	1239	2000	4	NO RIBBON, FULL DEPTH
4	MEADOW LN NORTH	NORTH CDS	STONE CREEK DR	230	22	562	2003	4	RIBBON, RESURFACE
4	MEADOW LN SOUTH	SOUTH CDS	STONE CREEK DR	188	22	1934	2009	4	RIBBON, RESURFACE
4				576	22	1408	2009	4	RIBBON, RESURFACE

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4	OWENS RD	SCHWERMAN RD	VILLAGE LIMIT	191	20	424	UNKNOWN	4	NO RIBBON, FULL DEPTH
4	STONE CREEK RD	ECHO LAKE RD	EAST END	1395	22	3100	2009	4	RIBBON, RESURFACE
5	CHARLESTON CT	HAWTHORN GROVE CI	SOUTH CDS	430	22	1051	UNKNOWN	4	CURB AND GUTTER, RESURFACE
5	KENSINGTON CT	HAWTHORN GROVE DR	NORTH CDS	670	22	1638	UNKNOWN	4	CURB AND GUTTER, RESURFACE
6	BENT TREE CT	FOX HUNT TR	WEST CDS	680	22	2825	2004	4	RIBBON, RESURFACE
6	FOX HUNT CT	FOX HUNT TR	EAST CDS	250	22.5	1515	2004	4	RIBBON, RESURFACE
6	FOX HUNT TR	PHEASANT RUN RD	OLD MCHENRY RD	1000	22	2480	2004	4	RIBBON, RESURFACE
6	GLEN RD	DARLINGTON DR	CARLISLE RD	878	22	2146	2006	4	RIBBON, RESURFACE
6	INDIAN CREEK RD	GILMER RD	VILLAGE LIMIT	6635	21	17520	2004	4	RIBBON, RESURFACE
6	ONONDAGA DR	SENECA EAST AV	SENECA WEST AV	1556	22	3804	2006	4	RIBBON, RESURFACE
6	PHEASANT RUN RD	THORNFIELD LN	THORNFIELD LN	3270	21.5	7850	2004	4	RIBBON, RESURFACE
6	RUTGERS CT	INDIAN CREEK RD	EAST CDS	1050	21	3450	2005	4	RIBBON, RESURFACE
6	SENECA WEST AVE	SOUTH CDS	INDIAN CREEK RD	1443	22	4234	2003	4	RIBBON, RESURFACE
6	THORNFIELD LN	PHEASANT RUN RD	MOOREGATE TRAIL	1093	22	2429	2009	4	RIBBON, RESURFACE
6	WOODED LN	WINDING BRANCH RD	MILTON RD	525	21.5	1255	2004	4	RIBBON, RESURFACE
7	BYRON CT	KATHY LN	SOUTH CDS	199	22	1193	2004	4	RIBBON, RESURFACE
7	COOPER CT	NORTH LN	SOUTH CDS	120	22	1345	2004	4	RIBBON, RESURFACE
7	DAVID LN	NORTH END	SOUTH END	1335	22	3665	2004	4	RIBBON, RESURFACE
7	WHITMAN TERRACE	EAST VILLAGE LIMIT	WEST CDS	2470	22.5	7195	2004	4	RIBBON, RESURFACE
8	ACORN DR	KATHY LN	DAVID LN	1725	22	4270	2004	4	RIBBON, RESURFACE
8	ACORN DR	BRUCE CI SOUTH	ROBINCREST DR	580	22	1578	2005	4	RIBBON, RESURFACE
8	BRIERWOODS LN	OLD MCHENRY RD	12 ACORN DR	1035	22	2685	2005	4	RIBBON, RESURFACE
8	BRUCE CI	BRUCE CI	VILLAGE LIMIT	1791	22	4378	2005	4	RIBBON, RESURFACE
8	ECHO CT	WAYNE LN	SOUTH CDS	1055	22	2579	2005	4	RIBBON, RESURFACE
8	HIGHLAND TERRACE	BRUCE CI NORTH	ACORN DR	2746	22	6712	2005	4	RIBBON, RESURFACE
8	LYDIA CT	ACORN DR	SOUTH CDS	658	21	1895	2005	4	RIBBON, RESURFACE
8	MCGREGOR CT	HEATHER LN	MCGREGOR CT	555	22	1395	2005	4	RIBBON, RESURFACE
8	ROBIN CREST RD	WEST CDS	EAST CDS	582	20	1900	2005	4	RIBBON, RESURFACE
8	ROBIN CREST RD	EAST CDS	PIPER LN	690	22	2510	2005	4	RIBBON, RESURFACE
8	TANGLEWOOD CT	ACORN DR	ACORN DR	370	21	1355	2005	4	RIBBON, RESURFACE
8	TANGLEWOOD LN	TANGLEWOOD LN	BRUCE CI SOUTH	1340	21	3130	2005	4	RIBBON, RESURFACE
8	WAYNE LN	BRIERWOODS LN	NORTH CDS	426	22	1920	2005	4	RIBBON, RESURFACE
9	SCHWERMAN RD	BRUCE CI	WEST END	726	22	1775	2005	4	RIBBON, RESURFACE
10	DARLINGTON DR	175' EAST OF MILTON	NORTH CDS	414	22	1645	2005	4	RIBBON, RESURFACE
10	GLEN RD	OLD MCHENRY RD	GILMER RD	4842	22	17451	UNKNOWN	4	RIBBON, RESURFACE
10	LAGOON DR	JUJEL DR	JUJEL DR	2095	22	5125	2005	4	RIBBON, RESURFACE
10	LAGOON DR	LYNN DR	GILMER RD	4265	22	10430	2005	4	RIBBON, RESURFACE
10	LAGOON DR	WALNUT DR	EAST CDS	855	22	2605	2006	4	RIBBON, RESURFACE
10	LYNN DR	OLD MCHENRY RD	FALKIRK RD	620	22	1516	2005	4	RIBBON, RESURFACE
10	OAK LN	LAGOON DR	WALNUT DR	2770	22	6775	2005	4	RIBBON, RESURFACE
10	SENECA WEST AV	WEST END	GLEN RD	3686	22	8213	2007	4	RIBBON, RESURFACE
11	WASHITAY AV	INDIAN CREEK RD	CIRCLE DR	585	21	1365	2005	4	RIBBON, RESURFACE
11	DARTMOUTH LN	SENECA WEST AV	WASHITAY AV	1763	22	4310	2006	4	RIBBON, RESURFACE
12	GINO LN	CAMBRIDGE DR	VILLAGE LIMIT	1852	22	4527	2006	4	RIBBON, RESURFACE
12		360' E OF HAWTHORN GROVE DR	SAINT JOHN RD	385	21.5	960	2004	4	RIBBON, RESURFACE
12				1260	22	3080	2008	4	RIBBON, RESURFACE

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12	PARK PLACE CI	PARK VIEW LN	END CDS	END CDS	1040	25	2889	UNKNOWN	4	CURB AND GUTTER, RESURFACE
14	JOSHUA DR	REGAN LN	RESERVE CT	RESERVE CT	1445	20	4346	2009	4	RIBBON, RESURFACE
14	WALNUT DR	LAGOON DR	HICKORY RD	HICKORY RD	656	20	1460	2005	4	RIBBON, RESURFACE
15	BRIDLE PATH	MILTON RD	NORTH TRAIL	NORTH TRAIL	853	22	2095	2006	4	RIBBON, RESURFACE
15	DEERFIELD DR	FOREST VIEW DR	NORTH END	NORTH END	3300	22	8067	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	FOREST VIEW DR	KRUCKENBERG RD	DEERFIELD DR	DEERFIELD DR	1400	22	3422	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	GREENFIELD CT	DEERFIELD DR	NORTH CDS	NORTH CDS	350	22	856	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	SPRING CREEK CT	FOREST VIEW DR	EAST CDS	EAST CDS	330	22	807	UNKNOWN	4	CURB AND GUTTER, RESURFACE
1	HAWTHORN DR	VICTORIA LN	HICKORY RD	HICKORY RD	305	21	712	2001	5	NO RIBBON, FULL DEPTH
1	JAMES CT	DARLINGTON RD	NORTH CDS	NORTH CDS	489	22	1195	1996	5	NO RIBBON, FULL DEPTH
1	VICTORIA LN	HAWTHORN DR	LAGOON DR	LAGOON DR	1057	21	2466	2005	5	RIBBON, RESURFACE
1	VILLAGE HALL LOT						2853	UNKNOWN	5	LOT, FULL DEPTH
2	BLACKHAWK RD	INDIAN CREEK RD	SEQUOIA RD	SEQUOIA RD	857	22	2095	1999	5	NO RIBBON, FULL DEPTH
4	CARLISLE RD	GLEN RD	N HIGHVIEW CI	N HIGHVIEW CI	983	22	2403	2006	5	RIBBON, RESURFACE
4	COPPERFIELD DR	OLD MCHENRY RD	CHANTILLY LN	CHANTILLY LN	5011	22 to 36	12799	2003	5	RIBBON, RESURFACE
4	ECHO LAKE RD	MILLER RD	VILLAGE LIMITS	VILLAGE LIMITS	510	22	1247	2000	5	NO RIBBON, FULL DEPTH
4	FALKIRK RD	LAGOON DR	FALKIRK RD	FALKIRK RD	789	22	1929	1997	5	NO RIBBON, FULL DEPTH
4	GENTRY DR	COPPERFIELD DR	BAGPIPE CT	BAGPIPE CT	1724	22	4214	2003	5	RIBBON, RESURFACE
4	LAGOON DR	FALKIRK RD	NORTH CDS	NORTH CDS	1467	22	3586	2003	5	RIBBON, RESURFACE
4	MULBERRY DR	COPPERFIELD DR	315' E OF COPPERFIELD DR	315' E OF COPPERFIELD DR	295	22	721	2003	5	RIBBON, RESURFACE
4	STONE HAVEN DR	CARLISLE RD	DARLINGTON DR	DARLINGTON DR	948	22	2317	2003	5	RIBBON, RESURFACE
4	WEDGEWOOD DR	COPPERFIELD DR	COPPERFIELD DR	COPPERFIELD DR	1458	22	3564	2003	5	RIBBON, RESURFACE
5	BLUE BIRD CT	FALCON DR	NORTH CDS	NORTH CDS	213	22	1227	2003	5	RIBBON, RESURFACE
5	BLUE JAY LN	MEADOWLARK DR	WEST END	WEST END	185	22	623	2003	5	RIBBON, RESURFACE
5	CARDINAL DR	SCHWERMANN RD	250' S OF FALCON DR	250' S OF FALCON DR	1275	22	3117	2003	5	RIBBON, RESURFACE
5	FALCON DR	PEREGRINE LN	MEADOWLARK DR	MEADOWLARK DR	2490	22	6087	2003	5	RIBBON, RESURFACE
5	GOLDFINCH CT	MEADOWLARK DR	EAST CDS	EAST CDS	324	22	1596	2003	5	RIBBON, RESURFACE
5	HARRINGTON CT	HAWTHORN GROVE DR	WEST CDS	WEST CDS	975	22	2383	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HAWTHORN GROVE CI	HAWTHORN GROVE DR	HAWTHORN GROVE DR	HAWTHORN GROVE DR	3100	22	7578	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HAWTHORN GROVE DR	GILMER RD	HAWTHORN GROVE CI	HAWTHORN GROVE CI	2300	22	5622	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HIGHVIEW CI	CARLISLE RD	CARLISLE RD	CARLISLE RD	1777	22	5757	2003	5	RIBBON, RESURFACE
5	MEADOWLARK DR	SOUTH END	SCHWERMANN	SCHWERMANN	2425	22	5928	2003	5	RIBBON, RESURFACE
5	ORIOLE CT	MEADOWLARK DR	WEST CDS	WEST CDS	274	22	1376	2003	5	RIBBON, RESURFACE
5	PEREGRINE LN	SOUTH CDS	WEST CDS	WEST CDS	1890	22	6033	2003	5	RIBBON, RESURFACE
5	SANDPIPER LN	WEST END	EAST CDS	EAST CDS	987	22	3135	2003	5	RIBBON, RESURFACE
5	SHEARWATER CT	MEADOWLARK DR	WEST CDS	WEST CDS	681	22	2387	2003	5	RIBBON, RESURFACE
6	WINDING BRANCH RD	MILTON RD	PHEASANT RUN RD	PHEASANT RUN RD	1425	21.5	3430	2004	5	RIBBON, RESURFACE
12	YALE CT	HARVARD LN	EAST CDS	EAST CDS	175	21.5	1335	2004	5	RIBBON, RESURFACE
1	ELM ST	DARLINGTON DR	LAGOON DR	LAGOON DR	2411	22	5894	2001	6	RIBBON, FULL DEPTH
1	ELMWOOD DR	MILLER RD	NORTH CDS	NORTH CDS	653	22	1596	2002	6	RIBBON, FULL DEPTH
1	HAWTHORN DR	HICKORY RD	OLD MCHENRY RD	OLD MCHENRY RD	900	22	2200	2001	6	NO RIBBON, FULL DEPTH
1	HICKORY LN	HAWTHORN DR	ELM ST	ELM ST	1033	22	2525	2001	6	NO RIBBON, FULL DEPTH
1	JUEL CI	ELM ST	SOUTH CDS	SOUTH CDS	498	22	1217	2001	6	NO RIBBON, FULL DEPTH
1	MILLER RD	VILLAGE LIMIT	CREEK CROSSING NE OF BRECKENRIDGE DR	CREEK CROSSING NE OF BRECKENRIDGE DR	1983	22	4847	2002	6	NO RIBBON, FULL DEPTH
2	ARTHUR CT	SOUTH CDS	GLEN RD	GLEN RD	500	22	1222	1999	6	NO RIBBON, FULL DEPTH
2	CAITAIL CT	FOXTAIL RD	NORTH CDS	NORTH CDS	268	22	655	2002	6	NO RIBBON, FULL DEPTH

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2	FOXTAIL RD	SQUIRE RD	EAST CDS	1050	22	2567	2002	6	NO RIBBON, FULL DEPTH
2	GLEN RD	SQUIRE RD	200' W OF ARTHUR CT	528	22	1291	1996	6	NO RIBBON, FULL DEPTH
2	GLEN RD	200' W OF ARTHUR CT	ORCHARD LN	1993	22	4872	1999	6	NO RIBBON, FULL DEPTH
2	LANCELOT LN	SQUIRE RD	GLEN RD	1220	22	2982	1999	6	NO RIBBON, FULL DEPTH
2	SEQUOIA RD	GILMER RD	BLACKHAWK RD	2384	22	5828	1996	6	NO RIBBON, FULL DEPTH
2	SQUIRE RD	FOXTAIL RD	SOUTH END	2078	22	5080	2002	6	NO RIBBON, FULL DEPTH
3	MILTON RD	OLD MCHENRY RD	WINDING BRANCH RD	710	22	1736	2000	6	NO RIBBON, FULL DEPTH
4	CARLISLE RD	DARLINGTON DR	N HIGHVIEW CI	2325	22	5863	2006	6	POOR CONDITION, RESURFACE
4	CROYDEN DR	STONEHAVEN DR	GLEN RD	1358	22	3320	2003	6	POOR CONDITION, RESURFACE
4	ECHO LAKE RD	OLD MCHENRY RD	STONE CREEK RD	1055	25	2931	2000	6	CURB AND GUTTER, POOR CONDITION, RESURFACE
4	FALKIRK RD	DARLINGTON DR	CARLISLE RD	941	22	2300	2003	6	POOR CONDITION, RESURFACE
14	HAWTHORN COMMUNITY PARK			220		5360	UNKNOWN	6	LOT WITH CURB AND GUTTER, FULL DEPTH
3	OWENS RD	GILMER RD	920' SOUTH OF GILMER RD	920	21	2348	2009	7	CURB AND GUTTER, FULL DEPTH
6	W KRUCKENBERG RD	MIDLOTHIAN RD	LIMIT	2840	22	6942	UNKNOWN	7	NO RIBBON, RESURFACE
1	PUBLIC WORKS FACILITY					2197	UNKNOWN	8	LOT, FULL DEPTH
3	OWENS RD	920' S OF GILMER RD	1355' S OF GILMER RD	435	21	1015	UNKNOWN	8	NO RIBBON, FULL DEPTH
3	OWENS RD	1355' S OF GILMER RD	SOUTH VILLAGE LIMIT	1480	21	3453	UNKNOWN	9	NO RIBBON, FULL DEPTH
9	KRUEGER RD	FAIRFIELD RD	MIDLOTHIAN RD	1718	22	4200	UNKNOWN	10	RECONSTRUCTION
NOT ACCEPTED	ACACIA DR	ALDER CT	CATALPA DR	1600	24	4267	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	ALDER CT	ENSELL RD	SOUTH CDS	710	24	2611	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	ANDREW LN	CARDINAL DR	SOUTH END	375	22	917	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	CARDINAL DR	250' S OF FALCON DR	GILMER RD	2410	22	5891	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	CATALPA CT	EMPRESS DR	VILLAGE LIMIT	1000	24	2667	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	COSTEKN CT	IL RTE 176	NORTH CDS	730	24	2494	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	EAST PETER LN	CARDINAL DR	EAST CDS	730	22	1784	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	EMPRESS DR	ENSELL RD	CATALPA DR	2400	24	6400	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	ENSELL RD	QUENTIN RD	ALDER CT	320	40	12800	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	NORTH ACACIA CT	ACACIA DR	ACACIA DR	150	24	900	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	NORTH EMPRESS CT	EMPRESS DR	EMPRESS DR	125	25	822	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	SOUTH EMPRESS CT	EMPRESS DR	EMPRESS DR	90	24	822	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	WEST PETER LN	CARDINAL DR	SOUTH CDS	1315	22	3214	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	WEST SEQUOIA DR	CATALPA DR	NORTH CDS	900	24	3107	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER

EXHIBIT #3B
PAVEMENT EVALUATION DATABASE SPREADSHEET
(IN ALPHABETICAL ORDER BY STREET NAME)

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EXHIBIT 3B
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8	ABERDEEN RD	DARLINGTON DR	DARLINGTON DR	1920	22	4267	2009	3	RESURFACE
NOT ACCEPTED	ACACIA DR	ALDER CT	CATALPA DR	1600	24	4267	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
3	ACORN DR	12 ACORN DR	BRUCE CI SOUTH	1830	21	4270	UNKNOWN	4	NO RIBBON, FULL DEPTH
8	ACORN DR	BRUCE CI SOUTH	ROBINGREST DR	580	22	1578	2005	4	RIBBON, RESURFACE
8	ACORN DR	OLD MCHENRY RD	12 ACORN DR	1035	22	2865	2005	4	RIBBON, RESURFACE
11	AHO DR	SENECA EAST AV	EAST END	190	22	422	2009	3	RIBBON, RESURFACE
NOT ACCEPTED	ALDER CT	ENSELL RD	SOUTH CDS	710	24	2611	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
NOT ACCEPTED	ANDREW LN	CARDINAL DR	SOUTH END	375	22	917	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
11	ANNE CT	SOUTH CDS	DEER POINT DR	446	26	2179	UNKNOWN	3	CURB AND GUTTER, RESURFACE
7	AQUATIC CENTER			980		8731	UNKNOWN	3	LOT WITH CURB AND GUTTER, FULL DEPTH
13	ARROWWOOD DR	SYCAMORE DR	SOUTH CDS	1750	22	4762	2009	3	RIBBON, RESURFACE
2	ARTHUR CT	SOUTH CDS	GLEN RD	500	22	1222	1999	6	NO RIBBON, FULL DEPTH
11	BARBERRY CT	OLD LAKE RD	NORTH CDS	615	22	1503	2006	3	RIBBON, RESURFACE
14	BEDFORD CT	CHESTNUT CT	EAST CDS	150	22	1311	2009	3	RIBBON, RESURFACE
6	BENT TREE CT	FOX HUNT TR	WEST CDS	680	22	2825	2004	4	RIBBON, RESURFACE
11	BIRCH LAKES DR	DEER POINT DR	FAIRFIELD RD	1301	22	3180	2006	3	RIBBON, RESURFACE
3	BIXTONE LN	OLD MCHENRY RD	NORTH CDS	580	22	2015	2004	4	RIBBON, RESURFACE
2	BLACKHAWK RD	INDIAN CREEK RD	SEQUOIA RD	857	22	2095	1999	5	NO RIBBON, FULL DEPTH
5	BLUE BIRD CT	FALCON DR	NORTH CDS	213	22	1227	2003	5	RIBBON, RESURFACE
5	BLUE JAY LN	MEADOWLARK DR	WEST END	185	22	623	2003	5	RIBBON, RESURFACE
13	BOXWOOD DR	MIDDLETREE LN	ARROWWOOD DR	731	22	1624	2009	3	RIBBON, RESURFACE
15	BRIDLE PATH	MILTON RD	NORTH TRAIL	853	22	2085	2006	4	RIBBON, RESURFACE
8	BRIERWOODS CT	BRIERWOODS LN	NORTH CDS	100	100	875	2005	3	RIBBON, RESURFACE
8	BRIERWOODS LN	BRUCE CI	VILLAGE LIMIT	1791	22	4378	2005	4	RIBBON, RESURFACE
13	BRIGHTON CT	MARK DR	EAST CDS	235	22	1198	2008	3	RIBBON, RESURFACE
8	BRUCE CI	WAYNE LN	SOUTH CDS	1055	22	2579	2005	4	RIBBON, RESURFACE
8	BRUCE CI NORTH	WAYNE LN	ACORN DR	2746	22	6712	2005	4	RIBBON, RESURFACE
3	BRUCE CI SOUTH	BRUCE CI NORTH	ACORN DR	1345	22	3288	2001	4	NO RIBBON, FULL DEPTH
7	BYRON CT	KATHY LN	SOUTH CDS	199	22	1193	2004	4	RIBBON, RESURFACE
12	CAMBRIDGE DR	CARLISLE RD	GILMER RD	2337	22	5193	2007	3	RIBBON, RESURFACE
13	CANTERBURY LN	MARK DR	EAST CDS	245	22	1251	2008	3	RIBBON, RESURFACE
5	CARDINAL DR	SCHWEMAN RD	250' S OF FALCON DR	1275	22	3117	2003	5	RIBBON, RESURFACE
NOT ACCEPTED	CARDINAL DR	250' S OF FALCON DR	GILMER RD	2410	22	5891	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
4	CARLISLE RD	FALKIRK RD	GLEN RD	1729	22	4333	1997	3	RIBBON, FULL DEPTH
4	CARLISLE RD	GLEN RD	N HIGHVIEW CI	983	22	2403	2006	5	RIBBON, RESURFACE
4	CARLISLE RD	DARLINGTON DR	N HIGHVIEW CI	2325	22	5683	2006	6	POOR CONDITION, RESURFACE
NOT ACCEPTED	CATALPA CT	EMPRESS DR	VILLAGE LIMIT	1000	24	2667	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
2	CATTAIL CT	FOXTAIL RD	WEST CDS	268	22	655	2002	6	NO RIBBON, FULL DEPTH
11	CAYUGA CT	SENECA EAST AV	WEST CDS	520	22	1944	2009	3	RIBBON, RESURFACE
4	CHANDLOR CT	COPPERFIELD DR	SOUTH CDS	262	22	1395	2003	4	RIBBON, RESURFACE
4	CHANTILLY LN	SOUTH CDS	WEDGEWOOD DR	760	22	2596	2003	4	RIBBON, RESURFACE
5	CHARLESTON CT	HAWTHORN GROVE CI	SOUTH CDS	430	22	1051	UNKNOWN	4	CURB AND GUTTER, RESURFACE
12	CHERRY HILL CI	GIND LN	NORTH CDS	645	22	2094	2008	3	RIBBON, RESURFACE
14	CHESTNUT CT	NORTH CDS	SOUTH CDS	1345	22	5158	2009	3	RIBBON, RESURFACE
10	CIRCLE DR	OLD MCHENRY RD	CIRCLE DR	950	21	2220	2005	3	RIBBON, RESURFACE

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13	COBBLEWOOD LN	NORTH TRAIL	SOUTH CDS	1250	22	3850	2007	3	RIBBON, RESURFACE
10	CONDOR CT	ROSEWOOD DR	WEST CDS	166	22	1014	2007	3	RIBBON, RESURFACE
11	CONESUS CT	SENECA EAST AV	WEST CDS	220	22	1244	2009	3	RIBBON, RESURFACE
7	KATHY LN	COOPER CT	SOUTH CDS	120	22	1345	2004	4	RIBBON, RESURFACE
4	COPPERFIELD DR	OLD MCHENRY RD	CHANTILLY LN	5011	22 to 36	12799	2003	5	RIBBON, RESURFACE
NOT ACCEPTED	COSTEKIN CT	IL RTE 176	NORTH CDS	730	24	2484	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
4	CROYDEN RD	STONEHAVEN DR	GLEN DR	1398	22	3320	2003	6	POOR CONDITION, RESURFACE
10	DARLINGTON DR	OLD MCHENRY RD	JUEL DR	2095	22	5125	2005	4	RIBBON, RESURFACE
10	DARLINGTON DR	JUEL DR	GILMER RD	4265	22	10430	2005	4	RIBBON, RESURFACE
12	DARTMOUTH LN	CAMBRIDGE DR	VILLAGE LIMIT	385	21.5	950	2004	4	RIBBON, RESURFACE
7	DAVID LN	NORTH END	SOUTH END	1335	22	3565	2004	4	RIBBON, RESURFACE
11	DEER POINT DR	GOVERNORS WAY	BRIDGE E OF ANNE CT	834	26	2409	UNKNOWN	3	RIBBON, RESURFACE
11	DEER POINT DR	BRIDGE E OF ANNE CT	OLD LAKE RD	3281	22	8020	2006	3	RIBBON, RESURFACE
15	DEERFIELD DR	FOREST VIEW DR	NORTH END	3300	22	8067	UNKNOWN	4	CURB AND GUTTER, RESURFACE
15	DERBY LN	STEEPLECHASE DR	NORTH END	318	22	777	2006	3	RIBBON, RESURFACE
14	DORCHESTER CT	HIGHLAND DR	NORTH CDS	656	22	2548	2009	3	RIBBON, RESURFACE
13	DORSET CI	NORTH TRAIL	SOUTH CDS	142	22	991	2007	3	RIBBON, RESURFACE
11	DURANGO CT	DEER POINT DR	NORTH CDS	275	22	672	2006	3	RIBBON, RESURFACE
NOT ACCEPTED	EAST PETER LN	CARDINAL DR	EAST CDS	730	22	1784	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
14	EAST PRAIRE CT	REGAN LN	EAST CDS	253	22	1657	2009	3	RIBBON, RESURFACE
8	ECHO CT	AGORN DR	SOUTH CDS	658	21	1895	2005	4	RIBBON, RESURFACE
4	ECHO LAKE RD	STONE CREEK RD	MILLER RD	485	23	1239	2000	4	NO RIBBON, FULL DEPTH
4	ECHO LAKE RD	MILLER RD	VILLAGE LIMITS	510	22	1247	2000	5	NO RIBBON, FULL DEPTH
4	ECHO LAKE RD	OLD MCHENRY RD	STONE CREEK RD	1055	25	2931	2000	6	CURB AND GUTTER, POOR CONDITION, RESURFACE
13	EDWARD LN	MARK DR	EAST CDS	500	22	1713	2008	3	RIBBON, RESURFACE
13	ELDERBERRY DR	MIDDLETREE LN	EAST END	722	22	1604	2009	3	RIBBON, RESURFACE
1	ELMWOOD DR	DARLINGTON DR	LAGOON DR	2411	22	5894	2001	6	RIBBON, FULL DEPTH
NOT ACCEPTED	EMPRESS DR	MILLER RD	NORTH CDS	653	22	1596	2002	6	RIBBON, FULL DEPTH
NOT ACCEPTED	ENSELL RD	ENSELL RD	CATALPA DR	2400	24	6400	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
8	ENCLAVE WAY	JOHN DR	SOUTH CDS	407	24	1993	2008	3	RIBBON, RESURFACE
15	EQUESTRIAN WAY	QUENTIN RD	ALDER CT	320	40	12800	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
3	EQUESTRIAN WAY	NORTH TRAIL	450' S OF MOOREGATE TR	1825	22	4639	2006	2	CURB AND GUTTER, RESURFACE
13	ESSEX CT	SOUTH CDS	450' S OF MOOREGATE TR	450	22	1760	UNKNOWN	4	NO RIBBON, FULL DEPTH
5	FALCON DR	MARK DR	EAST CDS	300	22	1390	2008	3	RIBBON, RESURFACE
4	FALKIRK RD	PEREGRINE LN	MEADOWLARK DR	2490	22	6087	2003	5	RIBBON, RESURFACE
4	FALKIRK RD	LAGOON DR	CARLISLE RD	789	22	1929	1997	5	NO RIBBON, FULL DEPTH
15	FOREST VIEW DR	DARLINGTON DR	CARLISLE RD	941	22	2300	2003	6	POOR CONDITION, RESURFACE
6	FOX HUNT CT	KRUCKENBERG RD	DEERFIELD DR	1400	22	3422	UNKNOWN	4	CURB AND GUTTER, RESURFACE
2	FOX HUNT TR	FOX HUNT TR	EAST CDS	250	22.5	1515	2004	4	RIBBON, RESURFACE
15	FOXTAIL RD	PHEASANT RUN RD	OLD MCHENRY RD	1000	22	2480	2004	4	RIBBON, RESURFACE
15	FURLONG DR	SQUIRE RD	EAST CDS	1050	22	2567	2002	6	NO RIBBON, FULL DEPTH
4	GENTRY DR	NORTH TRAIL	EAST END	535	22	1308	2006	3	RIBBON, RESURFACE
12	GINO LN	COPPERFIELD DR	BAGPIPE CT	1724	22	4214	2003	5	RIBBON, RESURFACE
12	GINO LN	HAWTHORN GROVE DR	360' E OF HAWTHORN GROVE DR	1000	22	2222	2008	3	CURB AND GUTTER, RESURFACE
10	GLEN RD	ORCHARD LN	LYNN DR	1007	22	2462	2006	3	RIBBON, RESURFACE
6	GLEN RD	DARLINGTON DR	CARLISLE RD	878	22	2146	2006	4	RIBBON, RESURFACE
10	GLEN RD	LYNN DR	EAST CDS	855	22	2605	2006	4	RIBBON, RESURFACE
2	GLEN RD	SQUIRE RD	200' W OF ARTHUR CT	528	22	1291	1996	6	NO RIBBON, FULL DEPTH
2	GLEN RD	200' W OF ARTHUR CT	ORCHARD LN	1993	22	4872	1999	6	NO RIBBON, FULL DEPTH
5	GOLDFINCH CT	MEADOWLARK DR	EAST CDS	324	22	1596	2003	5	RIBBON, RESURFACE

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6	GOLF CREST DR	SOUTH CDS	NORTH CDS	795	25	2208	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	GOVERNORS CT	OLIVERS WAY	WEST CDS	350	25	1850	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	GOVERNORS WAY	230' EAST OF GENTRY DR	OLIVERS WAY	2090	25	5806	UNKNOWN	3	CURB AND GUTTER, RESURFACE
4	GOVERNORS WAY	GENTRY DR	230' EAST OF GENTRY DR	230	22	562	2003	4	RIBBON, RESURFACE
15	GREEN BRIAR LN	EAST CDS	WEST CDS	1671	22	5067	2008	3	RIBBON, RESURFACE
15	GREENFIELD CT	DEERFIELD DR	NORTH CDS	350	22	856	UNKNOWN	4	CURB AND GUTTER, RESURFACE
13	HAMPTON LN	MARK DR	EAST CDS	295	22	1411	2008	3	RIBBON, RESURFACE
5	HARRINGTON CT	HAWTHORN GROVE DR	WEST CDS	975	22	2383	UNKNOWN	5	CURB AND GUTTER, RESURFACE
12	HARVARD LN	CAMBRIDGE DR	CAMBRIDGE DR	1278	22	3124	2008	3	RIBBON, RESURFACE
4	HARVEST GLEN CT	STONE CREEK RD	SOUTH CDS	332	22	1833	2009	3	RIBBON, RESURFACE
14	HAWTHORN COMMUNITY PARK			220		5380	UNKNOWN	6	LOT WITH CURB AND GUTTER, FULL DEPTH
1	HAWTHORN DR	CIRCLE DR	VICTORIA LN	450	21	1050	2001	4	NO RIBBON, FULL DEPTH
1	HAWTHORN DR	VICTORIA LN	HICKORY RD	305	21	712	2001	5	NO RIBBON, FULL DEPTH
1	HAWTHORN DR	HICKORY RD	OLD MCHENRY RD	900	22	2200	2001	6	NO RIBBON, FULL DEPTH
5	HAWTHORN GROVE CI	HAWTHORN GROVE DR	HAWTHORN GROVE DR	3100	22	7578	UNKNOWN	5	CURB AND GUTTER, RESURFACE
5	HAWTHORN GROVE DR	GILMER RD	HAWTHORN GROVE CI	2300	22	5622	UNKNOWN	5	CURB AND GUTTER, RESURFACE
8	HEATHER LN	QUENTIN RD	WEST CDS	1601	22	3914	2005	3	RIBBON, RESURFACE
7	HERITAGE OAKS PARK			3900		13545	UNKNOWN	3	LOT WITH CURB AND GUTTER, FULL DEPTH
7	HERON CT	DARLINGTON DR	EAST CDS	276	22	1079	2009	3	RIBBON, RESURFACE
8	HICKORY LN	HAWTHORN DR	ELM ST	1033	22	2525	2001	6	NO RIBBON, FULL DEPTH
11	HIGH POINT CI	HIGH POINT DR	EAST CDS	250	22	611	2006	3	RIBBON, RESURFACE
11	HIGH POINT DR	BIRCH LAKES DR	NORTH CDS	1267	22	3097	2006	3	RIBBON, RESURFACE
14	HIGHLAND DR	QUENTIN RD	CHESTNUT CT	704	26	2193	2009	3	RIBBON, RESURFACE
14	HIGHLAND TERRACE	HEATHER LN	MCGREGOR CT	555	22	1395	2005	4	RIBBON, RESURFACE
8	HIGHVIEW CI	CARLISLE RD	CARLISLE RD	1777	22	5757	2003	5	RIBBON, RESURFACE
5	HILLCREST DR	VILLAGE LIMIT	LAKEVIEW RD	426	22 to 53	2244	2007	3	CURB AND GUTTER, RESURFACE
12	HILLTOP CT	OLD BARN RD	NORTH CDS	142	22	902	2007	3	RIBBON, RESURFACE
7	HOLMES AVE	KATHY LN	FAIRFIELD RD	275	22.5	770	2004	3	RIBBON, RESURFACE
6	INDIAN CREEK RD	GILMER RD	VILLAGE LIMIT	6635	21	17520	2004	4	RIBBON, RESURFACE
10	IVY LN	ROSEWOOD DR	VILLAGE LIMIT	265	22	589	2007	3	RIBBON, RESURFACE
1	JAMES CT	DARLINGTON DR	NORTH CDS	489	22	1195	1996	5	NO RIBBON, FULL DEPTH
8	JAMES DR	DARLINGTON DR	JOHN DR	1158	22	2573	2009	3	RIBBON, RESURFACE
13	JAMES DR	MARK DR	TRENT RD	592	22	1316	2008	3	RIBBON, RESURFACE
13	JAMIE LN	MARK DR	SOUTH CDS	478	22	1168	2006	3	RIBBON, RESURFACE
8	JANE CT	LEJUI DR	JOSHUA DR	642	25	2898	UNKNOWN	3	RIBBON, RESURFACE
14	JESSICA CT	EAST CDS	ENCLAVE WAY	1894	22	4209	2009	3	RIBBON, RESURFACE
8	JOHN DR	DARLINGTON DR	SOUTH END	645	22	1577	2009	3	CURB AND GUTTER, RESURFACE
14	JOSHUA DR	RESERVE CT	RESERVE CT	1445	22	4346	2009	4	RIBBON, RESURFACE
14	JOSHUA DR	REGAN LN	SOUTH CDS	498	22	1217	2001	6	NO RIBBON, FULL DEPTH
1	JUEL CI	ELM ST	ELM ST	1605	22	3926	2006	3	RIBBON, RESURFACE
8	JUEL DR	DARLINGTON DR	ELM ST	215	22	1233	2008	3	RIBBON, RESURFACE
12	KAREN CT	GINO LN	SOUTH CDS	2470	22.5	7195	2004	4	RIBBON, RESURFACE
7	KATHY LN	EAST VILLAGE LIMIT	WEST CDS	670	22	1638	UNKNOWN	4	CURB AND GUTTER, RESURFACE
5	KENSINGTON CT	HAWTHORN GROVE DR	NORTH CDS	185	22	1134	2009	3	RIBBON, RESURFACE
11	KEUKA CT	SENECA EAST AV	WEST CDS	1718	22	4200	UNKNOWN	10	RECONSTRUCTION
9	KRUEGER RD	FAIRFIELD RD	MIDLOTHIAN RD	620	22	1516	2005	4	RIBBON, RESURFACE
10	LAGOON DR	WALNUT DR	FAIRFIELD RD	2770	22	6775	2005	4	RIBBON, RESURFACE
10	LAGOON DR	OLD MCHENRY RD	WALNUT DR						

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4	LAGOON DR	FALKIRK RD	NORTH CDS	1467	22	3686	2003	5	RIBBON, RESURFACE
12	LAKEVIEW RD	HILLCREST DR	OLD BARN RD	2195	22	5366	2007	3	RIBBON, RESURFACE
2	LANCELOT LN	SQUIRE RD	GLEN RD	1220	22	2982	1999	6	NO RIBBON, FULL DEPTH
13	LISA LN	MARK DR	EAST CDS	886	22	2473	2008	3	RIBBON, RESURFACE
8	LYDIA CT	ACORN DR	EAST CDS	582	20	1900	2005	4	RIBBON, RESURFACE
10	L'YNN DR	HICKORY RD	LAGOON DR	793	21	1850	2005	3	RIBBON, RESURFACE
10	L'YNN DR	GLEN RD	ROSEWOOD DR N	1017	22	2260	2007	3	RIBBON, RESURFACE
10	L'YNN DR	GLEN DR	GLEN RD	3696	22	8213	2007	4	RIBBON, RESURFACE
12	MAGNOLIA PKWY	SAINT JOHN RD	SOUTH CDS	797	22	2510	2008	3	RIBBON, RESURFACE
13	MARK DR	DARLINGTON DR	SOUTH CDS	5200	22	12232	2008	3	RIBBON, RESURFACE
12	MARK DR	SANT JOHN RD	SOUTH CDS	488	22	1684	2008	3	RIBBON, RESURFACE
8	MCGREGOR CT	WEST CDS	PIPER LN	690	22	2510	2005	4	RIBBON, RESURFACE
4	MEADOW LN NORTH	NORTH CDS	STONE CREEK DR	188	22	1934	2009	4	RIBBON, RESURFACE
4	MEADOW LN SOUTH	SOUTH CDS	STONE CREEK DR	576	22	1408	2009	4	RIBBON, RESURFACE
5	MEADOWLARK DR	SOUTH END	SCHWERMANN	2425	22	5928	2003	5	RIBBON, RESURFACE
13	MIDDLETREE LN	SYCAMORE DR	SOUTH CDS	2056	22	5532	2009	3	RIBBON, RESURFACE
1	MILLER RD	VILLAGE LIMIT	CREEK CROSSING NE OF BRECKENRIDGE DR	1983	22	4847	2002	6	NO RIBBON, FULL DEPTH
3	MILTON RD	WINDING BRANCH RD	VILLAGE LIMIT	495	22	1210	2000	3	NO RIBBON, FULL DEPTH
3	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1165	22	2848	2000	3	NO RIBBON, FULL DEPTH
3	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1550	22	3769	2000	4	NO RIBBON, FULL DEPTH
3	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	710	22	1796	2000	6	NO RIBBON, FULL DEPTH
3	MILTON RD	WINDING BRANCH RD	WINDING BRANCH RD	330	25	917	UNKNOWN	2	CURB AND GUTTER, RESURFACE
15	MOOREGATE TRAIL	330' W OF EQUESTRIAN WAY	EQUESTRIAN WAY	1750	21	4790	2000	3	NO RIBBON, FULL DEPTH
3	MOOREGATE TRAIL	WEST CDS	330' W OF EQUESTRIAN WAY	1206	22	2948	2006	3	RIBBON, RESURFACE
11	MULBERRY DR	COPPERFIELD DR	OLD MCHENRY RD	295	22	721	2003	5	RIBBON, RESURFACE
4	MULBERRY DR	COPPERFIELD DR	315' E OF COPPERFIELD DR	443	22	984	2007	3	RIBBON, RESURFACE
13	NEW HAVEN DR	COBBLEWOOD LN	VILLAGE LIMIT	300	22	1269	2008	3	RIBBON, RESURFACE
13	NEWBURY CT	MARK DR	EAST CDS	1844	22	4098	2009	3	RIBBON, RESURFACE
8	NORBERT DR	DARLINGTON DR	JOHN DR	150	24	900	UNKNOWN	NOT ACCEPTED	NOT FINISHED WITH CURB AND GUTTER
NOT ACCEPTED	NORTH ACACIA CT	ACACIA DR	ACACIA DR	125	25	822	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
15	NORTH TRAIL	EMPRESS DR	EMPRESS DR	1283	22	3136	2006	3	RIBBON, RESURFACE
15	NORTH TRAIL	WESTWIND CT	FURLONG DR	2827	22	6974	2007	3	RIBBON, RESURFACE
15	NORTH TRAIL	WESTWIND CT	SOUTH CDS	3560	22	8702	2006	3	RIBBON, RESURFACE
10	NORTH TRAIL	NORTH CDS	FURLONG DR	585	21	1365	2005	4	RIBBON, RESURFACE
10	OAK LN	WEST END	CIRCLE DR	3902	22	7338	2007	3	RIBBON, RESURFACE
12	OLD BARN RD	HILLCREST DR	VILLAGE LIMIT	775	22	2570	2006	1	UNDER CONSTRUCTION, RESURFACE
11	OLD LAKE RD	38 OLD LAKE DR	EAST CDS	1566	22	3828	2006	3	RIBBON, RESURFACE
11	OLD LAKE RD	MULBERRY DR	38 OLD LAKE DR	776	26	2242	UNKNOWN	3	CURB AND GUTTER, RESURFACE
11	OLIVERS WAY	GOVERNORS WAY	LACHANORA DR	1362	22	3027	2009	3	RIBBON, RESURFACE
11	ONEIDA LN	WASHITAY AV	SENECA WEST AV	1556	22	3804	2006	4	RIBBON, RESURFACE
6	ONONDAGA DR	SENECA EAST AV	SENECA WEST AV	1362	22	3027	2009	3	RIBBON, RESURFACE
10	ORCHARD LN	ROSEWOOD DR	LAGOON DR	1981	22	4402	2007	4	RIBBON, RESURFACE
5	ORIOLE CT	MEADOWLARK DR	WEST CDS	274	22	1376	2003	5	RIBBON, RESURFACE
11	OVERLOOK DR	DEER POINT DR	NORTH CDS	467	22	1142	2006	3	RIBBON, RESURFACE
4	OWENS RD	SCHWERMANN RD	VILLAGE LIMIT	191	20	424	UNKNOWN	4	NO RIBBON, FULL DEPTH
3	OWENS RD	GILMER RD	920' SOUTH OF GILMER RD	920	21	2348	2009	7	CURB AND GUTTER, FULL DEPTH
3	OWENS RD	920' S OF GILMER RD	1355' S OF GILMER RD	435	21	1015	UNKNOWN	8	NO RIBBON, FULL DEPTH
3	OWENS RD	1355' S OF GILMER RD	SOUTH VILLAGE LIMIT	1480	21	3453	UNKNOWN	9	NO RIBBON, FULL DEPTH
15	PADDOCK CT	NORTH TRAIL	NORTH CDS	340	22	831	2006	3	RIBBON, RESURFACE

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12	PARK PLACE CI	PARK VIEW LN	END CDS	1040	25	2889	UNKNOWN	4	CURB AND GUTTER, RESURFACE
12	PARK VIEW LN	OLD MCHENRY RD	EAST END	2000	21	5232	2007	3	CURB AND GUTTER, RESURFACE
5	PEREGRINE LN	SOUTH CDS	WEST CDS	1890	22	6033	2003	5	RIBBON, RESURFACE
6	PHEASANT RUN RD	THORNFIELD LN	THORNFIELD LN	3270	21.5	7850	2004	4	RIBBON, RESURFACE
8	PIPER LN	MCGREGOR CT	HEATHER LN	1050	21.5	3345	2005	3	RIBBON, RESURFACE
12	PRINCETON LN	CAMBRIDGE DR	NORTH CDS	708	22	2312	2007	3	RIBBON, RESURFACE
12	PUBLIC ST	HILLCREST DR	NORTH END	420	22	1027	2008	3	RIBBON, RESURFACE
1	PUBLIC WORKS FACILITY					2197	UNKNOWN	8	LOT, FULL DEPTH
12	QUAIL HOLLOW CT	SOUTH CDS	NORTH CDS	500	22	1742	2007	3	RIBBON, RESURFACE
13	REDWOOD LN	NORTH TRAIL	OLD MCHENRY RD	231	35	847	2007	3	RIBBON, RESURFACE
13	REDWOOD LN	OLD MCHENRY RD	SYCAMORE DR	330	36	1247	2007	3	RIBBON, RESURFACE
14	REED CT	REGAN LN	NORTH CDS	314	22	1661	2009	3	RIBBON, RESURFACE
14	REGAN LN	GILMER RD	W. PRAIRIE CT	1336	22	2969	2009	3	RIBBON, RESURFACE
14	RESERVE CT	JOSHUA DR	WEST CDS	665	22	2317	2009	3	RIBBON, RESURFACE
13	ROBERT CT	MARK DR	EAST CDS	284	22	1023	2008	3	RIBBON, RESURFACE
8	ROBIN CREST RD	EAST CDS	ACORN DR	370	21	1355	2005	4	RIBBON, RESURFACE
8	ROBIN CREST RD	ACORN DR	BRUCE CI SOUTH	1340	21	3130	2005	4	RIBBON, RESURFACE
11	ROSE LN	OLIVERS WAY	EAST CDS	543	26	2531	UNKNOWN	3	CURB AND GUTTER, RESURFACE
10	ROSEWOOD DR	280' W OF LYNN DR	NORTH END	2007	22	5406	2007	3	RIBBON, RESURFACE
10	ROSEWOOD DR	LYNN DR	280' W OF LYNN DR	2360	22	6126	2007	3	RIBBON, RESURFACE
6	RUTGERS CT	INDIAN CREEK RD	EAST CDS	1050	21	3450	2005	4	RIBBON, RESURFACE
15	SADDLE RIDGE CT	EQUESTRIAN WAY	EAST CDS	650	22	1589	UNKNOWN	2	CURB AND GUTTER, RESURFACE
12	SANT JOHN DR	GILMER RD	GINO LN	752	22	1838	2008	3	RIBBON, RESURFACE
12	SANT JOHN DR	GINO LN	OLD BARN RD	2452	22	5449	2008	3	RIBBON, RESURFACE
15	SANT JOHN DR	GREENBRIAR LN	GILMER RD	740	22	1644	2008	3	RIBBON, RESURFACE
5	SANDPIPER LN	WEST END	EAST CDS	987	22	3135	2003	5	RIBBON, RESURFACE
6	SCARLET OAK DR	OWENS DR	GOLF CREST DR	593	25	1647	UNKNOWN	3	CURB AND GUTTER, RESURFACE
9	SCHWERTMAN RD	OWENS DR	175' EAST OF MILTON	1066	22	2606	UNKNOWN	3	NO RIBBON, FULL DEPTH
9	SCHWERTMAN RD	175' EAST OF MILTON	GILMER RD	4842	22	17451	UNKNOWN	4	RIBBON, RESURFACE
11	SENECA EAST AV	WASHITAY AV	INDIAN CREEK	2095	22	4656	2009	3	RIBBON, RESURFACE
11	SENECA WEST AV	INDIAN CREEK RD	WASHITAY AV	1763	22	4310	2006	4	RIBBON, RESURFACE
6	SENECA WEST AVE	SOUTH CDS	INDIAN CREEK RD	1443	22	4234	2003	4	RIBBON, RESURFACE
5	SEQUOIA RD	BLACKHAWK RD	EAST CDS	945	22	2705	2005	3	RIBBON, RESURFACE
2	SEQUOIA RD	GILMER RD	BLACKHAWK RD	2384	22	5828	1996	6	NO RIBBON, FULL DEPTH
5	SEARWATER CT	MEADOWLARK DR	WEST CDS	681	22	2387	2003	5	RIBBON, RESURFACE
5	SHENANDOAH LN	SEQUOIA RD	NORTH CDS	675	22	2325	2005	3	RIBBON, RESURFACE
NOT ACCEPTED	SOUTH EMPRESS CT	EMPRESS DR	EMPRESS DR	30	24	822	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
15	SPRING CREEK CT	FOREST VIEW DR	EAST CDS	330	22	807	UNKNOWN	4	CURB AND GUTTER, RESURFACE
2	SQUIRE RD	FOXTAIL RD	NORTH CDS	1570	22	3838	2002	3	CURB AND GUTTER, RESURFACE
2	SQUIRE RD	FOXTAIL RD	SOUTH END	2078	22	5080	2002	6	NO RIBBON, FULL DEPTH
15	STEEPLECHASE DR	FURLONG DR	SOUTH CDS	1790	22	4376	2006	3	RIBBON, RESURFACE
4	STONE CREEK RD	ECHO LAKE RD	EAST END	1395	22	3100	2009	4	RIBBON, RESURFACE
4	STONE HAVEN DR	CARLISLE RD	DARLINGTON DR	948	22	2317	2003	5	RIBBON, RESURFACE
15	STONE RIDGE CT	EQUESTRIAN WAY	END CDS	350	22	856	UNKNOWN	2	CURB AND GUTTER, RESURFACE

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE

EXHIBIT 3B
DECEMBER 19, 2012
REVISED MARCH 8, 2013

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	PCI	DESCRIPTION
12	SUNSET CT	OLD BARN RD	NORTH CDS	120	22	825	2007	3	RIBBON, RESURFACE
13	SYCAMORE DR	NORTH CDS	SOUTH CDS	2521	22	6390	2007	3	RIBBON, RESURFACE
8	TANGLEWOOD CT	TANGLEWOOD LN	NORTH CDS	426	22	1920	2005	4	RIBBON, RESURFACE
8	TANGLEWOOD LN	BRIERWOODS LN	WEST END	728	22	1775	2005	4	RIBBON, RESURFACE
3	THORNFIELD LN	MOOREGATE TRAIL	SOUTH CDS	424	22	1036	2000	3	NO RIBBON, FULL DEPTH
6	THORNFIELD LN	PHEASANT RUN RD	NORTH CDS	725	22	2700	2005	3	RIBBON, RESURFACE
6	THORNFIELD LN	PHEASANT RUN RD	MOOREGATE TRAIL	1093	22	2429	2009	4	RIBBON, RESURFACE
8	TRENT RD	DARLINGTON DR	DARLINGTON DR	2165	21	5055	2005	3	RIBBON, RESURFACE
5	UNIVERSITY CI	CARLISLE RD	CARLISLE RD	1500	22	4327	2008	3	RIBBON, RESURFACE
1	VICTORIA LN	HAWTHORN DR	LAGOON DR	1057	21	2466	2005	5	RIBBON, RESURFACE
1	VILLAGE HALL LOT		LIMIT			2683	UNKNOWN	5	LOT, FULL DEPTH
6	W KRUCKENBERG RD	MIDLOTHIAN RD	EAST CDS	2840	22	6942	UNKNOWN	7	NO RIBBON, RESURFACE
11	WAKIA CT	SENECA WEST AV	EAST CDS	195	22	1156	2009	3	RIBBON, RESURFACE
14	WALNUT DR	LAGOON DR	HICKORY RD	686	20	1460	2005	4	RIBBON, RESURFACE
11	WASHITAY AV	SENECA WEST AV	SENECA EAST AV	1852	22	4527	2006	4	RIBBON, RESURFACE
8	WAYNE LN	BRUCE CI	NORTH CDS	414	22	1645	2005	4	RIBBON, RESURFACE
4	WEDGEWOOD DR	COPPERFIELD DR	COPPERFIELD DR	1458	22	3584	2003	5	RIBBON, RESURFACE
14	WELLESLEY CT	CHESTNUT CT	WEST CDS	105	22	1220	2009	3	RIBBON, RESURFACE
NOT ACCEPTED	WEST PETER LN	CARDINAL DR	SOUTH CDS	1315	22	3214	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
14	WEST PRAIRIE CT	REGAN LN	WEST CDS	705	22	2440	2009	3	RIBBON, RESURFACE
NOT ACCEPTED	WEST SEQUOIA DR	CATALPA DR	NORTH CDS	900	24	3107	UNKNOWN	NOT ACCEPTED	CURB AND GUTTER
15	WESTWIND CT	NORTH TRAIL	WEST CDS	595	22	2450	2006	3	RIBBON, RESURFACE
7	WHITMAN TERRACE	KATHY LN	DAVID LN	1725	22	4270	2004	4	RIBBON, RESURFACE
13	WILD WAY	MARK DR	WEST END	270	22	600	2008	3	RIBBON, RESURFACE
6	WINDING BRANCH RD	MILTON RD	PHEASANT RUN RD	1425	21.5	3430	2004	5	RIBBON, RESURFACE
6	WOODED LN	WINDING BRANCH RD	MILTON RD	525	21.5	1255	2004	4	RIBBON, RESURFACE
12	YALE CT	HARVARD LN	EAST CDS	175	21.5	1335	2004	5	RIBBON, RESURFACE

EXHIBIT #4
COST ESTIMATE AND SCHEDULE

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

YEAR 1 STREETS													
		Length= 2411 Width= 22 Total SY= 5894		Length= 653 Width= 22 Total SY= 1506		Length= 450 Width= 21 Total SY= 1050		Length= 900 Width= 22 Total SY= 2200		Length= 305 Width= 21 Total SY= 712		Length= 1033 Width= 22 Total SY= 2525	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	5394	\$ 8,091.00	1506	\$ 2,259.00	1050	\$ 1,575.00	2200	\$ 3,300.00	712	\$ 1,068.00
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	318	\$ 6,360.00	86	\$ 1,720.00	57	\$ 1,140.00	119	\$ 2,380.00	38	\$ 760.00
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON OC/QA)	TON	\$ 90.00	847	\$ 76,233.00	229	\$ 20,648.25	151	\$ 13,584.38	316	\$ 28,462.50	102	\$ 9,180.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OC/QA)	TON	\$ 75.00	508	\$ 38,100.00	138	\$ 10,324.13	91	\$ 6,825.00	180	\$ 13,500.00	61	\$ 4,575.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	5894	\$ 35,364.00	1506	\$ 9,036.00	1050	\$ 6,300.00	2200	\$ 13,200.00	712	\$ 4,272.00
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	1072	\$ 45,544.00	290	\$ 12,332.50	200	\$ 8,500.00	400	\$ 17,000.00	136	\$ 5,765.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
SUBTOTAL				210,495.50	\$ 210,495.50	56,908.75	\$ 56,908.75	37,885.50	\$ 37,885.50	78,500.75	\$ 78,500.75	25,000.02	\$ 25,000.02
ENGINEERING (10%)				21,049.55	\$ 21,049.55	5,690.88	\$ 5,690.88	3,788.55	\$ 3,788.55	7,850.08	\$ 7,850.08	2,500.00	\$ 2,500.00
Roadway TOTAL				231,545.05	\$ 231,545.05	62,600.66	\$ 62,600.66	41,674.12	\$ 41,674.12	86,350.83	\$ 86,350.83	27,500.02	\$ 27,500.02

YEAR 1 STREETS													
		Length= 480 Width= 22 Total SY= 1165		Length= 498 Width= 22 Total SY= 1217		Length= 2107 Width= 21 Total SY= 2107		Length= 1057 Width= 21 Total SY= 2466		Length= 2853 Width= 21 Total SY= 2853		Length= 1983 Width= 22 Total SY= 4847	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	1195	\$ 1,792.50	1217	\$ 1,825.50	2107	\$ 3,160.50	2466	\$ 3,699.00	2853	\$ 4,279.50
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	65	\$ 1,300.00	66	\$ 1,320.00	119	\$ 2,380.00	106	\$ 2,120.00	143	\$ 2,860.00
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON OC/QA)	TON	\$ 90.00	172	\$ 15,480.00	175	\$ 15,744.00	315	\$ 28,425.00	100	\$ 9,000.00	381	\$ 34,320.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OC/QA)	TON	\$ 75.00	103	\$ 7,725.00	105	\$ 7,875.00	189	\$ 14,212.50	213	\$ 16,072.50	229	\$ 17,167.50
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	1195	\$ 7,170.00	1217	\$ 7,302.00	2107	\$ 12,642.00	2466	\$ 14,796.00	2853	\$ 17,118.00
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -	0	\$ -	2192	\$ 4,384.00	0	\$ -
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	217	\$ 9,227.50	221	\$ 9,402.50	25	\$ 1,062.50	25	\$ 1,062.50	0	\$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -	0	\$ -	40	\$ 1,400.00	0	\$ -
SUBTOTAL				42,677.05	\$ 42,677.05	43,463.38	\$ 43,463.38	61,485.79	\$ 61,485.79	32,826.50	\$ 32,826.50	74,247.52	\$ 74,247.52
ENGINEERING (10%)				4,267.71	\$ 4,267.71	4,346.34	\$ 4,346.34	6,148.58	\$ 6,148.58	3,282.65	\$ 3,282.65	7,424.75	\$ 7,424.75
Roadway TOTAL				46,944.76	\$ 46,944.76	47,809.72	\$ 47,809.72	67,634.37	\$ 67,634.37	36,109.15	\$ 36,109.15	81,672.27	\$ 81,672.27

Roadway TOTAL	\$ 1,021,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 1 TOTAL	\$ 1,231,000.00

YEAR 2 STREETS															
		Length= 500 Width= 22 Total SY= 1222		Length= 857 Width= 22 Total SY= 2095		Length= 268 Width= 22 Total SY= 655		Length= 1050 Width= 22 Total SY= 2607		Length= 1993 Width= 22 Total SY= 4872		Length= 528 Width= 22 Total SY= 1201		Length= 1220 Width= 22 Total SY= 2682	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	1222	\$ 1,833.00	2095	\$ 3,142.50	655	\$ 982.50	2567	\$ 3,850.50	4872	\$ 7,308.00	1201	\$ 1,801.50
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	66	\$ 1,320.00	113	\$ 2,260.00	35	\$ 707.00	139	\$ 2,780.00	283	\$ 5,660.00	70	\$ 1,400.00
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON OC/QA)	TON	\$ 90.00	176	\$ 15,840.00	301	\$ 27,090.00	94	\$ 8,460.00	369	\$ 33,210.00	700	\$ 63,000.00	188	\$ 17,020.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OC/QA)	TON	\$ 75.00	105	\$ 7,875.00	181	\$ 13,552.50	58	\$ 4,275.00	221	\$ 16,605.00	420	\$ 31,515.00	111	\$ 8,351.25
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	1222	\$ 7,332.00	2095	\$ 12,570.00	655	\$ 3,930.00	2567	\$ 15,402.00	4872	\$ 29,232.00	1201	\$ 7,206.00
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	222	\$ 9,442.50	381	\$ 16,182.50	119	\$ 5,062.50	487	\$ 20,702.50	886	\$ 37,627.50	235	\$ 9,975.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
SUBTOTAL				43,641.02	\$ 43,641.02	74,819.83	\$ 74,819.83	23,382.96	\$ 23,382.96	91,676.61	\$ 91,676.61	173,998.28	\$ 173,998.28	46,108.16	\$ 46,108.16
ENGINEERING (10%)				4,364.10	\$ 4,364.10	7,481.98	\$ 7,481.98	2,338.29	\$ 2,338.29	9,167.66	\$ 9,167.66	17,399.83	\$ 17,399.83	4,610.82	\$ 4,610.82
Roadway TOTAL				48,005.12	\$ 48,005.12	82,301.81	\$ 82,301.81	25,721.25	\$ 25,721.25	100,844.27	\$ 100,844.27	191,398.11	\$ 191,398.11	50,718.98	\$ 50,718.98

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 2 STREETS					
		Length= 2384 Width= 22 Total SY= 5828		Length= 1570 Width= 22 Total SY= 3838		Length= 2078 Width= 22 Total SY= 5080	
		SECOUIA RD (GILMER TO E SIDE BLACKHAWK)		SQUIRE (FOXTAIL TO N CDS)		SQUIRE (FOXTAIL TO S END)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	5828	\$ 8,742.00	3838	\$ 5,757.00
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	315	\$ 6,264.24	207	\$ 4,145.04
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	838	\$ 75,390.75	592	\$ 48,654.13
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	503	\$ 37,699.88	331	\$ 24,827.08
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	5828	\$ 34,968.00	3838	\$ 23,028.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	1090	\$ 45,034.55	698	\$ 29,657.27
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -
SUBTOTAL				208,138.41		137,068.50	
ENGINEERING (10%)				20,813.84		13,706.85	
Roadway TOTAL				228,952.25		150,775.35	
SUBTOTAL				181,424.70		114,142.47	
ENGINEERING (10%)				18,142.47		11,414.25	
Roadway TOTAL				199,567.17		125,556.72	
ROADWAY TOTAL				1,188,000.00		1,188,000.00	
ROUTINE MAINTENANCE				210,000.00		210,000.00	
YEAR 2 TOTAL				1,468,000.00		1,468,000.00	

		YEAR 3 STREETS															
		Length= 1830 Width= 21 Total SY= 4270		Length= 1345 Width= 22 Total SY= 3288		Length= 450 Width= 22 Total SY= 1760		Length= 710 Width= 22 Total SY= 1738		Length= 495 Width= 22 Total SY= 1210		Length= 1105 Width= 22 Total SY= 2848		Length= 1550 Width= 22 Total SY= 3789		Length= 1750 Width= 21 Total SY= 4700	
		ACORN DR (12 ACORN DR TO BRUCE CI S)		BRUCE CI S (BRUCE CI N TO ACORN)		EQUESTRIAN WAY (450' S/MOOREGATE TO S CDS)		MLTON RD (OLD MCHENRYH TO WINDING BRANCH)		MLTON RD (WINDING BRANCH TO VILLAGE LIMIT)		MLTON RD (VILLAGE LIMIT TO VILLAGE LIMIT)		MLTON RD (VILLAGE LIMIT TO VILLAGE LIMIT)		MOOREGATE TR (330' W/EQUESTRIAN TO W CDS)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	4270	\$ 6,405.00	3288	\$ 4,932.00	1760	\$ 2,640.00	1738	\$ 2,604.00	1210	\$ 1,815.00	2848	\$ 4,272.00	3789	\$ 5,683.50
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	331	\$ 6,611.60	178	\$ 3,551.04	95	\$ 1,900.80	94	\$ 1,874.88	65	\$ 1,306.80	154	\$ 3,075.84	205	\$ 4,092.12
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	814	\$ 73,243.13	473	\$ 42,538.50	253	\$ 22,770.00	250	\$ 22,450.50	174	\$ 15,654.38	409	\$ 36,846.00	545	\$ 49,020.19
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	368	\$ 27,621.56	284	\$ 21,280.25	152	\$ 11,385.00	150	\$ 11,220.75	104	\$ 7,827.19	246	\$ 18,423.00	327	\$ 24,516.09
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	4270	\$ 25,620.00	3288	\$ 19,728.00	1760	\$ 10,560.00	1738	\$ 10,416.00	1210	\$ 7,260.00	2848	\$ 17,088.00	3789	\$ 22,734.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	813	\$ 34,568.87	508	\$ 21,597.27	320	\$ 13,600.00	316	\$ 13,414.56	220	\$ 9,350.00	516	\$ 22,007.27	689	\$ 29,278.64
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
SUBTOTAL				154,067.95		117,426.06		62,855.80		61,908.68		43,213.36		101,712.11		135,316.54	
ENGINEERING (10%)				15,406.80		11,742.61		6,285.58		6,190.87		4,321.34		10,171.21		13,531.65	
Roadway TOTAL				169,474.75		129,168.67		69,141.38		68,108.54		47,534.70		111,883.32		148,850.39	
SUBTOTAL				172,830.33		128,911.28		75,426.96		74,109.41		51,856.04		121,954.53		148,848.19	
ENGINEERING (10%)				17,283.03		12,891.13		7,542.70		7,410.94		5,185.60		12,195.45		14,884.82	
Roadway TOTAL				190,113.36		141,802.41		82,969.66		81,520.35		57,041.64		134,049.98		163,733.01	
ROADWAY TOTAL				1,276,000.00		1,276,000.00		1,276,000.00		1,276,000.00		1,276,000.00		1,276,000.00		1,276,000.00	
ROUTINE MAINTENANCE				210,000.00		210,000.00		210,000.00		210,000.00		210,000.00		210,000.00		210,000.00	
YEAR 3 TOTAL				1,486,000.00		1,486,000.00		1,486,000.00		1,486,000.00		1,486,000.00		1,486,000.00		1,486,000.00	

		YEAR 3 STREETS									
		Length= 1480 Width= 21 Total SY= 3453		Length= 435 Width= 21 Total SY= 1015		Length= 424 Width= 22 Total SY= 1038		Length= 920 Width= 21 Total SY= 2348		Length= 580 Width= 22 Total SY= 2015	
		OWENS RD (1355' S/GILMER TO VILLAGE LIMIT)		OWENS RD (920' S/GILMER TO 1355' S/GILMER)		THORNFIELD (MOOREGATE TO SOUTH CDS)		OWENS RD (GILMER TO 920' S/GILMER)		BITTONE (OLD MCHENRY TO NORTH CDS)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST						
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	3453	\$ 5,179.50	1015	\$ 1,522.50	1038	\$ 1,554.00	2348	\$ 3,522.00
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	186	\$ 3,720.24	55	\$ 1,090.20	58	\$ 1,158.88	127	\$ 2,535.84
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	496	\$ 44,673.19	146	\$ 13,131.59	140	\$ 12,603.25	338	\$ 30,377.25
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	298	\$ 22,338.59	88	\$ 6,565.78	89	\$ 6,701.83	203	\$ 15,186.03
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	3453	\$ 20,718.00	1015	\$ 6,090.00	1038	\$ 6,216.00	2348	\$ 14,088.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	858	\$ 36,457.86	103	\$ 4,376.87	188	\$ 8,005.45	447	\$ 19,007.62
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -	0	\$ -	40	\$ 1,400.00
SUBTOTAL				124,569.38		38,622.71		36,999.21		84,710.33	
ENGINEERING (10%)				12,456.94		3,862.27		3,699.92		8,471.03	
Roadway TOTAL				137,026.32		42,484.98		40,699.13		93,181.27	
SUBTOTAL				26,832.00		26,832.00		26,832.00		26,832.00	
ENGINEERING (10%)				2,683.20		2,683.20		2,683.20		2,683.20	
Roadway TOTAL				29,515.20		29,515.20		29,515.20		29,515.20	
ROADWAY TOTAL				1,276,000.00		1,276,000.00		1,276,000.00		1,276,000.00	
ROUTINE MAINTENANCE				210,000.00		210,000.00		210,000.00		210,000.00	
YEAR 3 TOTAL				1,486,000.00		1,486,000.00		1,486,000.00		1,486,000.00	

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 4 STREETS																																					
		Length= 510 Width= 22 Total SY= 1247		Length= 465 Width= 23 Total SY= 1239		Length= 101 Width= 20 Total SY= 424		Length= 5011 Width= 22 to 36 Total SY= 12700		Length= 983 Width= 22 Total SY= 2403		Length= 262 Width= 22 Total SY= 1305		Length= 760 Width= 22 Total SY= 2500		Length= 1724 Width= 22 Total SY= 4214																							
ITEM NO.	ITEM	UNIT	UNIT PRICE	ECHO LAKE RD (MILLER TO VILLAGE LIMIT)		ECHO LAKE RD (STONE CREEK TO MILLER)		OWENS RD (SCHWERMANN TO VILLAGE LIMIT)		COPPERFIELD (OLD MCHENRY TO CHANTILLY)		CARLISLE (GLEN TO N HIGHVIEW CI)		CHANCELLOR (COPPERFIELD TO S. CDS)		CHANTILLY (SOUTH CDS TO WEDGEWOOD)		GENTRY (COPPERFIELD TO BAGPIPE)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	1247	\$ 1,870.50	1239	\$ 1,858.50	424	\$ 636.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	67	\$ 1,340.76	67	\$ 1,338.12	23	\$ 457.02	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON OCIOA)	TON	\$ 90.00	179	\$ 16,135.00	178	\$ 16,026.50	61	\$ 5,485.50	552	\$ 49,860.00	104	\$ 9,360.00	60	\$ 5,400.00	112	\$ 10,080.00	182	\$ 16,380.00																				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OCIOA)	TON	\$ 75.00	108	\$ 8,066.63	107	\$ 8,014.78	37	\$ 2,742.75	1104	\$ 82,600.00	207	\$ 15,525.00	120	\$ 9,000.00	224	\$ 16,800.00	363	\$ 27,225.00																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	1247	\$ 7,482.00	1239	\$ 7,434.00	424	\$ 2,544.00	128	\$ 768.00	24	\$ 144.00	14	\$ 84.00	26	\$ 156.00	42	\$ 252.00																				
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	0	\$ -	0	\$ -	11377	\$ 22,754.00	2138	\$ 4,272.00	1240	\$ 2,480.00	2308	\$ 4,616.00	3746	\$ 7,492.00																				
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	227	\$ 9,635.91	215	\$ 9,157.83	65	\$ 2,767.50	128	\$ 5,440.00	24	\$ 1,020.00	14	\$ 595.00	26	\$ 1,105.00	42	\$ 1,785.00																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
*NA	CLASS D PATCHES, SPECIAL 6-INCHES	SY	\$ 35.00	0	\$ -	0	\$ -	0	\$ -	250	\$ 8,900.00	48	\$ 1,680.00	25	\$ 880.00	52	\$ 1,820.00	84	\$ 2,940.00																				
SUBTOTAL				\$ 44,534.76	SUBTOTAL				\$ 43,632.70	SUBTOTAL				\$ 15,470.17	SUBTOTAL				\$ 170,402.00	SUBTOTAL				\$ 32,001.00	SUBTOTAL				\$ 18,530.00	SUBTOTAL				\$ 34,577.00	SUBTOTAL				\$ 65,074.00
ENGINEERING (10%)				\$ 4,453.48	ENGINEERING (10%)				\$ 4,383.28	ENGINEERING (10%)				\$ 1,547.02	ENGINEERING (10%)				\$ 17,040.20	ENGINEERING (10%)				\$ 3,200.10	ENGINEERING (10%)				\$ 1,853.00	ENGINEERING (10%)				\$ 3,457.70	ENGINEERING (10%)				\$ 5,807.40
Roadway TOTAL				\$ 48,988.24	Roadway TOTAL				\$ 48,216.07	Roadway TOTAL				\$ 17,017.19	Roadway TOTAL				\$ 187,442.20	Roadway TOTAL				\$ 35,201.10	Roadway TOTAL				\$ 20,382.90	Roadway TOTAL				\$ 38,034.70	Roadway TOTAL				\$ 81,681.40

		YEAR 4 STREETS																																					
		Length= 230 Width= 22 Total SY= 502		Length= 332 Width= 22 Total SY= 1833		Length= 188 Width= 22 Total SY= 1034		Length= 570 Width= 22 Total SY= 1408		Length= 205 Width= 22 Total SY= 721		Length= 1305 Width= 22 Total SY= 3100		Length= 948 Width= 22 Total SY= 2317		Length= 1458 Width= 22 Total SY= 3564																							
ITEM NO.	ITEM	UNIT	UNIT PRICE	GOVERNORS WAY (GENTRY TO 230' E GENTRY)		HARVEST GLEN (STONE CREEK TO S. CDS)		MEADOW LN N (N CDS STONE CREEK)		MEADOW LN S (S CDS STONE CREEK)		MULBERRY (COPPERFIELD TO 315' E/COPPERFIELD)		STONE CREEK (ECHO LAKE TO E. END)		STONEHAVEN (CARLISLE TO DARLINGTON)		WEDGEWOOD (COPPERFIELD TO COPPERFIELD)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON OCIOA)	TON	\$ 90.00	24	\$ 2,160.00	79	\$ 7,110.00	83	\$ 7,470.00	61	\$ 5,490.00	31	\$ 2,790.00	134	\$ 12,060.00	100	\$ 9,000.00	154	\$ 13,860.00																				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OCIOA)	TON	\$ 75.00	48	\$ 3,600.00	158	\$ 11,850.00	167	\$ 12,525.00	121	\$ 9,075.00	62	\$ 4,650.00	267	\$ 20,025.00	200	\$ 15,000.00	307	\$ 23,025.00																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	0	\$ -	18	\$ 108.00	19	\$ 114.00	14	\$ 84.00	7	\$ 42.00	31	\$ 186.00	23	\$ 138.00	38	\$ 228.00																				
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	500	\$ 1,000.00	1020	\$ 2,040.00	1710	\$ 3,420.00	1252	\$ 2,504.00	641	\$ 1,282.00	2756	\$ 5,512.00	2060	\$ 4,120.00	3188	\$ 6,376.00																				
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	0	\$ -	18	\$ 765.00	19	\$ 807.50	14	\$ 595.00	7	\$ 297.50	31	\$ 1,317.50	23	\$ 977.50	36	\$ 1,530.00																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
*NA	CLASS D PATCHES, SPECIAL 6-INCHES	SY	\$ 35.00	11	\$ 385.00	37	\$ 1,295.00	39	\$ 1,365.00	28	\$ 980.00	14	\$ 490.00	62	\$ 2,170.00	46	\$ 1,610.00	71	\$ 2,485.00																				
SUBTOTAL				\$ 7,436.00	SUBTOTAL				\$ 24,386.00	SUBTOTAL				\$ 25,719.50	SUBTOTAL				\$ 18,728.00	SUBTOTAL				\$ 9,551.50	SUBTOTAL				\$ 41,270.50	SUBTOTAL				\$ 30,845.50	SUBTOTAL				\$ 47,452.00
ENGINEERING (10%)				\$ 743.60	ENGINEERING (10%)				\$ 2,438.60	ENGINEERING (10%)				\$ 2,571.95	ENGINEERING (10%)				\$ 1,872.80	ENGINEERING (10%)				\$ 955.15	ENGINEERING (10%)				\$ 4,127.05	ENGINEERING (10%)				\$ 3,084.55	ENGINEERING (10%)				\$ 4,745.20
Roadway TOTAL				\$ 8,179.60	Roadway TOTAL				\$ 26,824.60	Roadway TOTAL				\$ 28,291.45	Roadway TOTAL				\$ 20,600.80	Roadway TOTAL				\$ 10,506.65	Roadway TOTAL				\$ 45,397.55	Roadway TOTAL				\$ 33,930.05	Roadway TOTAL				\$ 52,197.20

		YEAR 4 STREETS																																
		Length= 1055 Width= 26 Total SY= 2931		Length= 2325 Width= 22 Total SY= 5683		Length= 1358 Width= 22 Total SY= 3320		Length= 941 Width= 22 Total SY= 2300		Length= 1729 Width= 22 Total SY= 4333		Length= 789 Width= 22 Total SY= 1929		Length= 1467 Width= 22 Total SY= 3586																				
ITEM NO.	ITEM	UNIT	UNIT PRICE	ECHO LAKE RD (OLD MCHENRY TO STONE CREEK)		CARLISLE (DARLINGTON TO HIGHVIEW)		CROYDEN (STONEHAVEN TO GLEN)		FALKIRK (DARLINGTON TO CARLISLE)		CARLISLE (FALKIRK TO GLEN)		FALKIRK (LAGOON TO CARLISLE)		LAGOON (FALKIRK TO N CDS)																		
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	4333	\$ 6,499.50	1929	\$ 2,893.50	0	\$ -																	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	234	\$ 4,679.84	104	\$ 2,083.32	0	\$ -																	
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON OCIOA)	TON	\$ 90.00	120	\$ 10,800.00	245	\$ 22,050.00	143	\$ 12,870.00	69	\$ 6,210.00	623	\$ 56,058.00	277	\$ 24,954.00	155	\$ 13,950.00																	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OCIOA)	TON	\$ 75.00	253	\$ 18,975.00	490	\$ 36,750.00	295	\$ 22,125.00	109	\$ 8,175.00	374	\$ 28,050.00	166	\$ 12,472.00	309	\$ 23,175.00																	
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	89	\$ 534.00	284	\$ 1,704.00	165	\$ 990.00	115	\$ 690.00	4333	\$ 25,998.00	1929	\$ 11,574.00	36	\$ 216.00																	
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	4211	\$ 8,422.00	15155	\$ 30,310.00	8653	\$ 17,706.00	6133	\$ 12,266.00	0	\$ -	0	\$ -	3188	\$ 6,376.00																	
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	0	\$ -	57	\$ 2,422.50	33	\$ 1,402.50	23	\$ 977.50	788	\$ 33,482.27	351	\$ 14,905.01	35	\$ 1,530.00																	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																	
*NA	CLASS D PATCHES, SPECIAL 6-INCHES	SY	\$ 35.00	176	\$ 6,160.00	568	\$ 19,880.00	332	\$ 11,620.00	230	\$ 8,050.00	0	\$ -	0	\$ -	72	\$ 2,520.00																	
SUBTOTAL				\$ 48,798.50	SUBTOTAL				\$ 113,116.50	SUBTOTAL				\$ 66,044.50	SUBTOTAL				\$ 45,743.50	SUBTOTAL				\$ 154,745.89	SUBTOTAL				\$ 68,991.39	SUBTOTAL				\$ 47,787.00
ENGINEERING (10%)				\$ 4,879.85	ENGINEERING (10%)				\$ 11,311.65	ENGINEERING (10%)				\$ 6,604.45	ENGINEERING (10%)				\$ 4,574.35	ENGINEERING (10%)				\$ 15,474.67	ENGINEERING (10%)				\$ 6,899.14	ENGINEERING (10%)				\$ 4,776.70
Roadway TOTAL				\$ 53,678.35	Roadway TOTAL				\$ 124,428.15	Roadway TOTAL				\$ 72,648.95	Roadway TOTAL				\$ 50,317.85	Roadway TOTAL				\$ 170,220.56	Roadway TOTAL				\$ 75,785.52	Roadway TOTAL				\$ 52,563.70

ROADWAY TOTAL	\$ 1,283,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 4 TOTAL	\$ 1,493,000.00

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 5 STREETS																	
		Length= 213 Width= 22 Total SY= 1227		Length= 185 Width= 22 Total SY= 623		Length= 1275 Width= 22 Total SY= 3117		Length= 2490 Width= 22 Total SY= 6087		Length= 324 Width= 22 Total SY= 1598		Length= 1777 Width= 22 Total SY= 5757		Length= 2428 Width= 22 Total SY= 5928		Length= 274 Width= 22 Total SY= 1376			
ITEM NO.	ITEM	UNIT	UNIT PRICE	BLUE BIRD (FALCON TO NORTH CDS)		BLUE JAY (MEADOWLARK TO WEST END)		CARDINAL (SCHWERMAN TO 250' S/FALCON)		FALCON (PEREGRINE TO MEADOWLARK)		GOLDFINCH (MEADOWLARK TO EAST CDS)		HIGHWAY CI (CARLISLE TO CARLISLE)		MEADOWLARK (SOUTH END TO SCHWERMAN)		ORIOLE (MEADOWLARK TO WEST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON OC/QA)	TON	\$ 90.00	53	\$ 4,770.00	27	\$ 2,430.00	134	\$ 12,060.00	283	\$ 23,670.00	69	\$ 6,210.00	246	\$ 22,320.00	258	\$ 23,040.00	59	\$ 5,310.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OC/QA)	TON	\$ 75.00	100	\$ 7,500.00	54	\$ 4,050.00	269	\$ 20,175.00	525	\$ 39,375.00	138	\$ 10,350.00	497	\$ 37,275.00	511	\$ 38,325.00	119	\$ 8,925.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	12	\$ 72.00	6	\$ 36.00	31	\$ 186.00	61	\$ 366.00	16	\$ 96.00	58	\$ 348.00	59	\$ 354.00	14	\$ 84.00
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1091	\$ 2,182.00	554	\$ 1,108.00	2771	\$ 5,542.00	5411	\$ 10,822.00	1419	\$ 2,838.00	5117	\$ 10,234.00	5200	\$ 10,538.00	1223	\$ 2,446.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	12	\$ 510.00	6	\$ 255.00	31	\$ 1,317.50	61	\$ 2,592.50	16	\$ 680.00	56	\$ 2,485.00	59	\$ 2,507.50	14	\$ 595.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	25	\$ 875.00	12	\$ 420.00	62	\$ 2,170.00	122	\$ 4,270.00	32	\$ 1,120.00	115	\$ 4,025.00	110	\$ 3,850.00	28	\$ 980.00
				SUBTOTAL \$ 16,356.00		SUBTOTAL \$ 8,209.00		SUBTOTAL \$ 41,450.50		SUBTOTAL \$ 81,095.50		SUBTOTAL \$ 21,294.00		SUBTOTAL \$ 76,667.00		SUBTOTAL \$ 78,929.50		SUBTOTAL \$ 18,340.00	
				ENGINEERING (10%) \$ 1,635.90		ENGINEERING (10%) \$ 820.90		ENGINEERING (10%) \$ 4,145.05		ENGINEERING (10%) \$ 8,109.55		ENGINEERING (10%) \$ 2,129.40		ENGINEERING (10%) \$ 7,666.70		ENGINEERING (10%) \$ 7,892.95		ENGINEERING (10%) \$ 1,834.00	
				Roadway TOTAL \$ 17,994.90		Roadway TOTAL \$ 9,129.90		Roadway TOTAL \$ 45,595.55		Roadway TOTAL \$ 89,205.05		Roadway TOTAL \$ 23,423.40		Roadway TOTAL \$ 84,333.70		Roadway TOTAL \$ 86,822.45		Roadway TOTAL \$ 20,174.00	

		YEAR 6 STREETS																	
		Length= 1850 Width= 22 Total SY= 6033		Length= 987 Width= 22 Total SY= 3135		Length= 945 Width= 22 Total SY= 2705		Length= 681 Width= 22 Total SY= 2387		Length= 675 Width= 22 Total SY= 2325		Length= 1500 Width= 22 Total SY= 4327		Length= 430 Width= 22 Total SY= 1051		Length= 975 Width= 22 Total SY= 2383			
ITEM NO.	ITEM	UNIT	UNIT PRICE	PEREGRINE (SOUTH CDS TO WEST CDS)		SANDPIPER (WEST END TO EAST CDS)		SEQUOIA RD (BLACKHAWK TO E CDS)		SHEARWATER (MEADOWLARK TO WEST CDS)		SHENANDOAH (SEQUOIA TO NORTH CDS)		UNIVERSITY (CARLISLE TO CARLISLE)		CHARLESTON CT (HAWTHORN GR TO S CDS)		HARRINGTON CT (HAWTHORN GROVE TO W CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST						
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON OC/QA)	TON	\$ 90.00	280	\$ 25,200.00	135	\$ 12,150.00	117	\$ 10,530.00	103	\$ 9,270.00	100	\$ 9,000.00	187	\$ 16,830.00	45	\$ 4,050.00	103	\$ 9,270.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OC/QA)	TON	\$ 75.00	520	\$ 39,000.00	270	\$ 20,250.00	233	\$ 17,475.00	206	\$ 15,450.00	201	\$ 15,075.00	373	\$ 27,975.00	61	\$ 4,575.00	206	\$ 15,450.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	80	\$ 480.00	31	\$ 186.00	27	\$ 162.00	24	\$ 144.00	23	\$ 138.00	43	\$ 258.00	11	\$ 66.00	24	\$ 144.00
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	5363	\$ 10,726.00	2787	\$ 5,574.00	2404	\$ 4,808.00	2122	\$ 4,244.00	2067	\$ 4,134.00	3848	\$ 7,696.00	934	\$ 1,868.00	2118	\$ 4,236.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	60	\$ 2,550.00	31	\$ 1,317.50	27	\$ 1,147.50	24	\$ 1,020.00	23	\$ 977.50	43	\$ 1,827.50	0	\$ -	0	\$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	28	\$ 560.00	63	\$ 1,260.00
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	121	\$ 4,235.00	63	\$ 2,205.00	54	\$ 1,890.00	48	\$ 1,680.00	47	\$ 1,645.00	87	\$ 3,045.00	21	\$ 735.00	46	\$ 1,610.00
				SUBTOTAL \$ 80,271.00		SUBTOTAL \$ 41,692.50		SUBTOTAL \$ 36,012.50		SUBTOTAL \$ 31,806.00		SUBTOTAL \$ 30,699.50		SUBTOTAL \$ 57,627.50		SUBTOTAL \$ 14,103.00		SUBTOTAL \$ 32,047.50	
				ENGINEERING (10%) \$ 8,027.10		ENGINEERING (10%) \$ 4,169.25		ENGINEERING (10%) \$ 3,601.25		ENGINEERING (10%) \$ 3,180.60		ENGINEERING (10%) \$ 3,069.95		ENGINEERING (10%) \$ 5,762.75		ENGINEERING (10%) \$ 1,410.30		ENGINEERING (10%) \$ 3,204.75	
				Roadway TOTAL \$ 88,298.10		Roadway TOTAL \$ 45,861.75		Roadway TOTAL \$ 39,613.75		Roadway TOTAL \$ 34,986.60		Roadway TOTAL \$ 34,088.45		Roadway TOTAL \$ 63,390.25		Roadway TOTAL \$ 15,513.30		Roadway TOTAL \$ 35,252.25	

		YEAR 6 STREETS							
		Length= 3100 Width= 22 Total SY= 7578		Length= 2300 Width= 22 Total SY= 5822		Length= 670 Width= 22 Total SY= 1638			
ITEM NO.	ITEM	UNIT	UNIT PRICE	HAWTHORN GROVE CI (HAWTHORN GR DR TO HAWTHORN GR DR)		HAWTHORN GR DR (GILMER TO HAWTHORN GR CI)		KENSINGTON CT (HAWTHORN GR DR TO N CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON OC/QA)	TON	\$ 90.00	327	\$ 29,430.00	242	\$ 21,780.00	71	\$ 6,390.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON OC/QA)	TON	\$ 75.00	654	\$ 49,050.00	485	\$ 36,375.00	141	\$ 10,575.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	76	\$ 456.00	59	\$ 354.00	16	\$ 96.00
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	6736	\$ 13,472.00	4907	\$ 9,814.00	1456	\$ 2,912.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	0	\$ -	0	\$ -	0	\$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	202	\$ 4,040.00	150	\$ 3,000.00	44	\$ 880.00
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	162	\$ 5,730.00	112	\$ 3,920.00	33	\$ 1,155.00
				SUBTOTAL \$ 101,758.00		SUBTOTAL \$ 75,355.00		SUBTOTAL \$ 21,999.00	
				ENGINEERING (10%) \$ 10,175.80		ENGINEERING (10%) \$ 7,535.50		ENGINEERING (10%) \$ 2,199.90	
				Roadway TOTAL \$ 111,933.80		Roadway TOTAL \$ 82,890.50		Roadway TOTAL \$ 24,198.90	
				ROADWAY TOTAL \$ 953,600.00		ROUTINE MAINTENANCE \$ 210,000.00		YEAR 5 TOTAL \$ 1,163,600.00	

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 6 STREETS																																					
		Length= 680 Width= 22 Total SY= 2025		Length= 250 Width= 23 Total SY= 1515		Length= 1000 Width= 22 Total SY= 2400		Length= 878 Width= 22 Total SY= 2146		Length= 6935 Width= 21 Total SY= 17520		Length= 1556 Width= 22 Total SY= 3804		Length= 3270 Width= 21.5 Total SY= 7850		Length= 1050 Width= 22 Total SY= 3450																							
ITEM NO.	ITEM	UNIT	UNIT PRICE	BENT TREE (FOX HUNT TO WEST CDS)		FOX HUNT CT (FOX HUNT TR TO EAST CDS)		FOX HUNT TR (PHEASANT RUN TO OLD MCHENRY)		GLEN (DARLINGTON TO CARLISLE)		INDIAN CREEK (GILMER TO VILLAGE LIMIT)		ONONDAGA (SENECA EAST TO SENECA WEST)		PHEASANT RUN (THORNFIELD TO THORNFIELD)		RUTGERS (INDIAN CREEK TO E CDS)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	113	\$ 10,170.00	65	\$ 5,850.00	107	\$ 9,630.00	63	\$ 5,670.00	756	\$ 68,040.00	164	\$ 14,760.00	330	\$ 30,510.00	149	\$ 13,410.00																				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	226	\$ 16,950.00	131	\$ 9,825.00	214	\$ 16,050.00	185	\$ 13,875.00	1811	\$ 135,325.00	328	\$ 24,600.00	677	\$ 50,775.00	298	\$ 22,350.00																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	28	\$ 168.00	15	\$ 90.00	25	\$ 150.00	21	\$ 126.00	175	\$ 1,050.00	38	\$ 228.00	79	\$ 474.00	35	\$ 210.00																				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	2333	\$ 4,666.00	1347	\$ 2,694.00	2204	\$ 4,408.00	1908	\$ 3,816.00	15573	\$ 31,146.00	3381	\$ 6,762.00	6978	\$ 13,956.00	3007	\$ 6,134.00																				
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	SY	\$ 42.50	28	\$ 1,190.00	15	\$ 637.50	25	\$ 1,062.50	21	\$ 892.50	175	\$ 7,437.50	38	\$ 1,615.00	79	\$ 3,357.50	35	\$ 1,487.50																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
*NA	CLASS D PATCHES, SPECIAL 6-INCHES	SY	\$ 35.00	53	\$ 1,855.00	30	\$ 1,050.00	50	\$ 1,750.00	43	\$ 1,505.00	350	\$ 12,250.00	70	\$ 2,450.00	157	\$ 5,495.00	60	\$ 2,115.00																				
SUBTOTAL				\$ 34,902.00	SUBTOTAL				\$ 20,146.50	SUBTOTAL				\$ 33,060.50	SUBTOTAL				\$ 28,584.50	SUBTOTAL				\$ 233,248.50	SUBTOTAL				\$ 50,825.00	SUBTOTAL				\$ 104,587.50	SUBTOTAL				\$ 46,008.50
ENGINEERING (10%)				\$ 3,490.20	ENGINEERING (10%)				\$ 2,014.65	ENGINEERING (10%)				\$ 3,306.05	ENGINEERING (10%)				\$ 2,858.45	ENGINEERING (10%)				\$ 23,324.85	ENGINEERING (10%)				\$ 5,082.50	ENGINEERING (10%)				\$ 10,458.75	ENGINEERING (10%)				\$ 4,600.85
Roadway TOTAL				\$ 38,392.20	Roadway TOTAL				\$ 22,161.15	Roadway TOTAL				\$ 36,356.55	Roadway TOTAL				\$ 31,442.95	Roadway TOTAL				\$ 266,673.35	Roadway TOTAL				\$ 55,907.50	Roadway TOTAL				\$ 115,046.25	Roadway TOTAL				\$ 50,607.15

		YEAR 6 STREETS																																					
		Length= 1443 Width= 22 Total SY= 4234		Length= 725 Width= 22 Total SY= 2700		Length= 1093 Width= 22 Total SY= 2420		Length= 1425 Width= 21.5 Total SY= 3430		Length= 528 Width= 21.5 Total SY= 1255		Length= 705 Width= 25 Total SY= 2208		Length= 593 Width= 25 Total SY= 1647		Length= 2840 Width= 22 Total SY= 6943																							
ITEM NO.	ITEM	UNIT	UNIT PRICE	SENECA WEST (S CDS TO INDIAN CREEK)		THORNFIELD (PHEASANT RUN TO NORTH CDS)		THORNFIELD (PHEASANT RUN TO MOOREGATE)		WINDING BRANCH (MILTON TO PHEASANT RUN)		WOODED (WINDING BRANCH TO MILTON)		GOLF CREST (S CDS TO N CDS)		SCARLET OAK DR (OWENS TO GOLF CREST)		W KRUCKENBERG (MIDLOTHIAN TO LIMIT)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	183	\$ 16,470.00	110	\$ 9,900.00	105	\$ 9,450.00	148	\$ 13,320.00	54	\$ 4,860.00	95	\$ 8,550.00	71	\$ 6,390.00	300	\$ 27,000.00																				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	365	\$ 27,375.00	233	\$ 17,475.00	210	\$ 15,750.00	290	\$ 22,200.00	108	\$ 8,100.00	190	\$ 14,250.00	142	\$ 10,650.00	600	\$ 45,000.00																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	42	\$ 252.00	27	\$ 162.00	24	\$ 144.00	34	\$ 204.00	13	\$ 78.00	22	\$ 132.00	16	\$ 96.00	68	\$ 414.00																				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	3764	\$ 7,528.00	2400	\$ 4,800.00	2150	\$ 4,318.00	3049	\$ 6,098.00	1115	\$ 2,232.00	1965	\$ 3,926.00	1464	\$ 2,928.00	6180	\$ 12,360.00																				
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	SY	\$ 42.50	42	\$ 1,785.00	27	\$ 1,147.50	24	\$ 1,020.00	34	\$ 1,445.00	13	\$ 552.00	0	\$ -	0	\$ -	0	\$ -																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	52	\$ 1,033.50	30	\$ 600.00	0	\$ -																				
*NA	CLASS D PATCHES, SPECIAL 6-INCHES	SY	\$ 35.00	85	\$ 2,975.00	54	\$ 1,890.00	49	\$ 1,715.00	60	\$ 2,115.00	25	\$ 875.00	44	\$ 1,540.00	33	\$ 1,155.00	130	\$ 4,550.00																				
SUBTOTAL				\$ 56,395.00	SUBTOTAL				\$ 35,014.50	SUBTOTAL				\$ 32,397.00	SUBTOTAL				\$ 45,662.00	SUBTOTAL				\$ 16,697.50	SUBTOTAL				\$ 20,431.50	SUBTOTAL				\$ 21,980.00	SUBTOTAL				\$ 86,630.00
ENGINEERING (10%)				\$ 5,639.50	ENGINEERING (10%)				\$ 3,501.45	ENGINEERING (10%)				\$ 3,239.70	ENGINEERING (10%)				\$ 4,566.20	ENGINEERING (10%)				\$ 1,669.75	ENGINEERING (10%)				\$ 2,043.15	ENGINEERING (10%)				\$ 2,198.00	ENGINEERING (10%)				\$ 8,663.00
Roadway TOTAL				\$ 62,034.50	Roadway TOTAL				\$ 38,515.95	Roadway TOTAL				\$ 36,636.70	Roadway TOTAL				\$ 50,250.28	Roadway TOTAL				\$ 18,367.25	Roadway TOTAL				\$ 22,679.50	Roadway TOTAL				\$ 24,178.89	Roadway TOTAL				\$ 95,293.00

Roadway TOTAL	\$ 967,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 6 TOTAL	\$ 1,177,000.00

		YEAR 7 STREETS																																					
		Length= 190 Width= 22 Total SY= 1193		Length= 120 Width= 22 TO 32 Total SY= 1345		Length= 1335 Width= 22 Total SY= 3588		Length= 275 Width= 22.5 Total SY= 770		Length= 2470 Width= 21 Total SY= 7195		Length= 1725 Width= 22 Total SY= 4270		Length= 980 Width= 22 Total SY= 2156		Length= 3900 Width= 22 Total SY= 13545																							
ITEM NO.	ITEM	UNIT	UNIT PRICE	BYRON CT (KATHY TO SOUTH CDS)		COOPER (KATHY TO SOUTH CDS)		DAVID (NORTH END TO SOUTH END)		HOLMES (KATHY TO FAIRFIELD)		KATHY (EAST VILLAGE LIMIT TO WEST CDS)		WHITMAN (KATHY TO DAVID)		AQUATIC CENTER		HERITAGE OAKS PARK																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	8731	\$ 13,096.50	13845	\$ 20,317.50																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	471	\$ 9,420.00	731	\$ 14,628.00																				
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	51	\$ 4,590.00	58	\$ 5,220.00	154	\$ 13,860.00	33	\$ 2,970.00	310	\$ 27,900.00	184	\$ 16,560.00	1255	\$ 112,957.50	1947	\$ 175,236.44																				
40603310	HOT-MIX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	103	\$ 7,725.00	110	\$ 8,250.00	307	\$ 23,025.00	60	\$ 4,500.00	621	\$ 46,575.00	368	\$ 27,600.00	753	\$ 56,478.00	1168	\$ 87,618.22																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	12	\$ 72.00	13	\$ 78.00	30	\$ 180.00	8	\$ 48.00	72	\$ 432.00	43	\$ 258.00	8731	\$ 52,386.00	13845	\$ 81,270.00																				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1050	\$ 2,100.00	1190	\$ 2,380.00	3189	\$ 6,378.00	694	\$ 1,388.00	3796	\$ 7,592.00	3796	\$ 7,592.00	0	\$ -	0	\$ -																				
48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	SY	\$ 42.50	12	\$ 510.00	13	\$ 552.50	35	\$ 1,487.50	8	\$ 340.00	72	\$ 3,060.00	43	\$ 1,822.50	0	\$ -	0	\$ -																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	84	\$ 1,680.00	254	\$ 5,070.00																				
*NA	CLASS D PATCHES, SPECIAL 6-INCHES	SY	\$ 35.00	24	\$ 840.00	27	\$ 945.00	71	\$ 2,485.00	15	\$ 525.00	144	\$ 5,040.00	85	\$ 2,975.00	0	\$ -	0	\$ -																				
SUBTOTAL				\$ 15,857.00	SUBTOTAL				\$ 17,887.50	SUBTOTAL				\$ 47,454.00	SUBTOTAL				\$ 10,201.00	SUBTOTAL				\$ 65,790.00	SUBTOTAL				\$ 56,812.50	SUBTOTAL				\$ 245,621.95	SUBTOTAL				\$ 384,143.76
ENGINEERING (10%)				\$ 1,585.70	ENGINEERING (10%)				\$ 1,788.75	ENGINEERING (10%)				\$ 4,745.40	ENGINEERING (10%)				\$ 1,020.10	ENGINEERING (10%)				\$ 6,579.00	ENGINEERING (10%)				\$ 5,681.25	ENGINEERING (10%)				\$ 24,562.19	ENGINEERING (10%)				\$ 38,414.38
Roadway TOTAL				\$ 17,442.70	Roadway TOTAL				\$ 19,676.25	Roadway TOTAL				\$ 52,199.40	Roadway TOTAL				\$ 11,221.10	Roadway TOTAL				\$ 72,369.00	Roadway TOTAL				\$ 62,493.75	Roadway TOTAL				\$ 270,184.14	Roadway TOTAL				\$ 422,558.13

Roadway TOTAL	\$ 961,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 7 TOTAL	\$ 1,171,000.00

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 6 STREETS																																					
		Length= 1920 Width= 22 Total SY= 4287		Length= 690 Width= 22 Total SY= 1578		Length= 1035 Width= 22 Total SY= 2265		Length= 100 Width= 100 Total SY= 875		Length= 1701 Width= 22 Total SY= 4378		Length= 1055 Width= 22 Total SY= 2570		Length= 2748 Width= 22 Total SY= 6712		Length= 658 Width= 21 Total SY= 1695																							
ITEM NO	ITEM	UNIT	UNIT PRICE	ABERDEEN (DARLINGTON TO DARLINGTON)		ACORN (BRUCE CI S TO ROBIN CREST)		ACORN (OLD MCHENRY TO 12 ACORN)		BRIERWOODS CT (BRIERWOODS LN TO N CDS)		BRIERWOODS LN (BRUCE TO VILLAGE LIMIT)		BRUCE CI (WAYNE TO S CDS)		BRUCE CI N (WAYNE TO ACORN)		ECHO CT (ACORN TO SOUTH CDS)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 60.00	184	\$ 10,560.00	68	\$ 4,080.00	115	\$ 6,900.00	38	\$ 2,280.00	189	\$ 11,340.00	111	\$ 6,660.00	280	\$ 16,800.00	82	\$ 4,920.00	163	\$ 9,780.00																		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON QC/QA)	TON	\$ 75.00	388	\$ 29,100.00	136	\$ 10,200.00	230	\$ 17,250.00	78	\$ 5,850.00	378	\$ 28,350.00	222	\$ 16,650.00	579	\$ 43,425.00	193	\$ 14,475.00	103	\$ 7,725.00																		
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	43	\$ 258.00	16	\$ 96.00	27	\$ 162.00	9	\$ 54.00	44	\$ 264.00	20	\$ 120.00	67	\$ 402.00	19	\$ 114.00	10	\$ 60.00																		
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	3793	\$ 7,586.00	1403	\$ 2,806.00	2369	\$ 4,738.00	778	\$ 1,556.00	3892	\$ 7,784.00	2292	\$ 4,584.00	5668	\$ 11,336.00	1684	\$ 3,368.00	103	\$ 2,060.00																		
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	43	\$ 1,827.50	16	\$ 680.00	27	\$ 1,147.50	9	\$ 382.50	44	\$ 1,870.00	20	\$ 850.00	67	\$ 2,847.50	19	\$ 807.50	10	\$ 425.00																		
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	65	\$ 2,275.00	32	\$ 1,120.00	53	\$ 1,855.00	18	\$ 630.00	68	\$ 2,380.00	52	\$ 1,820.00	134	\$ 4,690.00	38	\$ 1,330.00	19	\$ 675.00																		
SUBTOTAL				\$ 56,806.50	SUBTOTAL				\$ 21,022.00	SUBTOTAL				\$ 35,502.50	SUBTOTAL				\$ 11,007.50	SUBTOTAL				\$ 56,358.00	SUBTOTAL				\$ 34,305.00	SUBTOTAL				\$ 89,306.50	SUBTOTAL				\$ 25,224.50
ENGINEERING (10%)				\$ 5,680.65	ENGINEERING (10%)				\$ 2,102.20	ENGINEERING (10%)				\$ 3,550.25	ENGINEERING (10%)				\$ 1,100.75	ENGINEERING (10%)				\$ 5,635.60	ENGINEERING (10%)				\$ 3,430.50	ENGINEERING (10%)				\$ 8,930.65	ENGINEERING (10%)				\$ 2,522.45
Roadway TOTAL				\$ 62,487.15	Roadway TOTAL				\$ 23,124.20	Roadway TOTAL				\$ 39,052.75	Roadway TOTAL				\$ 12,834.25	Roadway TOTAL				\$ 64,193.80	Roadway TOTAL				\$ 37,735.50	Roadway TOTAL				\$ 98,237.15	Roadway TOTAL				\$ 27,746.95

		YEAR 6 STREETS																																					
		Length= 407 Width= 24 Total SY= 1093		Length= 1601 Width= 22 Total SY= 3514		Length= 278 Width= 22 Total SY= 610		Length= 655 Width= 22 Total SY= 1395		Length= 1158 Width= 22 Total SY= 2573		Length= 478 Width= 22 Total SY= 1108		Length= 1894 Width= 22 Total SY= 4209		Length= 1606 Width= 22 Total SY= 3626																							
ITEM NO	ITEM	UNIT	UNIT PRICE	ENCLAVE WAY (JOHN TO S CDS)		HEATHER (QUENTIN TO WEST CDS)		HERON (EAST CDS TO DARLINGTON)		HIGHLAND TERRACE (HEATHER TO MCGREGOR)		JAMES DR (DARLINGTON TO JOHN)		JANE (JUEL TO SOUTH CDS)		JOHN (DARLINGTON TO ENCLAVE WAY)		JUEL (DARLINGTON TO ELM)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 60.00	86	\$ 5,160.00	169	\$ 10,140.00	47	\$ 2,820.00	60	\$ 3,600.00	111	\$ 6,660.00	50	\$ 3,000.00	182	\$ 10,920.00	166	\$ 9,960.00	166	\$ 9,960.00																		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON QC/QA)	TON	\$ 75.00	172	\$ 12,900.00	336	\$ 25,200.00	93	\$ 6,975.00	120	\$ 9,000.00	222	\$ 16,650.00	101	\$ 7,575.00	383	\$ 28,725.00	330	\$ 24,750.00	330	\$ 24,750.00																		
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	20	\$ 120.00	39	\$ 234.00	11	\$ 66.00	14	\$ 84.00	28	\$ 168.00	12	\$ 72.00	42	\$ 252.00	30	\$ 180.00	30	\$ 180.00																		
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1772	\$ 3,544.00	3470	\$ 6,940.00	959	\$ 1,918.00	1240	\$ 2,480.00	2287	\$ 4,574.00	1038	\$ 2,076.00	3741	\$ 7,482.00	3490	\$ 6,980.00	3490	\$ 6,980.00																		
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	20	\$ 850.00	39	\$ 1,657.50	11	\$ 467.50	14	\$ 595.00	28	\$ 1,180.00	12	\$ 510.00	42	\$ 1,785.00	30	\$ 1,275.00	30	\$ 1,275.00																		
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	40	\$ 1,400.00	78	\$ 2,730.00	22	\$ 770.00	28	\$ 980.00	51	\$ 1,785.00	23	\$ 805.00	84	\$ 2,940.00	79	\$ 2,765.00	79	\$ 2,765.00																		
SUBTOTAL				\$ 26,554.00	SUBTOTAL				\$ 52,139.50	SUBTOTAL				\$ 14,426.50	SUBTOTAL				\$ 18,539.00	SUBTOTAL				\$ 34,280.00	SUBTOTAL				\$ 15,536.00	SUBTOTAL				\$ 56,084.00	SUBTOTAL				\$ 82,271.50
ENGINEERING (10%)				\$ 2,655.40	ENGINEERING (10%)				\$ 5,213.95	ENGINEERING (10%)				\$ 1,442.65	ENGINEERING (10%)				\$ 1,853.90	ENGINEERING (10%)				\$ 3,426.00	ENGINEERING (10%)				\$ 1,553.60	ENGINEERING (10%)				\$ 5,608.40	ENGINEERING (10%)				\$ 2,527.15
Roadway TOTAL				\$ 29,209.40	Roadway TOTAL				\$ 57,353.45	Roadway TOTAL				\$ 15,869.15	Roadway TOTAL				\$ 20,392.90	Roadway TOTAL				\$ 37,686.00	Roadway TOTAL				\$ 17,091.80	Roadway TOTAL				\$ 61,676.40	Roadway TOTAL				\$ 84,798.65

		YEAR 6 STREETS																																					
		Length= 562 Width= 20 Total SY= 1906		Length= 690 Width= 22 Total SY= 2510		Length= 1644 Width= 22 Total SY= 4098		Length= 1050 Width= 21.5 Total SY= 3345		Length= 1340 Width= 21 Total SY= 3190		Length= 370 Width= 22 Total SY= 1355		Length= 428 Width= 22 Total SY= 1920		Length= 728 Width= 22 Total SY= 1775																							
ITEM NO	ITEM	UNIT	UNIT PRICE	LYDIA (ACORN TO EAST CDS)		MCGREGOR (WEST CDS TO PIPER)		NORBERT (DARLINGTON TO JOHN)		PIPER (MCGREGOR TO HEATHER)		ROBIN CREST (ACORN TO BRUCE CI S)		ROBIN CREST (EAST CDS TO ACORN DR)		TANGLEWOOD CT (TANGLEWOOD LN TO N CDS)		TANGLEWOOD LN (BRIERWOODS LN TO W END)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 60.00	82	\$ 4,920.00	169	\$ 10,140.00	47	\$ 2,820.00	60	\$ 3,600.00	111	\$ 6,660.00	50	\$ 3,000.00	182	\$ 10,920.00	166	\$ 9,960.00	166	\$ 9,960.00																		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (NON QC/QA)	TON	\$ 75.00	164	\$ 12,300.00	310	\$ 23,250.00	353	\$ 26,475.00	280	\$ 21,000.00	270	\$ 20,250.00	117	\$ 8,775.00	466	\$ 34,950.00	330	\$ 24,750.00	330	\$ 24,750.00																		
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	19	\$ 114.00	25	\$ 150.00	41	\$ 246.00	33	\$ 198.00	31	\$ 186.00	14	\$ 84.00	19	\$ 114.00	19	\$ 114.00	19	\$ 114.00																		
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1889	\$ 3,778.00	2231	\$ 4,462.00	3643	\$ 7,286.00	2973	\$ 5,946.00	2782	\$ 5,564.00	1204	\$ 2,408.00	1707	\$ 3,414.00	1578	\$ 3,156.00	1578	\$ 3,156.00																		
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	19	\$ 807.50	25	\$ 1,062.50	41	\$ 1,742.50	33	\$ 1,402.50	31	\$ 1,317.50	14	\$ 595.00	19	\$ 807.50	19	\$ 807.50	19	\$ 807.50																		
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																		
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	38	\$ 1,330.00	50	\$ 1,750.00	82	\$ 2,870.00	67	\$ 2,345.00	63	\$ 2,205.00	27	\$ 945.00	38	\$ 1,330.00	38	\$ 1,330.00	38	\$ 1,330.00																		
SUBTOTAL				\$ 25,309.50	SUBTOTAL				\$ 33,344.50	SUBTOTAL				\$ 54,546.50	SUBTOTAL				\$ 44,526.50	SUBTOTAL				\$ 41,672.50	SUBTOTAL				\$ 16,027.00	SUBTOTAL				\$ 25,585.50	SUBTOTAL				\$ 23,694.00
ENGINEERING (10%)				\$ 2,530.95	ENGINEERING (10%)				\$ 3,334.45	ENGINEERING (10%)				\$ 5,454.65	ENGINEERING (10%)				\$ 4,452.65	ENGINEERING (10%)				\$ 4,167.25	ENGINEERING (10%)				\$ 1,602.70	ENGINEERING (10%)				\$ 2,558.55	ENGINEERING (10%)				\$ 2,369.40
Roadway TOTAL				\$ 27,840.45	Roadway TOTAL				\$ 36,678.95	Roadway TOTAL				\$ 60,001.15	Roadway TOTAL				\$ 48,679.15	Roadway TOTAL				\$ 45,839.75	Roadway TOTAL				\$ 17,629.70	Roadway TOTAL				\$ 28,144.05	Roadway TOTAL				\$ 26,063.40

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 8 STREETS			
		Length= 2165 Width= 21		Length= 414 Width= 22	
		Total SY= 5055		Total SY= 1845	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	218	\$ 19,620.00
40600310	HOT-MIX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	436	\$ 32,700.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	51	\$ 306.00
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	4493	\$ 8,986.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	51	\$ 2,167.50
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	101	\$ 3,535.00
		SUBTOTAL		\$ 67,314.50	\$ 21,895.00
		ENGINEERING (10%)		\$ 6,731.45	\$ 2,189.50
		Roadway TOTAL		\$ 74,045.95	\$ 24,084.50

ROADWAY TOTAL	\$ 1,054,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 8 TOTAL	\$ 1,264,000.00

		YEAR 9 STREETS						
		Length= 1066 Width= 22		Length= 4842 Width= 22		Length= 1718 Width= 22		
		Total SY= 2808		Total SY= 17451		Total SY= 4200		
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	2808	\$ 3,900.00	0	\$ -	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	141	\$ 2,814.48	0	\$ -	
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	375	\$ 33,715.13	753	\$ 67,779.00	
40600310	HOT-MIX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	225	\$ 16,857.56	1505	\$ 112,875.00	
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	2808	\$ 15,636.00	175	\$ 1,050.00	
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	0	\$ -	15512	\$ 31,024.00	
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	474	\$ 20,137.27	175	\$ 7,437.50	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	0	\$ -	340	\$ 12,215.00	
		SUBTOTAL		\$ 93,069.44	\$ 232,371.50	SUBTOTAL		\$ 630,000.00
		ENGINEERING (10%)		\$ 9,306.94	\$ 23,237.15	ENGINEERING (10%)		\$ 63,000.00
		Roadway TOTAL		\$ 102,376.38	\$ 255,608.65	Roadway TOTAL		\$ 693,000.00

ROADWAY TOTAL	\$ 1,051,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 9 TOTAL	\$ 1,261,000.00

		YEAR 10 STREETS																		
		Length= 950 Width= 21		Length= 186 Width= 22		Length= 4265 Width= 22		Length= 2095 Width= 22		Length= 855 Width= 22		Length= 1007 Width= 22		Length= 265 Width= 22		Length= 2770 Width= 22				
		Total SY= 2220		Total SY= 1014		Total SY= 10430		Total SY= 5125		Total SY= 2462		Total SY= 2462		Total SY= 589		Total SY= 6775				
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST			
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -			
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -			
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	98	\$ 8,840.00	44	\$ 3,960.00	450	\$ 40,500.00	221	\$ 19,800.00	106	\$ 9,540.00	100	\$ 9,000.00	25	\$ 2,250.00			
40600310	HOT-MIX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	191	\$ 14,325.00	87	\$ 6,525.00	900	\$ 67,500.00	442	\$ 33,150.00	212	\$ 15,900.00	212	\$ 15,900.00	51	\$ 3,825.00			
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	22	\$ 132.00	10	\$ 60.00	104	\$ 624.00	51	\$ 306.00	25	\$ 150.00	25	\$ 150.00	6	\$ 36.00			
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1973	\$ 3,946.00	901	\$ 1,802.00	9271	\$ 18,542.00	4556	\$ 9,112.00	2188	\$ 4,376.00	2188	\$ 4,376.00	524	\$ 1,048.00			
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 6"	SY	\$ 42.50	22	\$ 935.00	10	\$ 425.00	104	\$ 4,420.00	51	\$ 2,167.50	25	\$ 1,062.50	25	\$ 1,062.50	6	\$ 255.00			
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -			
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	44	\$ 1,540.00	20	\$ 700.00	209	\$ 7,315.00	103	\$ 3,605.00	49	\$ 1,715.00	49	\$ 1,715.00	12	\$ 420.00			
		SUBTOTAL		\$ 29,516.00	\$ 13,472.00	SUBTOTAL		\$ 138,001.00	SUBTOTAL		\$ 66,230.50	SUBTOTAL		\$ 32,743.50	SUBTOTAL		\$ 7,834.00	SUBTOTAL		\$ 90,182.00
		ENGINEERING (10%)		\$ 2,951.60	\$ 1,347.20	ENGINEERING (10%)		\$ 13,800.10	ENGINEERING (10%)		\$ 6,623.05	ENGINEERING (10%)		\$ 3,274.35	ENGINEERING (10%)		\$ 783.40	ENGINEERING (10%)		\$ 9,018.20
		Roadway TOTAL		\$ 32,467.60	\$ 14,819.20	Roadway TOTAL		\$ 152,791.10	Roadway TOTAL		\$ 72,853.55	Roadway TOTAL		\$ 36,017.85	Roadway TOTAL		\$ 8,617.40	Roadway TOTAL		\$ 99,200.20

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

YEAR 10 STREETS																		
		Length= 620 Width= 22 Total SY= 1516		Length= 1017 Width= 22 Total SY= 2260		Length= 793 Width= 21 Total SY= 1650		Length= 3696 Width= 22 Total SY= 8213		Length= 686 Width= 21 Total SY= 1365		Length= 1681 Width= 22 Total SY= 4402		Length= 2007 Width= 22 Total SY= 5406		Length= 2380 Width= 22 Total SY= 6126		
ITEM NO	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	85	\$ 8,850.00	67	\$ 6,730.00	80	\$ 7,200.00	354	\$ 31,860.00	190	\$ 17,100.00	233	\$ 20,970.00	264	\$ 23,760.00	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MK "C", N50 (NON QC/QA)	TON	\$ 75.00	131	\$ 9,825.00	195	\$ 14,625.00	160	\$ 12,000.00	708	\$ 53,100.00	118	\$ 8,850.00	390	\$ 29,250.00	466	\$ 34,950.00	
44000160	PAVEMENT REMOVAL	SY	\$ 6.00	15	\$ 90.00	23	\$ 138.00	10	\$ 60.00	62	\$ 372.00	14	\$ 84.00	44	\$ 264.00	54	\$ 324.00	
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1348	\$ 2,696.00	2009	\$ 4,018.00	1644	\$ 3,288.00	7300	\$ 14,600.00	1213	\$ 2,426.00	3913	\$ 7,826.00	4805	\$ 9,610.00	
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	15	\$ 637.50	23	\$ 977.50	10	\$ 425.00	82	\$ 3,485.00	14	\$ 595.00	44	\$ 1,870.00	54	\$ 2,295.00	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	30	\$ 1,050.00	45	\$ 1,575.00	37	\$ 1,297.50	164	\$ 5,740.00	27	\$ 945.00	68	\$ 2,380.00	108	\$ 3,780.00	
SUBTOTAL				20,148.50		30,063.50		24,704.50		109,277.00		16,210.00		58,640.00		71,920.00		61,513.50
ENGINEERING (10%)				2,014.85		3,006.35		2,470.45		10,927.70		1,621.00		5,864.00		7,192.00		6,151.35
Roadway TOTAL				22,163.35		33,069.85		27,174.95		120,204.70		20,031.00		64,504.00		79,112.00		67,664.85

Roadway TOTAL	\$ 911,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 10 TOTAL	\$ 1,121,000.00

YEAR 11 STREETS																		
		Length= 190 Width= 22 Total SY= 422		Length= 615 Width= 22 Total SY= 1503		Length= 1301 Width= 22 Total SY= 3180		Length= 520 Width= 22 Total SY= 1944		Length= 220 Width= 22 Total SY= 1244		Length= 3281 Width= 22 Total SY= 9020		Length= 275 Width= 22 Total SY= 672		Length= 250 Width= 22 Total SY= 611		
ITEM NO	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	18	\$ 1,620.00	85	\$ 8,850.00	137	\$ 12,330.00	64	\$ 5,760.00	54	\$ 4,860.00	346	\$ 31,140.00	29	\$ 2,610.00	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MK "C", N50 (NON QC/QA)	TON	\$ 75.00	36	\$ 2,700.00	130	\$ 9,750.00	274	\$ 20,550.00	168	\$ 12,600.00	107	\$ 8,025.00	692	\$ 51,900.00	58	\$ 4,350.00	
44000160	PAVEMENT REMOVAL	SY	\$ 6.00	4	\$ 24.00	15	\$ 90.00	32	\$ 192.00	19	\$ 114.00	12	\$ 72.00	80	\$ 480.00	7	\$ 42.00	
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	375	\$ 750.00	1336	\$ 2,672.00	2827	\$ 5,654.00	1728	\$ 3,456.00	1108	\$ 2,216.00	7129	\$ 14,258.00	597	\$ 1,194.00	
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	4	\$ 170.00	15	\$ 637.50	32	\$ 1,360.00	19	\$ 807.50	12	\$ 510.00	80	\$ 3,400.00	7	\$ 297.50	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	8	\$ 280.00	30	\$ 1,050.00	64	\$ 2,240.00	39	\$ 1,365.00	25	\$ 875.00	160	\$ 5,600.00	13	\$ 455.00	
SUBTOTAL				5,544.00		20,049.50		42,328.00		25,002.50		16,554.00		106,778.00		8,948.50		6,112.00
ENGINEERING (10%)				554.40		2,004.95		4,232.80		2,500.25		1,655.40		10,677.80		894.85		611.20
Roadway TOTAL				6,098.40		22,054.45		46,560.80		28,492.75		18,209.40		117,455.80		9,843.35		6,723.20

YEAR 11 STREETS																		
		Length= 1287 Width= 22 Total SY= 3097		Length= 185 Width= 22 Total SY= 1134		Length= 1206 Width= 22 Total SY= 2948		Length= 775 Width= 22 Total SY= 2570		Length= 1566 Width= 22 Total SY= 3828		Length= 1362 Width= 22 Total SY= 3027		Length= 467 Width= 22 Total SY= 1142		Length= 2095 Width= 22 Total SY= 4856		
ITEM NO	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	134	\$ 12,060.00	49	\$ 4,410.00	127	\$ 11,430.00	111	\$ 9,990.00	165	\$ 14,850.00	131	\$ 11,790.00	49	\$ 4,410.00	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MK "C", N50 (NON QC/QA)	TON	\$ 75.00	267	\$ 20,025.00	98	\$ 7,350.00	254	\$ 19,050.00	222	\$ 16,650.00	330	\$ 24,750.00	261	\$ 19,575.00	98	\$ 7,350.00	
44000160	PAVEMENT REMOVAL	SY	\$ 6.00	31	\$ 186.00	11	\$ 66.00	29	\$ 174.00	20	\$ 120.00	38	\$ 228.00	30	\$ 180.00	11	\$ 66.00	
*44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	2753	\$ 5,506.00	1008	\$ 2,016.00	2620	\$ 5,240.00	2284	\$ 4,568.00	3403	\$ 6,806.00	2691	\$ 5,382.00	1015	\$ 2,030.00	
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	31	\$ 1,317.50	11	\$ 467.50	29	\$ 1,232.50	20	\$ 850.00	33	\$ 1,402.50	30	\$ 1,275.00	11	\$ 467.50	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	62	\$ 2,170.00	23	\$ 805.00	59	\$ 2,085.00	51	\$ 1,785.00	77	\$ 2,695.00	61	\$ 2,135.00	23	\$ 805.00	
SUBTOTAL				41,284.50		15,114.50		39,161.50		34,254.00		50,944.00		40,337.00		15,128.50		62,052.50
ENGINEERING (10%)				4,128.45		1,511.45		3,916.15		3,425.40		5,094.40		4,033.70		1,512.85		6,205.25
Roadway TOTAL				45,412.95		16,625.95		43,110.65		37,679.40		56,038.40		44,370.70		16,641.35		68,257.75

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 11 STREETS																	
		Length= 1763 Width= 22 Total SY= 4310		Length= 195 Width= 22 Total SY= 1156		Length= 1852 Width= 22 Total SY= 4527		Length= 446 Width= 26 Total SY= 2170		Length= 834 Width= 26 Total SY= 2409		Length= 350 Width= 26 Total SY= 1890		Length= 2090 Width= 25 Total SY= 5808		Length= 776 Width= 26 Total SY= 2242			
ITEM NO.	ITEM	UNIT	UNIT PRICE	SENECA WEST (INDIAN CREEK TO WASHITAY)		WAKIA (SENECA WEST TO EAST CDS)		WASHITAY (SENECA W. TO SENECA E.)		ANNE CT (DEER POINT TO S CDS)		DEER POINT DR (GOVERNORS TO BRIDGE E/ANNE)		GOVERNORS CT (OLIVERS TO W CDS)		GOVERNORS WAY (230' E/ENTRY TO OLIVERS)		OLIVERS WAY (GOVERNORS TO LOHANORA)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	186	\$ 16,740.00	50	\$ 4,500.00	198	\$ 17,550.00	94	\$ 8,460.00	184	\$ 16,560.00	82	\$ 7,380.00	260	\$ 23,400.00	97	\$ 8,730.00
40603310	HOT-MX ASPHALT SURFACE COURSE, MIX "C", N50 (NON QC/QA)	TON	\$ 75.00	372	\$ 27,900.00	100	\$ 7,500.00	390	\$ 29,250.00	188	\$ 14,100.00	208	\$ 15,600.00	163	\$ 12,225.00	601	\$ 45,075.00	193	\$ 14,475.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	43	\$ 258.00	12	\$ 72.00	45	\$ 270.00	22	\$ 132.00	24	\$ 144.00	19	\$ 114.00	58	\$ 348.00	22	\$ 132.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	3831	\$ 7,662.00	1028	\$ 2,056.00	4024	\$ 8,048.00	1937	\$ 3,874.00	2141	\$ 4,282.00	1680	\$ 3,360.00	5161	\$ 10,322.00	1993	\$ 3,986.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	43	\$ 1,827.50	12	\$ 510.00	45	\$ 1,912.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	29	\$ 578.00	54	\$ 1,084.00	23	\$ 455.00	138	\$ 2,717.00	50	\$ 1,008.00
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	86	\$ 3,010.00	23	\$ 805.00	81	\$ 2,835.00	44	\$ 1,540.00	48	\$ 1,680.00	38	\$ 1,330.00	118	\$ 4,165.00	45	\$ 1,575.00
				SUBTOTAL \$ 67,397.50		SUBTOTAL \$ 15,443.00		SUBTOTAL \$ 60,215.50		Length= 543 Width= 26 Total SY= 2531 SUBTOTAL \$ 33,300.00		SUBTOTAL \$ 32,150.00		SUBTOTAL \$ 24,884.00		SUBTOTAL \$ 77,522.00		SUBTOTAL \$ 29,998.00	
				ENGINEERING (10%) \$ 5,799.75		ENGINEERING (10%) \$ 1,544.30		ENGINEERING (10%) \$ 6,021.55		ENGINEERING (10%) \$ 2,868.58		ENGINEERING (10%) \$ 3,215.02		ENGINEERING (10%) \$ 2,488.40		ENGINEERING (10%) \$ 7,752.20		ENGINEERING (10%) \$ 2,999.88	
				Roadway TOTAL \$ 63,137.25		Roadway TOTAL \$ 16,987.30		Roadway TOTAL \$ 56,237.05		Roadway TOTAL \$ 31,554.38		Roadway TOTAL \$ 35,365.22		Roadway TOTAL \$ 27,350.40		Roadway TOTAL \$ 85,274.20		Roadway TOTAL \$ 32,897.48	

		YEAR 11 STREETS	
		Length= 543 Width= 26 Total SY= 2531	
ITEM NO.	ITEM	UNIT	UNIT PRICE
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00
40603310	HOT-MX ASPHALT SURFACE COURSE, MIX "C", N50 (NON QC/QA)	TON	\$ 75.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00
SUBTOTAL \$ 33,300.00			
ENGINEERING (10%) \$ 3,330.00			
Roadway TOTAL \$ 36,630.00			
ROADWAY TOTAL \$ 881,000.00			
ROUTINE MAINTENANCE \$ 210,000.00			
YEAR 11 TOTAL \$ 1,191,000.00			

		YEAR 12 STREETS																	
		Length= 2337 Width= 22 Total SY= 5193		Length= 645 Width= 22 Total SY= 2094		Length= 365 Width= 21.5 Total SY= 950		Length= 1280 Width= 22 Total SY= 3080		Length= 1278 Width= 22 Total SY= 3124		Length= 142 Width= 22 Total SY= 902		Length= 215 Width= 22 Total SY= 1233		Length= 2198 Width= 22 Total SY= 5366			
ITEM NO.	ITEM	UNIT	UNIT PRICE	CAMBRIDGE (CARLISLE TO GILMER)		CHERRY HILL CI (GINO TO NORTH CDS)		DARTMOUTH (CAMBRIDGE TO VILLAGE LIMIT)		GINO (360' HAWTHORN TO ST JOHN)		HARVARD (CAMBRIDGE TO CAMBRIDGE)		HILLTOP (OLD BARN TO NORTH CDS)		KAREN (GINO TO SOUTH CDS)		LAKEVIEW (HILLCREST TO OLD BARN)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	224	\$ 20,160.00	90	\$ 8,100.00	41	\$ 3,690.00	133	\$ 11,970.00	135	\$ 12,150.00	39	\$ 3,510.00	53	\$ 4,770.00	231	\$ 20,790.00
40603310	HOT-MX ASPHALT SURFACE COURSE, MIX "C", N50 (NON QC/QA)	TON	\$ 75.00	448	\$ 33,600.00	181	\$ 13,575.00	82	\$ 6,150.00	280	\$ 21,000.00	289	\$ 21,675.00	78	\$ 5,850.00	106	\$ 7,950.00	463	\$ 34,725.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	52	\$ 312.00	21	\$ 126.00	10	\$ 60.00	31	\$ 186.00	31	\$ 186.00	0	\$ -	12	\$ 72.00	54	\$ 324.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	4616	\$ 9,232.00	1861	\$ 3,722.00	844	\$ 1,688.00	2738	\$ 5,476.00	2777	\$ 5,554.00	802	\$ 1,604.00	1096	\$ 2,192.00	4770	\$ 9,540.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	52	\$ 2,210.00	21	\$ 892.50	10	\$ 425.00	31	\$ 1,317.50	31	\$ 1,317.50	0	\$ -	12	\$ 510.00	54	\$ 2,295.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	104	\$ 3,640.00	42	\$ 1,470.00	19	\$ 665.00	62	\$ 2,170.00	62	\$ 2,170.00	18	\$ 630.00	25	\$ 875.00	107	\$ 3,745.00
				SUBTOTAL \$ 69,154.00		SUBTOTAL \$ 27,885.50		SUBTOTAL \$ 12,678.00		SUBTOTAL \$ 41,099.50		SUBTOTAL \$ 41,552.50		SUBTOTAL \$ 12,030.50		SUBTOTAL \$ 16,360.00		SUBTOTAL \$ 71,416.00	
				ENGINEERING (10%) \$ 6,915.40		ENGINEERING (10%) \$ 2,788.55		ENGINEERING (10%) \$ 1,267.80		ENGINEERING (10%) \$ 4,109.95		ENGINEERING (10%) \$ 4,155.25		ENGINEERING (10%) \$ 1,203.05		ENGINEERING (10%) \$ 1,636.00		ENGINEERING (10%) \$ 7,141.60	
				Roadway TOTAL \$ 76,069.40		Roadway TOTAL \$ 30,674.05		Roadway TOTAL \$ 13,945.80		Roadway TOTAL \$ 45,178.45		Roadway TOTAL \$ 45,707.75		Roadway TOTAL \$ 13,233.55		Roadway TOTAL \$ 18,005.90		Roadway TOTAL \$ 78,560.90	

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 12 STREETS																																
		Length= 707 Width= 22 Total SY= 2510		Length= 458 Width= 22 Total SY= 1004		Length= 3302 Width= 22 Total SY= 7338		Length= 708 Width= 22 Total SY= 2312		Length= 420 Width= 22 Total SY= 1027		Length= 500 Width= 22 Total SY= 1742		Length= 752 Width= 22 Total SY= 1838		Length= 2452 Width= 22 Total SY= 5440																		
ITEM NO.	ITEM	UNIT	UNIT PRICE	MAGNOLIA PKWY (ST JOHN TO WEST CDS)		MARY (ST JOHN TO WEST CDS)		OLD BARN (HILLCREST TO VILLAGE LIMIT)		PRINCETON (CAMBRIDGE TO NORTH CDS)		PUBLIC ST (HILLCREST TO NORTH END)		QUAIL HOLLOW (SOUTH CDS TO NORTH CDS)		SAINT JOHN (GILMER TO GINO)		SAINT JOHN (GINO TO OLD BARN)																
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST															
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -															
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -															
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	106	\$ 9,720.00	73	\$ 6,570.00	315	\$ 28,440.00	100	\$ 9,000.00	44	\$ 3,960.00	75	\$ 6,750.00	79	\$ 7,110.00	235	\$ 21,150.00															
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	216	\$ 16,200.00	148	\$ 11,100.00	633	\$ 47,475.00	169	\$ 12,675.00	60	\$ 4,500.00	150	\$ 11,250.00	159	\$ 11,925.00	470	\$ 35,250.00															
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	25	\$ 150.00	17	\$ 102.00	73	\$ 438.00	23	\$ 138.00	10	\$ 60.00	17	\$ 102.00	18	\$ 108.00	54	\$ 324.00															
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	2231	\$ 4,462.00	1500	\$ 3,012.00	6523	\$ 13,046.00	2055	\$ 4,110.00	913	\$ 1,826.00	1548	\$ 3,096.00	1834	\$ 3,668.00	4844	\$ 9,688.00															
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	SY	\$ 42.50	25	\$ 1,062.50	17	\$ 722.50	73	\$ 3,102.50	23	\$ 977.50	10	\$ 425.00	17	\$ 722.50	18	\$ 765.00	54	\$ 2,295.00															
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -															
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	50	\$ 1,750.00	34	\$ 1,190.00	147	\$ 5,145.00	40	\$ 1,400.00	21	\$ 735.00	35	\$ 1,225.00	37	\$ 1,295.00	109	\$ 3,815.00															
SUBTOTAL				\$ 33,344.50	SUBTOTAL				\$ 22,546.50	SUBTOTAL				\$ 97,648.50	SUBTOTAL				\$ 13,081.00	SUBTOTAL				\$ 23,145.90	SUBTOTAL				\$ 24,471.00	SUBTOTAL				\$ 72,522.00
ENGINEERING (10%)				\$ 3,334.45	ENGINEERING (10%)				\$ 2,254.65	ENGINEERING (10%)				\$ 9,764.85	ENGINEERING (10%)				\$ 1,308.10	ENGINEERING (10%)				\$ 2,314.59	ENGINEERING (10%)				\$ 2,447.10	ENGINEERING (10%)				\$ 7,252.20
Roadway TOTAL				\$ 36,678.95	Roadway TOTAL				\$ 24,801.15	Roadway TOTAL				\$ 107,413.35	Roadway TOTAL				\$ 15,049.10	Roadway TOTAL				\$ 25,460.50	Roadway TOTAL				\$ 26,918.10	Roadway TOTAL				\$ 79,774.20

		YEAR 12 STREETS																											
		Length= 150 Width= 22 Total SY= 825		Length= 175 Width= 22 Total SY= 1335		Length= 1000 Width= 22 Total SY= 2222		Length= 426 Width= 22 TO 55 Total SY= 2244		Length= 1040 Width= 25 Total SY= 2880		Length= 2000 Width= 21 Total SY= 5232																	
ITEM NO.	ITEM	UNIT	UNIT PRICE	SUNSET (OLD BARN TO NORTH CDS)		YALE (HARVARD TO EAST CDS)		GINO (HAWTHORN TO 360' E/HAWTHORN)		HILLCREST (VILLAGE LIMIT TO LAKEVIEW)		PARK PLACE CI (PARK VIEW TO CDS)		PARK VIEW (OLD MCHENRY TO EAST END)															
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST														
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -														
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -														
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	36	\$ 3,240.00	56	\$ 5,040.00	60	\$ 5,400.00	67	\$ 6,030.00	125	\$ 11,250.00	226	\$ 20,340.00														
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	71	\$ 5,325.00	115	\$ 8,625.00	192	\$ 14,400.00	104	\$ 7,800.00	249	\$ 18,675.00	451	\$ 33,825.00														
44000100	PAVEMENT REMOVAL	SY	\$ 8.00	8	\$ 64.00	13	\$ 104.00	22	\$ 176.00	23	\$ 184.00	29	\$ 232.00	52	\$ 416.00														
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	733	\$ 1,466.00	1187	\$ 2,374.00	1975	\$ 3,950.00	1065	\$ 2,130.00	2568	\$ 5,136.00	4651	\$ 9,302.00														
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	SY	\$ 42.50	0	\$ -	13	\$ 552.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -														
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	85	\$ 1,700.00	28	\$ 560.00	68	\$ 1,360.00	130	\$ 2,600.00														
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	17	\$ 595.00	27	\$ 945.00	44	\$ 1,540.00	45	\$ 1,575.00	58	\$ 2,030.00	165	\$ 5,815.00														
SUBTOTAL				\$ 11,014.00	SUBTOTAL				\$ 17,794.50	SUBTOTAL				\$ 29,992.00	SUBTOTAL				\$ 26,530.80	SUBTOTAL				\$ 38,617.00	SUBTOTAL				\$ 70,054.00
ENGINEERING (10%)				\$ 1,101.40	ENGINEERING (10%)				\$ 1,779.45	ENGINEERING (10%)				\$ 2,999.20	ENGINEERING (10%)				\$ 2,653.08	ENGINEERING (10%)				\$ 3,861.70	ENGINEERING (10%)				\$ 7,005.40
Roadway TOTAL				\$ 12,115.40	Roadway TOTAL				\$ 19,573.95	Roadway TOTAL				\$ 32,991.20	Roadway TOTAL				\$ 32,453.88	Roadway TOTAL				\$ 42,478.70	Roadway TOTAL				\$ 77,059.40

Roadway TOTAL	\$ 888,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 12 TOTAL	\$ 1,098,000.00

		YEAR 13 STREETS																																					
		Length= 1750 Width= 22 Total SY= 4762		Length= 731 Width= 22 Total SY= 1624		Length= 235 Width= 22 Total SY= 1108		Length= 245 Width= 22 Total SY= 1251		Length= 1250 Width= 22 Total SY= 3850		Length= 142 Width= 22 Total SY= 601		Length= 500 Width= 22 Total SY= 1713		Length= 722 Width= 22 Total SY= 1604																							
ITEM NO.	ITEM	UNIT	UNIT PRICE	ARROWWOOD (SOUTH CDS TO SYCAMORE)		BOXWOOD (MIDDLETREE TO ARROWWOOD)		BRIGHTON (MARK TO EAST CDS)		CANTERBURY (MARK TO EAST CDS)		COBBLEWOOD (NORTH TRAIL TO SOUTH CDS)		DORSET (NORTH TRAIL TO SOUTH CDS)		EDWARD (MARK TO EAST CDS)		ELDERBERRY (MIDDLETREE TO EAST END)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	295	\$ 26,550.00	70	\$ 6,300.00	52	\$ 4,680.00	54	\$ 4,860.00	166	\$ 14,940.00	43	\$ 3,870.00	74	\$ 6,660.00	69	\$ 6,210.00																				
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	411	\$ 30,825.00	140	\$ 10,500.00	103	\$ 7,725.00	108	\$ 8,100.00	332	\$ 24,900.00	85	\$ 6,375.00	148	\$ 11,100.00	138	\$ 10,350.00																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	48	\$ 288.00	18	\$ 108.00	12	\$ 72.00	13	\$ 78.00	20	\$ 120.00	10	\$ 60.00	17	\$ 102.00	16	\$ 96.00																				
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	4233	\$ 8,466.00	1444	\$ 2,888.00	1065	\$ 2,130.00	1112	\$ 2,224.00	3422	\$ 6,844.00	681	\$ 1,362.00	1523	\$ 3,046.00	1426	\$ 2,852.00																				
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 8"	SY	\$ 42.50	45	\$ 1,912.50	16	\$ 680.00	12	\$ 510.00	13	\$ 552.50	39	\$ 1,657.50	10	\$ 425.00	17	\$ 722.50	16	\$ 680.00																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	85	\$ 2,975.00	32	\$ 1,120.00	24	\$ 840.00	25	\$ 875.00	77	\$ 2,695.00	20	\$ 700.00	34	\$ 1,190.00	32	\$ 1,120.00																				
SUBTOTAL				\$ 63,394.00	SUBTOTAL				\$ 21,584.00	SUBTOTAL				\$ 15,957.00	SUBTOTAL				\$ 16,896.50	SUBTOTAL				\$ 51,270.50	SUBTOTAL				\$ 13,192.00	SUBTOTAL				\$ 22,820.50	SUBTOTAL				\$ 21,308.00
ENGINEERING (10%)				\$ 6,339.40	ENGINEERING (10%)				\$ 2,158.40	ENGINEERING (10%)				\$ 1,595.70	ENGINEERING (10%)				\$ 1,689.65	ENGINEERING (10%)				\$ 5,127.05	ENGINEERING (10%)				\$ 1,319.20	ENGINEERING (10%)				\$ 2,282.05	ENGINEERING (10%)				\$ 2,130.80
Roadway TOTAL				\$ 69,733.40	Roadway TOTAL				\$ 23,742.40	Roadway TOTAL				\$ 17,552.70	Roadway TOTAL				\$ 18,358.45	Roadway TOTAL				\$ 56,397.55	Roadway TOTAL				\$ 14,511.20	Roadway TOTAL				\$ 25,102.65	Roadway TOTAL				\$ 23,438.80

VILLAGE OF HAWTHORN WOODS
2012 15-YEAR MAINTENANCE PROGRAM
COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
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YEAR 13 STREETS													
		Length= 300 Width= 22 Total SY= 1390	Length= 295 Width= 22 Total SY= 1411	Length= 480 Width= 22 Total SY= 1067	Length= 592 Width= 22 Total SY= 1316	Length= 880 Width= 22 Total SY= 2473	Length= 520 Width= 22 Total SY= 12232	Length= 2066 Width= 22 Total SY= 5532	Length= 443 Width= 22 Total SY= 684				
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	60	\$ 5,400.00	61	\$ 5,490.00	46	\$ 4,140.00	57	\$ 5,130.00	107	\$ 9,630.00
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	120	\$ 9,000.00	122	\$ 9,150.00	92	\$ 6,900.00	114	\$ 8,550.00	213	\$ 15,975.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	14	\$ 84.00	14	\$ 84.00	11	\$ 66.00	13	\$ 78.00	25	\$ 150.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1230	\$ 2,472.00	1254	\$ 2,508.00	948	\$ 1,896.00	1170	\$ 2,340.00	2108	\$ 4,216.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	14	\$ 595.00	14	\$ 595.00	11	\$ 467.50	13	\$ 552.50	25	\$ 1,062.50
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	26	\$ 910.00	26	\$ 910.00	21	\$ 735.00	20	\$ 700.00	49	\$ 1,715.00
SUBTOTAL				18,531.00		18,607.00	14,204.50	17,590.50	32,928.50	182,883.00	73,671.50	13,090.00	
ENGINEERING (10%)				1,853.10	1,860.70	1,420.45	1,759.05	3,292.85	16,288.30	7,367.15	1,309.00		
Roadway TOTAL				20,384.10	20,467.70	15,624.95	19,349.55	36,221.35	179,171.30	81,038.65	14,399.00		

YEAR 13 STREETS													
		Length= 300 Width= 22 Total SY= 1260	Length= 231 Width= 35 Total SY= 847	Length= 330 Width= 38 to 25 Total SY= 1247	Length= 284 Width= 22 Total SY= 1023	Length= 2621 Width= 22 Total SY= 8360	Length= 270 Width= 22 Total SY= 600						
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	55	\$ 4,950.00	37	\$ 3,330.00	54	\$ 4,860.00	44	\$ 3,960.00	278	\$ 24,840.00
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	109	\$ 8,175.00	73	\$ 5,475.00	108	\$ 8,100.00	88	\$ 6,600.00	551	\$ 41,325.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	13	\$ 78.00	8	\$ 48.00	12	\$ 72.00	10	\$ 60.00	64	\$ 384.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1128	\$ 2,256.00	753	\$ 1,506.00	1108	\$ 2,216.00	900	\$ 1,800.00	533	\$ 1,066.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	13	\$ 552.50	8	\$ 340.00	12	\$ 510.00	10	\$ 425.00	64	\$ 2,720.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	25	\$ 875.00	17	\$ 595.00	25	\$ 875.00	20	\$ 700.00	128	\$ 4,480.00
SUBTOTAL				16,886.50	11,294.00	16,633.00	13,563.00	85,109.00	8,017.00				
ENGINEERING (10%)				1,688.65	1,129.40	1,663.30	1,356.30	8,510.90	801.70				
Roadway TOTAL				18,575.15	12,423.40	18,296.30	14,919.30	93,619.90	8,818.70				

ROADWAY TOTAL	\$ 802,000.00
ROUTINE MAINTENANCE	\$ 210,000.00
YEAR 13 TOTAL	\$ 1,012,000.00

YEAR 14 STREETS													
		Length= 150 Width= 22 Total SY= 1311	Length= 1345 Width= 22 Total SY= 5158	Length= 650 Width= 22 Total SY= 2548	Length= 263 Width= 22 Total SY= 1657	Length= 704 Width= 28 Total SY= 2193	Length= 1445 Width= 22 Total SY= 4340	Length= 314 Width= 22 Total SY= 1661	Length= 1330 Width= 22 Total SY= 2669				
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	57	\$ 5,130.00	222	\$ 19,980.00	110	\$ 9,900.00	71	\$ 6,390.00	95	\$ 8,550.00
40603310	HOT-MX ASPHALT SURFACE COURSE, MX "C", N50 (NON QC/QA)	TON	\$ 75.00	113	\$ 8,475.00	445	\$ 33,375.00	220	\$ 16,500.00	143	\$ 10,725.00	189	\$ 14,175.00
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	13	\$ 78.00	52	\$ 312.00	25	\$ 150.00	17	\$ 102.00	22	\$ 132.00
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1185	\$ 2,370.00	4565	\$ 9,130.00	2285	\$ 4,570.00	1473	\$ 2,946.00	1949	\$ 3,898.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 0"	SY	\$ 42.50	13	\$ 552.50	52	\$ 2,210.00	25	\$ 1,062.50	17	\$ 722.50	22	\$ 935.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	26	\$ 910.00	103	\$ 3,605.00	51	\$ 1,785.00	33	\$ 1,155.00	44	\$ 1,540.00
SUBTOTAL				17,475.50	68,652.00	33,927.50	22,040.50	26,230.00	57,811.50				
ENGINEERING (10%)				1,747.55	6,865.20	3,392.75	2,204.05	2,623.00	5,781.15				
Roadway TOTAL				19,223.05	75,517.20	37,320.25	24,244.55	28,853.00	63,592.65				

VILLAGE OF HAWTHORN WOODS
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COST ESTIMATE AND SCHEDULE

EXHIBIT 4
DECEMBER 19, 2012
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		YEAR 14 STREETS														
		Length= 065 Width= 22 Total SY= 2317		Length= 050 Width= 20 Total SY= 1460		Length= 105 Width= 22 Total SY= 1220		Length= 705 Width= 22 Total SY= 2440		Length= 042 Width= 25 Total SY= 2895		Length= 045 Width= 22 Total SY= 1577		Length= 220 Width= 22 Total SY= 5260		
		RESERVE CT (JOSHUA TO WEST CDS)		WALNUT (LAGOON TO HICKORY)		WELLESEY (CHESTNUT TO WEST CDS)		WEST PRAIRE CT (REGAN TO WEST CDS)		JESSICA CT (E CDS TO JOSHUA)		JOSHUA (RESERVE TO S END)		HAWTHORN COMMUNITY PARK		
ITEM NO	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	5360	\$ 8,040.00	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	289	\$ 5,788.00	
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	100	\$ 9,000.00	63	\$ 5,670.00	53	\$ 4,770.00	125	\$ 11,250.00	66	\$ 5,940.00	771	\$ 69,345.00	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MK "C", N50 (NON QC/QA)	TON	\$ 75.00	200	\$ 15,000.00	126	\$ 9,450.00	105	\$ 7,875.00	250	\$ 18,750.00	138	\$ 10,200.00	462	\$ 34,672.50	
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	23	\$ 138.00	15	\$ 90.00	12	\$ 72.00	29	\$ 174.00	16	\$ 96.00	5360	\$ 32,160.00	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	2660	\$ 5,320.00	1298	\$ 2,596.00	1084	\$ 2,168.00	2189	\$ 4,378.00	1402	\$ 2,804.00	0	\$ -	
46300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	23	\$ 977.50	15	\$ 637.50	12	\$ 510.00	24	\$ 1,020.00	0	\$ -	0	\$ -	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	42	\$ 834.00	42	\$ 838.50	
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	40	\$ 1,400.00	29	\$ 1,015.00	24	\$ 840.00	40	\$ 1,400.00	58	\$ 2,030.00	32	\$ 1,120.00	
SUBTOTAL			\$	30,645.50		19,458.50		16,235.00		32,417.00		36,190.60		21,178.50		150,292.30
ENGINEERING (10%)			\$	3,064.55		1,945.85		1,623.50		3,241.70		3,619.06		2,117.85		15,029.23
Roadway TOTAL			\$	33,930.05		21,404.35		17,858.50		35,658.70		42,009.66		23,296.35		165,321.53
														ROADWAY TOTAL		\$ 660,000.00
														ROUTINE MAINTENANCE		\$ 210,000.00
														YEAR 14 TOTAL		\$ 870,000.00

		YEAR 15 STREETS																
		Length= 053 Width= 22 Total SY= 2085		Length= 038 Width= 22 Total SY= 777		Length= 055 Width= 22 Total SY= 1308		Length= 1671 Width= 22 Total SY= 5007		Length= 0500 Width= 22 Total SY= 8702		Length= 0287 Width= 22 Total SY= 6074		Length= 1283 Width= 22 Total SY= 3136		Length= 040 Width= 22 Total SY= 831		
		BRIDLE PATH (MILTON TO NORTH TRAIL)		DERBY (STEEPLECHASE TO NORTH END)		FURLONG (NORTH TRAIL TO EAST END)		GREENBRIAR (EAST CDS TO WEST CDS)		NORTH TRAIL (NORTH CDS TO FURLONG)		NORTH TRAIL (WESTWIND TO SOUTH CDS)		NORTH TRAIL (WESTWIND TO FURLONG)		PADDOCK (NORTH TRAIL TO NORTH CDS)		
ITEM NO	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
40600625	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	90	\$ 8,100.00	34	\$ 3,060.00	56	\$ 5,040.00	219	\$ 19,710.00	375	\$ 33,750.00	301	\$ 27,090.00	135	\$ 12,150.00	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MK "C", N50 (NON QC/QA)	TON	\$ 75.00	180	\$ 13,500.00	87	\$ 6,525.00	113	\$ 8,475.00	437	\$ 32,775.00	751	\$ 56,325.00	602	\$ 45,150.00	270	\$ 20,250.00	
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	21	\$ 126.00	8	\$ 48.00	15	\$ 90.00	51	\$ 306.00	67	\$ 402.00	70	\$ 420.00	31	\$ 186.00	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1853	\$ 3,706.00	691	\$ 1,382.00	1183	\$ 2,326.00	4504	\$ 9,008.00	7735	\$ 15,470.00	6199	\$ 12,398.00	2788	\$ 5,576.00	
46300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	21	\$ 892.50	8	\$ 340.00	13	\$ 552.50	51	\$ 2,167.50	67	\$ 2,837.50	70	\$ 2,975.00	31	\$ 1,317.50	
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	42	\$ 1,470.00	16	\$ 560.00	20	\$ 700.00	101	\$ 3,535.00	174	\$ 6,090.00	139	\$ 4,865.00	63	\$ 2,205.00	
SUBTOTAL			\$	27,794.50		10,415.00		17,381.50		67,501.50		115,654.50		92,898.00		41,684.50		11,101.00
ENGINEERING (10%)			\$	2,779.45		1,041.50		1,738.15		6,750.15		11,565.45		9,289.80		4,168.45		1,110.10
Roadway TOTAL			\$	30,573.95		11,456.50		19,119.65		74,251.65		127,439.95		102,187.80		45,852.95		12,211.10

VILLAGE OF HAWTHORN WOODS
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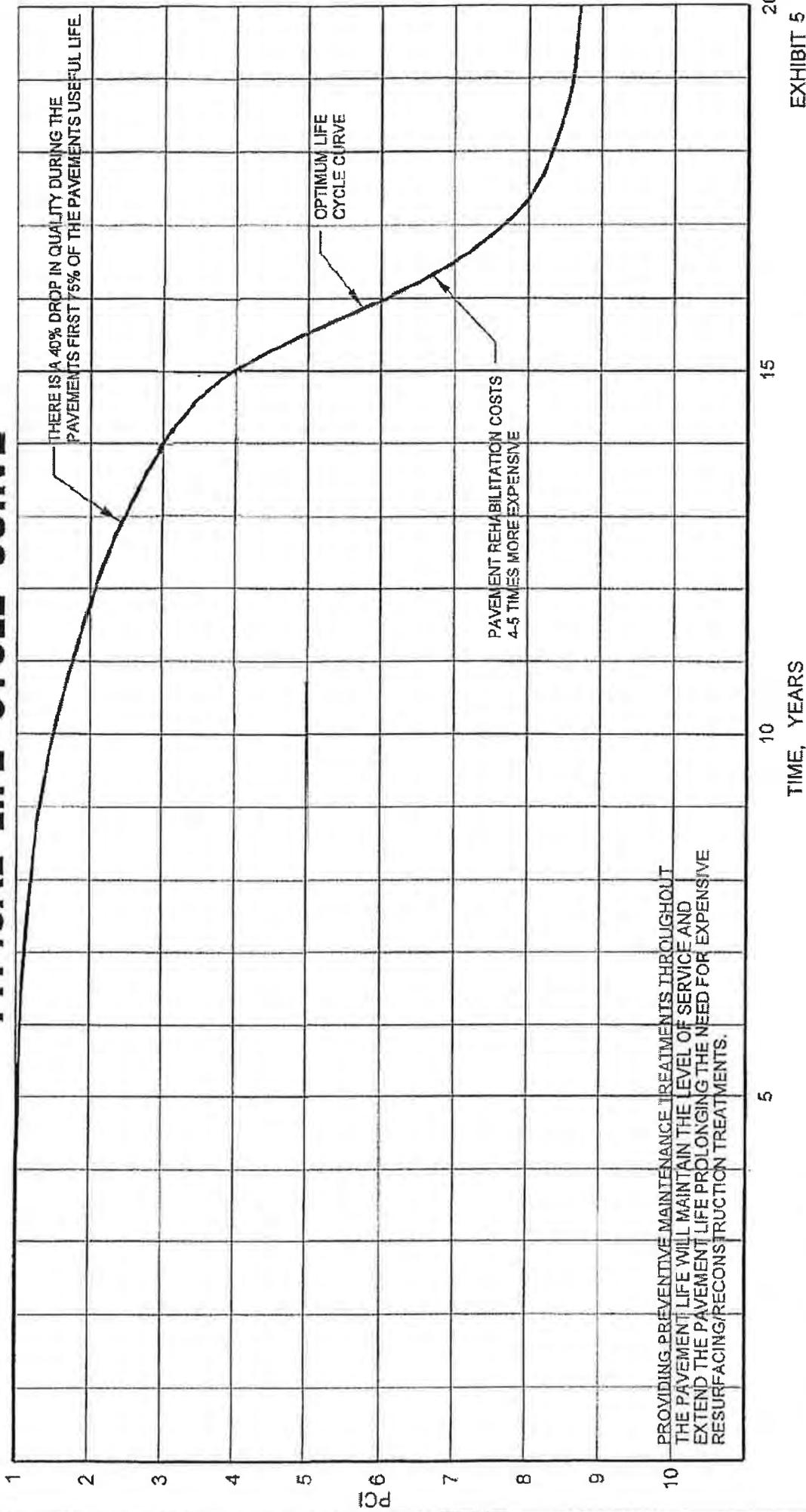
EXHIBIT 4
DECEMBER 19, 2012
REVISED MARCH 8, 2013

		YEAR 16 STREETS																																					
		Length= 740 Width= 22 Total SY= 1644		Length= 1790 Width= 22 Total SY= 4378		Length= 595 Width= 22 Total SY= 2450		Length= 350 Width= 22 Total SY= 856		Length= 330 Width= 25 Total SY= 917		Length= 650 Width= 22 Total SY= 1580		Length= 330 Width= 22 Total SY= 807		Length= 360 Width= 22 Total SY= 858																							
ITEM NO	ITEM	UNIT	UNIT PRICE	SAINT JOHN (GREENBRIAR TO GILMER)		STEEPLECHASE (FURLONG TO SOUTH CDS)		WESTWIND (NORTH TRAIL TO WEST CDS)		GREENFIELD CT (DEERFIELD TO N CDS)		MOOREGATE TR (330 W/EQUESTRIAN TO EQUESTRIAN)		SADDLE RIDGE CT (EQUESTRIAN WAY TO E CDS)		SPRING CREEK (FOREST VIEW TO E CDS)		STONEY RIDGE CT (EQUESTRIAN WAY TO END CDS)																					
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST																				
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	71	\$ 6,390.00	189	\$ 17,010.00	100	\$ 9,540.00	37	\$ 3,330.00	40	\$ 3,600.00	69	\$ 6,210.00	35	\$ 3,150.00	37	\$ 3,330.00																				
40600310	HOT-MX ASPHALT SURFACE COURSE, MX 'C', N50 (NON QC/QA)	TON	\$ 78.00	142	\$ 10,850.00	377	\$ 28,275.00	211	\$ 15,825.00	74	\$ 5,550.00	79	\$ 5,925.00	137	\$ 10,275.00	70	\$ 5,250.00	74	\$ 5,550.00																				
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	16	\$ 96.00	44	\$ 264.00	25	\$ 150.00	9	\$ 54.00	9	\$ 54.00	16	\$ 96.00	8	\$ 48.00	8	\$ 48.00																				
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	1481	\$ 2,962.00	3690	\$ 7,380.00	2178	\$ 4,356.00	761	\$ 1,522.00	815	\$ 1,630.00	1412	\$ 2,824.00	717	\$ 1,434.00	761	\$ 1,522.00																				
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	16	\$ 680.00	44	\$ 1,870.00	25	\$ 1,062.50	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -																				
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	0	\$ -	0	\$ -	0	\$ -	23	\$ 455.00	21	\$ 429.00	42	\$ 845.00	21	\$ 429.00	23	\$ 455.00																				
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	33	\$ 1,155.00	88	\$ 3,080.00	40	\$ 1,715.00	17	\$ 595.00	18	\$ 630.00	32	\$ 1,120.00	16	\$ 560.00	17	\$ 595.00																				
SUBTOTAL				\$ 21,803.00	SUBTOTAL				\$ 58,279.00	SUBTOTAL				\$ 32,648.50	SUBTOTAL				\$ 11,506.00	SUBTOTAL				\$ 12,268.00	SUBTOTAL				\$ 21,370.00	SUBTOTAL				\$ 10,871.00	SUBTOTAL				\$ 11,508.00
ENGINEERING (10%)				\$ 2,180.30	ENGINEERING (10%)				\$ 5,827.00	ENGINEERING (10%)				\$ 3,264.85	ENGINEERING (10%)				\$ 1,150.60	ENGINEERING (10%)				\$ 1,226.80	ENGINEERING (10%)				\$ 2,137.00	ENGINEERING (10%)				\$ 1,087.10	ENGINEERING (10%)				\$ 1,150.80
Roadway TOTAL				\$ 24,023.30	Roadway TOTAL				\$ 64,106.00	Roadway TOTAL				\$ 35,913.35	Roadway TOTAL				\$ 12,656.60	Roadway TOTAL				\$ 13,494.80	Roadway TOTAL				\$ 23,507.00	Roadway TOTAL				\$ 11,958.10	Roadway TOTAL				\$ 12,658.80

		YEAR 15 STREETS																					
		Length= 3300 Width= 22 Total SY= 8067		Length= 1825 Width= 22 Total SY= 4039		Length= 1400 Width= 22 Total SY= 3422																	
ITEM NO	ITEM	UNIT	UNIT PRICE	DEERFIELD (FOREST VIEW TO NORTH END)		EQUESTRIAN WAY (NORTH TRAIL TO 450' SMOOREGATE)		FOREST VIEW (KRUCKENBURG TO DEERFIELD)															
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST														
35800100	PREPARATION OF BASE	SQ YD	\$ 1.50	0	\$ -	0	\$ -	0	\$ -														
35800200	AGGREGATE BASE REPAIR	TON	\$ 20.00	0	\$ -	0	\$ -	0	\$ -														
40600225	LEVELING BINDER (MACHINE METHOD), N50 (NON QC/QA)	TON	\$ 90.00	348	\$ 31,320.00	200	\$ 18,000.00	148	\$ 13,320.00														
40600310	HOT-MX ASPHALT SURFACE COURSE, MX 'C', N50 (NON QC/QA)	TON	\$ 78.00	698	\$ 52,200.00	400	\$ 30,000.00	295	\$ 22,125.00														
44000100	PAVEMENT REMOVAL	SY	\$ 6.00	81	\$ 486.00	46	\$ 276.00	34	\$ 204.00														
*44000157	HOT-MX ASPHALT SURFACE REMOVAL, 2"	SY	\$ 2.00	7171	\$ 14,342.00	4124	\$ 8,248.00	3042	\$ 6,084.00														
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SY	\$ 42.50	0	\$ -	0	\$ -	0	\$ -														
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	LF	\$ 20.00	215	\$ 4,290.00	119	\$ 2,372.50	91	\$ 1,820.00														
*NA	CLASS D PATCHES, SPECIAL, 6-INCHES	SY	\$ 35.00	161	\$ 5,635.00	63	\$ 2,205.00	68	\$ 2,380.00														
SUBTOTAL				\$ 108,273.00	SUBTOTAL				\$ 62,151.50	SUBTOTAL				\$ 45,933.00									
ENGINEERING (10%)				\$ 10,827.30	ENGINEERING (10%)				\$ 6,215.15	ENGINEERING (10%)				\$ 4,593.30									
Roadway TOTAL				\$ 119,100.30	Roadway TOTAL				\$ 68,366.65	Roadway TOTAL				\$ 50,526.30									
ROADWAY TOTAL				\$ 859,000.00				ROUTINE MAINTENANCE				\$ 210,000.00				YEAR 15 TOTAL				\$ 1,069,000.00			

EXHIBIT #5
TYPICAL PAVEMENT LIFE CYCLE CURVE

TYPICAL LIFE CYCLE CURVE



VILLAGE OF
HAWTHORN WOODS



CHRISTOPHER B. BURKE ENGINEERING LTD.
825 West Street, Suite 204, 6th
Aurora, Ontario L4R 1R9
(416) 223-1000

10
TIME, YEARS

15

20

EXHIBIT 5

EXHIBIT #6
TYPICAL VISUAL PAVEMENT DISTRESSES

PCI = 2 Equestrian Way at Saddle Ridge

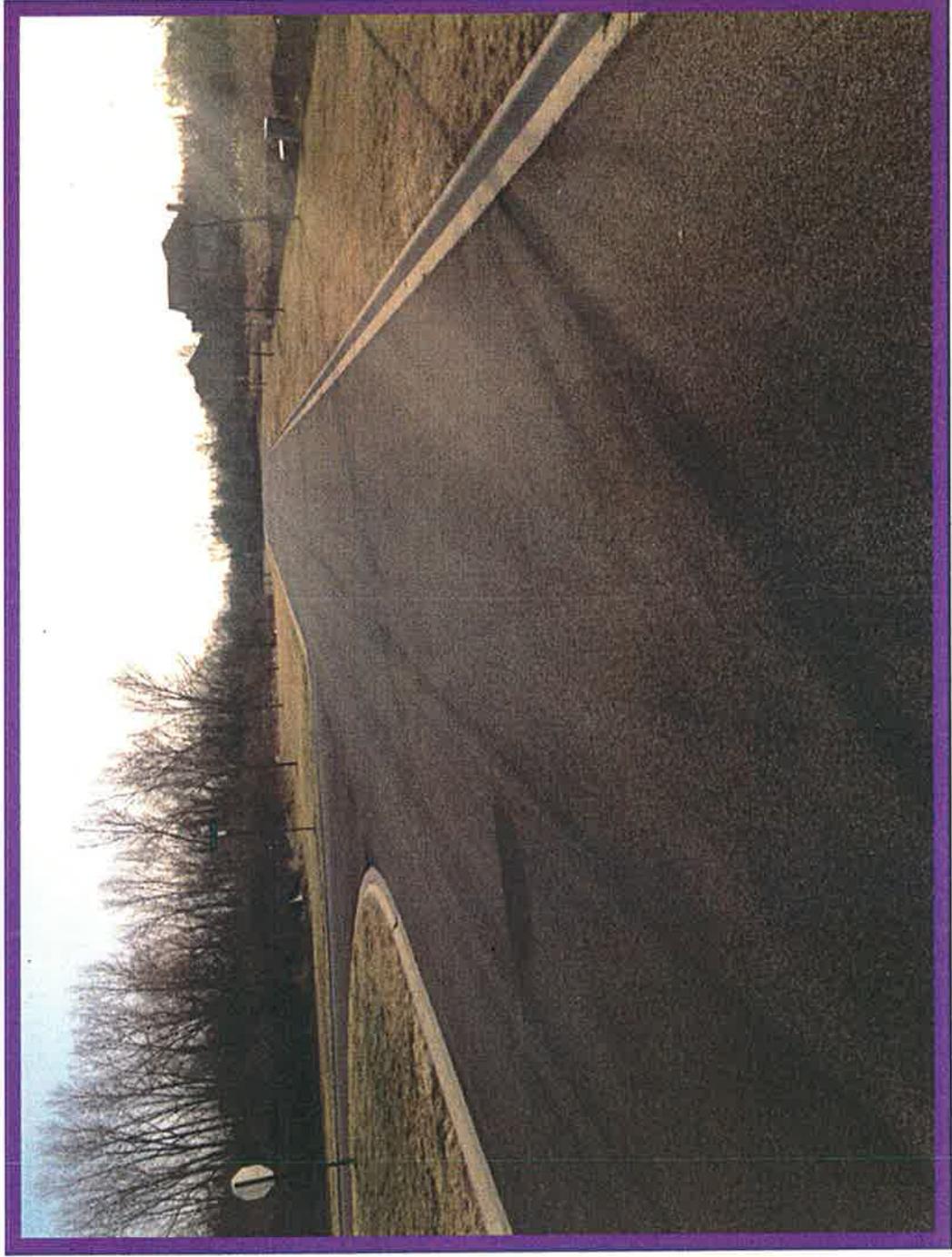


Exhibit 6 - Typical Visual Pavement Distresses

PCI = 3 Mark Drive at Lisa Lane



Exhibit 6 - Typical Visual Pavement Distresses

PCI = 4 James Drive at Darlington Dr

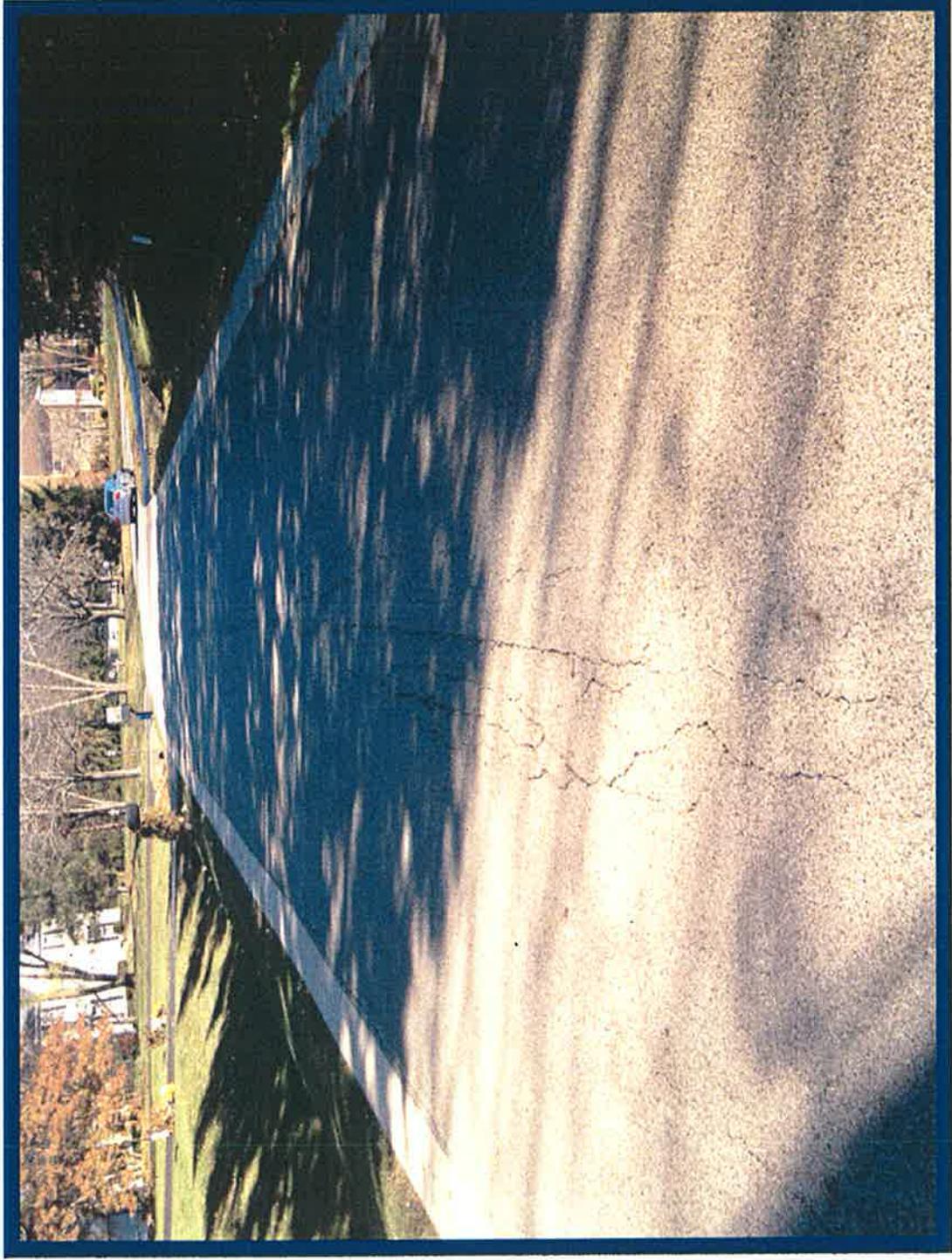


Exhibit 6 - Typical Visual Pavement Distresses

PCI = 5 Copperfield Dr at Wedgewood Dr

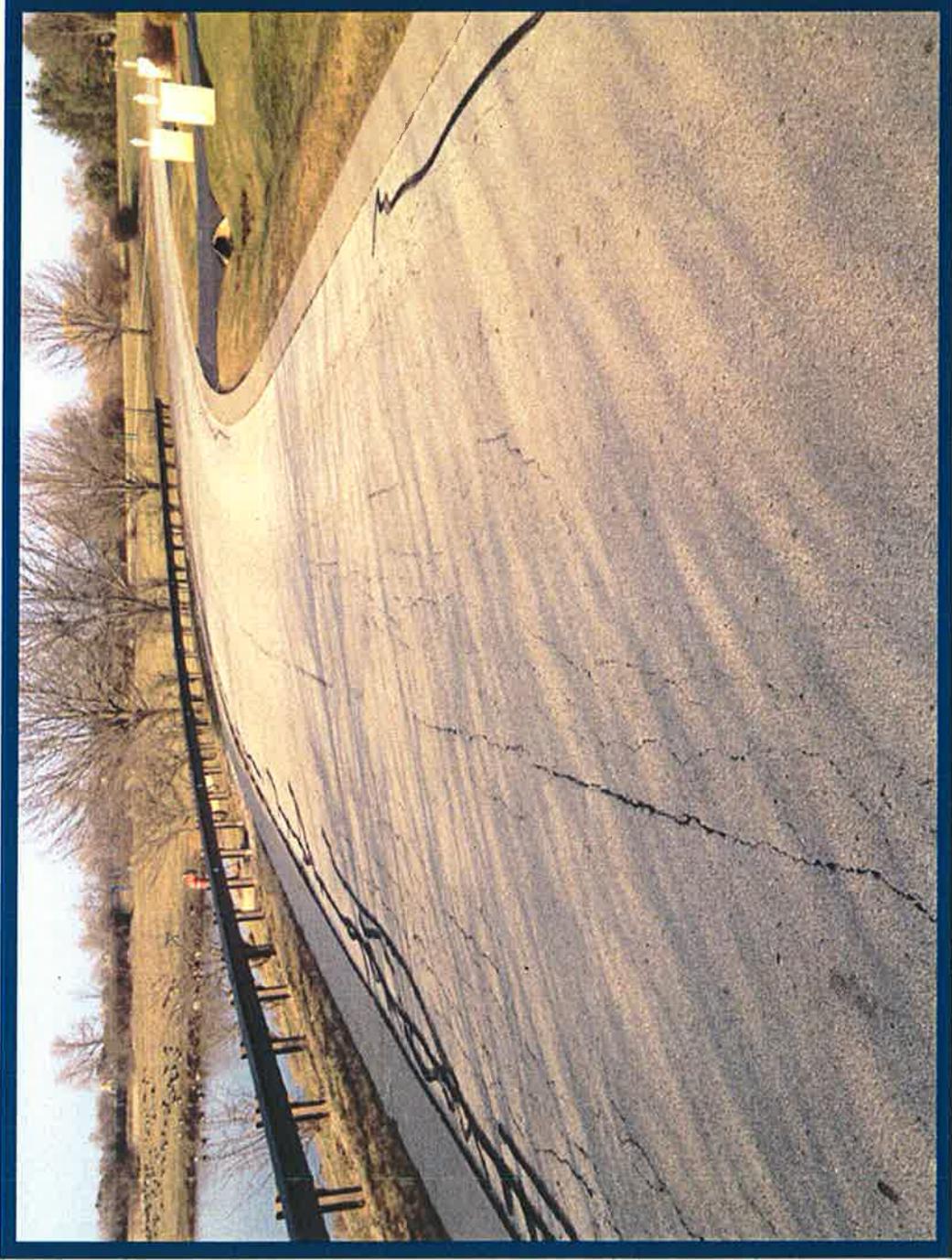


Exhibit 6 - Typical Visual Pavement Distresses

PCI = 6 Carlisle Rd at Darlington Dr

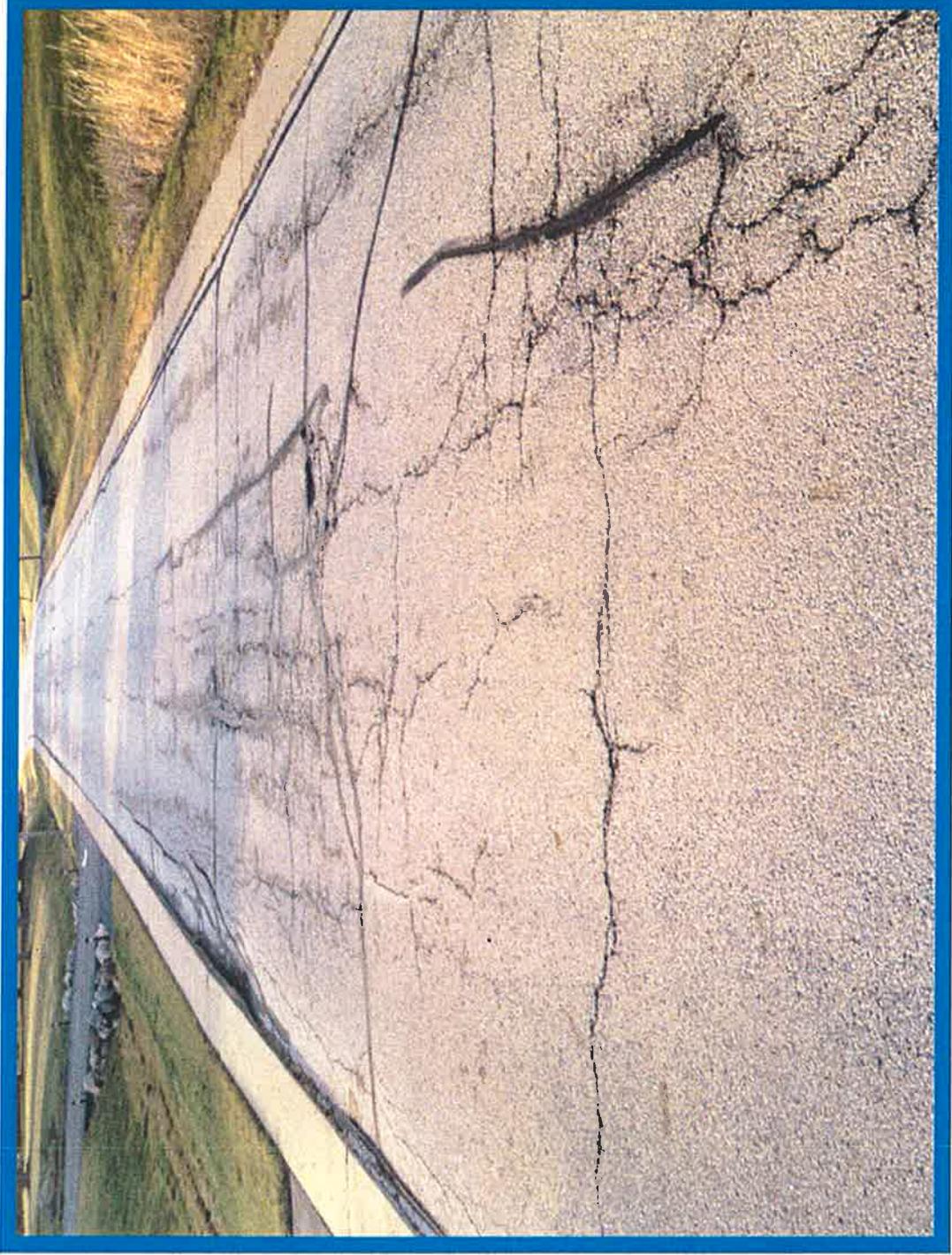


Exhibit 6 - Typical Visual Pavement Distresses

PCI = 7 Owens Rd at Gilmer Rd

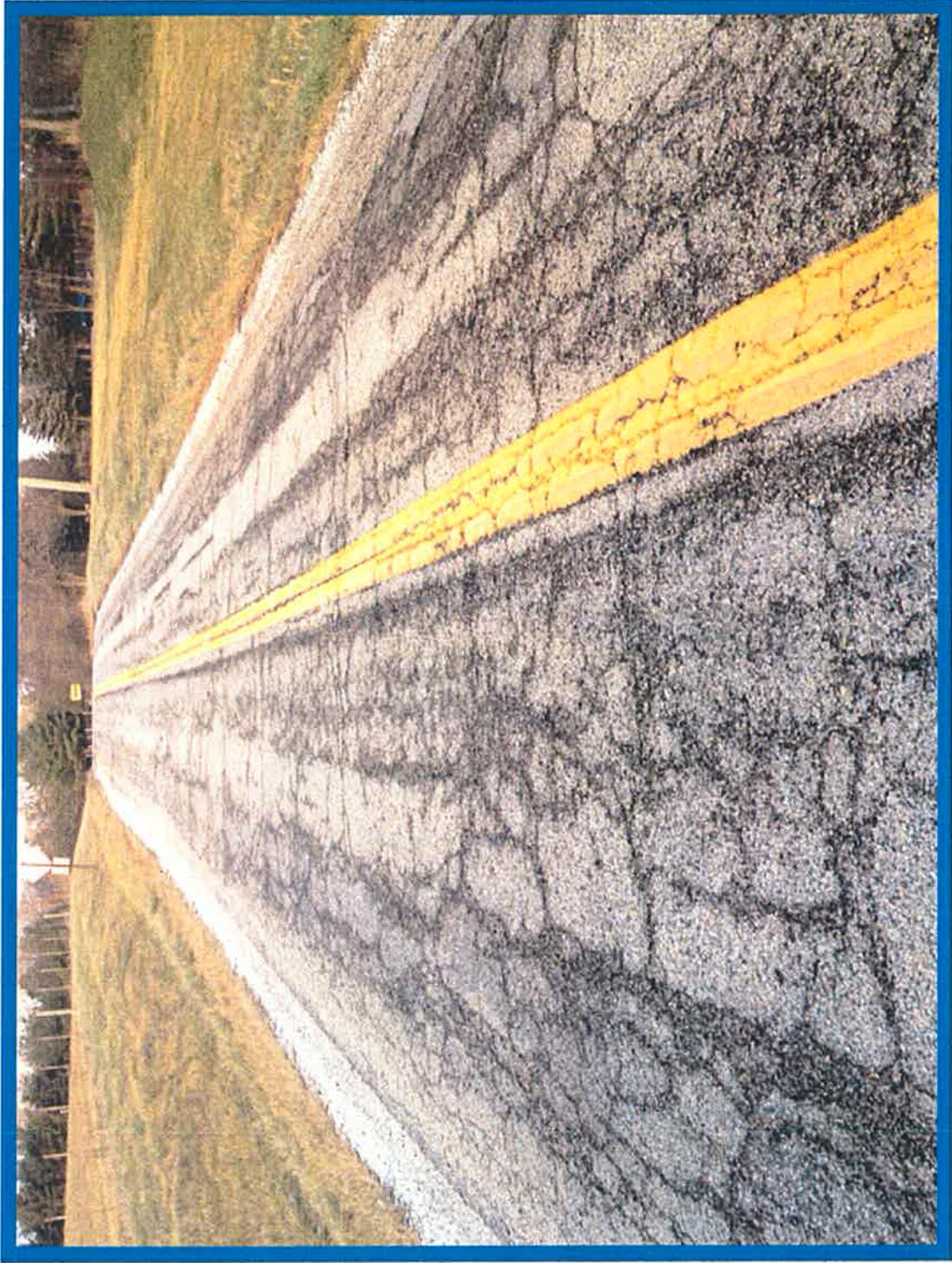


Exhibit 6 - Typical Visual Pavement Distresses

PCI = 8 Owens Rd 1000ft South of Gilmer Rd

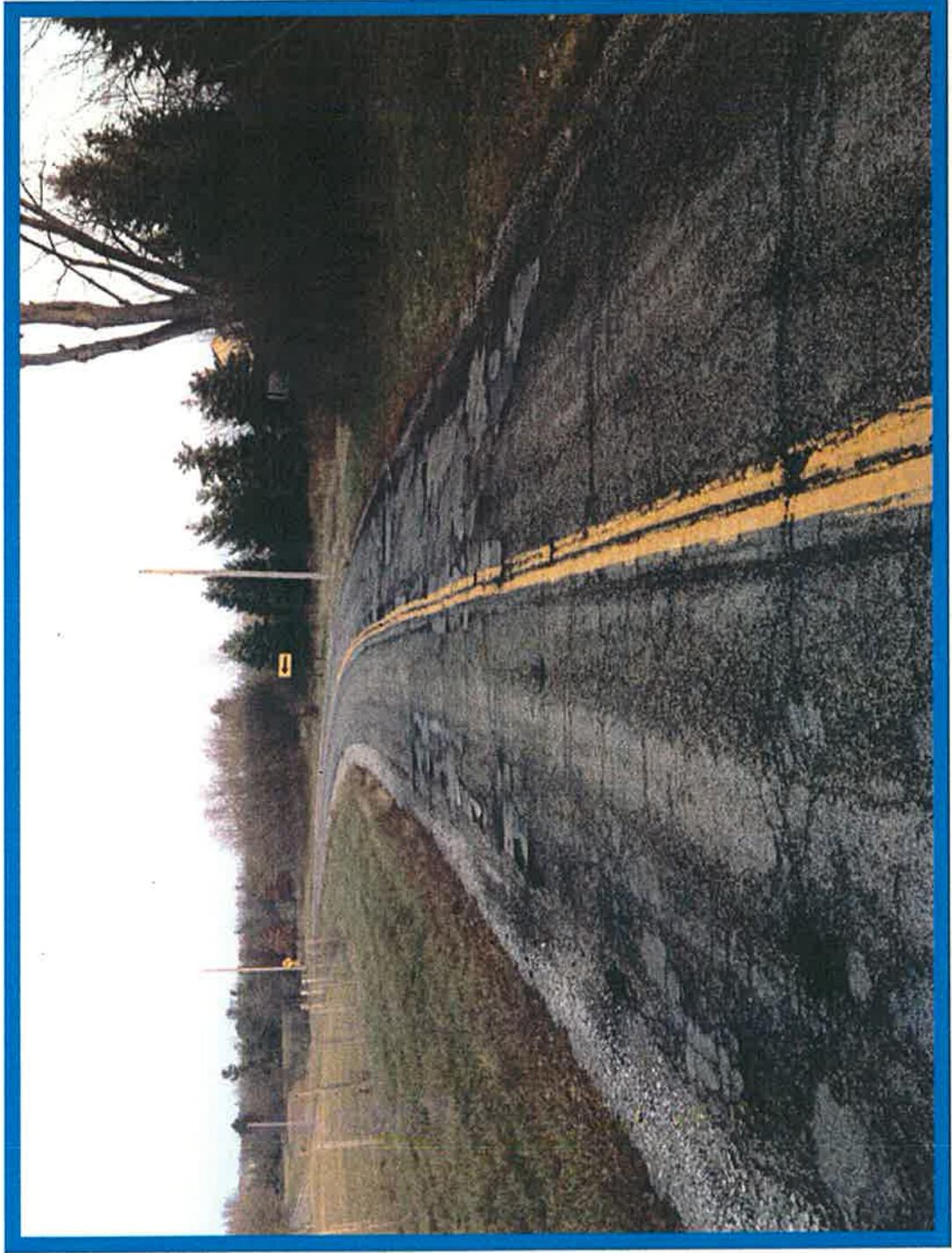


Exhibit 6 - Typical Visual Pavement Distresses

PCI = 10 Krueger Rd at Midlothian Rd

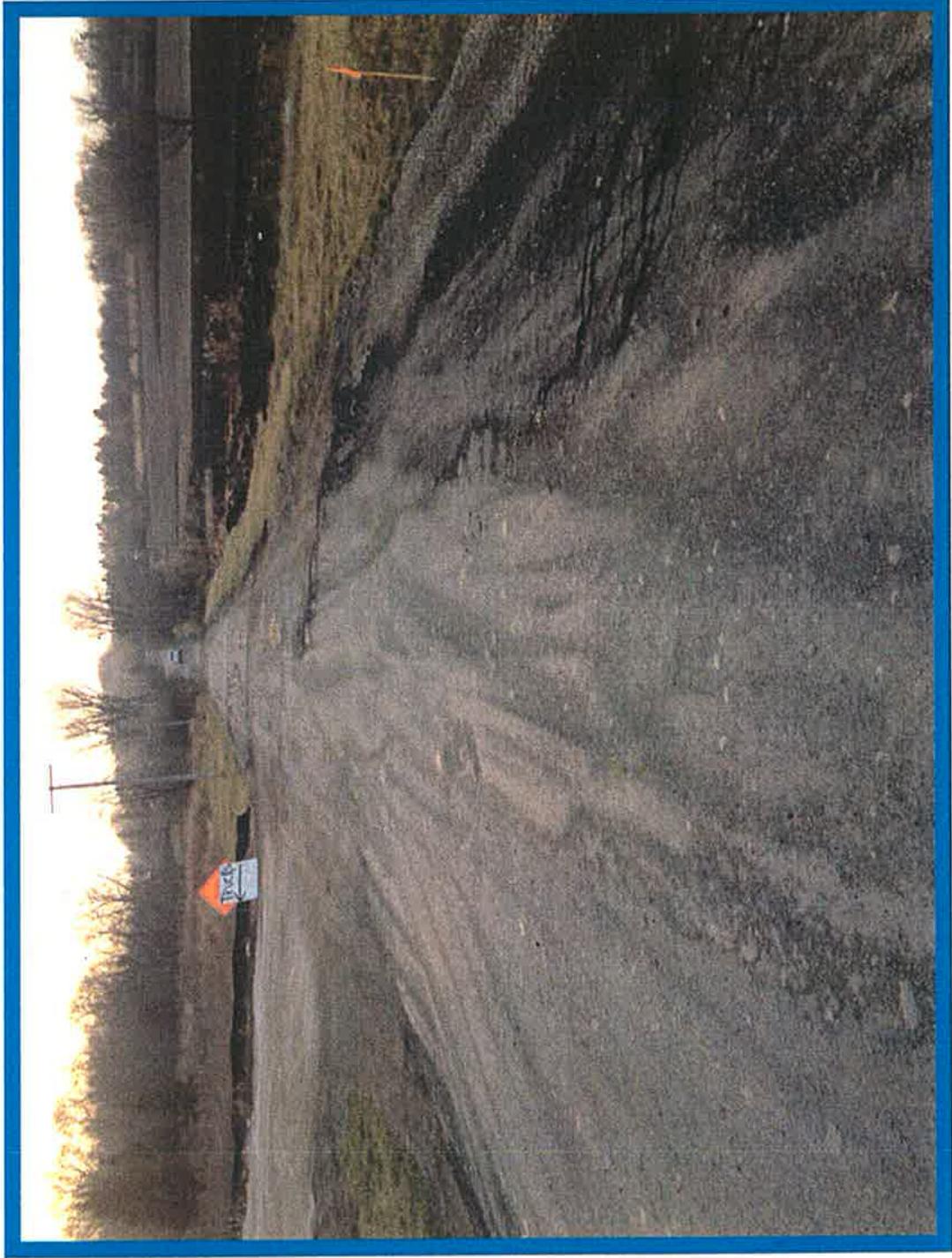


Exhibit 6 - Typical Visual Pavement Distresses

EXHIBIT #7
AREA PERCENTAGE OF PCI VALUES GRAPH

Village of Hawthorn Woods
Pavement Evaluation Report
2012 Area Percentages of PCI Values

Exhibit 7

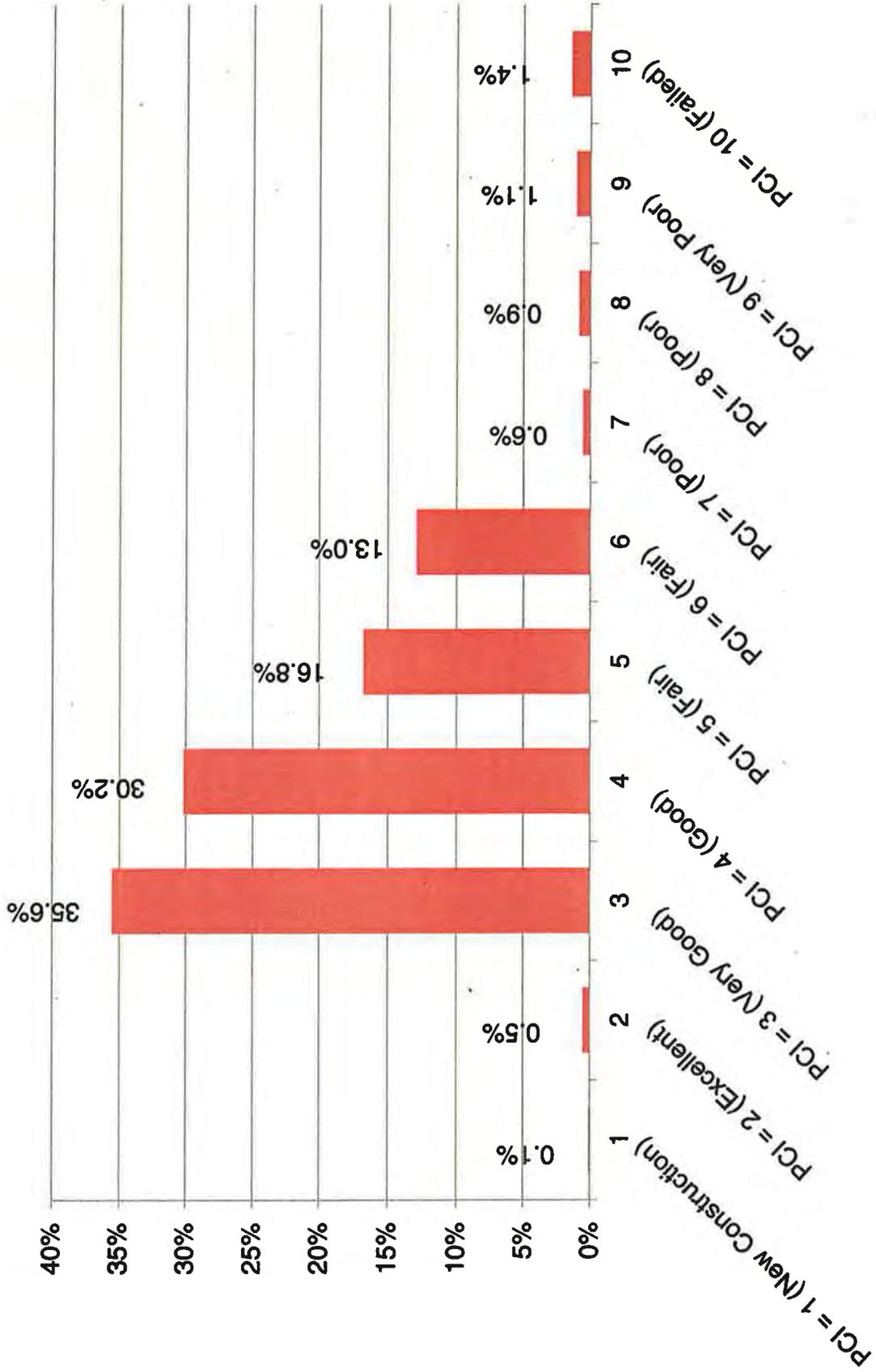
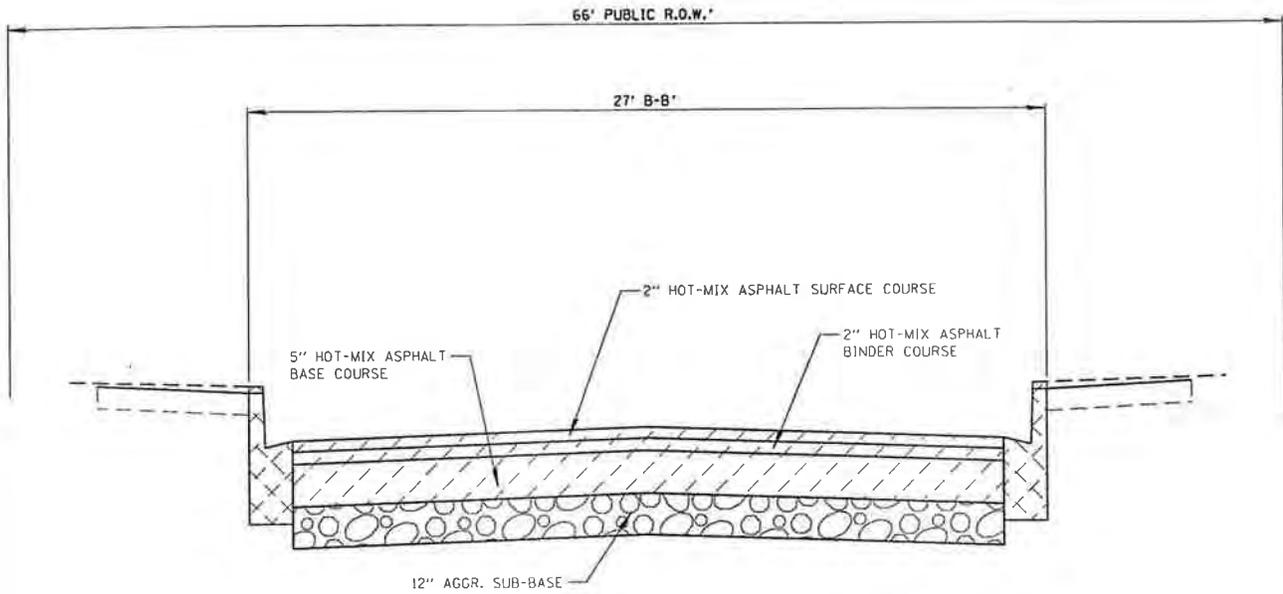


EXHIBIT #8
CUL-DE-SACS AND MINOR STREETS –
FLEXIBLE PAVEMENT CROSS SECTION



CLIENT:

VILLAGE OF HAWTHORN WOODS

TITLE:

CUL-DE-SACS AND MINOR STREETS -
FLEXIBLE PAVEMENT CROSS SECTION

PROJ. NO.

DATE:

SHEET OF

DRAWING NO.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W Higgins Road, Suite 600 • Rosemont, Illinois 60018 • (847) 823-0500

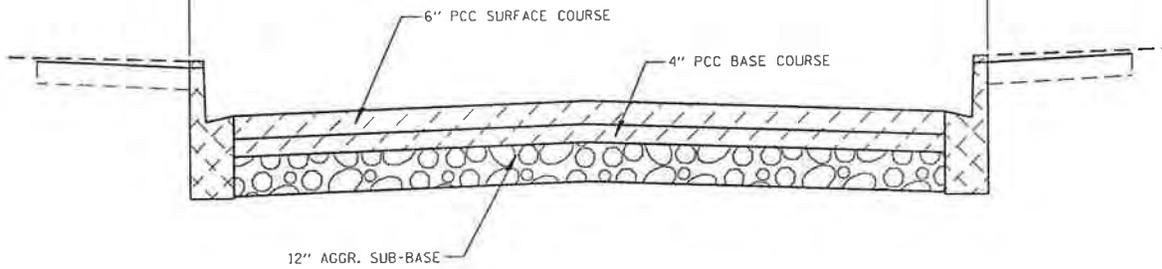
DSGN.		SCALE:	100'
DWN.		MODEL:	Exhibit B
CHKD.		PLOT DATE:	3/7/2013
FILE:	Typical Cross Section		

EXHIBIT 8

EXHIBIT #9
CUL-DE-SACS AND MINOR STREETS –
RIGID PAVEMENT CROSS SECTION

66' PUBLIC R.O.W.

27' B-B'



CLIENT:

VILLAGE OF HAWTHORN WOODS

TITLE:

CUL-DE-SACS AND MINOR STREETS -
RIGID PAVEMENT CROSS SECTION

PROJ. NO.

DATE:

SHEET OF

DRAWING NO.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600 • Rosemont, Illinois 60018 • (847) 823-0500

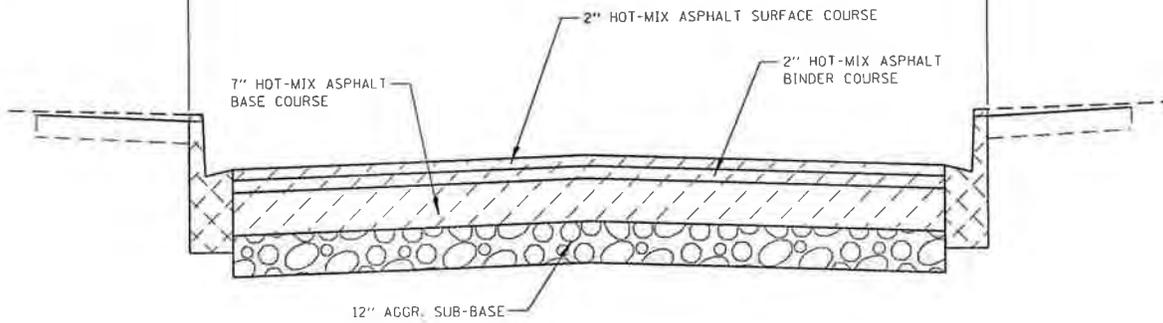
DSGN.		SCALE:	100'
DWN.		MODEL:	Exhibit 9
CHKD.		PLOT DATE:	3/7/2013
FILE:	Typical Cross Section		

EXHIBIT 9

EXHIBIT #10
COLLECTOR STREETS -
FLEXIBLE PAVEMENT CROSS SECTION

66' PUBLIC R.O.W.

21' B-B'



CLIENT:

VILLAGE OF HAWTHORN WOODS

TITLE:

COLLECTOR STREETS -
FLEXIBLE PAVEMENT CROSS SECTION

PROJ. NO.

DATE:

SHEET OF

DRAWING NO.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500

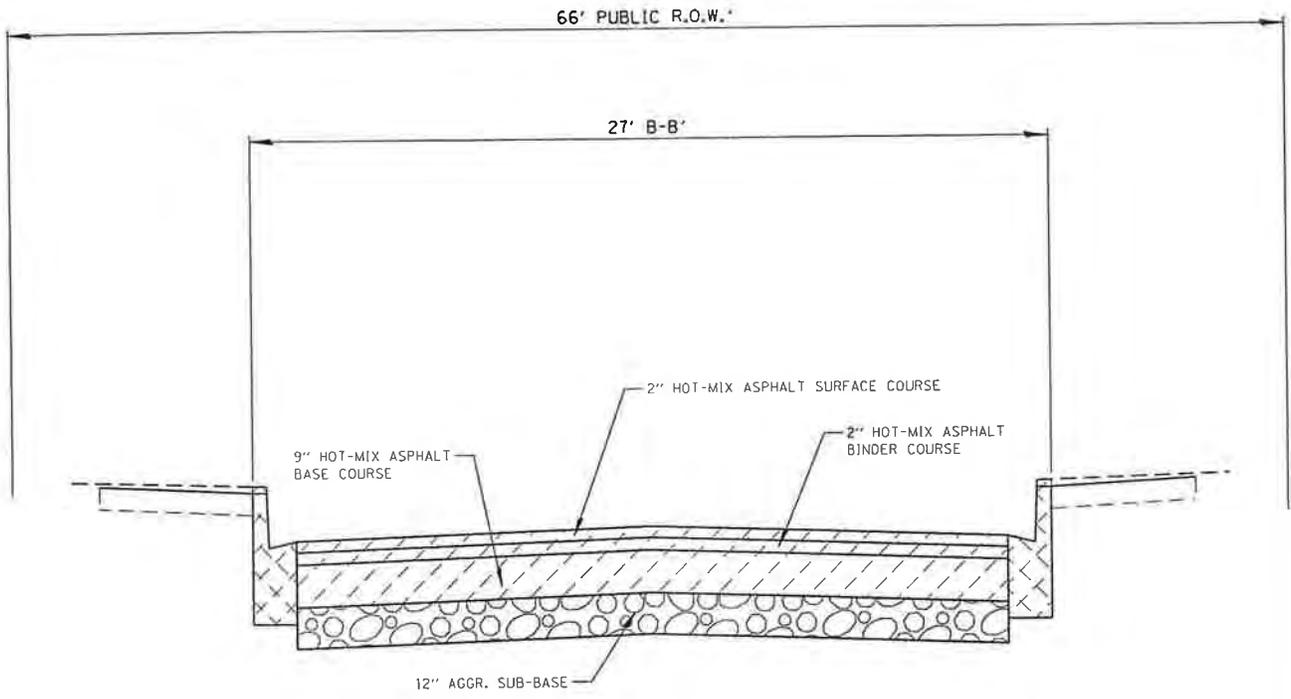
DSGN.		SCALE:	100'
DWN.		MODEL:	Exhibit 10
CHKD.		PLOT DATE:	3/1/2013
FILE:	Typical Cross Section		

EXHIBIT 10

jlrapapita

EXHIBIT #11
COLLECTOR STREETS -
RIGID PAVEMENT CROSS SECTION

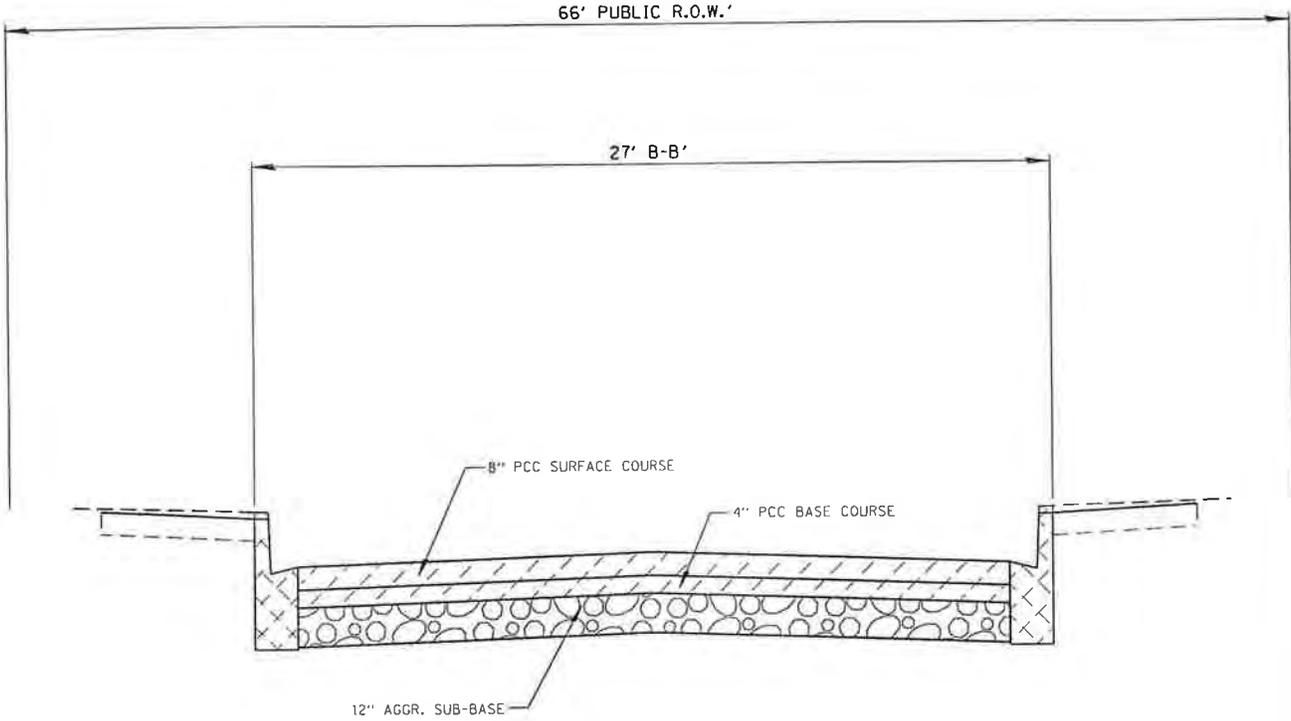
EXHIBIT #12
MAJOR AND NONRESIDENTIAL STREETS -
FLEXIBLE PAVEMENT CROSS SECTION



CLIENT: VILLAGE OF HAWTHORN WOODS	TITLE: MAJOR AND NONRESIDENTIAL STREETS – FLEXIBLE PAVEMENT CROSS SECTION	PROJ. NO.
		DATE:
 CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500	DESIGNER:	SCALE: 100'
	CHKD.:	MODEL: Exhibit 12
FILE: Typical Cross Section	PLOT DATE: 3/7/2013	EXHIBIT 12

Jlspgdlia

EXHIBIT #13
MAJOR AND NONRESIDENTIAL STREETS -
RIGID PAVEMENT CROSS SECTION



CLIENT:

VILLAGE OF HAWTHORN WOODS

TITLE:

MAJOR AND NONRESIDENTIAL STREETS –
RIGID PAVEMENT CROSS SECTION

PROJ. NO.

DATE:

SHEET OF

DRAWING NO.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600 · Rosemont, Illinois 60018 · (847) 823-0500

DSGN.		SCALE:	100'
OWN.		MODEL:	Exhibit 13
CHKD.		PLOT DATE:	3/7/2013
FILE:	Typical Cross Section		

EXHIBIT 13

jlopagila