VILLAGE OF HAWTHORN WOODS

STREET MAINTENANCE IMPROVEMENT REPORT

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Submitted To:

Erika M. Frable, PE
Village Engineer / Director of Public Works
35 Old McHenry Rd
Hawthorn Woods, IL 60047

Submitted By:

Lee M. Fell, PE
Christopher B. Burke Engineering, Ltd.
9575 W. Higgins Road, Suite 600
Rosemont, IL 60018
(847) 823-0500

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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 25-year proposed program the Village is well on its way to a cost-effective pavement maintenance program for many years to come.

Roadway conditions are quantified by Pavement Condition Index (PCI), where a PCI of 1 is the best possible condition and a PCI of 10 is the worst possible condition. The Village's current average PCI value of 5.3 (Fair) is slightly lower than the average of 5.0 (Fair) from October 5, 2018 report which is lower than the average of 3.9 (Good) from the March 8, 2013 report. The Village of Hawthorn Woods should institute a number of pavement maintenance strategies recommended by CBBEL described within this report. If the Village follows this pavement plan and implements various maintenance techniques, the roadway system will last longer and overall pavement management costs will decrease.

In order for the Village to keep the high standard of roadway conditions the community expects 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 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. **A typical pavement life cycle is approximately 15-20 years when using routine maintenance.**

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 5.3 (which does not include the roadways that have not yet been accepted by the Village/do not have surface course placed). The PCI value of 5.3 represents a pavement that is showing signs of aging, but still is maintaining a sound structural condition. Even with this 5.3 pavement rating and fair 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-one percent of the total street pavement area has a PCI value of 5 or 6. 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 reconstruction may be the required treatment in approximately 4-6 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 25-year pavement management program of this magnitude averages 1.1 million dollars annually in 2023 dollars. Please note that inflation has not been added for future years.
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. This is similar to the recently funded Schwerman Road project. These projects would be simple grind and overlay at a 20% 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.

It should be noted that this report assumes that all large-diameter CMP culverts within the Village will be replaced in the first few years of the Program, depending on the availability of funding. All small-diameter CMP culverts will be replaced during their respective roadway’s resurfacing year during construction, with this cost being included in each roadway’s estimate. The existing large-diameter CMP culverts can be seen in Exhibit 2A.

Once this 25-year cycle is complete, the Village can expect to resurface and maintain the roadways at an approximate total cost of $1,100,000.00/Year ($800,000.00/Year for resurfacing and $300,000.00/Year for maintenance), which includes 10% engineering. This cost assumes grind and overlay resurfacing and preventative maintenance.

Please note that this report identifies the total cost for roadway improvements and CMP culvert replacement and is to be referenced as a guide only; depending on the funding type and availability, the streets and culverts may be completed in different years than stated in this report. There are several unknowns that may affect the timeline for this program.

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 59.2 centerline miles of streets currently maintained by the Village and approximately 0.5 centerline miles of streets to be transferred into the Village's maintenance program in the future, totaling 59.7 miles to be maintained by the Village (which does not include the Hawthorn Woods Country Club). In addition to the 59.7 miles in the street system, the Village's pavement maintenance program also includes maintaining five parking lots with a total area of 33,200 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 were repaired from 2003-2009; However, it is our understanding that the Village has also resurfaced Schwerman Road and Echo Lake Road in the last several years. This does not include approximately $110,000 spent annually by the Village on routine maintenance of roads, including pavement patching and crack sealing, in efforts to extend the life of the pavement. 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.

Please note that, of the Village's eleven (11) large-diameter culverts, only Bruce Circle North, Onondaga Drive, and Darlington Drive have been replaced to date. This program will address the remaining eight larger diameter culverts that require replacement within the village.

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	• Data not collected	Street not included in cost estimate.
1 New	• None	New or current construction. New overlay.
2 Excellent	• Little to none	Recent construction.
3 Very Good	• 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	• 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	• Slight raveling (loss of lines) and traffic wear. • Longitudinal cracks (open 1/4" – ½") 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	• 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	• 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	• Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. • Block cracking over 50% of surface. • Some alligator cracking (less than 25% or surface). • Patches in fair to poor condition. • Moderate rutting or distortion. • Occasional potholes.	Need patching and overlay. Consider partial reconstruction.
9 Very Poor	• 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	• 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 striping 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 5.3. This PCI value is considered fair. Shown on Exhibit 1 – Pavement Condition Index Map are each individual PCI values for the Village's roadway network. The PCI value of 5.3 represents a pavement that is showing signs of aging. Even with this 5.3 pavement rating and fair 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:
$1.15 / 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:
$4.75 / 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:
$5.25 / 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
25% Micro-Surfacing:
$8.25 / 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, concrete ribbon or 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:
$30.00 - $40.00 / 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
$45.00 – $55.00 / Sq Yd

The full depth asphalt removal and replacement includes removing all of the 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 includes 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 - $175.00 / 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 25-year pavement maintenance program. Exhibit 2 – 25-Year Plan Map shows the 25-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 – 2023 Area Percentages of PCI Values, shows approximately 61% of the total street pavement area has a PCI value of 5 or 6. 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 reconstruction will be the recommended treatment in approximately 4-6 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 25-year pavement management program of this magnitude averages 1.1 million dollars annually in 2023 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 1.1 million dollars was developed based on the 2023 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 25-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.

A $300,000 annual maintenance program will help maintain the level of service to an approximate pavement condition index of 4.0 after resurfacing/reconstruction of each roadway. 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, as well as the culvert replacement projects.

TOTAL ROAD PROGRAM COSTS				
YEAR	**RESURFACING COST**	***ROUTINE MAINTENANCE COST**	**TOTAL BUDGET**	**LARGE DIAMETER CULVERTS**
0	$357,000.00	$0	$357,000.00	$0.00
1	$1,084,000.00	$200,000	$1,284,000.00	$0.00
2	$814,000.00	$200,000	$1,014,000.00	$200,000.00
3	$942,000.00	$200,000	$1,142,000.00	$0.00
4	$329,000.00	$300,000	$629,000.00	$750,000.00
5	$352,000.00	$300,000	$652,000.00	$0.00
6	$577,000.00	$300,000	$877,000.00	$135,000.00
7	$503,000.00	$300,000	$803,000.00	$0.00
8	$1,008,000.00	$300,000	$1,308,000.00	$0.00
9	$915,000.00	$300,000	$1,215,000.00	$0.00
10	$979,000.00	$300,000	$1,279,000.00	$150,000.00
11	$877,000.00	$300,000	$1,177,000.00	$0.00
12	$892,000.00	$300,000	$1,192,000.00	$0.00
13	$900,000.00	$300,000	$1,200,000.00	$0.00
14	$849,000.00	$300,000	$1,149,000.00	$135,000.00
15	$815,000.00	$300,000	$1,115,000.00	$0.00
16	$805,000.00	$300,000	$1,105,000.00	$0.00
17	$813,000.00	$300,000	$1,113,000.00	$0.00
18	$963,000.00	$300,000	$1,263,000.00	$780,000.00
19	$856,000.00	$300,000	$1,156,000.00	$0.00
20	$873,000.00	$300,000	$1,173,000.00	$635,000.00
21	$802,000.00	$300,000	$1,102,000.00	$278,000.00
22	$796,000.00	$300,000	$1,096,000.00	$180,000.00
23	$824,000.00	$300,000	$1,124,000.00	$0.00
24	$776,000.00	$300,000	$1,076,000.00	$0.00
25	$599,000.00	$300,000	$899,000.00	$0.00
ROAD PROGRAM TOTALS:	**$20,300,000.00**	**$7,200,000.00**	**$27,500,000.00**	**$3,250,000.00**

LARGE DIAMETER CULVERT REPLACEMENT TOTAL:	**$3,250,000**

The combined cost of the Total Road Program and Large Diameter Culvert Replacement is $30,750,000.00

*ROUTINE MAINTENANCE 2027-2048 (Years 4-25)	APPROXIMATE PER YEAR COST
PRESERVATIVE REJUVENATING AGENT	$40,000
JOINT AND CRACKFILLING WITH 5% SURFACE PATCHING	$165,000
BITUMINOUS SURFACE PATCHING	$25,000
MICRO-SURFACING	$70,000
TOTAL =	**$300,000**

***Routine Maintenance Types cost breakdown is for reference only for the Total Road Program Costs table above.**
****The Village has allocated $200,000 in routine maintenance for program years 1-3.**

POSSIBLE FUNDING GRANT

In order for a Village roadway to be eligible for federal funding, the Village needs to apply through the Lake County Council of Mayors (LCCOM) to reclassify a road to an FAU Route. This process consists of first submitting a reclassification application with its necessary attachments, which include a location map, an exhibit showing the spacing to the nearest roadway with the same classification as the requested classification, and a traffic count report. After this application is submitted to and approved by LCCOM, LCCOM will submit the application to Springfield (IDOT Headquarters) who will then make the final decision on whether the roadway is a good candidate for reclassification or not. Some reasons that a roadway may not be a good candidate are:

- Excessively low ADT;
- The road is spaced too closely to another roadway of the same type of classification being applied for;
- Too many driveways.

Darlington Road and Owens Road were submitted in 2018 and have been denied reclassification for the reasons listed above.

If a reclassification has been approved, this roadway would be eligible for federal funds which can be utilized for roadway improvements only, such as grind & overlay, full-depth reclamation, and reconstruction projects.

The following local roads are existing FAU routes within the Village from past reclassification submittals:

- Echo Lake Road (Old McHenry Road to Midlothian Road)
- Miller Road (Rand Road to Echo Lake Road)
- Schwerman Road (Owens Road to Gilmer Road)
- Indian Creek Road (Gilmer Road to Diamond Lake Road)
- Acorn Drive (Bruce Circle to Old McHenry Road)

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 20% local match. The construction costs and Phase III Engineering are eligible for funding. The Council is currently changing eligibility of the projects, but CBBEL sits on the Committee that makes recommendations on the guidelines. Typically, in the past, projects are eligible 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).

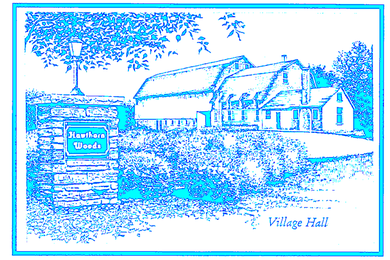
Hawthorn/Hickory will utilize RBI/MFT Funds (Year 2023). Community Park Parking Lot to utilize State of Illinois Member Grant Funds (unknown funding date or amount). Indian Creek/Acorn/Bruce Circle/Brierwoods will receive 80% funding from LCCOM (20% Local) (Year 2026).

EXHIBIT #1
PAVEMENT CONDITION INDEX MAP

Village of Hawthorn Woods

25-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 NOT SURFACED
- HAWTHORN WOODS COUNTRY CLUB (SEE EXHIBIT 8 FOR HWCC INFORMATION)

EXHIBIT 1
Date: 10/5/2018
REVISED 6/16/2023

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 H's\H201-H300\0265H281\Civil\Exhibits\2023_PCI Map.dgn

EXHIBIT #2
25-YEAR PLAN MAP

Village of Hawthorn Woods

25-Year

Pavement Maintenance Program
Hawthorn Woods, Illinois

25-Year Maintenance Map

- 2023 (YEAR 0)
- 2024 (YEAR 1)
- 2025 (YEAR 2)
- 2026 (YEAR 3)
- 2027 (YEAR 4)
- 2028 (YEAR 5)
- 2029 (YEAR 6)
- 2030 (YEAR 7)
- 2031 (YEAR 8)
- 2032 (YEAR 9)
- 2033 (YEAR 10)
- 2034 (YEAR 11)
- 2035 (YEAR 12)
- 2036 (YEAR 13)
- 2037 (YEAR 14)
- 2038 (YEAR 15)
- 2039 (YEAR 16)
- 2040 (YEAR 17)
- 2041 (YEAR 18)
- 2042 (YEAR 19)
- 2043 (YEAR 20)
- 2044 (YEAR 21)
- 2045 (YEAR 22)
- 2046 (YEAR 23)
- 2047 (YEAR 24)
- 2048 (YEAR 25)

HAWTHORN WOODS COUNTRY CLUB (SEE EXHIBIT 8 FOR HWCC INFORMATION)

EXHIBIT 2
Date: 10/5/2018
REVISED 6/16/2023

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 H's\H201-H300\0265H281\Civil\Exhibits\2023_Year Map.dgn

EXHIBIT #2A
EXISTING LARGE-DIAMETER CMP CULVERTS

MOOREGATE TRAIL

W KRUCKENBERG ROAD

WASHITAY AVENUE

INDIAN CREEK ROAD

DEER POINT DRIVE

KRUGER ROAD

GREENBRIAR LANE

LISA LANE

MARK DRIVE

ELM STREEET

Esri, HERE, Garmin, © OpenStreetMap contributors, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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

CLIENT:
VILLAGE OF HAWTHORN WOODS
2 Lagoon Drive
Hawthorn Woods, IL 60047

NO.	DATE	NATURE OF REVISION	CHKD.

DSGN.	
DWN:	M.HAYES
CHKD.	
SCALE:	1:0
MODEL:	ArcGIS 10
PLOT DATE	7/23/2018
FILE NAME	Aerial Exhibit - II 2A
PATH	N:\HAWTHORNWOODS\CMP Culvert Presentation - LMF\Aerial Exhibit - II 2A.mxd

TITLE:
VILLAGE OF HAWTHORN WOODS LOCATION OF CMP CULVERTS

PROJ. NO.	02-0065.H186
DATE:	
SHEET	OF
DRAWING NO.	EXHIBIT 2A

Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
Project Number: 02-0065.H0214
Date: August 1, 2017
Engineer's Opinion of Probable Cost
Updated: June 19, 2023

Culvert List

Culvert	Material	Est. Total Project Cost	SMC Permit	Corp Permit	Quantity	Existing Size	Proposed	Comments
Darlington **	CMP	N/A	YES	YES	4	36" x 58"	2 - 9'x3' PRECAST CONC. CULVERT	EQ: 38"X60"=48" (76 SF AREA); Completed in 2018.**
Indian Creek	CMP	$200,000	YES	YES	1	80"	80''	Will require $250,000 for stabilization in addition to replacement.
Mark Lane	CMP	$600,000	YES	YES	4	36" x 48"=15.12 SF	2 - 3' X 10' precast conc. box culvert	EQ: 53"x34"=42" (15.12 SF X 4 PIPES = 60.48 SF), cofferdam pumping because of existing lake.
Washitay	CMP	$635,000	YES	YES	3	38" x 55"=19 SF	2 - 3' x 10' precast conc. box culverts	EQ: 60"x38"=48" (18.98 SF X 3 PIPES = 57 SF AREA),
Greenbriar	CMP	OPTION 1: $280,000.00 OPTION 2: $175,000.00	YES	YES	2	7' x 4.5' EXISTING	N/A	
Lisa Lane	CMP	$180,000	NO	YES	2	15"	2 - 15" STORM SEWERS	
Elm	CMP	$750,000	YES	YES	4	52" x 36"=15.12 SF	2 - 3' x 10' precast conc. box culverts	EQ: 53"x34"=42" (15.12 SF X 4 PIPES = 60.48 SF)
Kruckenberg	CMP	$180,000	YES	YES	1	36"	1 - 36" STORM SEWER	
Kruger	CMP	$150,000	YES	YES	1	18"	1 - 18" STORM SEWER	
Mooregate	CMP	$135,000	NO	YES	1	16"	1 - 18" STORM SEWER	
Deer Point	CMP	$135,000	NO	YES	1	24"	1 - 24" STORM SEWER	Drains between Lake Leo and Lake Naomi
Onondaga Drive	Conc	N/A	N/A	N/A	1	9' x 7'	N/A	Box culvert replaced 2016
Bruce Circle	Conc	N/A	N/A	N/A	3	36"	N/A	Replaced in 2016
Total (assuming option 1):		**$3,243,000**						

**Overall cost does not include Darlington, Onondaga, and Bruce Circle as these were already replaced.

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

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - REPAIR YEAR

EXHIBIT 3B
JUNE 19, 2023
ROADWAYS BASED ON REPAIR YEAR

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
0	HAWTHORN DR	HICKORY RD	OLD MCHENRY RD	900	22	2244	2001	6	NO RIBBON
0	HAWTHORN DR	CIRCLE DR	VICTORIA LN	450	21	1071	2001	7	NO RIBBON
0	HAWTHORN DR	VICTORIA LN	HICKORY RD	305	21	726	2001	7	NO RIBBON
0	HICKORY LN	HAWTHORN DR	ELM ST	1033	22	2576	2001	9	NO RIBBON
1	ARTHUR CT	SOUTH CDS	GLEN RD	500	22	1247	1999	6	NO RIBBON
1	CATTAIL CT	FOXTAIL RD	NORTH CDS	268	22	669	2002	6	NO RIBBON
1	FOXTAIL RD	SQUIRE RD	EAST CDS	1050	22	2618	2002	6	NO RIBBON
1	GLEN RD	LYNN DR	EAST CDS	855	22	2512	2006	5	RIBBON
1	GLEN RD	200' W OF ARTHUR CT	ORCHARD LN	1993	22	4970	1999	6	NO RIBBON
1	GLEN RD	SQUIRE RD	200' W OF ARTHUR CT	528	22	1317	1996	6	NO RIBBON
1	LANCELOT LN	SQUIRE RD	GLEN RD	1220	22	3042	1999	6	NO RIBBON
1	SQUIRE RD	FOXTAIL RD	NORTH CDS	1570	22	3934	2002	5	NO RIBBON
1	SQUIRE RD	FOXTAIL RD	SOUTH END	2078	22	5207	2002	6	NO RIBBON
2	BLACKHAWK RD	INDIAN CREEK RD	SEQUOIA RD	857	22	2137	1999	8	NO RIBBON
2	INDIAN CREEK RD	GILMER RD	VILLAGE LIMIT	6635	21	17792	2004	7	RIBBON
2	RUTGERS CT	INDIAN CREEK RD	EAST CDS	1050	21	3518	2005	5	RIBBON
2	SEQUOIA RD	BLACKHAWK RD	EAST CDS	945	22	2777	2005	5	RIBBON
2	SEQUOIA RD	GILMER RD	BLACKHAWK RD	2384	22	5974	1996	7	NO RIBBON
2	SHENANDOAH LN	SEQUOIA RD	NORTH CDS	675	22	2383	2005	5	RIBBON
3	ACORN DR	OLD MCHENRY RD	12 ACORN DR	1035	22	2731	2005	5	RIBBON
3	ACORN DR	BRUCE CI SOUTH	ROBINCREST DR	580	22	1647	2005	5	RIBBON
3	ACORN DR	12 ACORN DR	BRUCE CI SOUTH	1830	21	4356	UNKNOWN	6	NO RIBBON
3	BRIERWOODS CT	BRIERWOODS LN	NORTH CDS	300	27	918	2005	6	
3	BRIERWOODS LN	BRUCE CI	VILLAGE LIMIT	1791	22	4466	2005	5	RIBBON
3	BRUCE CI	WAYNE LN	SOUTH CDS	1055	22	2631	2005	5	RIBBON
3	BRUCE CI NORTH	WAYNE LN	ACORN DR	2746	22	6847	2005	5	RIBBON
3	BRUCE CI SOUTH	BRUCE CI NORTH	ACORN DR	1345	22	3354	2001	5	NO RIBBON
3	ECHO CT	ACORN DR	SOUTH CDS	658	21	1967	2005	5	RIBBON
3	LYDIA CT	ACORN DR	EAST CDS	582	20	1920	2005	5	RIBBON
3	ROBIN CREST RD	EAST CDS	ACORN DR	370	21	1373	2005	5	RIBBON
3	ROBIN CREST RD	ACORN DR	BRUCE CI SOUTH	1340	21	3190	2005	5	RIBBON
3	TANGLEWOOD CT	TANGLEWOOD LN	NORTH CDS	426	22	1963	2005	5	RIBBON
3	TANGLEWOOD LN	BRIERWOODS LN	WEST END	726	22	1811	2005	4	RIBBON
3	WAYNE LN	BRUCE CI	NORTH CDS	414	22	1683	2005	5	RIBBON
4	ELM ST	DARLINGTON DR	LAGOON DR	2411	22	6012	2001	7	NO RIBBON
5	CARLISLE RD	FALKIRK RD	GLEN RD	1729	22	4311	1997	4	NO RIBBON
5	FALKIRK RD	LAGOON DR	CARLISLE RD	789	22	1968	1997	5	NO RIBBON
5	JAMES CT	DARLINGTON RD	NORTH CDS	489	22	1220	1996	6	NO RIBBON
5	JUEL CI	ELM ST	SOUTH CDS	498	22	1242	2001	7	NO RIBBON
6	BENT TREE CT	FOX HUNT TR	WEST CDS	680	22	2696	2004	5	RIBBON
6	BIXTONE LN	OLD MCHENRY RD	NORTH CDS	580	22	2077	2004	5	RIBBON
6	EQUESTRIAN WAY	NORTH TRAIL	450' S OF MOOREGATE TR	1825	22	4751	2006	4	CURB AND GUTTER
6	EQUESTRIAN WAY	SOUTH CDS	450' S OF MOOREGATE TR	450	22	1822	UNKNOWN	5	NO RIBBON
6	FOX HUNT CT	FOX HUNT TR	EAST CDS	250	22.5	1548	2004	5	RIBBON
6	FOX HUNT TR	PHEASANT RUN RD	OLD MCHENRY RD	1000	22	2494	2004	5	RIBBON
6	MOOREGATE TRAIL	WEST CDS	330' W OF EQUESTRIAN WAY	1750	21	4995	2000	5	NO RIBBON
6	MOOREGATE TRAIL	330' W OF EQUESTRIAN WAY	EQUESTRIAN WAY	330	25	935	UNKNOWN	5	CURB AND GUTTER
6	THORNFIELD LN	MOOREGATE TRAIL	SOUTH CDS	424	22	1058	2000	5	NO RIBBON
7	CHARLESTON CT	HAWTHORN GROVE CI	SOUTH CDS	430	22	1073	UNKNOWN	5	CURB AND GUTTER
7	GINO LN	HAWTHORN GROVE DR	360' E OF HAWTHORN GROVE DR	1000	22	2494	2008	4	CURB AND GUTTER
7	HARRINGTON CT	HAWTHORN GROVE DR	WEST CDS	975	22	2431	UNKNOWN	6	CURB AND GUTTER
7	HAWTHORN GROVE CI	HAWTHORN GROVE DR	HAWTHORN GROVE DR	3100	22	7730	UNKNOWN	6	CURB AND GUTTER
7	HAWTHORN GROVE DR	GILMER RD	HAWTHORN GROVE CI	2300	22	5735	UNKNOWN	5	CURB AND GUTTER
7	KENSINGTON CT	HAWTHORN GROVE DR	NORTH CDS	670	22	1671	UNKNOWN	6	CURB AND GUTTER
8	EAST PRAIRE CT	REGAN LN	EAST CDS	253	22	1691	2009	4	RIBBON
8	JESSICA CT	EAST CDS	JOSHUA DR	642	25	2969	UNKNOWN	6	CURB AND GUTTER
8	JOSHUA DR	REGAN LN	RESERVE CT	1445	22	4433	2009	4	RIBBON
8	JOSHUA DR	RESERVE CT	SOUTH END	645	22	1609	2009	5	CURB AND GUTTER
8	OWENS RD	SCHWERMAN RD	SOUTH CDS+C1:D1+D12	191	20	433	UNKNOWN	6	NO RIBBON
8	OWENS RD	GILMER RD	920' SOUTH OF GILMER RD	920	21	2400	2009	9	NO RIBBON
8	OWENS RD	920' S OF GILMER RD	1355' S OF GILMER RD	435	21	1036	UNKNOWN	10	NO RIBBON
8	OWENS RD	1355' S OF GILMER RD	SOUTH VILLAGE LIMIT	1480	21	3523	UNKNOWN	10	NO RIBBON
8	REED CT	REGAN LN	NORTH CDS	314	22	1683	2009	4	RIBBON
8	REGAN LN	GILMER RD	W. PRAIRIE CT	1336	22	3332	2009	4	RIBBON
8	RESERVE CT	JOSHUA DR	WEST CDS	665	22	1659	2009	4	RIBBON
8	WEST PRAIRIE CT	REGAN LN	WEST CDS	705	22	2488	2009	4	RIBBON
9	ECHO LAKE RD	MILLER RD	VILLAGE LIMITS	510	22	1272	UNKNOWN	3	NO RIBBON
9	ECHO LAKE RD	OLD MCHENRY RD	STONE CREEK RD	1055	25	2990	UNKNOWN	3	CURB AND GUTTER
9	ECHO LAKE RD	STONE CREEK RD	MILLER RD	485	23	1265	2000	5	NO RIBBON
9	ELMWOOD DR	MILLER RD	NORTH CDS	653	22	1629	2002	6	RIBBON
9	GLEN RD	ORCHARD LN	LYNN DR	1007	22	2511	2006	6	RIBBON
9	HARVEST GLEN CT	STONE CREEK RD	SOUTH CDS	400	22	2048	2009	5	RIBBON
9	MEADOW LN NORTH	NORTH CDS	STONE CREEK DR	250	22	2124	2009	5	RIBBON
9	MEADOW LN SOUTH	SOUTH CDS	STONE CREEK DR	576	22	1437	2009	5	RIBBON
9	MILLER RD	VILLAGE LIMIT	CREEK CROSSING NE OF BRECKENRIDGE DR	1700	22	4239	2002	6	NO RIBBON
9	MILTON RD	OLD MCHENRY RD	WINDING BRANCH RD	710	22	1771	2000	6	NO RIBBON
9	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1165	22	2905	2000	6	NO RIBBON
9	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	2165	22	5399	2000	6	NO RIBBON
9	MILTON RD	WINDING BRANCH RD	VILLAGE LIMIT	495	22	1235	2000	6	NO RIBBON
9	STONE CREEK RD	ECHO LAKE RD	EAST END	1395	22	3479	2009	5	RIBBON
10	KRUGER RD	FAIRFIELD RD	MIDLOTHIAN RD	1718	22	4284	UNKNOWN	10	NO RIBBON
11	ANNE CT	SOUTH CDS	DEER POINT DR	446	26	2223	UNKNOWN	5	CURB AND GUTTER
11	ARROWWOOD DR	SYCAMORE DR	SOUTH CDS	1750	22	4864	2009	5	RIBBON
11	BAGPIPE CT	LOCHANORA ROAD	EAST CDS	718	18	1465	UNKNOWN	7	NO RIBBON
11	BOXWOOD DR	MIDDLETREE LN	ARROWWOOD DR	731	22	1823	2009	5	RIBBON
11	ELDERBERRY DR	MIDDLETREE LN	EAST END	722	22	1801	2009	5	RIBBON
11	GENTRY DR	COPPERFIELD DR	BAGPIPE CT	1724	22	4299	2003	7	RIBBON
11	MIDDLETREE LN	SYCAMORE DR	SOUTH CDS	2056	22	5627	2009	5	RIBBON
11	NORTH TRAIL	WESTWIND CT	SOUTH CDS	2827	22	7049	2007	5	RIBBON
11	OLIVERS WAY	GOVERNORS WAY	LACHANORA DR	776	26	2287	UNKNOWN	5	CURB AND GUTTER
11	OVERLOOK DR	DEER POINT DR	NORTH CDS	467	22	1165	2006	5	RIBBON
11	REDWOOD LN	OLD MCHENRY RD	SYCAMORE DR	330	36	1272	2007	4	RIBBON
11	REDWOOD LN	NORTH TRAIL	OLD MCHENRY RD	231	35	917	2007	5	RIBBON
11	ROSE LN	OLIVERS WAY	EAST CDS	543	26	2581	UNKNOWN	5	CURB AND GUTTER
11	SYCAMORE DR	NORTH CDS	SOUTH CDS	2521	22	6536	2007	5	RIBBON
12	BARBERRY CT	OLD LAKE RD	NORTH CDS	615	22	1534	2006	6	RIBBON
12	BIRCH LAKES DR	DEER POINT DR	FAIRFIELD RD	1301	22	3244	2006	7	RIBBON
12	CHANCELLOR CT	COPPERFIELD DR	SOUTH CDS	262	22	914	2003	7	RIBBON
12	CHANTILLY LN	SOUTH CDS	WEDGEWOOD DR	760	22	2665	2003	7	RIBBON
12	COPPERFIELD DR	OLD MCHENRY RD	CHANTILLY LN	5011	22 to 36	13120	2003	7	RIBBON
12	DURANGO CT	DEER POINT DR	NORTH CDS	275	22	686	2006	5	RIBBON
12	GOVERNORS CT	OLIVERS WAY	WEST CDS	350	25	1922	UNKNOWN	5	CURB AND GUTTER
12	GOVERNORS WAY	230' EAST OF GENTRY DR	OLIVERS WAY	2090	25	5922	UNKNOWN	5	CURB AND GUTTER
12	GOVERNORS WAY	GENTRY DR	230' EAST OF GENTRY DR	230	22	574	2003	7	RIBBON
12	HIGH POINT CI	HIGH POINT DR	EAST CDS	250	22	624	2006	6	RIBBON
12	HIGH POINT DR	BIRCH LAKES DR	NORTH CDS	1267	22	3160	2006	5	RIBBON
12	MULBERRY DR	315' E OF COPPERFIELD DR	OLD MCHENRY RD	1206	22	3007	2006	6	RIBBON
12	MULBERRY DR	COPPERFIELD DR	315' E OF COPPERFIELD DR	295	22	736	2003	7	RIBBON
12	OLD LAKE RD	38 OLD LAKE DR	EAST CDS	775	22	2633	2006	6	CURB AND GUTTER
12	OLD LAKE RD	MULBERRY DR	38 OLD LAKE DR	1566	22	3905	2006	6	RIBBON
12	WEDGEWOOD DR	COPPERFIELD DR	COPPERFIELD DR	1458	22	3636	2003	7	RIBBON
13	BRIDLE PATH	MILTON RD	NORTH TRAIL	853	22	2127	2006	5	RIBBON
13	COBBLEWOOD LN	NORTH TRAIL	SOUTH CDS	1250	22	3917	2007	4	RIBBON

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE - REPAIR YEAR

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
13	DERBY LN	STEEPLECHASE DR	NORTH END	318	22	793	2006	5	RIBBON
13	DORSET CI	NORTH TRAIL	SOUTH CDS	142	22	1005	2007	5	RIBBON
13	FURLONG DR	NORTH TRAIL	EAST END	535	22	1334	2006	5	RIBBON
13	NEW HAVEN DR	COBBLEWOOD LN	VILLAGE LIMIT	443	22	1105	2007	4	RIBBON
13	NORTH TRAIL	NORTH CDS	FURLONG DR	3560	22	8877	2006	5	RIBBON
13	NORTH TRAIL	WESTWIND CT	FURLONG DR	1283	22	3199	2006	5	RIBBON
13	PADDOCK CT	NORTH TRAIL	NORTH CDS	340	22	848	2006	4	RIBBON
13	PHEASANT RUN RD	THORNFIELD LN	THORNFIELD LN	3270	21.5	7968	2004	6	RIBBON
13	SADDLE RIDGE CT	EQUESTRIAN WAY	EAST CDS	650	22	1621	UNKNOWN	4	CURB AND GUTTER
13	STEEPLECHASE DR	FURLONG DR	SOUTH CDS	1790	22	4464	2006	5	RIBBON
13	STONEY RIDGE CT	EQUESTRIAN WAY	END CDS	350	22	873	UNKNOWN	4	CURB AND GUTTER
13	THORNFIELD LN	PHEASANT RUN RD	NORTH CDS	725	22	2758	2005	5	RIBBON
13	THORNFIELD LN	PHEASANT RUN RD	MOOREGATE TRAIL	1093	22	2726	2009	5	RIBBON
13	WESTWIND CT	NORTH TRAIL	WEST CDS	595	22	2484	2006	4	RIBBON
13	WINDING BRANCH RD	MILTON RD	PHEASANT RUN RD	1425	21.5	3473	2004	5	RIBBON
13	WOODED LN	WINDING BRANCH RD	MILTON RD	525	21.5	1280	2004	5	RIBBON
14	DEER POINT DR	GOVERNORS WAY	BRIDGE E OF ANNE CT	834	26	2458	UNKNOWN	5	CURB AND GUTTER
14	DEER POINT DR	BRIDGE E OF ANNE CT	OLD LAKE RD	3281	22	8181	2006	7	RIBBON
14	HAWTHORN COMMUNITY PARK					5468	UNKNOWN	9	LOT WITH CURB AND GUTTER
14	PUBLIC WORKS FACILITY					2250	UNKNOWN	8	LOT
15	BYRON CT	KATHY LN	SOUTH CDS	199	22	1217	2004	6	RIBBON
15	COOPER CT	KATHY LN	SOUTH CDS	120	22	1372	2004	6	RIBBON
15	DAVID LN	NORTH END	SOUTH END	1335	22	3629	2004	5	RIBBON
15	HERITAGE OAKS PARK			3900		13816	UNKNOWN	5	LOT WITH CURB AND GUTTER
15	HOLMES AVE	KATHY LN	FAIRFIELD RD	275	22.5	802	2004	5	RIBBON
15	KATHY LN	EAST VILLAGE LIMIT	WEST CDS	2470	22.5	7399	2004	6	RIBBON
15	WHITMAN TERRACE	KATHY LN	DAVID LN	1725	22	4301	2004	5	RIBBON
16	CONDOR CT	ROSEWOOD DR	WEST CDS	166	22	1044	2007	5	RIBBON
16	HEATHER LN	QUENTIN RD	WEST CDS	1700	22	4239	2005	5	RIBBON
16	HIGHLAND TERRACE	HEATHER LN	MCGREGOR CT	555	22	1484	2005	5	RIBBON
16	IVY LN	ROSEWOOD DR	VILLAGE LIMIT	265	22	661	2007	5	RIBBON
16	LYNN DR	GLEN RD	ROSEWOOD DR N	1017	22	2536	2007	5	RIBBON
16	LYNN DR	LAGOON DR	GLEN RD	3696	22	9216	2007	6	RIBBON
16	MCGREGOR CT	WEST CDS	PIPER LN	690	22	2571	2005	5	RIBBON
16	PARK PLACE CI	PARK VIEW LN	END CDS	1040	25	2947	UNKNOWN	5	CURB AND GUTTER
16	PARK VIEW LN	OLD MCHENRY RD	EAST END	2000	21	5360	2007	5	CURB AND GUTTER
16	PIPER LN	MCGREGOR CT	HEATHER LN	1050	21.5	3409	2005	5	RIBBON
16	ROSEWOOD DR	280' W OF LYNN DR	NORTH END	2007	22	5505	2007	5	RIBBON
16	ROSEWOOD DR	LYNN DR	280' W OF LYNN DR	2360	22	6285	2007	5	RIBBON
17	CIRCLE DR	OLD MCHENRY RD	CIRCLE DR	950	21	2261	2005	7	RIBBON
17	JANE CT	JEUL DR	SOUTH CDS	478	22	1192	2006	5	RIBBON
17	JUEL DR	DARLINGTON DR	ELM ST	1606	22	4005	2006	5	RIBBON
17	LAGOON DR	WALNUT DR	FALKIRK RD	620	22	1546	2005	4	RIBBON
17	LAGOON DR	OLD MCHENRY RD	WALNUT DR	2770	22	6907	2005	5	RIBBON
17	LAGOON DR	FALKIRK RD	NORTH CDS	1467	22	3658	2003	5	RIBBON
17	LYNN DR	HICKORY RD	LAGOON DR	793	21	1888	2005	6	RIBBON
17	OAK LN	WEST END	CIRCLE DR	585	21	1393	2005	7	RIBBON
17	ORCHARD LN	ROSEWOOD DR	LAGOON DR	1981	22	4940	2007	5	RIBBON
17	VICTORIA LN	HAWTHORN DR	LAGOON DR	1057	21	2516	2005	7	RIBBON
17	VILLAGE HALL LOT					2720	UNKNOWN	6	LOT
17	WALNUT DR	LAGOON DR	HICKORY RD	656	20	1487	2005	5	RIBBON
18	BRIGHTON CT	MARK DR	EAST CDS	235	22	1256	2008	4	RIBBON
18	CANTERBURY LN	MARK DR	EAST CDS	245	22	1271	2008	4	RIBBON
18	EDWARD LN	MARK DR	EAST CDS	500	22	1747	2008	4	RIBBON
18	ENCLAVE WAY	JOHN DR	SOUTH CDS	407	24	2078	2009	6	RIBBON
18	ESSEX CT	MARK DR	EAST CDS	300	22	1418	2008	4	RIBBON
18	HAMPTON LN	MARK DR	EAST CDS	295	22	1436	2008	4	RIBBON
18	HERON CT	DARLINGTON DR	EAST CDS	276	22	1109	2009	6	RIBBON
18	JAMES DR	MARK DR	JOHN DR	480	22	1197	2008	4	RIBBON
18	JAMES DR	DARLINGTON DR	JOHN DR	1158	22	2888	2009	6	RIBBON
18	JAMIE LN	MARK DR	TRENT RD	592	22	1477	2008	4	RIBBON
18	JOHN DR	DARLINGTON DR	ENCLAVE WAY	1894	22	4723	2009	6	RIBBON
18	LISA LN	MARK DR	EAST CDS	886	22	2473	2008	5	RIBBON
18	MARK DR	DARLINGTON DR	SOUTH CDS	5200	22	12966	2008	4	RIBBON
18	NEWBURY CT	MARK DR	EAST CDS	300	22	1298	2008	4	RIBBON
18	NORBERT DR	DARLINGTON DR	JOHN DR	1844	22	4598	2009	6	RIBBON
18	ROBERT CT	MARK DR	EAST CDS	284	22	1049	2008	4	RIBBON
18	TRENT RD	DARLINGTON DR	DARLINGTON DR	2165	21	5153	2005	4	RIBBON
18	WILD WAY	MARK DR	WEST END	270	22	674	2008	4	RIBBON
19	ABERDEEN RD	DARLINGTON DR	DARLINGTON DR	1920	22	4786	2009	6	RIBBON
19	CARLISLE RD	GLEN RD	N HIGHVIEW CI	983	22	2451	2006	6	RIBBON
19	CARLISLE RD	DARLINGTON DR	N HIGHVIEW CI	2325	22	5797	2006	6	RIBBON
19	CROYDEN RD	STONEHAVEN DR	GLEN RD	1358	22	3386	2003	6	RIBBON
19	DARLINGTON DR	OLD MCHENRY RD	JUEL DR	2095	22	5486	2005	6	RIBBON
19	DARLINGTON DR	JUEL DR	GILMER RD	4265	22	10635	2005	6	RIBBON
19	FALKIRK RD	DARLINGTON DR	CARLISLE RD	941	22	2347	2003	6	RIBBON
19	GLEN RD	DARLINGTON DR	CARLISLE RD	878	22	2190	2006	4	RIBBON
19	HIGHVIEW CI	CARLISLE RD	CARLISLE RD	1777	22	5901	2003	6	RIBBON
19	STONE HAVEN DR	CARLISLE RD	DARLINGTON DR	948	22	2364	2003	5	RIBBON
19	UNIVERSITY CI	CARLISLE RD	CARLISLE RD	1500	22	4440	2008	5	RIBBON
20	AHO DR	SENECA EAST AV	EAST END	190	22	474	2009	5	RIBBON
20	CAMBRIDGE DR	CARLISLE RD	GILMER RD	2337	22	5827	2007	4	RIBBON
20	CAYUGA CT	SENECA EAST AV	WEST CDS	520	22	2197	2009	5	RIBBON
20	CONESUS CT	SENECA EAST AV	WEST CDS	220	22	1249	2009	5	RIBBON
20	DARTMOUTH LN	CAMBRIDGE DR	VILLAGE LIMIT	385	21.5	969	2004	4	RIBBON
20	HARVARD LN	CAMBRIDGE DR	CAMBRIDGE DR	1278	22	3187	2008	4	RIBBON
20	KEUKA CT	SENECA EAST AV	WEST CDS	185	22	1162	2009	5	RIBBON
20	ONEIDA LN	WASHITAY AV	SENECA WEST AV	1362	22	3396	2009	6	RIBBON
20	ONONDAGA DR	SENECA EAST AV	SENECA WEST AV	1556	22	3880	2006	6	RIBBON
20	PRINCETON LN	CAMBRIDGE DR	NORTH CDS	708	22	2366	2007	4	RIBBON
20	SENECA EAST AV	WASHITAY AV	INDIAN CREEK	2095	22	5224	2009	6	RIBBON
20	SENECA WEST AV	INDIAN CREEK RD	WASHITAY AV	1763	22	4396	2006	7	RIBBON
20	SENECA WEST AVE	SOUTH CDS	INDIAN CREEK RD	1443	22	4348	2003	6	RIBBON
20	WAKIA CT	SENECA WEST AV	EAST CDS	195	22	1187	2009	5	RIBBON
20	WASHITAY AV	SENECA WEST AV	SENECA EAST AV	1852	22	4618	2006	6	RIBBON
20	YALE CT	HARVARD LN	EAST CDS	175	21.5	1367	2004	6	RIBBON
21	CHERRY HILL CI	GINO LN	NORTH CDS	645	22	2159	2008	4	RIBBON
21	GINO LN	360' E OF HAWTHORN GROVE DR	SAINT JOHN RD	1260	22	3142	2008	4	RIBBON
21	GREENBRIAR LN	EAST CDS	WEST CDS	1671	22	5167	2008	5	RIBBON
21	HILLCREST DR	VILLAGE LIMIT	LAKEVIEW RD	426	22 to 55	2289	2007	4	CURB AND GUTTER
21	HILLTOP CT	OLD BARN RD	NORTH CDS	142	22	955	2007	4	RIBBON
21	KAREN CT	GINO LN	SOUTH CDS	215	22	1257	2008	4	RIBBON
21	LAKEVIEW RD	HILLCREST DR	OLD BARN RD	2196	22	5476	2007	5	RIBBON
21	MAGNOLIA PKWY	SAINT JOHN RD	WEST CDS	797	22	2568	2008	4	RIBBON
21	MARY LN	SAINT JOHN RD	WEST CDS	458	22	1742	2008	4	RIBBON
21	OLD BARN RD	HILLCREST DR	VILLAGE LIMIT	3302	22	8233	2007	4	RIBBON
21	QUAIL HOLLOW CT	SOUTH CDS	NORTH CDS	500	22	1777	2007	4	RIBBON
21	SAINT JOHN DR	GILMER RD	GINO LN	752	22	1875	2008	4	RIBBON
21	SAINT JOHN DR	GINO LN	OLD BARN RD	2452	22	6114	2008	5	RIBBON
21	SAINT JOHN DR	GREENBRIAR LN	GILMER RD	740	22	1846	2008	5	RIBBON
21	SUNSET CT	OLD BARN RD	NORTH CDS	120	22	844	2007	4	RIBBON
22	AQUATIC CENTER			980		8906	UNKNOWN	6	LOT WITH CURB AND GUTTER
22	BLUE BIRD CT	FALCON DR	NORTH CDS	213	22	1249	2003	5	RIBBON
22	EAST PETER LN	CARDINAL DR	EAST CDS	730	22	1821	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
22	FALCON DR	PEREGRINE LN	MEADOWLARK DR	2490	22	6209	2003	5	RIBBON
22	FOREST VIEW DR	KRUCKENBERG RD	DEERFIELD DR	1400	22	3491	UNKNOWN	5	CURB AND GUTTER
22	PEREGRINE LN	SOUTH CDS	WEST CDS	1950	22	6332	2003	6	RIBBON
22	W KRUCKENBERG RD	BEND	LIMIT	1050	22	2618	UNKNOWN	1	CURB AND GUTTER
22	W KRUCKENBERG RD	MIDLOTHIAN RD	BEND	1790	22	4464	UNKNOWN	2	NO RIBBON
22	WEST PETER LN	CARDINAL DR	SOUTH CDS	1315	22	3279	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
23	BITTERSWEET TR	SCHWERMAN RD	SOUTH CDS	597	24	1624	UNKNOWN	6	CURB AND GUTTER
23	BLUE JAY LN	MEADOWLARK DR	WEST END	185	22	1662	2003	6	RIBBON
23	CARDINAL DR	620' S OF FALCON DR	GILMER RD	2075	22	5174	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
23	CARDINAL DR	SCHWERMAN RD	250' S OF FALCON DR	1275	22	3179	2003	7	RIBBON
23	GOLDFINCH CT	MEADOWLARK DR	EAST CDS	324	22	1638	2003	5	RIBBON
23	GOLF CREST	S CDS	N CDS	795	25	2253	UNKNOWN	4	CURB AND GUTTER
23	LA VISTA DR	VILLAGE LIMIT	VILLAGE LIMIT	150	22	374	UNKNOWN	6	CURB AND GUTTER

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - REPAIR YEAR

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
23	MEADOWLARK DR	SOUTH END	SCHWERMAN	2426	22	6049	2003	5	RIBBON
23	ORIOLE CT	MEADOWLARK DR	WEST CDS	274	22	1414	2003	5	RIBBON
23	SANDPIPER LN	WEST END	EAST CDS	987	22	3211	2003	5	RIBBON
23	SCARLET OAK DR	OWENS DR	GOLF CREST	593	25	1681	UNKNOWN	4	CURB AND GUTTER
23	SCHWERMAN RD	175' EAST OF MILTON	GILMER RD	4842	22	15073	2018	2	UNDER CONSTRUCTION
23	SCHWERMAN RD	OWENS DR	175' EAST OF MILTON	1066	22	2658	2018	2	UNDER CONSTRUCTION
23	SHEARWATER CT	MEADOWLARK DR	WEST CDS	681	22	2448	2003	6	RIBBON
24	ACACIA DR	ALDER CT	CATALPA DR	1600	24	4352	UNKNOWN	2	CURB AND GUTTER
24	ALDER CT	ENSELL RD	SOUTH CDS	710	24	1932	UNKNOWN	2	CURB AND GUTTER
24	BEDFORD CT	CHESTNUT CT	EAST CDS	150	22	1374	2009	6	CURB AND GUTTER
24	BUSINESS PARK			1329	30	4519	UNKNOWN	5	CURB AND GUTTER
24	CATALPA DR	ACACIA DR	VILLAGE LIMITS	200	22	499		2	CURB AND GUTTER
24	CHESTNUT CT	NORTH CDS	SOUTH CDS	1345	1249	5254	2009	6	CURB AND GUTTER
24	COSTEKIN COURT	176	NORTH CDS	820	24	2231	UNKNOWN	1	CURB AND GUTTER
24	DORCHESTER CT	HIGHLAND DR	NORTH CDS	656	22	2636	2009	6	CURB AND GUTTER
24	EMPRESS DR	ENSELL RD	CATALPA DR	2400	24	6528	UNKNOWN	2	CURB AND GUTTER
24	ENSELL RD	QUENTIN RD	ALDER CT	320	40	1451	UNKNOWN	2	CURB AND GUTTER
24	EXECUTIVE DR	COMMONS CIR	BUSINESS PARK	450	25	1275	UNKNOWN	1	CURB AND GUTTER
24	HIGHLAND DR	QUENTIN RD	CHESTNUT CT	704	26	2275	2009	6	CURB AND GUTTER
24	NELSON LN	COMMONS CIR	COMMONS CIR	500	25	1417	UNKNOWN	1	CURB AND GUTTER
24	NORTH ACACIA CT	ACACIA DR	ACACIA DR	150	24	408	UNKNOWN	1	CURB AND GUTTER
24	NORTH EMPRESS CT	EMPRESS DR	EMPRESS DR	125	25	355	UNKNOWN	2	CURB AND GUTTER
24	POTTERS	COMMONS CIR	COMMONS CIR	600	25	1700	UNKNOWN	1	CURB AND GUTTER
24	ROMAN LANE (HT3)			1800	27	5508	NO SURFACE	2	CURB AND GUTTER
24	SOUTH EMPRESS CT	EMPRESS DR	EMPRESS DR	90	24	245	UNKNOWN	2	CURB AND GUTTER
24	STONEBRIDGE STREETS			2600	25	7367	UNKNOWN	1	UNBUILT
24	WELLESEY CT	CHESTNUT CT	WEST CDS	105	22	1262	2009	6	CURB AND GUTTER
25	ANDREW LN	375' S OF CARDINAL DR	HAWTHORN HILLS DR	425	24	1156	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	ANDREW LN	HAWTHORN HILLS DR	HAWTHORN HILLS DR	1375	24	3740	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	ANDREW LN	CARDINAL DR	375' S OF CARDINAL DR	375	22	935	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
25	BEVERLY LN	PACIFIC AVE	VILLAGE LIMITS	1200	22	2992		2	CURB AND GUTTER
25	BRADBURY LN	HAWTHORN HILLS DR	EAST CDS	900	24	2448	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	BRENTWOOD DR	HAWTHORN HILLS DR	HAWTHORN HILLS DR	600	24	1632	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	COMMONS CIR	E CDS	MIDLOTHIAN RD	2200	25	6234	UNKNOWN	1	CURB AND GUTTER
25	DEERFIELD DR	FOREST VIEW DR	NORTH END	3300	22	8228	UNKNOWN	5	CURB AND GUTTER
25	GREENFIELD CT	DEERFIELD DR	NORTH CDS	350	22	873	UNKNOWN	5	CURB AND GUTTER
25	HAWTHORN HILLS DR	BEVERLY LN	MIDLOTHIAN RD	3450	29	11339	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	MELROSE PL	PACIFIC AVE	VILLAGE LIMITS	550	22	1372		2	CURB AND GUTTER
25	PACIFIC AVE	KRUCKENBERG RD	VILLAGE LIMITS	1850	22	4613		2	CURB AND GUTTER
25	PALISADES BLVD	BEVERLY LN	VILLAGE LIMITS	1750	22	4364		4	CURB AND GUTTER
25	SHERMAN CT	HAWTHORN HILLS DR	NORTH CDS	575	24	1564	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	SIERRA PL	HAWTHORN HILLS DR	SOUTH CDS	460	24	1855	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	SPRING CREEK CT	FOREST VIEW DR	EAST CDS	330	22	823	UNKNOWN	5	CURB AND GUTTER
25	VINE ST	PALISADE BLVD	PACIFIC AVE	650	22	1621		4	CURB AND GUTTER

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

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - PCI RANKING

EXHIBIT 3A
JUNE 19, 2023
ROADWAYS BASED ON PCI RANKING

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
25	ANDREW LN	375' S OF CARDINAL DR	HAWTHORN HILLS DR	425	24	1156	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	ANDREW LN	HAWTHORN HILLS DR	HAWTHORN HILLS DR	1375	24	3740	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	BRADBURY LN	HAWTHORN HILLS DR	EAST CDS	900	24	2448	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	BRENTWOOD DR	HAWTHORN HILLS DR	HAWTHORN HILLS DR	600	24	1632	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	COMMONS CIR	E CDS	MIDLOTHIAN RD	2200	25	6234	UNKNOWN	1	CURB AND GUTTER
24	COSTEKIN COURT	176	NORTH CDS	820	24	2231	UNKNOWN	1	CURB AND GUTTER
24	EXECUTIVE DR	COMMONS CIR	BUSINESS PARK	450	25	1275	UNKNOWN	1	CURB AND GUTTER
25	HAWTHORN HILLS DR	BEVERLY LN	MIDLOTHIAN RD	3450	29	11339	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
24	NELSON LN	COMMONS CIR	COMMONS CIR	500	25	1417	UNKNOWN	1	CURB AND GUTTER
24	NORTH ACACIA CT	ACACIA DR	ACACIA DR	150	24	408	UNKNOWN	1	CURB AND GUTTER
24	POTTERS	COMMONS CIR	COMMONS CIR	600	25	1700	UNKNOWN	1	CURB AND GUTTER
25	SHERMAN CT	HAWTHORN HILLS DR	NORTH CDS	575	24	1564	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	SIERRA PL	HAWTHORN HILLS DR	SOUTH CDS	460	24	1855	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
24	STONEBRIDGE STREETS			2600	25	7367	UNKNOWN	1	UNBUILT
22	W KRUCKENBERG RD	BEND	LIMIT	1050	22	2618	UNKNOWN	1	CURB AND GUTTER
24	ACACIA DR	ALDER CT	CATALPA DR	1600	24	4352	UNKNOWN	2	CURB AND GUTTER
24	ALDER CT	ENSELL RD	SOUTH CDS	710	24	1932	UNKNOWN	2	CURB AND GUTTER
25	ANDREW LN	CARDINAL DR	375' S OF CARDINAL DR	375	22	935	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
25	BEVERLY LN	PACIFIC AVE	VILLAGE LIMITS	1200	22	2992		2	CURB AND GUTTER
23	CARDINAL DR	620' S OF FALCON DR	GILMER RD	2075	22	5174	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
24	CATALPA DR	ACACIA DR	VILLAGE LIMITS	200	22	499		2	CURB AND GUTTER
22	EAST PETER LN	CARDINAL DR	EAST CDS	730	22	1821	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
24	EMPRESS DR	ENSELL RD	CATALPA DR	2400	24	6528	UNKNOWN	2	CURB AND GUTTER
24	ENSELL RD	QUENTIN RD	ALDER CT	320	40	1451	UNKNOWN	2	CURB AND GUTTER
25	MELROSE PL	PACIFIC AVE	VILLAGE LIMITS	550	22	1372		2	CURB AND GUTTER
24	NORTH EMPRESS CT	EMPRESS DR	EMPRESS DR	125	25	355	UNKNOWN	2	CURB AND GUTTER
25	PACIFIC AVE	KRUCKENBERG RD	VILLAGE LIMITS	1850	22	4613		2	CURB AND GUTTER
24	ROMAN LANE (HT3)			1800	27	5508	NO SURFACE	2	CURB AND GUTTER
23	SCHWERMAN RD	175' EAST OF MILTON	GILMER RD	4842	22	15073	2018	2	UNDER CONSTRUCTION
23	SCHWERMAN RD	OWENS DR	175' EAST OF MILTON	1066	22	2658	2018	2	UNDER CONSTRUCTION
24	SOUTH EMPRESS CT	EMPRESS DR	EMPRESS DR	90	24	245	UNKNOWN	2	CURB AND GUTTER
22	W KRUCKENBERG RD	MIDLOTHIAN RD	BEND	1790	22	4464	UNKNOWN	2	NO RIBBON
22	WEST PETER LN	CARDINAL DR	SOUTH CDS	1315	22	3279	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
9	ECHO LAKE RD	MILLER RD	VILLAGE LIMITS	510	22	1272	UNKNOWN	3	NO RIBBON
9	ECHO LAKE RD	OLD MCHENRY RD	STONE CREEK RD	1055	25	2990	UNKNOWN	3	CURB AND GUTTER
18	BRIGHTON CT	MARK DR	EAST CDS	235	22	1256	2008	4	RIBBON
20	CAMBRIDGE DR	CARLISLE RD	GILMER RD	2337	22	5827	2007	4	RIBBON
18	CANTERBURY LN	MARK DR	EAST CDS	245	22	1271	2008	4	RIBBON
5	CARLISLE RD	FALKIRK RD	GLEN RD	1729	22	4311	1997	4	NO RIBBON
21	CHERRY HILL CI	GINO LN	NORTH CDS	645	22	2159	2008	4	RIBBON
13	COBBLEWOOD LN	NORTH TRAIL	SOUTH CDS	1250	22	3917	2007	4	RIBBON
20	DARTMOUTH LN	CAMBRIDGE DR	VILLAGE LIMIT	385	21.5	969	2004	4	RIBBON
8	EAST PRAIRE CT	REGAN LN	EAST CDS	253	22	1691	2009	4	RIBBON
18	EDWARD LN	MARK DR	EAST CDS	500	22	1747	2008	4	RIBBON
6	EQUESTRIAN WAY	NORTH TRAIL	450' S OF MOOREGATE TR	1825	22	4751	2006	4	CURB AND GUTTER
18	ESSEX CT	MARK DR	EAST CDS	300	22	1418	2008	4	RIBBON
7	GINO LN	HAWTHORN GROVE DR	360' E OF HAWTHORN GROVE DR	1000	22	2494	2008	4	CURB AND GUTTER
21	GINO LN	360' E OF HAWTHORN GROVE DR	SAINT JOHN RD	1260	22	3142	2008	4	RIBBON
19	GLEN RD	DARLINGTON DR	CARLISLE RD	878	22	2190	2006	4	RIBBON
23	GOLF CREST	S CDS	N CDS	795	25	2253	UNKNOWN	4	CURB AND GUTTER
18	HAMPTON LN	MARK DR	EAST CDS	295	22	1436	2008	4	RIBBON
20	HARVARD LN	CAMBRIDGE DR	CAMBRIDGE DR	1278	22	3187	2008	4	RIBBON
21	HILLCREST DR	VILLAGE LIMIT	LAKEVIEW RD	426	22 to 55	2289	2007	4	CURB AND GUTTER
21	HILLTOP CT	OLD BARN RD	NORTH CDS	142	22	955	2007	4	RIBBON
18	JAMES DR	MARK DR	JOHN DR	480	22	1197	2008	4	RIBBON
18	JAMIE LN	MARK DR	TRENT RD	592	22	1477	2008	4	RIBBON
8	JOSHUA DR	REGAN LN	RESERVE CT	1445	22	4433	2009	4	RIBBON
21	KAREN CT	GINO LN	SOUTH CDS	215	22	1257	2008	4	RIBBON
17	LAGOON DR	WALNUT DR	FALKIRK RD	620	22	1546	2005	4	RIBBON
21	MAGNOLIA PKWY	SAINT JOHN RD	WEST CDS	797	22	2568	2008	4	RIBBON
18	MARK DR	DARLINGTON DR	SOUTH CDS	5200	22	12966	2008	4	RIBBON
21	MARY LN	SAINT JOHN RD	WEST CDS	458	22	1742	2008	4	RIBBON
13	NEW HAVEN DR	COBBLEWOOD LN	VILLAGE LIMIT	443	22	1105	2007	4	RIBBON
18	NEWBURY CT	MARK DR	EAST CDS	300	22	1298	2008	4	RIBBON
21	OLD BARN RD	HILLCREST DR	VILLAGE LIMIT	3302	22	8233	2007	4	RIBBON
13	PADDOCK CT	NORTH TRAIL	NORTH CDS	340	22	848	2006	4	RIBBON
25	PALISADES BLVD	BEVERLY LN	VILLAGE LIMITS	1750	22	4364		4	CURB AND GUTTER
20	PRINCETON LN	CAMBRIDGE DR	NORTH CDS	708	22	2366	2007	4	RIBBON
21	QUAIL HOLLOW CT	SOUTH CDS	NORTH CDS	500	22	1777	2007	4	RIBBON
11	REDWOOD LN	OLD MCHENRY RD	SYCAMORE DR	330	36	1272	2007	4	RIBBON
8	REED CT	REGAN LN	NORTH CDS	314	22	1683	2009	4	RIBBON
8	REGAN LN	GILMER RD	W. PRAIRIE CT	1336	22	3332	2009	4	RIBBON
8	RESERVE CT	JOSHUA DR	WEST CDS	665	22	1659	2009	4	RIBBON
18	ROBERT CT	MARK DR	EAST CDS	284	22	1049	2008	4	RIBBON
13	SADDLE RIDGE CT	EQUESTRIAN WAY	EAST CDS	650	22	1621	UNKNOWN	4	CURB AND GUTTER
21	SAINT JOHN DR	GILMER RD	GINO LN	752	22	1875	2008	4	RIBBON
23	SCARLET OAK DR	OWENS DR	GOLF CREST	593	25	1681	UNKNOWN	4	CURB AND GUTTER
13	STONEY RIDGE CT	EQUESTRIAN WAY	END CDS	350	22	873	UNKNOWN	4	CURB AND GUTTER
21	SUNSET CT	OLD BARN RD	NORTH CDS	120	22	844	2007	4	RIBBON
3	TANGLEWOOD LN	BRIERWOODS LN	WEST END	726	22	1811	2005	4	RIBBON
18	TRENT RD	DARLINGTON DR	DARLINGTON DR	2165	21	5153	2005	4	RIBBON
25	VINE ST	PALISADE BLVD	PACIFIC AVE	650	22	1621		4	CURB AND GUTTER
8	WEST PRAIRIE CT	REGAN LN	WEST CDS	705	22	2488	2009	4	RIBBON
13	WESTWIND CT	NORTH TRAIL	WEST CDS	595	22	2484	2006	4	RIBBON
18	WILD WAY	MARK DR	WEST END	270	22	674	2008	4	RIBBON
3	ACORN DR	OLD MCHENRY RD	12 ACORN DR	1035	22	2731	2005	5	RIBBON
3	ACORN DR	BRUCE CI SOUTH	ROBINCREST DR	580	22	1647	2005	5	RIBBON
20	AHO DR	SENECA EAST AV	EAST END	190	22	474	2009	5	RIBBON
11	ANNE CT	SOUTH CDS	DEER POINT DR	446	26	2223	UNKNOWN	5	CURB AND GUTTER
11	ARROWWOOD DR	SYCAMORE DR	SOUTH CDS	1750	22	4864	2009	5	RIBBON
6	BENT TREE CT	FOX HUNT TR	WEST CDS	680	22	2696	2004	5	RIBBON
6	BIXTONE LN	OLD MCHENRY RD	NORTH CDS	580	22	2077	2004	5	RIBBON
22	BLUE BIRD CT	FALCON DR	NORTH CDS	213	22	1249	2003	5	RIBBON
11	BOXWOOD DR	MIDDLETREE LN	ARROWWOOD DR	731	22	1823	2009	5	RIBBON
13	BRIDLE PATH	MILTON RD	NORTH TRAIL	853	22	2127	2006	5	RIBBON
3	BRIERWOODS LN	BRUCE CI	VILLAGE LIMIT	1791	22	4466	2005	5	RIBBON
3	BRUCE CI	WAYNE LN	SOUTH CDS	1055	22	2631	2005	5	RIBBON
3	BRUCE CI NORTH	WAYNE LN	ACORN DR	2746	22	6847	2005	5	RIBBON
3	BRUCE CI SOUTH	BRUCE CI NORTH	ACORN DR	1345	22	3354	2001	5	NO RIBBON
24	BUSINESS PARK			1329	30	4519	UNKNOWN	5	CURB AND GUTTER
20	CAYUGA CT	SENECA EAST AV	WEST CDS	520	22	2197	2009	5	RIBBON
7	CHARLESTON CT	HAWTHORN GROVE CI	SOUTH CDS	430	22	1073	UNKNOWN	5	CURB AND GUTTER
16	CONDOR CT	ROSEWOOD DR	WEST CDS	166	22	1044	2007	5	RIBBON
20	CONESUS CT	SENECA EAST AV	WEST CDS	220	22	1249	2009	5	RIBBON
15	DAVID LN	NORTH END	SOUTH END	1335	22	3629	2004	5	RIBBON
14	DEER POINT DR	GOVERNORS WAY	BRIDGE E OF ANNE CT	834	26	2458	UNKNOWN	5	CURB AND GUTTER
25	DEERFIELD DR	FOREST VIEW DR	NORTH END	3300	22	8228	UNKNOWN	5	CURB AND GUTTER
13	DERBY LN	STEEPLECHASE DR	NORTH END	318	22	793	2006	5	RIBBON
13	DORSET CI	NORTH TRAIL	SOUTH CDS	142	22	1005	2007	5	RIBBON
12	DURANGO CT	DEER POINT DR	NORTH CDS	275	22	686	2006	5	RIBBON
3	ECHO CT	ACORN DR	SOUTH CDS	658	21	1967	2005	5	RIBBON
9	ECHO LAKE RD	STONE CREEK RD	MILLER RD	485	23	1265	2000	5	NO RIBBON
11	ELDERBERRY DR	MIDDLETREE LN	EAST END	722	22	1801	2009	5	RIBBON
6	EQUESTRIAN WAY	SOUTH CDS	450' S OF MOOREGATE TR	450	22	1822	UNKNOWN	5	NO RIBBON

VILLAGE OF HAWTHORN WOODS
PAVEMENT EVALUATION DATABASE - PCI RANKING

EXHIBIT 3A
JUNE 19, 2023
ROADWAYS BASED ON PCI RANKING

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
22	FALCON DR	PEREGRINE LN	MEADOWLARK DR	2490	22	6209	2003	5	RIBBON
5	FALKIRK RD	LAGOON DR	CARLISLE RD	789	22	1968	1997	5	NO RIBBON
22	FOREST VIEW DR	KRUCKENBERG RD	DEERFIELD DR	1400	22	3491	UNKNOWN	5	CURB AND GUTTER
6	FOX HUNT CT	FOX HUNT TR	EAST CDS	250	22.5	1548	2004	5	RIBBON
6	FOX HUNT TR	PHEASANT RUN RD	OLD MCHENRY RD	1000	22	2494	2004	5	RIBBON
13	FURLONG DR	NORTH TRAIL	EAST END	535	22	1334	2006	5	RIBBON
1	GLEN RD	LYNN DR	EAST CDS	855	22	2512	2006	5	RIBBON
23	GOLDFINCH CT	MEADOWLARK DR	EAST CDS	324	22	1638	2003	5	RIBBON
12	GOVERNORS CT	OLIVERS WAY	WEST CDS	350	25	1922	UNKNOWN	5	CURB AND GUTTER
12	GOVERNORS WAY	230' EAST OF GENTRY DR	OLIVERS WAY	2090	25	5922	UNKNOWN	5	CURB AND GUTTER
21	GREENBRIAR LN	EAST CDS	WEST CDS	1671	22	5167	2008	5	RIBBON
25	GREENFIELD CT	DEERFIELD DR	NORTH CDS	350	22	873	UNKNOWN	5	CURB AND GUTTER
9	HARVEST GLEN CT	STONE CREEK RD	SOUTH CDS	400	22	2048	2009	5	RIBBON
7	HAWTHORN GROVE DR	GILMER RD	HAWTHORN GROVE CI	2300	22	5735	UNKNOWN	5	CURB AND GUTTER
16	HEATHER LN	QUENTIN RD	WEST CDS	1700	22	4239	2005	5	RIBBON
15	HERITAGE OAKS PARK			3900		13816	UNKNOWN	5	LOT WITH CURB AND GUTTER
12	HIGH POINT DR	BIRCH LAKES DR	NORTH CDS	1267	22	3160	2006	5	RIBBON
16	HIGHLAND TERRACE	HEATHER LN	MCGREGOR CT	555	22	1484	2005	5	RIBBON
15	HOLMES AVE	KATHY LN	FAIRFIELD RD	275	22.5	802	2004	5	RIBBON
16	IVY LN	ROSEWOOD DR	VILLAGE LIMIT	265	22	661	2007	5	RIBBON
17	JANE CT	JEUL DR	SOUTH CDS	478	22	1192	2006	5	RIBBON
8	JOSHUA DR	RESERVE CT	SOUTH END	645	22	1609	2009	5	CURB AND GUTTER
17	JUEL DR	DARLINGTON DR	ELM ST	1606	22	4005	2006	5	RIBBON
20	KEUKA CT	SENECA EAST AV	WEST CDS	185	22	1162	2009	5	RIBBON
17	LAGOON DR	OLD MCHENRY RD	WALNUT DR	2770	22	6907	2005	5	RIBBON
17	LAGOON DR	FALKIRK RD	NORTH CDS	1467	22	3658	2003	5	RIBBON
21	LAKEVIEW RD	HILLCREST DR	OLD BARN RD	2196	22	5476	2007	5	RIBBON
18	LISA LN	MARK DR	EAST CDS	886	22	2473	2008	5	RIBBON
3	LYDIA CT	ACORN DR	EAST CDS	582	20	1920	2005	5	RIBBON
16	LYNN DR	GLEN RD	ROSEWOOD DR N	1017	22	2536	2007	5	RIBBON
16	MCGREGOR CT	WEST CDS	PIPER LN	690	22	2571	2005	5	RIBBON
9	MEADOW LN NORTH	NORTH CDS	STONE CREEK DR	250	22	2124	2009	5	RIBBON
9	MEADOW LN SOUTH	SOUTH CDS	STONE CREEK DR	576	22	1437	2009	5	RIBBON
23	MEADOWLARK DR	SOUTH END	SCHWERMAN	2426	22	6049	2003	5	RIBBON
11	MIDDLETREE LN	SYCAMORE DR	SOUTH CDS	2056	22	5627	2009	5	RIBBON
6	MOOREGATE TRAIL	WEST CDS	330' W OF EQUESTRIAN WAY	1750	21	4995	2000	5	NO RIBBON
6	MOOREGATE TRAIL	330' W OF EQUESTRIAN WAY	EQUESTRIAN WAY	330	25	935	UNKNOWN	5	CURB AND GUTTER
11	NORTH TRAIL	WESTWIND CT	SOUTH CDS	2827	22	7049	2007	5	RIBBON
13	NORTH TRAIL	NORTH CDS	FURLONG DR	3560	22	8877	2006	5	RIBBON
13	NORTH TRAIL	WESTWIND CT	FURLONG DR	1283	22	3199	2006	5	RIBBON
11	OLIVERS WAY	GOVERNORS WAY	LACHANORA DR	776	26	2287	UNKNOWN	5	CURB AND GUTTER
17	ORCHARD LN	ROSEWOOD DR	LAGOON DR	1981	22	4940	2007	5	RIBBON
23	ORIOLE CT	MEADOWLARK DR	WEST CDS	274	22	1414	2003	5	RIBBON
11	OVERLOOK DR	DEER POINT DR	NORTH CDS	467	22	1165	2006	5	RIBBON
16	PARK PLACE CI	PARK VIEW LN	END CDS	1040	25	2947	UNKNOWN	5	CURB AND GUTTER
16	PARK VIEW LN	OLD MCHENRY RD	EAST END	2000	21	5360	2007	5	CURB AND GUTTER
16	PIPER LN	MCGREGOR CT	HEATHER LN	1050	21.5	3409	2005	5	RIBBON
11	REDWOOD LN	NORTH TRAIL	OLD MCHENRY RD	231	35	917	2007	5	RIBBON
3	ROBIN CREST RD	EAST CDS	ACORN DR	370	21	1373	2005	5	RIBBON
3	ROBIN CREST RD	ACORN DR	BRUCE CI SOUTH	1340	21	3190	2005	5	RIBBON
11	ROSE LN	OLIVERS WAY	EAST CDS	543	26	2581	UNKNOWN	5	CURB AND GUTTER
16	ROSEWOOD DR	280' W OF LYNN DR	NORTH END	2007	22	5505	2007	5	RIBBON
16	ROSEWOOD DR	LYNN DR	280' W OF LYNN DR	2360	22	6285	2007	5	RIBBON
2	RUTGERS CT	INDIAN CREEK RD	EAST CDS	1050	21	3518	2005	5	RIBBON
21	SAINT JOHN DR	GINO LN	OLD BARN RD	2452	22	6114	2008	5	RIBBON
21	SAINT JOHN DR	GREENBRIAR LN	GILMER RD	740	22	1846	2008	5	RIBBON
23	SANDPIPER LN	WEST END	EAST CDS	987	22	3211	2003	5	RIBBON
2	SEQUOIA RD	BLACKHAWK RD	EAST CDS	945	22	2777	2005	5	RIBBON
2	SHENANDOAH LN	SEQUOIA RD	NORTH CDS	675	22	2383	2005	5	RIBBON
25	SPRING CREEK CT	FOREST VIEW DR	EAST CDS	330	22	823	UNKNOWN	5	CURB AND GUTTER
1	SQUIRE RD	FOXTAIL RD	NORTH CDS	1570	22	3934	2002	5	NO RIBBON
13	STEEPLECHASE DR	FURLONG DR	SOUTH CDS	1790	22	4464	2006	5	RIBBON
9	STONE CREEK RD	ECHO LAKE RD	EAST END	1395	22	3479	2009	5	RIBBON
19	STONE HAVEN DR	CARLISLE RD	DARLINGTON DR	948	22	2364	2003	5	RIBBON
11	SYCAMORE DR	NORTH CDS	SOUTH CDS	2521	22	6536	2007	5	RIBBON
3	TANGLEWOOD CT	TANGLEWOOD LN	NORTH CDS	426	22	1963	2005	5	RIBBON
6	THORNFIELD LN	MOOREGATE TRAIL	SOUTH CDS	424	22	1058	2000	5	NO RIBBON
13	THORNFIELD LN	PHEASANT RUN RD	NORTH CDS	725	22	2758	2005	5	RIBBON
13	THORNFIELD LN	PHEASANT RUN RD	MOOREGATE TRAIL	1093	22	2726	2009	5	RIBBON
19	UNIVERSITY CI	CARLISLE RD	CARLISLE RD	1500	22	4440	2008	5	RIBBON
20	WAKIA CT	SENECA WEST AV	EAST CDS	195	22	1187	2009	5	RIBBON
17	WALNUT DR	LAGOON DR	HICKORY RD	656	20	1487	2005	5	RIBBON
3	WAYNE LN	BRUCE CI	NORTH CDS	414	22	1683	2005	5	RIBBON
15	WHITMAN TERRACE	KATHY LN	DAVID LN	1725	22	4301	2004	5	RIBBON
13	WINDING BRANCH RD	MILTON RD	PHEASANT RUN RD	1425	21.5	3473	2004	5	RIBBON
13	WOODED LN	WINDING BRANCH RD	MILTON RD	525	21.5	1280	2004	5	RIBBON
19	ABERDEEN RD	DARLINGTON DR	DARLINGTON DR	1920	22	4786	2009	6	RIBBON
3	ACORN DR	12 ACORN DR	BRUCE CI SOUTH	1830	21	4356	UNKNOWN	6	NO RIBBON
22	AQUATIC CENTER			980		8906	UNKNOWN	6	LOT WITH CURB AND GUTTER
1	ARTHUR CT	SOUTH CDS	GLEN RD	500	22	1247	1999	6	NO RIBBON
12	BARBERRY CT	OLD LAKE RD	NORTH CDS	615	22	1534	2006	6	RIBBON
24	BEDFORD CT	CHESTNUT CT	EAST CDS	150	22	1374	2009	6	CURB AND GUTTER
23	BITTERSWEET TR	SCHWERMAN RD	SOUTH CDS	597	24	1624	UNKNOWN	6	CURB AND GUTTER
23	BLUE JAY LN	MEADOWLARK DR	WEST END	185	22	1662	2003	6	RIBBON
3	BRIERWOODS CT	BRIERWOODS LN	NORTH CDS	300	27	918	2005	6	
15	BYRON CT	KATHY LN	SOUTH CDS	199	22	1217	2004	6	RIBBON
19	CARLISLE RD	GLEN RD	N HIGHVIEW CI	983	22	2451	2006	6	RIBBON
19	CARLISLE RD	DARLINGTON DR	N HIGHVIEW CI	2325	22	5797	2006	6	RIBBON
1	CATTAIL CT	FOXTAIL RD	NORTH CDS	268	22	669	2002	6	NO RIBBON
24	CHESTNUT CT	NORTH CDS	SOUTH CDS	1345	1249	5254	2009	6	CURB AND GUTTER
15	COOPER CT	KATHY LN	SOUTH CDS	120	22	1372	2004	6	RIBBON
19	CROYDEN RD	STONEHAVEN DR	GLEN RD	1358	22	3386	2003	6	RIBBON
19	DARLINGTON DR	OLD MCHENRY RD	JUEL DR	2095	22	5486	2005	6	RIBBON
19	DARLINGTON DR	JUEL DR	GILMER RD	4265	22	10635	2005	6	RIBBON
24	DORCHESTER CT	HIGHLAND DR	NORTH CDS	656	22	2636	2009	6	CURB AND GUTTER
9	ELMWOOD DR	MILLER RD	NORTH CDS	653	22	1629	2002	6	RIBBON
18	ENCLAVE WAY	JOHN DR	SOUTH CDS	407	24	2078	2009	6	RIBBON
19	FALKIRK RD	DARLINGTON DR	CARLISLE RD	941	22	2347	2003	6	RIBBON
1	FOXTAIL RD	SQUIRE RD	EAST CDS	1050	22	2618	2002	6	NO RIBBON
1	GLEN RD	200' W OF ARTHUR CT	ORCHARD LN	1993	22	4970	1999	6	NO RIBBON
1	GLEN RD	SQUIRE RD	200' W OF ARTHUR CT	528	22	1317	1996	6	NO RIBBON
9	GLEN RD	ORCHARD LN	LYNN DR	1007	22	2511	2006	6	RIBBON
7	HARRINGTON CT	HAWTHORN GROVE DR	WEST CDS	975	22	2431	UNKNOWN	6	CURB AND GUTTER
0	HAWTHORN DR	HICKORY RD	OLD MCHENRY RD	900	22	2244	2001	6	NO RIBBON
7	HAWTHORN GROVE CI	HAWTHORN GROVE DR	HAWTHORN GROVE DR	3100	22	7730	UNKNOWN	6	CURB AND GUTTER
18	HERON CT	DARLINGTON DR	EAST CDS	276	22	1109	2009	6	RIBBON
12	HIGH POINT CI	HIGH POINT DR	EAST CDS	250	22	624	2006	6	RIBBON
24	HIGHLAND DR	QUENTIN RD	CHESTNUT CT	704	26	2275	2009	6	CURB AND GUTTER
19	HIGHVIEW CI	CARLISLE RD	CARLISLE RD	1777	22	5901	2003	6	RIBBON
5	JAMES CT	DARLINGTON RD	NORTH CDS	489	22	1220	1996	6	NO RIBBON
18	JAMES DR	DARLINGTON DR	JOHN DR	1158	22	2888	2009	6	RIBBON
8	JESSICA CT	EAST CDS	JOSHUA DR	642	25	2969	UNKNOWN	6	CURB AND GUTTER
18	JOHN DR	DARLINGTON DR	ENCLAVE WAY	1894	22	4723	2009	6	RIBBON
15	KATHY LN	EAST VILLAGE LIMIT	WEST CDS	2470	22.5	7399	2004	6	RIBBON
7	KENSINGTON CT	HAWTHORN GROVE DR	NORTH CDS	670	22	1671	UNKNOWN	6	CURB AND GUTTER
23	LA VISTA DR	VILLAGE LIMIT	VILLAGE LIMIT	150	22	374	UNKNOWN	6	CURB AND GUTTER
1	LANCELOT LN	SQUIRE RD	GLEN RD	1220	22	3042	1999	6	NO RIBBON
16	LYNN DR	LAGOON DR	GLEN RD	3696	22	9216	2007	6	RIBBON
17	LYNN DR	HICKORY RD	LAGOON DR	793	21	1888	2005	6	RIBBON
9	MILLER RD	VILLAGE LIMIT	CREEK CROSSING NE OF BRECKENRIDGE DR	1700	22	4239	2002	6	NO RIBBON
9	MILTON RD	OLD MCHENRY RD	WINDING BRANCH RD	710	22	1771	2000	6	NO RIBBON
9	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1165	22	2905	2000	6	NO RIBBON
9	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	2165	22	5399	2000	6	NO RIBBON
9	MILTON RD	WINDING BRANCH RD	VILLAGE LIMIT	495	22	1235	2000	6	NO RIBBON
12	MULBERRY DR	315' E OF COPPERFIELD DR	OLD MCHENRY RD	1206	22	3007	2006	6	RIBBON
18	NORBERT DR	DARLINGTON DR	JOHN DR	1844	22	4598	2009	6	RIBBON
12	OLD LAKE RD	38 OLD LAKE DR	EAST CDS	775	22	2633	2006	6	CURB AND GUTTER

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - PCI RANKING

EXHIBIT 3A
JUNE 19, 2023
ROADWAYS BASED ON PCI RANKING

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
12	OLD LAKE RD	MULBERRY DR	38 OLD LAKE DR	1566	22	3905	2006	6	RIBBON
20	ONEIDA LN	WASHITAY AV	SENECA WEST AV	1362	22	3396	2009	6	RIBBON
20	ONONDAGA DR	SENECA EAST AV	SENECA WEST AV	1556	22	3880	2006	6	RIBBON
8	OWENS RD	SCHWERMAN RD	SOUTH CDS+C1:D1+D12	191	20	433	UNKNOWN	6	NO RIBBON
22	PEREGRINE LN	SOUTH CDS	WEST CDS	1950	22	6332	2003	6	RIBBON
13	PHEASANT RUN RD	THORNFIELD LN	THORNFIELD LN	3270	21.5	7968	2004	6	RIBBON
20	SENECA EAST AV	WASHITAY AV	INDIAN CREEK	2095	22	5224	2009	6	RIBBON
20	SENECA WEST AVE	SOUTH CDS	INDIAN CREEK RD	1443	22	4348	2003	6	RIBBON
23	SHEARWATER CT	MEADOWLARK DR	WEST CDS	681	22	2448	2003	6	RIBBON
1	SQUIRE RD	FOXTAIL RD	SOUTH END	2078	22	5207	2002	6	NO RIBBON
17	VILLAGE HALL LOT					2720	UNKNOWN	6	LOT
20	WASHITAY AV	SENECA WEST AV	SENECA EAST AV	1852	22	4618	2006	6	RIBBON
24	WELLESEY CT	CHESTNUT CT	WEST CDS	105	22	1262	2009	6	CURB AND GUTTER
20	YALE CT	HARVARD LN	EAST CDS	175	21.5	1367	2004	6	RIBBON
11	BAGPIPE CT	LOCHANORA ROAD	EAST CDS	718	18	1465	UNKNOWN	7	NO RIBBON
12	BIRCH LAKES DR	DEER POINT DR	FAIRFIELD RD	1301	22	3244	2006	7	RIBBON
23	CARDINAL DR	SCHWERMAN RD	250' S OF FALCON DR	1275	22	3179	2003	7	RIBBON
12	CHANCELLOR CT	COPPERFIELD DR	SOUTH CDS	262	22	914	2003	7	RIBBON
12	CHANTILLY LN	SOUTH CDS	WEDGEWOOD DR	760	22	2665	2003	7	RIBBON
17	CIRCLE DR	OLD MCHENRY RD	CIRCLE DR	950	21	2261	2005	7	RIBBON
12	COPPERFIELD DR	OLD MCHENRY RD	CHANTILLY LN	5011	22 to 36	13120	2003	7	RIBBON
14	DEER POINT DR	BRIDGE E OF ANNE CT	OLD LAKE RD	3281	22	8181	2006	7	RIBBON
4	ELM ST	DARLINGTON DR	LAGOON DR	2411	22	6012	2001	7	NO RIBBON
11	GENTRY DR	COPPERFIELD DR	BAGPIPE CT	1724	22	4299	2003	7	RIBBON
12	GOVERNORS WAY	GENTRY DR	230' EAST OF GENTRY DR	230	22	574	2003	7	RIBBON
0	HAWTHORN DR	CIRCLE DR	VICTORIA LN	450	21	1071	2001	7	NO RIBBON
0	HAWTHORN DR	VICTORIA LN	HICKORY RD	305	21	726	2001	7	NO RIBBON
2	INDIAN CREEK RD	GILMER RD	VILLAGE LIMIT	6635	21	17792	2004	7	RIBBON
5	JUEL CI	ELM ST	SOUTH CDS	498	22	1242	2001	7	NO RIBBON
12	MULBERRY DR	COPPERFIELD DR	315' E OF COPPERFIELD DR	295	22	736	2003	7	RIBBON
17	OAK LN	WEST END	CIRCLE DR	585	21	1393	2005	7	RIBBON
20	SENECA WEST AV	INDIAN CREEK RD	WASHITAY AV	1763	22	4396	2006	7	RIBBON
2	SEQUOIA RD	GILMER RD	BLACKHAWK RD	2384	22	5974	1996	7	NO RIBBON
17	VICTORIA LN	HAWTHORN DR	LAGOON DR	1057	21	2516	2005	7	RIBBON
12	WEDGEWOOD DR	COPPERFIELD DR	COPPERFIELD DR	1458	22	3636	2003	7	RIBBON
2	BLACKHAWK RD	INDIAN CREEK RD	SEQUOIA RD	857	22	2137	1999	8	NO RIBBON
14	PUBLIC WORKS FACILITY					2250	UNKNOWN	8	LOT
14	HAWTHORN COMMUNITY PARK					5468	UNKNOWN	9	LOT WITH CURB AND GUTTER
0	HICKORY LN	HAWTHORN DR	ELM ST	1033	22	2576	2001	9	NO RIBBON
8	OWENS RD	GILMER RD	920' SOUTH OF GILMER RD	920	21	2400	2009	9	NO RIBBON
10	KRUGER RD	FAIRFIELD RD	MIDLOTHIAN RD	1718	22	4284	UNKNOWN	10	NO RIBBON
8	OWENS RD	920' S OF GILMER RD	1355' S OF GILMER RD	435	21	1036	UNKNOWN	10	NO RIBBON
8	OWENS RD	1355' S OF GILMER RD	SOUTH VILLAGE LIMIT	1480	21	3523	UNKNOWN	10	NO RIBBON

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

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - STREETS ALPHABETIZED

EXHIBIT 3B
JUNE 19, 2023
ROADWAYS BASED ON STREETS ALPHABETIZED

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
19	ABERDEEN RD	DARLINGTON DR	DARLINGTON DR	1920	22	4786	2009	6	RIBBON
24	ACACIA DR	ALDER CT	CATALPA DR	1600	24	4352	UNKNOWN	2	CURB AND GUTTER
3	ACORN DR	OLD MCHENRY RD	12 ACORN DR	1035	22	2731	2005	5	RIBBON
3	ACORN DR	BRUCE CI SOUTH	ROBINCREST DR	580	22	1647	2005	5	RIBBON
3	ACORN DR	12 ACORN DR	BRUCE CI SOUTH	1830	21	4356	UNKNOWN	6	NO RIBBON
20	AHO DR	SENECA EAST AV	EAST END	190	22	474	2009	5	RIBBON
24	ALDER CT	ENSELL RD	SOUTH CDS	710	24	1932	UNKNOWN	2	CURB AND GUTTER
25	ANDREW LN	375' S OF CARDINAL DR	HAWTHORN HILLS DR	425	24	1156	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	ANDREW LN	HAWTHORN HILLS DR	HAWTHORN HILLS DR	1375	24	3740	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	ANDREW LN	CARDINAL DR	375' S OF CARDINAL DR	375	22	935	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
11	ANNE CT	SOUTH CDS	DEER POINT DR	446	26	2223	UNKNOWN	5	CURB AND GUTTER
22	AQUATIC CENTER					8906	UNKNOWN	6	LOT WITH CURB AND GUTTER
11	ARROWWOOD DR	SYCAMORE DR	SOUTH CDS	1750	22	4864	2009	5	RIBBON
1	ARTHUR CT	SOUTH CDS	GLEN RD	500	22	1247	1999	6	NO RIBBON
11	BAGPIPE CT	LOCHANORA ROAD	EAST CDS	718	18	1465	UNKNOWN	7	NO RIBBON
12	BARBERRY CT	OLD LAKE RD	NORTH CDS	615	22	1534	2006	6	RIBBON
24	BEDFORD CT	CHESTNUT CT	EAST CDS	150	22	1374	2009	6	CURB AND GUTTER
6	BENT TREE CT	FOX HUNT TR	WEST CDS	680	22	2696	2004	5	RIBBON
25	BEVERLY LN	PACIFIC AVE	VILLAGE LIMITS	1200	22	2992		2	CURB AND GUTTER
12	BIRCH LAKES DR	DEER POINT DR	FAIRFIELD RD	1301	22	3244	2006	7	RIBBON
23	BITTERSWEET TR	SCHWERMAN RD	SOUTH CDS	597	24	1624	UNKNOWN	6	CURB AND GUTTER
6	BIXTONE LN	OLD MCHENRY RD	NORTH CDS	580	22	2077	2004	5	RIBBON
2	BLACKHAWK RD	INDIAN CREEK RD	SEQUOIA RD	857	22	2137	1999	8	NO RIBBON
22	BLUE BIRD CT	FALCON DR	NORTH CDS	213	22	1249	2003	5	RIBBON
23	BLUE JAY LN	MEADOWLARK DR	WEST END	185	22	1662	2003	6	RIBBON
11	BOXWOOD DR	MIDDLETREE LN	ARROWWOOD DR	731	22	1823	2009	5	RIBBON
25	BRADBURY LN	HAWTHORN HILLS DR	EAST CDS	900	24	2448	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	BRENTWOOD DR	HAWTHORN HILLS DR	HAWTHORN HILLS DR	600	24	1632	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
13	BRIDLE PATH	MILTON RD	NORTH TRAIL	853	22	2127	2006	5	RIBBON
3	BRIERWOODS CT	BRIERWOODS LN	NORTH CDS	300	27	918	2005	6	
3	BRIERWOODS LN	BRUCE CI	VILLAGE LIMIT	1791	22	4466	2005	5	RIBBON
18	BRIGHTON CT	MARK DR	EAST CDS	235	22	1256	2008	4	RIBBON
3	BRUCE CI	WAYNE LN	SOUTH CDS	1055	22	2631	2005	5	RIBBON
3	BRUCE CI NORTH	WAYNE LN	ACORN DR	2746	22	6847	2005	5	RIBBON
3	BRUCE CI SOUTH	BRUCE CI NORTH	ACORN DR	1345	22	3354	2001	5	NO RIBBON
24	BUSINESS PARK			1329	30	4519	UNKNOWN	5	CURB AND GUTTER
15	BYRON CT	KATHY LN	SOUTH CDS	199	22	1217	2004	6	RIBBON
20	CAMBRIDGE DR	CARLISLE RD	GILMER RD	2337	22	5827	2007	4	RIBBON
18	CANTERBURY LN	MARK DR	EAST CDS	245	22	1271	2008	4	RIBBON
23	CARDINAL DR	620' S OF FALCON DR	GILMER RD	2075	22	5174	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
23	CARDINAL DR	SCHWERMAN RD	250' S OF FALCON DR	1275	22	3179	2003	7	RIBBON
5	CARLISLE RD	FALKIRK RD	GLEN RD	1729	22	4311	1997	4	NO RIBBON
19	CARLISLE RD	GLEN RD	N HIGHVIEW CI	983	22	2451	2006	6	RIBBON
19	CARLISLE RD	DARLINGTON DR	N HIGHVIEW CI	2325	22	5797	2006	6	RIBBON
24	CATALPA DR	ACACIA DR	VILLAGE LIMITS	200	22	499		2	CURB AND GUTTER
1	CATTAIL CT	FOXTAIL RD	NORTH CDS	268	22	669	2002	6	NO RIBBON
20	CAYUGA CT	SENECA EAST AV	WEST CDS	520	22	2197	2009	5	RIBBON
12	CHANCELLOR CT	COPPERFIELD DR	SOUTH CDS	262	22	914	2003	7	RIBBON
12	CHANTILLY LN	SOUTH CDS	WEDGEWOOD DR	760	22	2665	2003	7	RIBBON
7	CHARLESTON CT	HAWTHORN GROVE CI	SOUTH CDS	430	22	1073	UNKNOWN	5	CURB AND GUTTER
21	CHERRY HILL CI	GINO LN	NORTH CDS	645	22	2159	2008	4	RIBBON
24	CHESTNUT CT	NORTH CDS	SOUTH CDS	1345	1249	5254	2009	6	CURB AND GUTTER
17	CIRCLE DR	OLD MCHENRY RD	CIRCLE DR	950	21	2261	2005	7	RIBBON
13	COBBLEWOOD LN	NORTH TRAIL	SOUTH CDS	1250	22	3917	2007	4	RIBBON
25	COMMONS CIR	E CDS	MIDLOTHIAN RD	2200	25	6234	UNKNOWN	1	CURB AND GUTTER
16	CONDOR CT	ROSEWOOD DR	WEST CDS	166	22	1044	2007	5	RIBBON
20	CONESUS CT	SENECA EAST AV	WEST CDS	220	22	1249	2009	5	RIBBON
15	COOPER CT	KATHY LN	SOUTH CDS	120	22	1372	2004	6	RIBBON
12	COPPERFIELD DR	OLD MCHENRY RD	CHANTILLY LN	5011	22 to 36	13120	2003	7	RIBBON
24	COSTEKIN COURT	176	NORTH CDS	820	24	2231	UNKNOWN	1	CURB AND GUTTER
19	CROYDEN RD	STONEHAVEN DR	GLEN RD	1358	22	3386	2003	6	RIBBON
19	DARLINGTON DR	OLD MCHENRY RD	JUEL DR	2095	22	5486	2005	6	RIBBON
19	DARLINGTON DR	JUEL DR	GILMER RD	4265	22	10635	2005	6	RIBBON
20	DARTMOUTH LN	CAMBRIDGE DR	VILLAGE LIMIT	385	21.5	969	2004	4	RIBBON
15	DAVID LN	NORTH END	SOUTH END	1335	22	3629	2004	5	RIBBON
14	DEER POINT DR	GOVERNORS WAY	BRIDGE E OF ANNE CT	834	26	2458	UNKNOWN	5	CURB AND GUTTER
14	DEER POINT DR	BRIDGE E OF ANNE CT	OLD LAKE RD	3281	22	8181	2006	7	RIBBON
25	DEERFIELD DR	FOREST VIEW DR	NORTH END	3300	22	8228	UNKNOWN	5	CURB AND GUTTER
13	DERBY LN	STEEPLECHASE DR	NORTH END	318	22	793	2006	5	RIBBON
24	DORCHESTER CT	HIGHLAND DR	NORTH CDS	656	22	2636	2009	6	CURB AND GUTTER
13	DORSET CI	NORTH TRAIL	SOUTH CDS	142	22	1005	2007	5	RIBBON
12	DURANGO CT	DEER POINT DR	NORTH CDS	275	22	686	2006	5	RIBBON
22	EAST PETER LN	CARDINAL DR	EAST CDS	730	22	1821	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
8	EAST PRAIRE CT	REGAN LN	EAST CDS	253	22	1691	2009	4	RIBBON
3	ECHO CT	ACORN DR	SOUTH CDS	658	21	1967	2005	5	RIBBON
9	ECHO LAKE RD	MILLER RD	VILLAGE LIMITS	510	22	1272	UNKNOWN	3	NO RIBBON
9	ECHO LAKE RD	OLD MCHENRY RD	STONE CREEK RD	1055	25	2990	UNKNOWN	3	CURB AND GUTTER
9	ECHO LAKE RD	STONE CREEK RD	MILLER RD	485	23	1265	2000	5	NO RIBBON
18	EDWARD LN	MARK DR	EAST CDS	500	22	1747	2008	4	RIBBON
11	ELDERBERRY DR	MIDDLETREE LN	EAST END	722	22	1801	2009	5	RIBBON
4	ELM ST	DARLINGTON DR	LAGOON DR	2411	22	6012	2001	7	NO RIBBON
9	ELMWOOD DR	MILLER RD	NORTH CDS	653	22	1629	2002	6	RIBBON
24	EMPRESS DR	ENSELL RD	CATALPA DR	2400	24	6528	UNKNOWN	2	CURB AND GUTTER
18	ENCLAVE WAY	JOHN DR	SOUTH CDS	407	24	2078	2009	6	RIBBON
24	ENSELL RD	QUENTIN RD	ALDER CT	320	40	1451	UNKNOWN	2	CURB AND GUTTER
6	EQUESTRIAN WAY	NORTH TRAIL	450' S OF MOOREGATE TR	1825	22	4751	2006	4	CURB AND GUTTER
6	EQUESTRIAN WAY	SOUTH CDS	450' S OF MOOREGATE TR	450	22	1822	UNKNOWN	5	NO RIBBON
18	ESSEX CT	MARK DR	EAST CDS	300	22	1418	2008	4	RIBBON
24	EXECUTIVE DR	COMMONS CIR	BUSINESS PARK	450	25	1275	UNKNOWN	1	CURB AND GUTTER
22	FALCON DR	PEREGRINE LN	MEADOWLARK DR	2490	22	6209	2003	5	RIBBON
5	FALKIRK RD	LAGOON DR	CARLISLE RD	789	22	1968	1997	5	NO RIBBON
19	FALKIRK RD	DARLINGTON DR	CARLISLE RD	941	22	2347	2003	6	RIBBON
22	FOREST VIEW DR	KRUCKENBERG RD	DEERFIELD DR	1400	22	3491	UNKNOWN	5	CURB AND GUTTER
6	FOX HUNT CT	FOX HUNT TR	EAST CDS	250	22.5	1548	2004	5	RIBBON
6	FOX HUNT TR	PHEASANT RUN RD	OLD MCHENRY RD	1000	22	2494	2004	5	RIBBON
1	FOXTAIL RD	SQUIRE RD	EAST CDS	1050	22	2618	2002	6	NO RIBBON
13	FURLONG DR	NORTH TRAIL	EAST END	535	22	1334	2006	5	RIBBON
11	GENTRY DR	COPPERFIELD DR	BAGPIPE CT	1724	22	4299	2003	7	RIBBON
7	GINO LN	HAWTHORN GROVE DR	360' E OF HAWTHORN GROVE DR	1000	22	2494	2008	4	CURB AND GUTTER
21	GINO LN	360' E OF HAWTHORN GROVE DR	SAINT JOHN RD	1260	22	3142	2008	4	RIBBON
1	GLEN RD	LYNN DR	EAST CDS	855	22	2512	2006	5	RIBBON
1	GLEN RD	200' W OF ARTHUR CT	ORCHARD LN	1993	22	4970	1999	6	NO RIBBON
1	GLEN RD	SQUIRE RD	200' W OF ARTHUR CT	528	22	1317	1996	6	NO RIBBON
9	GLEN RD	ORCHARD LN	LYNN DR	1007	22	2511	2006	6	RIBBON
19	GLEN RD	DARLINGTON DR	CARLISLE RD	878	22	2190	2006	4	RIBBON
23	GOLDFINCH CT	MEADOWLARK DR	EAST CDS	324	22	1638	2003	5	RIBBON
23	GOLF CREST	S CDS	N CDS	795	25	2253	UNKNOWN	4	CURB AND GUTTER
12	GOVERNORS CT	OLIVERS WAY	WEST CDS	350	25	1922	UNKNOWN	5	CURB AND GUTTER
12	GOVERNORS WAY	230' EAST OF GENTRY DR	OLIVERS WAY	2090	25	5922	UNKNOWN	5	CURB AND GUTTER
12	GOVERNORS WAY	GENTRY DR	230' EAST OF GENTRY DR	230	22	574	2003	7	RIBBON
21	GREENBRIAR LN	EAST CDS	WEST CDS	1671	22	5167	2008	5	RIBBON
25	GREENFIELD CT	DEERFIELD DR	NORTH CDS	350	22	873	UNKNOWN	5	CURB AND GUTTER
18	HAMPTON LN	MARK DR	EAST CDS	295	22	1436	2008	4	RIBBON

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - STREETS ALPHABETIZED

EXHIBIT 3B
JUNE 19, 2023
ROADWAYS BASED ON STREETS ALPHABETIZED

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
7	HARRINGTON CT	HAWTHORN GROVE DR	WEST CDS	975	22	2431	UNKNOWN	6	CURB AND GUTTER
20	HARVARD LN	CAMBRIDGE DR	CAMBRIDGE DR	1278	22	3187	2008	4	RIBBON
9	HARVEST GLEN CT	STONE CREEK RD	SOUTH CDS	400	22	2048	2009	5	RIBBON
14	HAWTHORN COMMUNITY PARK					5468	UNKNOWN	9	LOT WITH CURB AND GUTTER
0	HAWTHORN DR	HICKORY RD	OLD MCHENRY RD	900	22	2244	2001	6	NO RIBBON
0	HAWTHORN DR	CIRCLE DR	VICTORIA LN	450	21	1071	2001	7	NO RIBBON
0	HAWTHORN DR	VICTORIA LN	HICKORY RD	305	21	726	2001	7	NO RIBBON
7	HAWTHORN GROVE CI	HAWTHORN GROVE DR	HAWTHORN GROVE DR	3100	22	7730	UNKNOWN	6	CURB AND GUTTER
7	HAWTHORN GROVE DR	GILMER RD	HAWTHORN GROVE CI	2300	22	5735	UNKNOWN	5	CURB AND GUTTER
25	HAWTHORN HILLS DR	BEVERLY LN	MIDLOTHIAN RD	3450	29	11339	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
16	HEATHER LN	QUENTIN RD	WEST CDS	1700	22	4239	2005	5	RIBBON
15	HERITAGE OAKS PARK			3900		13816	UNKNOWN	5	LOT WITH CURB AND GUTTER
18	HERON CT	DARLINGTON DR	EAST CDS	276	22	1109	2009	6	RIBBON
0	HICKORY LN	HAWTHORN DR	ELM ST	1033	22	2576	2001	9	NO RIBBON
12	HIGH POINT CI	HIGH POINT DR	EAST CDS	250	22	624	2006	6	RIBBON
12	HIGH POINT DR	BIRCH LAKES DR	NORTH CDS	1267	22	3160	2006	5	RIBBON
24	HIGHLAND DR	QUENTIN RD	CHESTNUT CT	704	26	2275	2009	6	CURB AND GUTTER
16	HIGHLAND TERRACE	HEATHER LN	MCGREGOR CT	555	22	1484	2005	5	RIBBON
19	HIGHVIEW CI	CARLISLE RD	CARLISLE RD	1777	22	5901	2003	6	RIBBON
21	HILLCREST DR	VILLAGE LIMIT	LAKEVIEW RD	426	22 to 55	2289	2007	4	CURB AND GUTTER
21	HILLTOP CT	OLD BARN RD	NORTH CDS	142	22	955	2007	4	RIBBON
15	HOLMES AVE	KATHY LN	FAIRFIELD RD	275	22.5	802	2004	5	RIBBON
2	INDIAN CREEK RD	GILMER RD	VILLAGE LIMIT	6635	21	17792	2004	7	RIBBON
16	IVY LN	ROSEWOOD DR	VILLAGE LIMIT	265	22	661	2007	5	RIBBON
5	JAMES CT	DARLINGTON RD	NORTH CDS	489	22	1220	1996	6	NO RIBBON
18	JAMES DR	MARK DR	JOHN DR	480	22	1197	2008	4	RIBBON
18	JAMES DR	DARLINGTON DR	JOHN DR	1158	22	2888	2009	6	RIBBON
18	JAMIE LN	MARK DR	TRENT RD	592	22	1477	2008	4	RIBBON
17	JANE CT	JEUL DR	SOUTH CDS	478	22	1192	2006	5	RIBBON
8	JESSICA CT	EAST CDS	JOSHUA DR	642	25	2969	UNKNOWN	6	CURB AND GUTTER
18	JOHN DR	DARLINGTON DR	ENCLAVE WAY	1894	22	4723	2009	6	RIBBON
8	JOSHUA DR	REGAN LN	RESERVE CT	1445	22	4433	2009	4	RIBBON
8	JOSHUA DR	RESERVE CT	SOUTH END	645	22	1609	2009	5	CURB AND GUTTER
5	JUEL CI	ELM ST	SOUTH CDS	498	22	1242	2001	7	NO RIBBON
17	JUEL DR	DARLINGTON DR	ELM ST	1606	22	4005	2006	5	RIBBON
21	KAREN CT	GINO LN	SOUTH CDS	215	22	1257	2008	4	RIBBON
15	KATHY LN	EAST VILLAGE LIMIT	WEST CDS	2470	22.5	7399	2004	6	RIBBON
7	KENSINGTON CT	HAWTHORN GROVE DR	NORTH CDS	670	22	1671	UNKNOWN	6	CURB AND GUTTER
20	KEUKA CT	SENECA EAST AV	WEST CDS	185	22	1162	2009	5	RIBBON
10	KRUGER RD	FAIRFIELD RD	MIDLOTHIAN RD	1718	22	4284	UNKNOWN	10	NO RIBBON
23	LA VISTA DR	VILLAGE LIMIT	VILLAGE LIMIT	150	22	374	UNKNOWN	6	CURB AND GUTTER
17	LAGOON DR	WALNUT DR	FALKIRK RD	620	22	1546	2005	4	RIBBON
17	LAGOON DR	OLD MCHENRY RD	WALNUT DR	2770	22	6907	2005	5	RIBBON
17	LAGOON DR	FALKIRK RD	NORTH CDS	1467	22	3658	2003	5	RIBBON
21	LAKEVIEW RD	HILLCREST DR	OLD BARN RD	2196	22	5476	2007	5	RIBBON
1	LANCELOT LN	SQUIRE RD	GLEN RD	1220	22	3042	1999	6	NO RIBBON
18	LISA LN	MARK DR	EAST CDS	886	22	2473	2008	5	RIBBON
3	LYDIA CT	ACORN DR	EAST CDS	582	20	1920	2005	5	RIBBON
16	LYNN DR	GLEN RD	ROSEWOOD DR N	1017	22	2536	2007	5	RIBBON
16	LYNN DR	LAGOON DR	GLEN RD	3696	22	9216	2007	6	RIBBON
17	LYNN DR	HICKORY RD	LAGOON DR	793	21	1888	2005	6	RIBBON
21	MAGNOLIA PKWY	SAINT JOHN RD	WEST CDS	797	22	2568	2008	4	RIBBON
18	MARK DR	DARLINGTON DR	SOUTH CDS	5200	22	12966	2008	4	RIBBON
21	MARY LN	SAINT JOHN RD	WEST CDS	458	22	1742	2008	4	RIBBON
16	MCGREGOR CT	WEST CDS	PIPER LN	690	22	2571	2005	5	RIBBON
9	MEADOW LN NORTH	NORTH CDS	STONE CREEK DR	250	22	2124	2009	5	RIBBON
9	MEADOW LN SOUTH	SOUTH CDS	STONE CREEK DR	576	22	1437	2009	5	RIBBON
23	MEADOWLARK DR	SOUTH END	SCHWERMAN	2426	22	6049	2003	5	RIBBON
25	MELROSE PL	PACIFIC AVE	VILLAGE LIMITS	550	22	1372		2	CURB AND GUTTER
11	MIDDLETREE LN	SYCAMORE DR	SOUTH CDS	2056	22	5627	2009	5	RIBBON
9	MILLER RD	VILLAGE LIMIT	CREEK CROSSING NE OF BRECKENRIDGE DR	1700	22	4239	2002	6	NO RIBBON
9	MILTON RD	OLD MCHENRY RD	WINDING BRANCH RD	710	22	1771	2000	6	NO RIBBON
9	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	1165	22	2905	2000	6	NO RIBBON
9	MILTON RD	VILLAGE LIMIT	VILLAGE LIMIT	2165	22	5399	2000	6	NO RIBBON
9	MILTON RD	WINDING BRANCH RD	VILLAGE LIMIT	495	22	1235	2000	6	NO RIBBON
6	MOOREGATE TRAIL	WEST CDS	330' W OF EQUESTRIAN WAY	1750	21	4995	2000	5	NO RIBBON
6	MOOREGATE TRAIL	330' W OF EQUESTRIAN WAY	EQUESTRIAN WAY	330	25	935	UNKNOWN	5	CURB AND GUTTER
12	MULBERRY DR	315' E OF COPPERFIELD DR	OLD MCHENRY RD	1206	22	3007	2006	6	RIBBON
12	MULBERRY DR	COPPERFIELD DR	315' E OF COPPERFIELD DR	295	22	736	2003	7	RIBBON
24	NELSON LN	COMMONS CIR	COMMONS CIR	500	25	1417	UNKNOWN	1	CURB AND GUTTER
13	NEW HAVEN DR	COBBLEWOOD LN	VILLAGE LIMIT	443	22	1105	2007	4	RIBBON
18	NEWBURY CT	MARK DR	EAST CDS	300	22	1298	2008	4	RIBBON
18	NORBERT DR	DARLINGTON DR	JOHN DR	1844	22	4598	2009	6	RIBBON
24	NORTH ACACIA CT	ACACIA DR	ACACIA DR	150	24	408	UNKNOWN	1	CURB AND GUTTER
24	NORTH EMPRESS CT	EMPRESS DR	EMPRESS DR	125	25	355	UNKNOWN	2	CURB AND GUTTER
11	NORTH TRAIL	WESTWIND CT	SOUTH CDS	2827	22	7049	2007	5	RIBBON
13	NORTH TRAIL	NORTH CDS	FURLONG DR	3560	22	8877	2006	5	RIBBON
13	NORTH TRAIL	WESTWIND CT	FURLONG DR	1283	22	3199	2006	5	RIBBON
17	OAK LN	WEST END	CIRCLE DR	585	21	1393	2005	7	RIBBON
21	OLD BARN RD	HILLCREST DR	VILLAGE LIMIT	3302	22	8233	2007	4	RIBBON
12	OLD LAKE RD	38 OLD LAKE DR	EAST CDS	775	22	2633	2006	6	CURB AND GUTTER
12	OLD LAKE RD	MULBERRY DR	38 OLD LAKE DR	1566	22	3905	2006	6	RIBBON
11	OLIVERS WAY	GOVERNORS WAY	LACHANORA DR	776	26	2287	UNKNOWN	5	CURB AND GUTTER
20	ONEIDA LN	WASHITAY AV	SENECA WEST AV	1362	22	3396	2009	6	RIBBON
20	ONONDAGA DR	SENECA EAST AV	SENECA WEST AV	1556	22	3880	2006	6	RIBBON
17	ORCHARD LN	ROSEWOOD DR	LAGOON DR	1981	22	4940	2007	5	RIBBON
23	ORIOLE CT	MEADOWLARK DR	WEST CDS	274	22	1414	2003	5	RIBBON
11	OVERLOOK DR	DEER POINT DR	NORTH CDS	467	22	1165	2006	5	RIBBON
8	OWENS RD	SCHWERMAN RD	SOUTH CDS+C1:D1+D12	191	20	433	UNKNOWN	6	NO RIBBON
8	OWENS RD	GILMER RD	920' SOUTH OF GILMER RD	920	21	2400	2009	9	NO RIBBON
8	OWENS RD	920' S OF GILMER RD	1355' S OF GILMER RD	435	21	1036	UNKNOWN	10	NO RIBBON
8	OWENS RD	1355' S OF GILMER RD	SOUTH VILLAGE LIMIT	1480	21	3523	UNKNOWN	10	NO RIBBON
25	PACIFIC AVE	KRUCKENBERG RD	VILLAGE LIMITS	1850	22	4613		2	CURB AND GUTTER
13	PADDOCK CT	NORTH TRAIL	NORTH CDS	340	22	848	2006	4	RIBBON
25	PALISADES BLVD	BEVERLY LN	VILLAGE LIMITS	1750	22	4364		4	CURB AND GUTTER
16	PARK PLACE CI	PARK VIEW LN	END CDS	1040	25	2947	UNKNOWN	5	CURB AND GUTTER
16	PARK VIEW LN	OLD MCHENRY RD	EAST END	2000	21	5360	2007	5	CURB AND GUTTER
22	PEREGRINE LN	SOUTH CDS	WEST CDS	1950	22	6332	2003	6	RIBBON
13	PHEASANT RUN RD	THORNFIELD LN	THORNFIELD LN	3270	21.5	7968	2004	6	RIBBON
16	PIPER LN	MCGREGOR CT	HEATHER LN	1050	21.5	3409	2005	5	RIBBON
24	POTTERS	COMMONS CIR	COMMONS CIR	600	25	1700	UNKNOWN	1	CURB AND GUTTER
20	PRINCETON LN	CAMBRIDGE DR	NORTH CDS	708	22	2366	2007	4	RIBBON
14	PUBLIC WORKS FACILITY					2250	UNKNOWN	8	LOT
21	QUAIL HOLLOW CT	SOUTH CDS	NORTH CDS	500	22	1777	2007	4	RIBBON
11	REDWOOD LN	OLD MCHENRY RD	SYCAMORE DR	330	36	1272	2007	4	RIBBON
11	REDWOOD LN	NORTH TRAIL	OLD MCHENRY RD	231	35	917	2007	5	RIBBON
8	REED CT	REGAN LN	NORTH CDS	314	22	1683	2009	4	RIBBON
8	REGAN LN	GILMER RD	W. PRAIRIE CT	1336	22	3332	2009	4	RIBBON
8	RESERVE CT	JOSHUA DR	WEST CDS	665	22	1659	2009	4	RIBBON
18	ROBERT CT	MARK DR	EAST CDS	284	22	1049	2008	4	RIBBON
3	ROBIN CREST RD	EAST CDS	ACORN DR	370	21	1373	2005	5	RIBBON
3	ROBIN CREST RD	ACORN DR	BRUCE CI SOUTH	1340	21	3190	2005	5	RIBBON
24	ROMAN LANE (HT3)			1800	27	5508	NO SURFACE	2	CURB AND GUTTER
11	ROSE LN	OLIVERS WAY	EAST CDS	543	26	2581	UNKNOWN	5	CURB AND GUTTER
16	ROSEWOOD DR	280' W OF LYNN DR	NORTH END	2007	22	5505	2007	5	RIBBON
16	ROSEWOOD DR	LYNN DR	280' W OF LYNN DR	2360	22	6285	2007	5	RIBBON
2	RUTGERS CT	INDIAN CREEK RD	EAST CDS	1050	21	3518	2005	5	RIBBON
13	SADDLE RIDGE CT	EQUESTRIAN WAY	EAST CDS	650	22	1621	UNKNOWN	4	CURB AND GUTTER
21	SAINT JOHN DR	GILMER RD	GINO LN	752	22	1875	2008	4	RIBBON
21	SAINT JOHN DR	GINO LN	OLD BARN RD	2452	22	6114	2008	5	RIBBON
21	SAINT JOHN DR	GREENBRIAR LN	GILMER RD	740	22	1846	2008	5	RIBBON
23	SANDPIPER LN	WEST END	EAST CDS	987	22	3211	2003	5	RIBBON
23	SCARLET OAK DR	OWENS DR	GOLF CREST	593	25	1681	UNKNOWN	4	CURB AND GUTTER
23	SCHWERMAN RD	175' EAST OF MILTON	GILMER RD	4842	22	15073	2018	2	UNDER CONSTRUCTION
23	SCHWERMAN RD	OWENS DR	175' EAST OF MILTON	1066	22	2658	2018	2	UNDER CONSTRUCTION
20	SENECA EAST AV	WASHITAY AV	INDIAN CREEK	2095	22	5224	2009	6	RIBBON
20	SENECA WEST AV	INDIAN CREEK RD	WASHITAY AV	1763	22	4396	2006	7	RIBBON

VILLAGE OF HAWTHORN WOODS

PAVEMENT EVALUATION DATABASE - STREETS ALPHABETIZED

YEAR TO BE REPAIRED	STREET	TERMINI	TERMINI	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	LAST RESURFACE DATE	2023 PCI	DESCRIPTION
20	SENECA WEST AVE	SOUTH CDS	INDIAN CREEK RD	1443	22	4348	2003	6	RIBBON
2	SEQUOIA RD	BLACKHAWK RD	EAST CDS	945	22	2777	2005	5	RIBBON
2	SEQUOIA RD	GILMER RD	BLACKHAWK RD	2384	22	5974	1996	7	NO RIBBON
23	SHEARWATER CT	MEADOWLARK DR	WEST CDS	681	22	2448	2003	6	RIBBON
2	SHENANDOAH LN	SEQUOIA RD	NORTH CDS	675	22	2383	2005	5	RIBBON
25	SHERMAN CT	HAWTHORN HILLS DR	NORTH CDS	575	24	1564	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
25	SIERRA PL	HAWTHORN HILLS DR	SOUTH CDS	460	24	1855	UNKNOWN	1	CURB AND GUTTER, NO SURFACE
24	SOUTH EMPRESS CT	EMPRESS DR	EMPRESS DR	90	24	245	UNKNOWN	2	CURB AND GUTTER
25	SPRING CREEK CT	FOREST VIEW DR	EAST CDS	330	22	823	UNKNOWN	5	CURB AND GUTTER
1	SQUIRE RD	FOXTAIL RD	NORTH CDS	1570	22	3934	2002	5	NO RIBBON
1	SQUIRE RD	FOXTAIL RD	SOUTH END	2078	22	5207	2002	6	NO RIBBON
13	STEEPLECHASE DR	FURLONG DR	SOUTH CDS	1790	22	4464	2006	5	RIBBON
9	STONE CREEK RD	ECHO LAKE RD	EAST END	1395	22	3479	2009	5	RIBBON
19	STONE HAVEN DR	CARLISLE RD	DARLINGTON DR	948	22	2364	2003	5	RIBBON
24	STONEBRIDGE STREETS			2600	25	7367	UNKNOWN	1	UNBUILT
13	STONEY RIDGE CT	EQUESTRIAN WAY	END CDS	350	22	873	UNKNOWN	4	CURB AND GUTTER
21	SUNSET CT	OLD BARN RD	NORTH CDS	120	22	844	2007	4	RIBBON
11	SYCAMORE DR	NORTH CDS	SOUTH CDS	2521	22	6536	2007	5	RIBBON
3	TANGLEWOOD CT	TANGLEWOOD LN	NORTH CDS	426	22	1963	2005	5	RIBBON
3	TANGLEWOOD LN	BRIERWOODS LN	WEST END	726	22	1811	2005	4	RIBBON
6	THORNFIELD LN	MOOREGATE TRAIL	SOUTH CDS	424	22	1058	2000	5	NO RIBBON
13	THORNFIELD LN	PHEASANT RUN RD	NORTH CDS	725	22	2758	2005	5	RIBBON
13	THORNFIELD LN	PHEASANT RUN RD	MOOREGATE TRAIL	1093	22	2726	2009	5	RIBBON
18	TRENT RD	DARLINGTON DR	DARLINGTON DR	2165	21	5153	2005	4	RIBBON
19	UNIVERSITY CI	CARLISLE RD	CARLISLE RD	1500	22	4440	2008	5	RIBBON
17	VICTORIA LN	HAWTHORN DR	LAGOON DR	1057	21	2516	2005	7	RIBBON
17	VILLAGE HALL LOT					2720	UNKNOWN	6	LOT
25	VINE ST	PALISADE BLVD	PACIFIC AVE	650	22	1621		4	CURB AND GUTTER
22	W KRUCKENBERG RD	BEND	LIMIT	1050	22	2618	UNKNOWN	1	CURB AND GUTTER
22	W KRUCKENBERG RD	MIDLOTHIAN RD	BEND	1790	22	4464	UNKNOWN	2	NO RIBBON
20	WAKIA CT	SENECA WEST AV	EAST CDS	195	22	1187	2009	5	RIBBON
17	WALNUT DR	LAGOON DR	HICKORY RD	656	20	1487	2005	5	RIBBON
20	WASHITAY AV	SENECA WEST AV	SENECA EAST AV	1852	22	4618	2006	6	RIBBON
3	WAYNE LN	BRUCE CI	NORTH CDS	414	22	1683	2005	5	RIBBON
12	WEDGEWOOD DR	COPPERFIELD DR	COPPERFIELD DR	1458	22	3636	2003	7	RIBBON
24	WELLESEY CT	CHESTNUT CT	WEST CDS	105	22	1262	2009	6	CURB AND GUTTER
22	WEST PETER LN	CARDINAL DR	SOUTH CDS	1315	22	3279	UNKNOWN	2	CURB AND GUTTER, NO SURFACE
8	WEST PRAIRIE CT	REGAN LN	WEST CDS	705	22	2488	2009	4	RIBBON
13	WESTWIND CT	NORTH TRAIL	WEST CDS	595	22	2484	2006	4	RIBBON
15	WHITMAN TERRACE	KATHY LN	DAVID LN	1725	22	4301	2004	5	RIBBON
18	WILD WAY	MARK DR	WEST END	270	22	674	2008	4	RIBBON
13	WINDING BRANCH RD	MILTON RD	PHEASANT RUN RD	1425	21.5	3473	2004	5	RIBBON
13	WOODED LN	WINDING BRANCH RD	MILTON RD	525	21.5	1280	2004	5	RIBBON
20	YALE CT	HARVARD LN	EAST CDS	175	21.5	1367	2004	6	RIBBON

EXHIBIT #4
COST ESTIMATE AND SCHEDULE

2023 (YEAR 0) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00
35800100	PREPARATION OF BASE	SQ YD	$ 1.00
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00
*NA	STRIPING	L. SUM	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM	
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM	

FULL DEPTH		FULL DEPTH		FULL DEPTH		FULL DEPTH	
PCI=	7	PCI=	7	PCI=	6	PCI=	9
EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO
LENGTH =	450	LENGTH =	305	LENGTH =	900	LENGTH =	1,033
WIDTH =	21	WIDTH =	21	WIDTH =	22	WIDTH =	22
TOTAL AREA (SQ YD) =	1,071	TOTAL AREA (SQ YD) =	726	TOTAL AREA (SQ YD) =	2,244	TOTAL AREA (SQ YD) =	2,576
HAWTHORN DR (CIRCLE TO VICTORIA)		HAWTHORN DR (VICTORIA TO HICKORY)		HAWTHORN DR (HICKORY TO OLD MCHENRY)		HICKORY (HAWTHORN TO ELM)	
QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST

2023 STREET PROGRAM OPENED BIDS ON MAY 16, 2023. CONSTRUCTION CONTRACT AMOUNT PLUS CONSTRUCTION ENGINEERING IS APPROXIMATELY $562,000.

ROADWAY TOTAL =	$ 562,000.00

ROADWAY TOTAL =	$ 562,000.00
ROUTINE MAINTENANCE =	$ 70,000.00
2023 (YEAR 0) TOTAL	$ 632,000.00

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2024 (YEAR 1) STREETS

FULL DEPTH		GRIND & OVERLAY		FULL DEPTH		GRIND & OVERLAY		FULL DEPTH		FULL DEPTH	
PCI=	5	PCI=	6	PCI=	6	PCI=	6	PCI=	6	PCI=	6
EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO
LENGTH =	1,570	LENGTH =	1,993	LENGTH =	268	LENGTH =	2,078	LENGTH =	1,220	LENGTH =	1,050
WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22
TOTAL AREA (SQ YD) =	3,934	TOTAL AREA (SQ YD) =	4,970	TOTAL AREA (SQ YD) =	669	TOTAL AREA (SQ YD) =	5,207	TOTAL AREA (SQ YD) =	3,042	TOTAL AREA (SQ YD) =	2,618
SQUIRE (FOXTAIL TO N CDS)		GLEN RD (200' W. OF ARTHUR CT TO ORCHARD)		CATTAIL CT (FOXTAIL TO N CDS)		SQUIRE (FOXTAIL TO S END)		LANCELOT LN (SQUIRE TO GLEN)		FOXTAIL (SQUIRE TO E CDS)	
QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
66	$ 1,980.00	0	$ -	12	$ 360.00	0	$ -	51	$ 1,530.00	44	$ 1,320.00
197	$ 197.00	0	$ -	34	$ 34.00	0	$ -	153	$ 153.00	131	$ 131.00
66	$ 1,980.00	0	$ -	12	$ 360.00	0	$ -	51	$ 1,530.00	44	$ 1,320.00
0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
3,934	$ 3,934.00	0	$ -	669	$ 669.00	0	$ -	3,042	$ 3,042.00	2,618	$ 2,618.00
104	$ 2,080.00	0	$ -	18	$ 360.00	0	$ -	80	$ 1,600.00	69	$ 1,380.00
3,541	$ 3,541.00	4,473	$ 4,473.00	603	$ 603.00	4,687	$ 4,687.00	2,738	$ 2,738.00	2,357	$ 2,357.00
0	$ -	209	$ 17,765.00	0	$ -	219	$ 18,615.00	0	$ -	0	$ -
551	$ 44,080.00	0	$ -	94	$ 7,520.00	0	$ -	426	$ 34,080.00	367	$ 29,360.00
441	$ 35,280.00	418	$ 33,440.00	75	$ 6,000.00	438	$ 35,040.00	341	$ 27,280.00	294	$ 23,520.00
0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
0	$ -	4,970	$ 9,940.00	0	$ -	5,207	$ 10,414.00	0	$ -	0	$ -
3,934	$ 15,736.00	0	$ -	669	$ 2,676.00	0	$ -	3,042	$ 12,168.00	2,618	$ 10,472.00
0	$ -	100	$ 4,500.00	0	$ -	105	$ 4,725.00	0	$ -	0	$ -
524	$ 62,880.00	665	$ 79,800.00	90	$ 10,800.00	693	$ 83,160.00	407	$ 48,840.00	350	$ 42,000.00
0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
1	$ 5,408.17	1	$ 4,722.42	1	$ 925.53	1	$ 4,934.19	1	$ 4,188.27	1	$ 3,606.06
1	$ 5,408.17	1	$ 4,722.42	1	$ 925.53	1	$ 4,934.19	1	$ 4,188.27	1	$ 3,606.06
SUBTOTAL =	$ 171,688.00	SUBTOTAL =	$ 149,918.00	SUBTOTAL =	$ 29,382.00	SUBTOTAL =	$ 156,641.00	SUBTOTAL =	$ 132,961.00	SUBTOTAL =	$ 114,478.00
CONTINGENCY (5%) =	$ 8,584.40	CONTINGENCY (5%) =	$ 7,495.90	CONTINGENCY (5%) =	$ 1,469.10	CONTINGENCY (5%) =	$ 7,832.05	CONTINGENCY (5%) =	$ 6,648.05	CONTINGENCY (5%) =	$ 5,723.90
SUBTOTAL =	$ 180,272.40	SUBTOTAL =	$ 157,413.90	SUBTOTAL =	$ 30,851.10	SUBTOTAL =	$ 164,473.05	SUBTOTAL =	$ 139,609.05	SUBTOTAL =	$ 120,201.90
CONSTRUCTION TOTAL =	**$ 191,088.74**	**CONSTRUCTION TOTAL =**	**$ 166,858.73**	**CONSTRUCTION TOTAL =**	**$ 32,702.17**	**CONSTRUCTION TOTAL =**	**$ 174,341.43**	**CONSTRUCTION TOTAL =**	**$ 147,985.59**	**CONSTRUCTION TOTAL =**	**$ 127,414.01**
ENGINEERING =	$ 19,108.87	ENGINEERING =	$ 16,685.87	ENGINEERING =	$ 3,270.22	ENGINEERING =	$ 17,434.14	ENGINEERING =	$ 14,798.56	ENGINEERING =	$ 12,741.40
ROADWAY TOTAL =	**$ 210,197.62**	**ROADWAY TOTAL =**	**$ 183,544.61**	**ROADWAY TOTAL =**	**$ 35,972.38**	**ROADWAY TOTAL =**	**$ 191,775.58**	**ROADWAY TOTAL =**	**$ 162,784.15**	**ROADWAY TOTAL =**	**$ 140,155.42**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2024 (YEAR 1) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	FULL DEPTH PCI= 6 EXISTING RIBBON= NO LENGTH = 500 WIDTH = 22 TOTAL AREA (SQ YD) = 1,247 ARTHUR CT (GLEN TO S CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 855 WIDTH = 22 TOTAL AREA (SQ YD) = 2,512 GLEN RD (LYNN TO E CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= NO LENGTH = 528 WIDTH = 22 TOTAL AREA (SQ YD) = 1,317 GLEN RD (SQUIRE TO 200' W. OF ARTHUR) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	21	$ 630.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	63	$ 63.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	21	$ 630.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	1,247	$ 1,247.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	33	$ 660.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,123	$ 1,123.00	2,261	$ 2,261.00	1,186	$ 1,186.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	106	$ 9,010.00	56	$ 4,760.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	175	$ 14,000.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	140	$ 11,200.00	212	$ 16,960.00	111	$ 8,880.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	2,512	$ 5,024.00	1,317	$ 2,634.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	1,247	$ 4,988.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	51	$ 2,295.00	27	$ 1,215.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	167	$ 20,040.00	0	$ -	176	$ 21,120.00
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	3	$ 375.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,719.30	1	$ 1,131.64	1	$ 1,253.54
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,719.30	1	$ 1,131.64	1	$ 1,253.54
				SUBTOTAL =	$ 54,581.00	SUBTOTAL =	$ 35,925.00	SUBTOTAL =	$ 39,795.00
				CONTINGENCY (5%) =	$ 2,729.05	CONTINGENCY (5%) =	$ 1,796.25	CONTINGENCY (5%) =	$ 1,989.75
				SUBTOTAL =	$ 57,310.05	SUBTOTAL =	$ 37,721.25	SUBTOTAL =	$ 41,784.75
				CONSTRUCTION TOTAL =	**$ 60,748.65**	**CONSTRUCTION TOTAL =**	**$ 39,984.53**	**CONSTRUCTION TOTAL =**	**$ 44,291.84**
				ENGINEERING =	$ 6,074.87	ENGINEERING =	$ 3,998.45	ENGINEERING =	$ 4,429.18
				ROADWAY TOTAL =	**$ 66,823.52**	**ROADWAY TOTAL =**	**$ 43,982.98**	**ROADWAY TOTAL =**	**$ 48,721.02**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 1,084,000.00**
ROUTINE MAINTENANCE =	**$ 200,000.00**
2024 (YEAR 1) TOTAL	**$ 1,283,957.27**

2025 (YEAR 2) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	FULL DEPTH PCI= 8 EXISTING RIBBON= NO LENGTH = 857 WIDTH = 22 TOTAL AREA (SQ YD) = 2,137 BLACKHAWK (INDIAN CREEK TO SEQUOIA) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 6,635 WIDTH = 21 TOTAL AREA (SQ YD) = 17,792 INDIAN CREEK (GILMER TO VILLAGE LIMIT) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= NO LENGTH = 2,384 WIDTH = 22 TOTAL AREA (SQ YD) = 5,974 SEQUOIA RD (GILMER TO E SIDE BLACKHAWK) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 945 WIDTH = 22 TOTAL AREA (SQ YD) = 2,777 SEQUOIA RD (BLACKHAWK TO E CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 675 WIDTH = 22 TOTAL AREA (SQ YD) = 2,383 SHENANDOAH (SEQUOIA TO NORTH CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,050 WIDTH = 22 TOTAL AREA (SQ YD) = 3,518 RUTGERS (INDIAN CREEK TO E CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	36	$ 1,080.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	107	$ 107.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	36	$ 1,080.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	2,137	$ 2,137.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	57	$ 1,140.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,924	$ 1,924.00	16,013	$ 16,013.00	5,377	$ 5,377.00	2,500	$ 2,500.00	2,145	$ 2,145.00	3,167	$ 3,167.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	748	$ 63,580.00	251	$ 21,335.00	117	$ 9,945.00	101	$ 8,585.00	148	$ 12,580.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	300	$ 24,000.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	240	$ 19,200.00	1,495	$ 119,600.00	502	$ 40,160.00	234	$ 18,720.00	201	$ 16,080.00	296	$ 23,680.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	17,792	$ 35,584.00	5,974	$ 11,948.00	2,777	$ 5,554.00	2,383	$ 4,766.00	3,518	$ 7,036.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	2,137	$ 8,548.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	356	$ 16,020.00	120	$ 5,400.00	56	$ 2,520.00	48	$ 2,160.00	71	$ 3,195.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	381	$ 45,720.00	0	$ -	795	$ 95,400.00	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	23	$ 2,875.00	0	$ -	4	$ 500.00	3	$ 375.00	4	$ 500.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	1	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 3,305.48	1	$ 8,069.42	1	$ 5,658.03	1	$ 1,251.78	1	$ 1,074.50	1	$ 1,579.98
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 3,305.48	1	$ 8,069.42	1	$ 5,658.03	1	$ 1,251.78	1	$ 1,074.50	1	$ 1,579.98
				SUBTOTAL =	$ 104,936.00	SUBTOTAL =	$ 256,172.00	SUBTOTAL =	$ 179,620.00	SUBTOTAL =	$ 39,739.00	SUBTOTAL =	$ 34,111.00	SUBTOTAL =	$ 50,158.00
				CONTINGENCY (5%) =	$ 5,246.80	CONTINGENCY (5%) =	$ 12,808.60	CONTINGENCY (5%) =	$ 8,981.00	CONTINGENCY (5%) =	$ 1,986.95	CONTINGENCY (5%) =	$ 1,705.55	CONTINGENCY (5%) =	$ 2,507.90
				SUBTOTAL =	$ 110,182.80	SUBTOTAL =	$ 268,980.60	SUBTOTAL =	$ 188,601.00	SUBTOTAL =	$ 41,725.95	SUBTOTAL =	$ 35,816.55	SUBTOTAL =	$ 52,665.90
				CONSTRUCTION TOTAL =	**$ 116,793.77**	**CONSTRUCTION TOTAL =**	**$ 285,119.44**	**CONSTRUCTION TOTAL =**	**$ 199,917.06**	**CONSTRUCTION TOTAL =**	**$ 44,229.51**	**CONSTRUCTION TOTAL =**	**$ 37,965.54**	**CONSTRUCTION TOTAL =**	**$ 55,826.85**
				ENGINEERING =	$ 11,679.38	ENGINEERING =	$ 28,511.94	ENGINEERING =	$ 19,991.71	ENGINEERING =	$ 4,422.95	ENGINEERING =	$ 3,796.55	ENGINEERING =	$ 5,582.59
				ROADWAY TOTAL =	**$ 128,473.14**	**ROADWAY TOTAL =**	**$ 313,631.38**	**ROADWAY TOTAL =**	**$ 219,908.77**	**ROADWAY TOTAL =**	**$ 48,652.46**	**ROADWAY TOTAL =**	**$ 41,762.10**	**ROADWAY TOTAL =**	**$ 61,408.44**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 814,000.00**
ROUTINE MAINTENANCE =	**$ 200,000.00**
2025 (YEAR 2) TOTAL	**$ 1,014,000.00**

2026 (YEAR 3) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	FULL DEPTH PCI= 6 EXISTING RIBBON= NO LENGTH = 1,830 WIDTH = 21 TOTAL AREA (SQ YD) = 4,356 ACORN DR (12 ACORN DR TO BRUCE CI S)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,791 WIDTH = 22 TOTAL AREA (SQ YD) = 4,466 BRIERWOODS LN (BRUCE TO VILLAGE LIMIT)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 300 WIDTH = 27 TOTAL AREA (SQ YD) = 918 BRIERWOODS CT (BRIERWOODS LN TO N CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,746 WIDTH = 22 TOTAL AREA (SQ YD) = 6,847 BRUCE CI N (WAYNE TO ACORN)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,035 WIDTH = 22 TOTAL AREA (SQ YD) = 2,731 ACORN (OLD MCHENRY TO 12 ACORN)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 580 WIDTH = 22 TOTAL AREA (SQ YD) = 1,647 ACORN (BRUCE CI S TO ROBIN CREST)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	73	$ 2,190.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	218	$ 218.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	73	$ 2,190.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	4,356	$ 4,356.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	115	$ 2,300.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,921	$ 3,921.00	4,020	$ 4,020.00	827	$ 827.00	6,163	$ 6,163.00	2,458	$ 2,458.00	1,483	$ 1,483.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	188	$ 15,980.00	39	$ 3,315.00	288	$ 24,480.00	115	$ 9,775.00	70	$ 5,950.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	610	$ 48,800.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	488	$ 39,040.00	376	$ 30,080.00	78	$ 6,240.00	576	$ 46,080.00	230	$ 18,400.00	139	$ 11,120.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	4,466	$ 8,932.00	918	$ 1,836.00	6,847	$ 13,694.00	2,731	$ 5,462.00	1,647	$ 3,294.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	4,356	$ 17,424.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	90	$ 4,050.00	19	$ 855.00	137	$ 6,165.00	55	$ 2,475.00	33	$ 1,485.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	610	$ 73,200.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	6	$ 750.00	1	$ 125.00	10	$ 1,250.00	4	$ 500.00	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 6,099.63	1	$ 2,010.08	1	$ 415.74	1	$ 3,081.71	1	$ 1,230.71	1	$ 742.83
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 6,099.63	1	$ 2,010.08	1	$ 415.74	1	$ 3,081.71	1	$ 1,230.71	1	$ 742.83
					SUBTOTAL = $ 193,639.00		SUBTOTAL = $ 63,812.00		SUBTOTAL = $ 13,198.00		SUBTOTAL = $ 97,832.00		SUBTOTAL = $ 39,070.00		SUBTOTAL = $ 23,582.00
					CONTINGENCY (5%) = $ 9,681.95		CONTINGENCY (5%) = $ 3,190.60		CONTINGENCY (5%) = $ 659.90		CONTINGENCY (5%) = $ 4,891.60		CONTINGENCY (5%) = $ 1,953.50		CONTINGENCY (5%) = $ 1,179.10
					SUBTOTAL = $ 203,320.95		SUBTOTAL = $ 67,002.60		SUBTOTAL = $ 13,857.90		SUBTOTAL = $ 102,723.60		SUBTOTAL = $ 41,023.50		SUBTOTAL = $ 24,761.10
					CONSTRUCTION TOTAL = $ 215,520.21		**CONSTRUCTION TOTAL = $ 71,022.76**		**CONSTRUCTION TOTAL = $ 14,689.37**		**CONSTRUCTION TOTAL = $ 108,887.02**		**CONSTRUCTION TOTAL = $ 43,484.91**		**CONSTRUCTION TOTAL = $ 26,246.77**
					ENGINEERING = $ 21,552.02		ENGINEERING = $ 7,102.28		ENGINEERING = $ 1,468.94		ENGINEERING = $ 10,888.70		ENGINEERING = $ 4,348.49		ENGINEERING = $ 2,624.68
					ROADWAY TOTAL = $ 237,072.23		**ROADWAY TOTAL = $ 78,125.03**		**ROADWAY TOTAL = $ 16,158.31**		**ROADWAY TOTAL = $ 119,775.72**		**ROADWAY TOTAL = $ 47,833.40**		**ROADWAY TOTAL = $ 28,871.44**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2026 (YEAR 3) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= NO LENGTH = 1,345 WIDTH = 22 TOTAL AREA (SQ YD) = 3,354 BRUCE CI S (BRUCE CI N TO ACORN)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,055 WIDTH = 22 TOTAL AREA (SQ YD) = 2,631 BRUCE CI (WAYNE TO S CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 414 WIDTH = 22 TOTAL AREA (SQ YD) = 1,683 WAYNE LN (BRUCE CI TO N CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 426 WIDTH = 22 TOTAL AREA (SQ YD) = 1,963 TANGLEWOOD CT (TANGLEWOOD LN TO N. CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 726 WIDTH = 22 TOTAL AREA (SQ YD) = 1,811 TANGLEWOOD LN (BRIERWOODS LN TO W. END)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,340 WIDTH = 21 TOTAL AREA (SQ YD) = 3,190 ROBIN CREST (ACORN TO BRUCE CI S)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,019	$ 3,019.00	2,368	$ 2,368.00	1,515	$ 1,515.00	1,767	$ 1,767.00	1,630	$ 1,630.00	2,871	$ 2,871.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	141	$ 11,985.00	111	$ 9,435.00	71	$ 6,035.00	83	$ 7,055.00	77	$ 6,545.00	134	$ 11,390.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	282	$ 22,560.00	222	$ 17,760.00	142	$ 11,360.00	165	$ 13,200.00	153	$ 12,240.00	268	$ 21,440.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,354	$ 6,708.00	2,631	$ 5,262.00	1,683	$ 3,366.00	1,963	$ 3,926.00	1,811	$ 3,622.00	3,190	$ 6,380.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	68	$ 3,060.00	53	$ 2,385.00	34	$ 1,530.00	40	$ 1,800.00	37	$ 1,665.00	64	$ 2,880.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	449	$ 53,880.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	4	$ 500.00	2	$ 250.00	2	$ 250.00	4	$ 500.00	5	$ 625.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 3,188.18	1	$ 1,187.87	1	$ 757.76	1	$ 881.94	1	$ 825.36	1	$ 1,435.96		
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 3,188.18	1	$ 1,187.87	1	$ 757.76	1	$ 881.94	1	$ 825.36	1	$ 1,435.96		
					SUBTOTAL = $ 101,212.00		SUBTOTAL = $ 37,710.00		SUBTOTAL = $ 24,056.00		SUBTOTAL = $ 27,998.00		SUBTOTAL = $ 26,202.00		SUBTOTAL = $ 45,586.00		
					CONTINGENCY (5%) = $ 5,060.60		CONTINGENCY (5%) = $ 1,885.50		CONTINGENCY (5%) = $ 1,202.80		CONTINGENCY (5%) = $ 1,399.90		CONTINGENCY (5%) = $ 1,310.10		CONTINGENCY (5%) = $ 2,279.30		
					SUBTOTAL = $ 106,272.60		SUBTOTAL = $ 39,595.50		SUBTOTAL = $ 25,258.80		SUBTOTAL = $ 29,397.90		SUBTOTAL = $ 27,512.10		SUBTOTAL = $ 47,865.30		
					CONSTRUCTION TOTAL = $ 112,648.96		**CONSTRUCTION TOTAL = $ 41,971.23**		**CONSTRUCTION TOTAL = $ 26,774.33**		**CONSTRUCTION TOTAL = $ 31,161.77**		**CONSTRUCTION TOTAL = $ 29,162.83**		**CONSTRUCTION TOTAL = $ 50,737.22**		
					ENGINEERING = $ 11,264.90		ENGINEERING = $ 4,197.12		ENGINEERING = $ 2,677.43		ENGINEERING = $ 3,116.18		ENGINEERING = $ 2,916.28		ENGINEERING = $ 5,073.72		
					ROADWAY TOTAL = $ 123,913.85		**ROADWAY TOTAL = $ 46,168.35**		**ROADWAY TOTAL = $ 29,451.76**		**ROADWAY TOTAL = $ 34,277.95**		**ROADWAY TOTAL = $ 32,079.11**		**ROADWAY TOTAL = $ 55,810.94**		

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2026 (YEAR 3) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 582 WIDTH = 20 TOTAL AREA (SQ YD) = 1,920 LYDIA (ACORN TO EAST CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 370 WIDTH = 22 TOTAL AREA (SQ YD) = 1,373 ROBIN CREST (EAST CDS TO ACORN DR) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 658 WIDTH = 21 TOTAL AREA (SQ YD) = 1,967 ECHO CT (ACORN TO SOUTH CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,728	$ 1,728.00	1,236	$ 1,236.00	1,771	$ 1,771.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	81	$ 6,885.00	58	$ 4,930.00	83	$ 7,055.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	162	$ 12,960.00	116	$ 9,280.00	166	$ 13,280.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,920	$ 3,840.00	1,373	$ 2,746.00	1,967	$ 3,934.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	39	$ 1,755.00	28	$ 1,260.00	40	$ 1,800.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	2	$ 250.00	2	$ 250.00	3	$ 375.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 863.67	1	$ 620.61	1	$ 888.77
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 863.67	1	$ 620.61	1	$ 888.77
				SUBTOTAL =	$ 27,418.00	SUBTOTAL =	$ 19,702.00	SUBTOTAL =	$ 28,215.00
				CONTINGENCY (5%) =	$ 1,370.90	CONTINGENCY (5%) =	$ 985.10	CONTINGENCY (5%) =	$ 1,410.75
				SUBTOTAL =	$ 28,788.90	SUBTOTAL =	$ 20,687.10	SUBTOTAL =	$ 29,625.75
				CONSTRUCTION TOTAL =	**$ 30,516.23**	**CONSTRUCTION TOTAL =**	**$ 21,928.33**	**CONSTRUCTION TOTAL =**	**$ 31,403.30**
				ENGINEERING =	$ 3,051.62	ENGINEERING =	$ 2,192.83	ENGINEERING =	$ 3,140.33
				ROADWAY TOTAL =	**$ 33,567.86**	**ROADWAY TOTAL =**	**$ 24,121.16**	**ROADWAY TOTAL =**	**$ 34,543.62**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 942,000.00**
ROUTINE MAINTENANCE =	**$ 200,000.00**
2026 (YEAR 3) TOTAL	**$ 1,142,000.00**

2027 (YEAR 4) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	FULL DEPTH PCI= 7 EXISTING RIBBON= NO LENGTH = 2,411 WIDTH = 22 TOTAL AREA (SQ YD) = 6,012 ELM (DARLINGTON TO LAGOON) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	101	$ 3,030.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	301	$ 301.00
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	101	$ 3,030.00
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	6,012	$ 6,012.00
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	158	$ 3,160.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	5,411	$ 5,411.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	842	$ 67,360.00
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	674	$ 53,920.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	6,012	$ 24,048.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	804	$ 96,480.00
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	50	$ 5,500.00
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 8,449.94
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 8,449.94
				SUBTOTAL =	$ 268,252.00
				CONTINGENCY (5%) =	$ 13,412.60
				SUBTOTAL =	$ 281,664.60
				CONSTRUCTION TOTAL =	**$ 298,564.48**
				ENGINEERING =	$ 29,856.45
				ROADWAY TOTAL =	**$ 328,420.92**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 329,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2027 (YEAR 4) TOTAL	**$ 629,000.00**

2028 (YEAR 5) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= NO LENGTH = 498 WIDTH = 22 TOTAL AREA (SQ YD) = 1,242 JUEL CIRCLE (ELM TO S CDS)		FULL DEPTH PCI= 5 EXISTING RIBBON= NO LENGTH = 789 WIDTH = 22 TOTAL AREA (SQ YD) = 1,968 FALKIRK (LAGOON TO CARLISLE)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= NO LENGTH = 1,729 WIDTH = 22 TOTAL AREA (SQ YD) = 4,311 CARLISLE (FALKIRK TO GLEN)		FULL DEPTH PCI= 6 EXISTING RIBBON= NO LENGTH = 489 WIDTH = 22 TOTAL AREA (SQ YD) = 1,220 JAMES CT (DARLINGTON TO N CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	33	$ 990.00	0	$ -	21	$ 630.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	99	$ 99.00	0	$ -	61	$ 61.00
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	33	$ 990.00	0	$ -	21	$ 630.00
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	1,968	$ 1,968.00	0	$ -	1,220	$ 1,220.00
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	52	$ 1,040.00	0	$ -	33	$ 660.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,118	$ 1,118.00	1,772	$ 1,772.00	3,880	$ 3,880.00	1,098	$ 1,098.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	53	$ 4,505.00	0	$ -	182	$ 15,470.00	0	$ -
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	276	$ 22,080.00	0	$ -	171	$ 13,680.00
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	105	$ 8,400.00	221	$ 17,680.00	363	$ 29,040.00	137	$ 10,960.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,242	$ 2,484.00	0	$ -	4,311	$ 8,622.00	0	$ -
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	1,968	$ 7,872.00	0	$ -	1,220	$ 4,880.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	25	$ 1,125.00	0	$ -	87	$ 3,915.00	0	$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	263	$ 31,560.00	577	$ 69,240.00	163	$ 19,560.00
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	2	$ 250.00	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 563.28	1	$ 2,710.61	1	$ 4,100.26	1	$ 1,681.44
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 563.28	1	$ 2,710.61	1	$ 4,100.26	1	$ 1,681.44
				SUBTOTAL =	$ 17,882.00	SUBTOTAL =	$ 86,051.00	SUBTOTAL =	$ 130,167.00	SUBTOTAL =	$ 53,379.00
				CONTINGENCY (5%) =	$ 894.10	CONTINGENCY (5%) =	$ 4,302.55	CONTINGENCY (5%) =	$ 6,508.35	CONTINGENCY (5%) =	$ 2,668.95
				SUBTOTAL =	$ 18,776.10	SUBTOTAL =	$ 90,353.55	SUBTOTAL =	$ 136,675.35	SUBTOTAL =	$ 56,047.95
				CONSTRUCTION TOTAL =	**$ 19,902.67**	**CONSTRUCTION TOTAL =**	**$ 95,774.76**	**CONSTRUCTION TOTAL =**	**$ 144,875.87**	**CONSTRUCTION TOTAL =**	**$ 59,410.83**
				ENGINEERING =	$ 1,990.27	ENGINEERING =	$ 9,577.48	ENGINEERING =	$ 14,487.59	ENGINEERING =	$ 5,941.08
				ROADWAY TOTAL =	**$ 21,892.93**	**ROADWAY TOTAL =**	**$ 105,352.24**	**ROADWAY TOTAL =**	**$ 159,363.46**	**ROADWAY TOTAL =**	**$ 65,351.91**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 352,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2028 (YEAR 5) TOTAL	**$ 652,000.00**

2029 (YEAR 6) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= NO LENGTH = 1,750 WIDTH = 21 TOTAL AREA (SQ YD) = 4,995 MOOREGATE TR (330' W/EQUESTRIAN TO W CDS)		FULL DEPTH PCI= 5 EXISTING RIBBON= NO LENGTH = 450 WIDTH = 22 TOTAL AREA (SQ YD) = 1,822 EQUESTRIAN WAY (450' S/MOOREGATE TO S CDS)		FULL DEPTH PCI= 5 EXISTING RIBBON= NO LENGTH = 424 WIDTH = 22 TOTAL AREA (SQ YD) = 1,058 THORNFIELD (MOOREGATE TO SOUTH CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= C+G LENGTH = 1,825 WIDTH = 22 TOTAL AREA (SQ YD) = 4,751 EQUESTRIAN WAY (NORTH TRAIL TO 450' S/MOOREGATE)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 330 WIDTH = 25 TOTAL AREA (SQ YD) = 935 MOOREGATE TR (330' W/EQUESTRIAN TO EQUESTRIAN)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 580 WIDTH = 22 TOTAL AREA (SQ YD) = 2,077 BIXTONE (OLD MCHENRY TO NORTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	31	$ 930.00	18	$ 540.00	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	92	$ 92.00	53	$ 53.00	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	31	$ 930.00	18	$ 540.00	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	1,822	$ 1,822.00	1,058	$ 1,058.00	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	48	$ 960.00	28	$ 560.00	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	4,496	$ 4,496.00	1,640	$ 1,640.00	953	$ 953.00	4,276	$ 4,276.00	842	$ 842.00	1,870	$ 1,870.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	210	$ 17,850.00	0	$ -	0	$ -	200	$ 17,000.00	40	$ 3,400.00	88	$ 7,480.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	256	$ 20,480.00	149	$ 11,920.00	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	420	$ 33,600.00	205	$ 16,400.00	119	$ 9,520.00	400	$ 32,000.00	79	$ 6,320.00	175	$ 14,000.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,995	$ 9,990.00	0	$ -	0	$ -	4,751	$ 9,502.00	935	$ 1,870.00	2,077	$ 4,154.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	1,822	$ 7,288.00	1,058	$ 4,232.00	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	100	$ 4,500.00	0	$ -	0	$ -	96	$ 4,320.00	19	$ 855.00	42	$ 1,890.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	584	$ 70,080.00	150	$ 18,000.00	142	$ 17,040.00	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	50	$ 5,500.00
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	73	$ 2,555.00	14	$ 490.00	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 4,426.25	1	$ 2,159.07	1	$ 1,462.10	1	$ 2,194.07	1	$ 433.98	1	$ 1,107.04
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 4,426.25	1	$ 2,159.07	1	$ 1,462.10	1	$ 2,194.07	1	$ 433.98	1	$ 1,107.04
				SUBTOTAL =	$ 140,516.00	SUBTOTAL =	$ 68,542.00	SUBTOTAL =	$ 46,416.00	SUBTOTAL =	$ 69,653.00	SUBTOTAL =	$ 13,777.00	SUBTOTAL =	$ 35,144.00
				CONTINGENCY (5%) =	$ 7,025.80	CONTINGENCY (5%) =	$ 3,427.10	CONTINGENCY (5%) =	$ 2,320.80	CONTINGENCY (5%) =	$ 3,482.65	CONTINGENCY (5%) =	$ 688.85	CONTINGENCY (5%) =	$ 1,757.20
				SUBTOTAL =	$ 147,541.80	SUBTOTAL =	$ 71,969.10	SUBTOTAL =	$ 48,736.80	SUBTOTAL =	$ 73,135.65	SUBTOTAL =	$ 14,465.85	SUBTOTAL =	$ 36,901.20
				CONSTRUCTION TOTAL =	**$ 156,394.31**	**CONSTRUCTION TOTAL =**	**$ 76,287.25**	**CONSTRUCTION TOTAL =**	**$ 51,661.01**	**CONSTRUCTION TOTAL =**	**$ 77,523.79**	**CONSTRUCTION TOTAL =**	**$ 15,333.80**	**CONSTRUCTION TOTAL =**	**$ 39,115.27**
				ENGINEERING =	$ 15,639.43	ENGINEERING =	$ 7,628.72	ENGINEERING =	$ 5,166.10	ENGINEERING =	$ 7,752.38	ENGINEERING =	$ 1,533.38	ENGINEERING =	$ 3,911.53
				ROADWAY TOTAL =	**$ 172,033.74**	**ROADWAY TOTAL =**	**$ 83,915.97**	**ROADWAY TOTAL =**	**$ 56,827.11**	**ROADWAY TOTAL =**	**$ 85,276.17**	**ROADWAY TOTAL =**	**$ 16,867.18**	**ROADWAY TOTAL =**	**$ 43,026.80**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2029 (YEAR 6) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 680 WIDTH = 22 TOTAL AREA (SQ YD) = 2,696 BENT TREE (FOX HUNT TO WEST CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,000 WIDTH = 22 TOTAL AREA (SQ YD) = 2,494 FOX HUNT TR. (PHEASANT RUN TO OLD MCHENRY) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 250 WIDTH = 22.5 TOTAL AREA (SQ YD) = 1,548 FOX HUNT CT (FOX HUNT TR TO EAST CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,427	$ 2,427.00	2,245	$ 2,245.00	1,394	$ 1,394.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	114	$ 9,690.00	105	$ 8,925.00	66	$ 5,610.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	227	$ 18,160.00	210	$ 16,800.00	131	$ 10,480.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,696	$ 5,392.00	2,494	$ 4,988.00	1,548	$ 3,096.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	54	$ 2,430.00	50	$ 2,250.00	31	$ 1,395.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	4	$ 500.00	5	$ 625.00	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,215.87	1	$ 1,128.74	1	$ 700.09
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,215.87	1	$ 1,128.74	1	$ 700.09
				SUBTOTAL =	$ 38,599.00	SUBTOTAL =	$ 35,833.00	SUBTOTAL =	$ 22,225.00
				CONTINGENCY (5%) =	$ 1,929.95	CONTINGENCY (5%) =	$ 1,791.65	CONTINGENCY (5%) =	$ 1,111.25
				SUBTOTAL =	$ 40,528.95	SUBTOTAL =	$ 37,624.65	SUBTOTAL =	$ 23,336.25
				CONSTRUCTION TOTAL =	**$ 42,960.69**	**CONSTRUCTION TOTAL =**	**$ 39,882.13**	**CONSTRUCTION TOTAL =**	**$ 24,736.43**
				ENGINEERING =	$ 4,296.07	ENGINEERING =	$ 3,988.21	ENGINEERING =	$ 2,473.64
				ROADWAY TOTAL =	**$ 47,256.76**	**ROADWAY TOTAL =**	**$ 43,870.34**	**ROADWAY TOTAL =**	**$ 27,210.07**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 577,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2029 (YEAR 6) TOTAL =	**$ 877,000.00**

2030 (YEAR 7) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 2,300 WIDTH = 22 TOTAL AREA (SQ YD) = 5,735 HAWTHORN GR DR (GILMER TO HAWTHORN GR CI) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 3,100 WIDTH = 22 TOTAL AREA (SQ YD) = 7,730 HAWTHORN GROVE CI (HAWTHORN GR DR TO HAWTHORN GR DR) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 4 EXISTING RIBBON= C+G LENGTH = 1,000 WIDTH = 22 TOTAL AREA (SQ YD) = 2,494 GINO (HAWTHORN TO 360' E/HAWTHORN) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 670 WIDTH = 22 TOTAL AREA (SQ YD) = 1,671 KENSINGTON CT (HAWTHORN GR DR TO N CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 430 WIDTH = 22 TOTAL AREA (SQ YD) = 1,073 CHARLESTON CT (HAWTHORN GR TO S CDS) QUANTITY	TOTAL COST	FULL DEPTH PCI= 6 EXISTING RIBBON= C+G LENGTH = 975 WIDTH = 22 TOTAL AREA (SQ YD) = 2,431 HARRINGTON CT (HAWTHORN GROVE TO W CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	41	$ 1,230.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	122	$ 122.00
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	41	$ 1,230.00
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	2,431	$ 2,431.00
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	64	$ 1,280.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	5,162	$ 5,162.00	6,957	$ 6,957.00	2,245	$ 2,245.00	1,504	$ 1,504.00	966	$ 966.00	2,188	$ 2,188.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	241	$ 20,485.00	325	$ 27,625.00	105	$ 8,925.00	71	$ 6,035.00	46	$ 3,910.00	0	$ -
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	341	$ 27,280.00
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	482	$ 38,560.00	650	$ 52,000.00	210	$ 16,800.00	141	$ 11,280.00	91	$ 7,280.00	273	$ 21,840.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	5,735	$ 11,470.00	7,730	$ 15,460.00	2,494	$ 4,988.00	1,671	$ 3,342.00	1,073	$ 2,146.00	0	$ -
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	2,431	$ 9,724.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	115	$ 5,175.00	155	$ 6,975.00	50	$ 2,250.00	34	$ 1,530.00	22	$ 990.00	0	$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	92	$ 3,220.00	124	$ 4,340.00	40	$ 1,400.00	27	$ 945.00	18	$ 630.00	1,950	$ 68,250.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,648.27	1	$ 3,570.75	1	$ 1,153.15	1	$ 776.03	1	$ 501.54	1	$ 4,270.61
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,648.27	1	$ 3,570.75	1	$ 1,153.15	1	$ 776.03	1	$ 501.54	1	$ 4,270.61
				SUBTOTAL =	$ 84,072.00	SUBTOTAL =	$ 113,357.00	SUBTOTAL =	$ 36,608.00	SUBTOTAL =	$ 24,636.00	SUBTOTAL =	$ 15,922.00	SUBTOTAL =	$ 135,575.00
				CONTINGENCY (5%) =	$ 4,203.60	CONTINGENCY (5%) =	$ 5,667.85	CONTINGENCY (5%) =	$ 1,830.40	CONTINGENCY (5%) =	$ 1,231.80	CONTINGENCY (5%) =	$ 796.10	CONTINGENCY (5%) =	$ 6,778.75
				SUBTOTAL =	$ 88,275.60	SUBTOTAL =	$ 119,024.85	SUBTOTAL =	$ 38,438.40	SUBTOTAL =	$ 25,867.80	SUBTOTAL =	$ 16,718.10	SUBTOTAL =	$ 142,353.75
				CONSTRUCTION TOTAL =	**$ 93,572.14**	**CONSTRUCTION TOTAL =**	**$ 126,166.34**	**CONSTRUCTION TOTAL =**	**$ 40,744.70**	**CONSTRUCTION TOTAL =**	**$ 27,419.87**	**CONSTRUCTION TOTAL =**	**$ 17,721.19**	**CONSTRUCTION TOTAL =**	**$ 150,894.98**
				ENGINEERING =	$ 9,357.21	ENGINEERING =	$ 12,616.63	ENGINEERING =	$ 4,074.47	ENGINEERING =	$ 2,741.99	ENGINEERING =	$ 1,772.12	ENGINEERING =	$ 15,089.50
				ROADWAY TOTAL =	**$ 102,929.35**	**ROADWAY TOTAL =**	**$ 138,782.98**	**ROADWAY TOTAL =**	**$ 44,819.17**	**ROADWAY TOTAL =**	**$ 30,161.85**	**ROADWAY TOTAL =**	**$ 19,493.30**	**ROADWAY TOTAL =**	**$ 165,984.47**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 503,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2030 (YEAR 7) TOTAL =	**$ 803,000.00**

2031 (YEAR 8) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	RECONSTRUCTION PCI= 10 EXISTING RIBBON= NO LENGTH = 1,480 WIDTH = 21 TOTAL AREA (SQ YD) = 3,523 OWENS RD (1355' S/GILMER TO VILLAGE LIMIT)		RECONSTRUCTION PCI= 10 EXISTING RIBBON= NO LENGTH = 435 WIDTH = 21 TOTAL AREA (SQ YD) = 1,036 OWENS RD (920' S/GILMER TO 1355' S/GILMER)		RECONSTRUCTION PCI= 9 EXISTING RIBBON= NO / C+G LENGTH = 920 WIDTH = 21 TOTAL AREA (SQ YD) = 2,190 OWENS RD (GILMER TO 920' S/GILMER)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= NO LENGTH = 191 WIDTH = 20 TOTAL AREA (SQ YD) = 433 OWENS RD (SCHWERMAN TO VILLAGE LIMIT)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 645 WIDTH = 22 TOTAL AREA (SQ YD) = 1,609 JOSHUA (RESERVE TO S END)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 665 WIDTH = 22 TOTAL AREA (SQ YD) = 1,659 RESERVE CT (JOSHUA TO WEST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	59	$ 1,770.00	18	$ 540.00	37	$ 1,110.00	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	177	$ 177.00	52	$ 52.00	110	$ 110.00	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	59	$ 1,770.00	18	$ 540.00	37	$ 1,110.00	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	3,523	$ 35,230.00	1,036	$ 10,360.00	2,190	$ 21,900.00	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,171	$ 3,171.00	933	$ 933.00	1,971	$ 1,971.00	390	$ 390.00	1,449	$ 1,449.00	1,494	$ 1,494.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	0	$ -	0	$ -	19	$ 1,615.00	68	$ 5,780.00	70	$ 5,950.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	691	$ 55,280.00	204	$ 16,320.00	430	$ 34,400.00	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	395	$ 31,600.00	117	$ 9,360.00	246	$ 19,680.00	37	$ 2,960.00	136	$ 10,880.00	140	$ 11,200.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	3,523	$ 52,845.00	1,036	$ 15,540.00	2,190	$ 32,850.00	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	0	$ -	0	$ -	433	$ 866.00	1,609	$ 3,218.00	1,659	$ 3,318.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	0	$ -	0	$ -	9	$ 405.00	33	$ 1,485.00	34	$ 1,530.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	494	$ 59,280.00	145	$ 17,400.00	0	$ -	85	$ 10,200.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	3	$ 375.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	1,840	$ 64,400.00	0	$ -	13	$ 455.00	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 7,674.12	1	$ 2,494.08	1	$ 5,670.98	1	$ 596.48	1	$ 732.91	1	$ 751.81
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 7,674.12	1	$ 2,494.08	1	$ 5,670.98	1	$ 596.48	1	$ 732.91	1	$ 751.81
				SUBTOTAL =	$ 243,623.00	SUBTOTAL =	$ 73,545.00	SUBTOTAL =	$ 180,031.00	SUBTOTAL =	$ 18,936.00	SUBTOTAL =	$ 23,267.00	SUBTOTAL =	$ 23,867.00
				CONTINGENCY (5%) =	$ 12,181.15	CONTINGENCY (5%) =	$ 3,677.25	CONTINGENCY (5%) =	$ 9,001.55	CONTINGENCY (5%) =	$ 946.80	CONTINGENCY (5%) =	$ 1,163.35	CONTINGENCY (5%) =	$ 1,193.35
				SUBTOTAL =	$ 255,804.15	SUBTOTAL =	$ 77,222.25	SUBTOTAL =	$ 189,032.55	SUBTOTAL =	$ 19,882.80	SUBTOTAL =	$ 24,430.35	SUBTOTAL =	$ 25,060.35
				CONSTRUCTION TOTAL =	**$ 271,152.40**	**CONSTRUCTION TOTAL =**	**$ 82,210.40**	**CONSTRUCTION TOTAL =**	**$ 200,374.50**	**CONSTRUCTION TOTAL =**	**$ 21,075.77**	**CONSTRUCTION TOTAL =**	**$ 25,896.17**	**CONSTRUCTION TOTAL =**	**$ 26,563.97**
				ENGINEERING =	$ 40,672.86	ENGINEERING =	$ 12,331.56	ENGINEERING =	$ 30,056.18	ENGINEERING =	$ 2,107.58	ENGINEERING =	$ 2,589.62	ENGINEERING =	$ 2,656.40
				ROADWAY TOTAL =	**$ 311,825.26**	**ROADWAY TOTAL =**	**$ 94,541.96**	**ROADWAY TOTAL =**	**$ 230,430.68**	**ROADWAY TOTAL =**	**$ 23,183.34**	**ROADWAY TOTAL =**	**$ 28,485.79**	**ROADWAY TOTAL =**	**$ 29,220.37**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2031 (YEAR 8) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 642 WIDTH = 25 TOTAL AREA (SQ YD) = 1,819 JESSICA CT (W CDS TO JOSHUA)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 1,445 WIDTH = 22 TOTAL AREA (SQ YD) = 4,433 JOSHUA (REGAN TO RESERVE CT)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 1,336 WIDTH = 22 TOTAL AREA (SQ YD) = 3,332 REGAN (GILMER TO WEST PRAIRIE CT)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 705 WIDTH = 22 TOTAL AREA (SQ YD) = 2,488 WEST PRAIRE CT (REGAN TO WEST CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 253 WIDTH = 22 TOTAL AREA (SQ YD) = 1,691 EAST PRAIRIE (REGAN TO EAST CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 314 WIDTH = 22 TOTAL AREA (SQ YD) = 1,683 REED CT (REGAN TO NORTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,638	$ 1,638.00	3,990	$ 3,990.00	2,999	$ 2,999.00	2,240	$ 2,240.00	1,522	$ 1,522.00	1,515	$ 1,515.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	77	$ 6,545.00	187	$ 15,895.00	140	$ 11,900.00	105	$ 8,925.00	72	$ 6,120.00	71	$ 6,035.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	153	$ 12,240.00	373	$ 29,840.00	280	$ 22,400.00	209	$ 16,720.00	143	$ 11,440.00	142	$ 11,360.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,819	$ 3,638.00	4,433	$ 8,866.00	3,332	$ 6,664.00	2,488	$ 4,976.00	1,691	$ 3,382.00	1,683	$ 3,366.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	37	$ 1,665.00	89	$ 4,005.00	67	$ 3,015.00	50	$ 2,250.00	34	$ 1,530.00	34	$ 1,530.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	5	$ 625.00	5	$ 625.00	3	$ 375.00	1	$ 125.00	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	13	$ 455.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 7,674.12	1	$ 1,991.46	1	$ 1,499.49	1	$ 1,117.81	1	$ 759.75	1	$ -		
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 824.70	1	$ 1,991.46	1	$ 1,499.49	1	$ 1,117.81	1	$ 759.75	1	$ 757.76		
				SUBTOTAL =	$ 26,181.00	SUBTOTAL =	$ 63,221.00	SUBTOTAL =	$ 47,603.00	SUBTOTAL =	$ 35,486.00	SUBTOTAL =	$ 24,119.00	SUBTOTAL =	$ 24,056.00		
				CONTINGENCY (5%) =	$ 1,309.05	CONTINGENCY (5%) =	$ 3,161.05	CONTINGENCY (5%) =	$ 2,380.15	CONTINGENCY (5%) =	$ 1,774.30	CONTINGENCY (5%) =	$ 1,205.95	CONTINGENCY (5%) =	$ 1,202.80		
				SUBTOTAL =	$ 27,490.05	SUBTOTAL =	$ 66,382.05	SUBTOTAL =	$ 49,983.15	SUBTOTAL =	$ 37,260.30	SUBTOTAL =	$ 25,324.95	SUBTOTAL =	$ 25,258.80		
				CONSTRUCTION TOTAL =	**$ 35,988.88**	**CONSTRUCTION TOTAL =**	**$ 70,364.97**	**CONSTRUCTION TOTAL =**	**$ 52,982.14**	**CONSTRUCTION TOTAL =**	**$ 39,495.92**	**CONSTRUCTION TOTAL =**	**$ 26,844.45**	**CONSTRUCTION TOTAL =**	**$ 26,016.56**		
				ENGINEERING =	$ 3,598.89	ENGINEERING =	$ 7,036.50	ENGINEERING =	$ 5,298.21	ENGINEERING =	$ 3,949.59	ENGINEERING =	$ 2,684.44	ENGINEERING =	$ 2,601.66		
				ROADWAY TOTAL =	**$ 39,587.76**	**ROADWAY TOTAL =**	**$ 77,401.47**	**ROADWAY TOTAL =**	**$ 58,280.35**	**ROADWAY TOTAL =**	**$ 43,445.51**	**ROADWAY TOTAL =**	**$ 29,528.89**	**ROADWAY TOTAL =**	**$ 28,618.22**		

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 995,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2031 (YEAR 8) OTAL =	**$ 1,295,000.00**

2032 (YEAR 9) STREETS

				FULL DEPTH		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	5	PCI=	3	PCI=	3	PCI=	6	PCI=	6	PCI=	5
				EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	C+G	EXISTING RIBBON=	NO	EXISTING RIBBON=	NO	EXISTING RIBBON=	YES
				LENGTH =	485	LENGTH =	510	LENGTH =	1,055	LENGTH =	1,700	LENGTH =	710	LENGTH =	400
				WIDTH =	23	WIDTH =	22	WIDTH =	25	WIDTH =	22	WIDTH =	22	WIDTH =	22
				TOTAL AREA (SQ YD) =	1,265	TOTAL AREA (SQ YD) =	1,272	TOTAL AREA (SQ YD) =	2,990	TOTAL AREA (SQ YD) =	4,239	TOTAL AREA (SQ YD) =	1,771	TOTAL AREA (SQ YD) =	2,048
				ECHO LAKE RD (STONE CREEK TO MILLER)		ECHO LAKE RD (MILLER TO VILLAGE LIMIT)		ECHO LAKE RD (OLD MCHENRY TO STONE CREEK)		MILLER (VILLAGE LIMITS TO CREEK CROSSING)		MILTON RD (OLD MCHENRY TO WINDING BRANCH)		HARVEST GLEN (STONE CREEK TO S. 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
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	22	$ 660.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	64	$ 64.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	22	$ 660.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	1,265	$ 1,265.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	34	$ 680.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,139	$ 1,139.00	1,145	$ 1,145.00	2,691	$ 2,691.00	3,816	$ 3,816.00	1,594	$ 1,594.00	1,844	$ 1,844.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	54	$ 4,590.00	126	$ 10,710.00	179	$ 15,215.00	75	$ 6,375.00	87	$ 7,395.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	178	$ 14,240.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	142	$ 11,360.00	107	$ 8,560.00	252	$ 20,160.00	357	$ 28,560.00	149	$ 11,920.00	173	$ 13,840.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	1,272	$ 2,544.00	2,990	$ 5,980.00	4,239	$ 8,478.00	1,771	$ 3,542.00	2,048	$ 4,096.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	1,265	$ 5,060.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	26	$ 1,170.00	60	$ 2,700.00	85	$ 3,825.00	36	$ 1,620.00	41	$ 1,845.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	162	$ 19,440.00	170	$ 20,400.00	0	$ -	567	$ 68,040.00	237	$ 28,440.00	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	22	$ 770.00	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,797.64	1	$ 1,288.63	1	$ 1,433.60	1	$ 4,108.67	1	$ 1,763.72	1	$ 922.01
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,797.64	1	$ 1,288.63	1	$ 1,433.60	1	$ 4,108.67	1	$ 1,763.72	1	$ 922.01
				SUBTOTAL =	$ 57,068.00	SUBTOTAL =	$ 40,909.00	SUBTOTAL =	$ 45,511.00	SUBTOTAL =	$ 130,434.00	SUBTOTAL =	$ 55,991.00	SUBTOTAL =	$ 29,270.00
				CONTINGENCY (5%) =	$ 2,853.40	CONTINGENCY (5%) =	$ 2,045.45	CONTINGENCY (5%) =	$ 2,275.55	CONTINGENCY (5%) =	$ 6,521.70	CONTINGENCY (5%) =	$ 2,799.55	CONTINGENCY (5%) =	$ 1,463.50
				SUBTOTAL =	$ 59,921.40	SUBTOTAL =	$ 42,954.45	SUBTOTAL =	$ 47,786.55	SUBTOTAL =	$ 136,955.70	SUBTOTAL =	$ 58,790.55	SUBTOTAL =	$ 30,733.50
				CONSTRUCTION TOTAL =	**$ 63,516.68**	**CONSTRUCTION TOTAL =**	**$ 45,531.72**	**CONSTRUCTION TOTAL =**	**$ 50,653.74**	**CONSTRUCTION TOTAL =**	**$ 145,173.04**	**CONSTRUCTION TOTAL =**	**$ 62,317.98**	**CONSTRUCTION TOTAL =**	**$ 32,577.51**
				ENGINEERING =	$ 6,351.67	ENGINEERING =	$ 4,553.17	ENGINEERING =	$ 5,065.37	ENGINEERING =	$ 14,517.30	ENGINEERING =	$ 6,231.80	ENGINEERING =	$ 3,257.75
				ROADWAY TOTAL =	**$ 69,868.35**	**ROADWAY TOTAL =**	**$ 50,084.89**	**ROADWAY TOTAL =**	**$ 55,719.12**	**ROADWAY TOTAL =**	**$ 159,690.35**	**ROADWAY TOTAL =**	**$ 68,549.78**	**ROADWAY TOTAL =**	**$ 35,835.26**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2032 (YEAR 9) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		FULL DEPTH		GRIND & OVERLAY	
				PCI=	5	PCI=	5	PCI=	5	PCI=	6	PCI=	6	PCI=	6
				EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	NO	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES
				LENGTH =	1,395	LENGTH =	250	LENGTH =	576	LENGTH =	2,165	LENGTH =	653	LENGTH =	1,007
				WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22
				TOTAL AREA (SQ YD) =	3,479	TOTAL AREA (SQ YD) =	2,124	TOTAL AREA (SQ YD) =	1,437	TOTAL AREA (SQ YD) =	5,399	TOTAL AREA (SQ YD) =	1,629	TOTAL AREA (SQ YD) =	2,511
				STONE CREEK (ECHO LAKE TO E. END)		MEADOW LN N (N CDS TO STONE CREEK)		MEADOW LN S (S CDS TO STONE CREEK)		MILTON RD (VILLAGE LIMIT TO VILLAGE LIMIT)		ELMWOOD (MILLER TO N CDS)		GLEN RD (ORCHARD TO LYNN)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	28	$ 840.00	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	82	$ 82.00	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	28	$ 840.00	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	1,629	$ 1,629.00	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	43	$ 860.00	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,132	$ 3,132.00	1,912	$ 1,912.00	1,294	$ 1,294.00	4,860	$ 4,860.00	1,467	$ 1,467.00	2,260	$ 2,260.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	147	$ 12,495.00	90	$ 7,650.00	61	$ 5,185.00	227	$ 19,295.00	0	$ -	106	$ 9,010.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	229	$ 18,320.00	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	293	$ 23,440.00	179	$ 14,320.00	121	$ 9,680.00	454	$ 36,320.00	183	$ 14,640.00	211	$ 16,880.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,479	$ 6,958.00	2,124	$ 4,248.00	1,437	$ 2,874.00	5,399	$ 10,798.00	0	$ -	2,511	$ 5,022.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	1,629	$ 6,516.00	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	70	$ 3,150.00	43	$ 1,935.00	29	$ 1,305.00	108	$ 4,860.00	0	$ -	51	$ 2,295.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	722	$ 86,640.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	5	$ 625.00	1	$ 125.00	2	$ 250.00	0	$ -	3	$ 375.00	4	$ 500.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	1	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,568.70	1	$ 950.99	1	$ 648.52	1	$ 5,206.10	1	$ 1,435.42	1	$ 1,132.96
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,568.70	1	$ 950.99	1	$ 648.52	1	$ 5,206.10	1	$ 1,435.42	1	$ 1,132.96
				SUBTOTAL =	$ 49,800.00	SUBTOTAL =	$ 30,190.00	SUBTOTAL =	$ 20,588.00	SUBTOTAL =	$ 165,273.00	SUBTOTAL =	$ 45,569.00	SUBTOTAL =	$ 35,967.00
				CONTINGENCY (5%) =	$ 2,490.00	CONTINGENCY (5%) =	$ 1,509.50	CONTINGENCY (5%) =	$ 1,029.40	CONTINGENCY (5%) =	$ 8,263.65	CONTINGENCY (5%) =	$ 2,278.45	CONTINGENCY (5%) =	$ 1,798.35
				SUBTOTAL =	$ 52,290.00	SUBTOTAL =	$ 31,699.50	SUBTOTAL =	$ 21,617.40	SUBTOTAL =	$ 173,536.65	SUBTOTAL =	$ 47,847.45	SUBTOTAL =	$ 37,765.35
				CONSTRUCTION TOTAL =	**$ 55,427.40**	**CONSTRUCTION TOTAL =**	**$ 33,601.47**	**CONSTRUCTION TOTAL =**	**$ 22,914.44**	**CONSTRUCTION TOTAL =**	**$ 183,948.85**	**CONSTRUCTION TOTAL =**	**$ 50,718.30**	**CONSTRUCTION TOTAL =**	**$ 40,031.27**
				ENGINEERING =	$ 5,542.74	ENGINEERING =	$ 3,360.15	ENGINEERING =	$ 2,291.44	ENGINEERING =	$ 18,394.88	ENGINEERING =	$ 5,071.83	ENGINEERING =	$ 4,003.13
				ROADWAY TOTAL =	**$ 60,970.14**	**ROADWAY TOTAL =**	**$ 36,961.62**	**ROADWAY TOTAL =**	**$ 25,205.89**	**ROADWAY TOTAL =**	**$ 202,343.73**	**ROADWAY TOTAL =**	**$ 55,790.13**	**ROADWAY TOTAL =**	**$ 44,034.40**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2032 (YEAR 9) STREETS

	GRIND & OVERLAY	GRIND & OVERLAY
PCI=	6	6
EXISTING RIBBON=	NO	NO
LENGTH =	495	1,165
WIDTH =	22	22
TOTAL AREA (SQ YD) =	1,235	2,905
	MILTON RD (WINDING BRANCH TO VILLAGE LIMIT)	MILTON RD (VILLAGE LIMIT TO VILLAGE LIMIT)

ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,112	$ 1,112.00	2,615	$ 2,615.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	52	$ 4,420.00	123	$ 10,455.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	104	$ 8,320.00	245	$ 19,600.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,235	$ 2,470.00	2,905	$ 5,810.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	25	$ 1,125.00	59	$ 2,655.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	165	$ 19,800.00	389	$ 46,680.00
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,252.03	1	$ 2,844.92
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,252.03	1	$ 2,844.92
				SUBTOTAL =	$ 39,747.00	SUBTOTAL =	$ 90,315.00
				CONTINGENCY (5%) =	$ 1,987.35	CONTINGENCY (5%) =	$ 4,515.75
				SUBTOTAL =	$ 41,734.35	SUBTOTAL =	$ 94,830.75
				CONSTRUCTION TOTAL =	**$ 44,238.41**	**CONSTRUCTION TOTAL =**	**$ 100,520.60**
				ENGINEERING =	$ 4,423.84	ENGINEERING =	$ 10,052.06
				ROADWAY TOTAL =	**$ 48,662.25**	**ROADWAY TOTAL =**	**$ 110,572.65**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 1,025,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2032 (YEAR 9) TOTAL =	**$ 1,325,000.00**

2033 (YEAR 10) STREETS

	RECONSTRUCTION
PCI=	10
EXISTING RIBBON=	NO
LENGTH =	1,800
WIDTH =	30
TOTAL AREA (SQ YD) =	6,120
	KRUGER RD (FAIRFIELD TO MIDLOTHIAN)

ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00		
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00		
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00		
35800100	PREPARATION OF BASE	SQ YD	$ 1.00		
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00		
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00		
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00		
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00		
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00		
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00		
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00		
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00		
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00		
*NA	STRIPING	L. SUM	$ 2,500.00		
*NA	CONSTRUCTION LAYOUT	L. SUM			
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM			
				ROADWAY TOTAL =	**$ 914,760.00**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 914,760.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2033 (YEAR 10) TOTAL =	**$ 1,214,760.00**

2034 (YEAR 11) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	5	PCI=	5	PCI=	5	PCI=	5	PCI=	5	PCI=	5
				EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES
				LENGTH =	2,827	LENGTH =	722	LENGTH =	2,056	LENGTH =	731	LENGTH =	1,750	LENGTH =	2,521
				WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22
				TOTAL AREA (SQ YD) =	7,049	TOTAL AREA (SQ YD) =	1,801	TOTAL AREA (SQ YD) =	5,627	TOTAL AREA (SQ YD) =	1,823	TOTAL AREA (SQ YD) =	4,864	TOTAL AREA (SQ YD) =	6,536
				NORTH TRAIL (WESTWIND TO SOUTH CDS)		ELDERBERRY (MIDDLETREE TO EAST END)		MIDDLETREE (SYCAMORE TO SOUTH CDS)		BOXWOOD (MIDDLETREE TO ARROWWOOD)		ARROWWOOD (SOUTH CDS TO SYCAMORE)		SYCAMORE (NORTH CDS TO SOUTH END)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	6,345	$ 6,345.00	1,621	$ 1,621.00	5,065	$ 5,065.00	1,641	$ 1,641.00	4,378	$ 4,378.00	5,883	$ 5,883.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	297	$ 25,245.00	76	$ 6,460.00	237	$ 20,145.00	77	$ 6,545.00	205	$ 17,425.00	275	$ 23,375.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	593	$ 47,440.00	152	$ 12,160.00	473	$ 37,840.00	154	$ 12,320.00	409	$ 32,720.00	550	$ 44,000.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	7,049	$ 14,098.00	1,801	$ 3,602.00	5,627	$ 11,254.00	1,823	$ 3,646.00	4,864	$ 9,728.00	6,536	$ 13,072.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	141	$ 6,345.00	37	$ 1,665.00	113	$ 5,085.00	37	$ 1,665.00	98	$ 4,410.00	131	$ 5,895.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	10	$ 1,250.00	3	$ 375.00	7	$ 875.00	3	$ 375.00	6	$ 750.00	9	$ 1,125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 3,172.77	1	$ 815.31	1	$ 2,528.32	1	$ 825.05	1	$ 2,186.45	1	$ 2,940.53
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 3,172.77	1	$ 815.31	1	$ 2,528.32	1	$ 825.05	1	$ 2,186.45	1	$ 2,940.53
				SUBTOTAL =	$ 100,723.00	SUBTOTAL =	$ 25,883.00	SUBTOTAL =	$ 80,264.00	SUBTOTAL =	$ 26,192.00	SUBTOTAL =	$ 69,411.00	SUBTOTAL =	$ 93,350.00
				CONTINGENCY (5%) =	$ 5,036.15	CONTINGENCY (5%) =	$ 1,294.15	CONTINGENCY (5%) =	$ 4,013.20	CONTINGENCY (5%) =	$ 1,309.60	CONTINGENCY (5%) =	$ 3,470.55	CONTINGENCY (5%) =	$ 4,667.50
				SUBTOTAL =	$ 105,759.15	SUBTOTAL =	$ 27,177.15	SUBTOTAL =	$ 84,277.20	SUBTOTAL =	$ 27,501.60	SUBTOTAL =	$ 72,881.55	SUBTOTAL =	$ 98,017.50
				CONSTRUCTION TOTAL =	**$ 112,104.70**	**CONSTRUCTION TOTAL =**	**$ 28,807.78**	**CONSTRUCTION TOTAL =**	**$ 89,333.83**	**CONSTRUCTION TOTAL =**	**$ 29,151.70**	**CONSTRUCTION TOTAL =**	**$ 77,254.44**	**CONSTRUCTION TOTAL =**	**$ 103,898.55**
				ENGINEERING =	$ 11,210.47	ENGINEERING =	$ 2,880.78	ENGINEERING =	$ 8,933.38	ENGINEERING =	$ 2,915.17	ENGINEERING =	$ 7,725.44	ENGINEERING =	$ 10,389.86
				ROADWAY TOTAL =	**$ 123,315.17**	**ROADWAY TOTAL =**	**$ 31,688.56**	**ROADWAY TOTAL =**	**$ 98,267.22**	**ROADWAY TOTAL =**	**$ 32,066.87**	**ROADWAY TOTAL =**	**$ 84,979.89**	**ROADWAY TOTAL =**	**$ 114,288.41**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2034 (YEAR 11) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	4	PCI=	5	PCI=	5	PCI=	7	PCI=	7	PCI=	5
				EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	NO	EXISTING RIBBON=	C+G
				LENGTH =	330	LENGTH =	231	LENGTH =	467	LENGTH =	1,724	LENGTH =	718	LENGTH =	543
				WIDTH =	38 to 25	WIDTH =	35	WIDTH =	22	WIDTH =	22	WIDTH =	18	WIDTH =	26
				TOTAL AREA (SQ YD) =	1,272	TOTAL AREA (SQ YD) =	917	TOTAL AREA (SQ YD) =	1,165	TOTAL AREA (SQ YD) =	4,299	TOTAL AREA (SQ YD) =	1,465	TOTAL AREA (SQ YD) =	2,581
				REDWOOD (OLD MCHENRY TO SYCAMORE)		REDWOOD (NORTH TRAIL TO OLD MCHENRY)		OVERLOOK (DEER POINT TO NORTH CDS)		GENTRY (COPPERFIELD TO BAGPIPE)		BAGPIPE CT (LOCHANORA TO EAST CDS)		ROSE (OLIVERS TO E 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
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,145	$ 1,145.00	826	$ 826.00	1,049	$ 1,049.00	3,870	$ 3,870.00	1,319	$ 1,319.00	2,323	$ 2,323.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	54	$ 4,590.00	39	$ 3,315.00	49	$ 4,165.00	181	$ 15,385.00	62	$ 5,270.00	109	$ 9,265.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	107	$ 8,560.00	78	$ 6,240.00	98	$ 7,840.00	362	$ 28,960.00	124	$ 9,920.00	217	$ 17,360.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,272	$ 2,544.00	917	$ 1,834.00	1,165	$ 2,330.00	4,299	$ 8,598.00	1,465	$ 2,930.00	2,581	$ 5,162.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	26	$ 1,170.00	19	$ 855.00	24	$ 1,080.00	86	$ 3,870.00	30	$ 1,350.00	52	$ 2,340.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	2	$ 250.00	1	$ 125.00	2	$ 250.00	6	$ 750.00	3	$ 375.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	22	$ 770.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 575.16	1	$ 415.64	1	$ 526.49	1	$ 1,935.14	1	$ 666.67	1	$ 1,172.43
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 575.16	1	$ 415.64	1	$ 526.49	1	$ 1,935.14	1	$ 666.67	1	$ 1,172.43
				SUBTOTAL =	$ 18,259.00	SUBTOTAL =	$ 13,195.00	SUBTOTAL =	$ 16,714.00	SUBTOTAL =	$ 61,433.00	SUBTOTAL =	$ 21,164.00	SUBTOTAL =	$ 37,220.00
				CONTINGENCY (5%) =	$ 912.95	CONTINGENCY (5%) =	$ 659.75	CONTINGENCY (5%) =	$ 835.70	CONTINGENCY (5%) =	$ 3,071.65	CONTINGENCY (5%) =	$ 1,058.20	CONTINGENCY (5%) =	$ 1,861.00
				SUBTOTAL =	$ 19,171.95	SUBTOTAL =	$ 13,854.75	SUBTOTAL =	$ 17,549.70	SUBTOTAL =	$ 64,504.65	SUBTOTAL =	$ 22,222.20	SUBTOTAL =	$ 39,081.00
				CONSTRUCTION TOTAL =	**$ 20,322.27**	**CONSTRUCTION TOTAL =**	**$ 14,686.04**	**CONSTRUCTION TOTAL =**	**$ 18,602.68**	**CONSTRUCTION TOTAL =**	**$ 68,374.93**	**CONSTRUCTION TOTAL =**	**$ 23,555.53**	**CONSTRUCTION TOTAL =**	**$ 41,425.86**
				ENGINEERING =	$ 2,032.23	ENGINEERING =	$ 1,468.60	ENGINEERING =	$ 1,860.27	ENGINEERING =	$ 6,837.49	ENGINEERING =	$ 2,355.55	ENGINEERING =	$ 4,142.59
				ROADWAY TOTAL =	**$ 22,354.49**	**ROADWAY TOTAL =**	**$ 16,154.64**	**ROADWAY TOTAL =**	**$ 20,462.95**	**ROADWAY TOTAL =**	**$ 75,212.42**	**ROADWAY TOTAL =**	**$ 25,911.09**	**ROADWAY TOTAL =**	**$ 45,568.45**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2034 (YEAR 11) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 776 WIDTH = 26 TOTAL AREA (SQ YD) = 2,287 OLIVERS WAY (GOVERNORS TO LOCHANORA) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 446 WIDTH = 26 TOTAL AREA (SQ YD) = 2,223 ANNE CT (DEER POINT TO S CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,059	$ 2,059.00	2,001	$ 2,001.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	97	$ 8,245.00	94	$ 7,990.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	193	$ 15,440.00	187	$ 14,960.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,287	$ 4,574.00	2,223	$ 4,446.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	46	$ 2,070.00	45	$ 2,025.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	32	$ 1,120.00	18	$ 630.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,055.50	1	$ 1,009.64
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,055.50	1	$ 1,009.64
				SUBTOTAL =	$ 33,508.00	SUBTOTAL =	$ 32,052.00
				CONTINGENCY (5%) =	$ 1,675.40	CONTINGENCY (5%) =	$ 1,602.60
				SUBTOTAL =	$ 35,183.40	SUBTOTAL =	$ 33,654.60
				CONSTRUCTION TOTAL =	**$ 37,294.40**	**CONSTRUCTION TOTAL =**	**$ 35,673.88**
				ENGINEERING =	$ 3,729.44	ENGINEERING =	$ 3,567.39
				ROADWAY TOTAL =	**$ 41,023.84**	**ROADWAY TOTAL =**	**$ 39,241.26**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 771,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2034 (YEAR 11) TOTAL =	**$ 1,071,000.00**

2035 (YEAR 12) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,206 WIDTH = 22 TOTAL AREA (SQ YD) = 3,007 MULBERRY (315' E/COPPERFIELD TO OLD MCHENRY) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 1,458 WIDTH = 22 TOTAL AREA (SQ YD) = 3,636 WEDGEWOOD (COPPERFIELD TO COPPERFIELD) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 760 WIDTH = 22 TOTAL AREA (SQ YD) = 2,665 CHANTILLY (SOUTH CDS TO WEDGEWOOD) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 262 WIDTH = 22 TOTAL AREA (SQ YD) = 914 CHANCELLOR (COPPERFIELD TO S. CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 2,090 WIDTH = 25 TOTAL AREA (SQ YD) = 5,922 GOVERNORS WAY (230' E/GENTRY TO OLIVERS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 350 WIDTH = 25 TOTAL AREA (SQ YD) = 1,922 GOVERNORS CT (OLIVERS TO W CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,707	$ 2,707.00	3,273	$ 3,273.00	2,399	$ 2,399.00	823	$ 823.00	5,330	$ 5,330.00	1,730	$ 1,730.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	127	$ 10,795.00	153	$ 13,005.00	112	$ 9,520.00	39	$ 3,315.00	249	$ 21,165.00	81	$ 6,885.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	253	$ 20,240.00	306	$ 24,480.00	224	$ 17,920.00	77	$ 6,160.00	498	$ 39,840.00	162	$ 12,960.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,007	$ 6,014.00	3,636	$ 7,272.00	2,665	$ 5,330.00	914	$ 1,828.00	5,922	$ 11,844.00	1,922	$ 3,844.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	61	$ 2,745.00	73	$ 3,285.00	54	$ 2,430.00	19	$ 855.00	119	$ 5,355.00	39	$ 1,755.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	5	$ 625.00	5	$ 625.00	3	$ 375.00	1	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	84	$ 2,940.00	14	$ 490.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,358.47	1	$ 1,636.11	1	$ 1,196.18	1	$ 412.84	1	$ 2,723.93	1	$ 871.42
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,358.47	1	$ 1,636.11	1	$ 1,196.18	1	$ 412.84	1	$ 2,723.93	1	$ 871.42
				SUBTOTAL =	$ 43,126.00	SUBTOTAL =	$ 51,940.00	SUBTOTAL =	$ 37,974.00	SUBTOTAL =	$ 13,106.00	SUBTOTAL =	$ 86,474.00	SUBTOTAL =	$ 27,664.00
				CONTINGENCY (5%) =	$ 2,156.30	CONTINGENCY (5%) =	$ 2,597.00	CONTINGENCY (5%) =	$ 1,898.70	CONTINGENCY (5%) =	$ 655.30	CONTINGENCY (5%) =	$ 4,323.70	CONTINGENCY (5%) =	$ 1,383.20
				SUBTOTAL =	$ 45,282.30	SUBTOTAL =	$ 54,537.00	SUBTOTAL =	$ 39,872.70	SUBTOTAL =	$ 13,761.30	SUBTOTAL =	$ 90,797.70	SUBTOTAL =	$ 29,047.20
				CONSTRUCTION TOTAL =	**$ 47,999.24**	**CONSTRUCTION TOTAL =**	**$ 57,809.22**	**CONSTRUCTION TOTAL =**	**$ 42,265.06**	**CONSTRUCTION TOTAL =**	**$ 14,586.98**	**CONSTRUCTION TOTAL =**	**$ 96,245.56**	**CONSTRUCTION TOTAL =**	**$ 30,790.03**
				ENGINEERING =	$ 4,799.92	ENGINEERING =	$ 5,780.92	ENGINEERING =	$ 4,226.51	ENGINEERING =	$ 1,458.70	ENGINEERING =	$ 9,624.56	ENGINEERING =	$ 3,079.00
				ROADWAY TOTAL =	**$ 52,799.16**	**ROADWAY TOTAL =**	**$ 63,590.14**	**ROADWAY TOTAL =**	**$ 46,491.57**	**ROADWAY TOTAL =**	**$ 16,045.68**	**ROADWAY TOTAL =**	**$ 105,870.12**	**ROADWAY TOTAL =**	**$ 33,869.04**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2035 (YEAR 12) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 5,011 WIDTH = 22 - 36 TOTAL AREA (SQ YD) = 13,120 COPPERFIELD (OLD MCHENRY TO CHANTILLY)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 275 WIDTH = 22 TOTAL AREA (SQ YD) = 686 DURANGO (DEER POINT TO NORTH CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,267 WIDTH = 22 TOTAL AREA (SQ YD) = 3,160 HIGH POINT DR (BIRCH LAKES TO NORTH CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 250 WIDTH = 22 TOTAL AREA (SQ YD) = 624 HIGH POINT CI (HIGH POINT DR TO EAST CDS)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 1,301 WIDTH = 22 TOTAL AREA (SQ YD) = 3,244 BIRCH LAKES (DEER POINT TO FAIRFIELD)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 615 WIDTH = 22 TOTAL AREA (SQ YD) = 1,534 BARBERRY (OLD LAKE TO NORTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	11,808	$ 11,808.00	618	$ 618.00	2,844	$ 2,844.00	562	$ 562.00	2,920	$ 2,920.00	1,381	$ 1,381.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	552	$ 46,920.00	29	$ 2,465.00	133	$ 11,305.00	27	$ 2,295.00	137	$ 11,645.00	65	$ 5,525.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	1,103	$ 88,240.00	58	$ 4,640.00	266	$ 21,280.00	53	$ 4,240.00	273	$ 21,840.00	129	$ 10,320.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	13,120	$ 26,240.00	686	$ 1,372.00	3,160	$ 6,320.00	624	$ 1,248.00	3,244	$ 6,488.00	1,534	$ 3,068.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	263	$ 11,835.00	14	$ 630.00	64	$ 2,880.00	13	$ 585.00	65	$ 2,925.00	31	$ 1,395.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	17	$ 2,125.00	1	$ 125.00	5	$ 625.00	1	$ 125.00	5	$ 625.00	3	$ 375.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 5,895.79	1	$ 310.28	1	$ 1,425.50	1	$ 285.23	1	$ 1,462.95	1	$ 695.02
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 5,895.79	1	$ 310.28	1	$ 1,425.50	1	$ 285.23	1	$ 1,462.95	1	$ 695.02
				SUBTOTAL =	$ 187,168.00	SUBTOTAL =	$ 9,850.00	SUBTOTAL =	$ 45,254.00	SUBTOTAL =	$ 9,055.00	SUBTOTAL =	$ 46,443.00	SUBTOTAL =	$ 22,064.00
				CONTINGENCY (5%) =	$ 9,358.40	CONTINGENCY (5%) =	$ 492.50	CONTINGENCY (5%) =	$ 2,262.70	CONTINGENCY (5%) =	$ 452.75	CONTINGENCY (5%) =	$ 2,322.15	CONTINGENCY (5%) =	$ 1,103.20
				SUBTOTAL =	$ 196,526.40	SUBTOTAL =	$ 10,342.50	SUBTOTAL =	$ 47,516.70	SUBTOTAL =	$ 9,507.75	SUBTOTAL =	$ 48,765.15	SUBTOTAL =	$ 23,167.20
				CONSTRUCTION TOTAL =	**$ 208,317.98**	**CONSTRUCTION TOTAL =**	**$ 10,963.05**	**CONSTRUCTION TOTAL =**	**$ 50,367.70**	**CONSTRUCTION TOTAL =**	**$ 10,078.22**	**CONSTRUCTION TOTAL =**	**$ 51,691.06**	**CONSTRUCTION TOTAL =**	**$ 24,557.23**
				ENGINEERING =	$ 20,831.80	ENGINEERING =	$ 1,096.31	ENGINEERING =	$ 5,036.77	ENGINEERING =	$ 1,007.82	ENGINEERING =	$ 5,169.11	ENGINEERING =	$ 2,455.72
				ROADWAY TOTAL =	**$ 229,149.78**	**ROADWAY TOTAL =**	**$ 12,059.36**	**ROADWAY TOTAL =**	**$ 55,404.47**	**ROADWAY TOTAL =**	**$ 11,086.04**	**ROADWAY TOTAL =**	**$ 56,860.16**	**ROADWAY TOTAL =**	**$ 27,012.96**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2035 (YEAR 12) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 295 WIDTH = 22 TOTAL AREA (SQ YD) = 736 MULBERRY (COPPERFIELD TO 315' E/COPPERFIELD)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 230 WIDTH = 22 TOTAL AREA (SQ YD) = 574 GOVERNORS WAY (GENTRY TO 230' E/GENTRY)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,566 WIDTH = 22 TOTAL AREA (SQ YD) = 3,905 OLD LAKE (MULBERRY TO 38 OLD LAKE)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 775 WIDTH = 22 TOTAL AREA (SQ YD) = 2,633 OLD LAKE (38 OLD LAKE TO EAST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	663	$ 663.00	517	$ 517.00	3,515	$ 3,515.00	2,370	$ 2,370.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	31	$ 2,635.00	25	$ 2,125.00	165	$ 14,025.00	111	$ 9,435.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	62	$ 4,960.00	49	$ 3,920.00	329	$ 26,320.00	222	$ 17,760.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	736	$ 1,472.00	574	$ 1,148.00	3,905	$ 7,810.00	2,633	$ 5,266.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	15	$ 675.00	12	$ 540.00	79	$ 3,555.00	53	$ 2,385.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	1	$ 125.00	1	$ 125.00	6	$ 750.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	31	$ 1,085.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 331.70	1	$ 263.81	1	$ 1,763.21	1	$ 1,206.48
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 331.70	1	$ 263.81	1	$ 1,763.21	1	$ 1,206.48
				SUBTOTAL =	$ 10,530.00	SUBTOTAL =	$ 8,375.00	SUBTOTAL =	$ 55,975.00	SUBTOTAL =	$ 38,301.00
				CONTINGENCY (5%) =	$ 526.50	CONTINGENCY (5%) =	$ 418.75	CONTINGENCY (5%) =	$ 2,798.75	CONTINGENCY (5%) =	$ 1,915.05
				SUBTOTAL =	$ 11,056.50	SUBTOTAL =	$ 8,793.75	SUBTOTAL =	$ 58,773.75	SUBTOTAL =	$ 40,216.05
				CONSTRUCTION TOTAL =	**$ 11,719.89**	**CONSTRUCTION TOTAL =**	**$ 9,321.38**	**CONSTRUCTION TOTAL =**	**$ 62,300.18**	**CONSTRUCTION TOTAL =**	**$ 42,629.01**
				ENGINEERING =	$ 1,171.99	ENGINEERING =	$ 932.14	ENGINEERING =	$ 6,230.02	ENGINEERING =	$ 4,262.90
				ROADWAY TOTAL =	**$ 12,891.88**	**ROADWAY TOTAL =**	**$ 10,253.51**	**ROADWAY TOTAL =**	**$ 68,530.19**	**ROADWAY TOTAL =**	**$ 46,891.91**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 849,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2035 (YEAR) TOTAL =	**$ 1,149,000.00**

2036 (YEAR 13) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,425 WIDTH = 21.5 TOTAL AREA (SQ YD) = 3,473 WINDING BRANCH (MILTON TO PHEASANT RUN) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 525 WIDTH = 21.5 TOTAL AREA (SQ YD) = 1,280 WOODED LN (WINDING BRANCH TO MILTON) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 3,270 WIDTH = 21.5 TOTAL AREA (SQ YD) = 7,968 PHEASANT RUN (THORNFIELD TO THORNFIELD) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 725 WIDTH = 22 TOTAL AREA (SQ YD) = 2,758 THORNFIELD (PHEASANT RUN TO NORTH CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,093 WIDTH = 22 TOTAL AREA (SQ YD) = 2,726 THORNFIELD (PHEASANT RUN TO MOOREGATE) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 4 EXISTING RIBBON= C+O LENGTH = 350 WIDTH = 22 TOTAL AREA (SQ YD) = 873 STONEY RIDGE CT (EQUESTRIAN WAY TO END CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,126	$ 3,126.00	1,152	$ 1,152.00	7,172	$ 7,172.00	2,483	$ 2,483.00	2,454	$ 2,454.00	786	$ 786.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	146	$ 12,410.00	54	$ 4,590.00	335	$ 28,475.00	116	$ 9,860.00	115	$ 9,775.00	37	$ 3,145.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	292	$ 23,360.00	108	$ 8,640.00	670	$ 53,600.00	232	$ 18,560.00	229	$ 18,320.00	74	$ 5,920.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,473	$ 6,946.00	1,280	$ 2,560.00	7,968	$ 15,936.00	2,758	$ 5,516.00	2,726	$ 5,452.00	873	$ 1,746.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	70	$ 3,150.00	26	$ 1,170.00	160	$ 7,200.00	56	$ 2,520.00	55	$ 2,475.00	18	$ 810.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	5	$ 625.00	2	$ 250.00	11	$ 1,375.00	3	$ 375.00	4	$ 500.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	14	$ 490.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,562.94	1	$ 578.40	1	$ 3,583.38	1	$ 1,238.39	1	$ 1,227.74	1	$ 406.26
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,562.94	1	$ 578.40	1	$ 3,583.38	1	$ 1,238.39	1	$ 1,227.74	1	$ 406.26
				SUBTOTAL =	$ 49,617.00	SUBTOTAL =	$ 18,362.00	SUBTOTAL =	$ 113,758.00	SUBTOTAL =	$ 39,314.00	SUBTOTAL =	$ 38,976.00	SUBTOTAL =	$ 12,897.00
				CONTINGENCY (5%) =	$ 2,480.85	CONTINGENCY (5%) =	$ 918.10	CONTINGENCY (5%) =	$ 5,687.90	CONTINGENCY (5%) =	$ 1,965.70	CONTINGENCY (5%) =	$ 1,948.80	CONTINGENCY (5%) =	$ 644.85
				SUBTOTAL =	$ 52,097.85	SUBTOTAL =	$ 19,280.10	SUBTOTAL =	$ 119,445.90	SUBTOTAL =	$ 41,279.70	SUBTOTAL =	$ 40,924.80	SUBTOTAL =	$ 13,541.85
				CONSTRUCTION TOTAL =	**$ 55,223.72**	**CONSTRUCTION TOTAL =**	**$ 20,436.91**	**CONSTRUCTION TOTAL =**	**$ 126,612.65**	**CONSTRUCTION TOTAL =**	**$ 43,756.48**	**CONSTRUCTION TOTAL =**	**$ 43,380.29**	**CONSTRUCTION TOTAL =**	**$ 14,354.36**
				ENGINEERING =	$ 5,522.37	ENGINEERING =	$ 2,043.69	ENGINEERING =	$ 12,661.27	ENGINEERING =	$ 4,375.65	ENGINEERING =	$ 4,338.03	ENGINEERING =	$ 1,435.44
				ROADWAY TOTAL =	**$ 60,746.09**	**ROADWAY TOTAL =**	**$ 22,480.60**	**ROADWAY TOTAL =**	**$ 139,273.92**	**ROADWAY TOTAL =**	**$ 48,132.13**	**ROADWAY TOTAL =**	**$ 47,718.32**	**ROADWAY TOTAL =**	**$ 15,789.80**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2036 (YEAR 13) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 4 EXISTING RIBBON= C+G LENGTH = 650 WIDTH = 22 TOTAL AREA (SQ YD) = 1,621 SADDLE RIDGE CT (EQUESTRIAN WAY TO E CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 853 WIDTH = 22 TOTAL AREA (SQ YD) = 2,127 BRIDLE PATH (MILTON TO NORTH TRAIL) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,790 WIDTH = 22 TOTAL AREA (SQ YD) = 4,464 STEEPLECHASE (FURLONG TO SOUTH CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 318 WIDTH = 22 TOTAL AREA (SQ YD) = 793 DERBY (STEEPLECHASE TO NORTH END) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 535 WIDTH = 22 TOTAL AREA (SQ YD) = 1,334 FURLONG (NORTH TRAIL TO EAST END) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 3,560 WIDTH = 22 TOTAL AREA (SQ YD) = 8,877 NORTH TRAIL (NORTH CDS TO FURLONG) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,459	$ 1,459.00	1,915	$ 1,915.00	4,018	$ 4,018.00	714	$ 714.00	1,201	$ 1,201.00	7,990	$ 7,990.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	69	$ 5,865.00	90	$ 7,650.00	188	$ 15,980.00	34	$ 2,890.00	57	$ 4,845.00	373	$ 31,705.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	137	$ 10,960.00	179	$ 14,320.00	375	$ 30,000.00	67	$ 5,360.00	113	$ 9,040.00	746	$ 59,680.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,621	$ 3,242.00	2,127	$ 4,254.00	4,464	$ 8,928.00	793	$ 1,586.00	1,334	$ 2,668.00	8,877	$ 17,754.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	33	$ 1,485.00	43	$ 1,935.00	90	$ 4,050.00	16	$ 720.00	27	$ 1,215.00	178	$ 8,010.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	3	$ 375.00	6	$ 750.00	2	$ 250.00	2	$ 250.00	12	$ 1,500.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	26	$ 910.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 753.51	1	$ 959.14	1	$ 2,007.37	1	$ 362.88	1	$ 605.40	1	$ 3,989.13
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 753.51	1	$ 959.14	1	$ 2,007.37	1	$ 362.88	1	$ 605.40	1	$ 3,989.13
				SUBTOTAL =	$ 23,921.00	SUBTOTAL =	$ 30,449.00	SUBTOTAL =	$ 63,726.00	SUBTOTAL =	$ 11,520.00	SUBTOTAL =	$ 19,219.00	SUBTOTAL =	$ 126,639.00
				CONTINGENCY (5%) =	$ 1,196.05	CONTINGENCY (5%) =	$ 1,522.45	CONTINGENCY (5%) =	$ 3,186.30	CONTINGENCY (5%) =	$ 576.00	CONTINGENCY (5%) =	$ 960.95	CONTINGENCY (5%) =	$ 6,331.95
				SUBTOTAL =	$ 25,117.05	SUBTOTAL =	$ 31,971.45	SUBTOTAL =	$ 66,912.30	SUBTOTAL =	$ 12,096.00	SUBTOTAL =	$ 20,179.95	SUBTOTAL =	$ 132,970.95
				CONSTRUCTION TOTAL =	**$ 26,624.07**	**CONSTRUCTION TOTAL =**	**$ 33,889.74**	**CONSTRUCTION TOTAL =**	**$ 70,927.04**	**CONSTRUCTION TOTAL =**	**$ 12,821.76**	**CONSTRUCTION TOTAL =**	**$ 21,390.75**	**CONSTRUCTION TOTAL =**	**$ 140,949.21**
				ENGINEERING =	$ 2,662.41	ENGINEERING =	$ 3,388.97	ENGINEERING =	$ 7,092.70	ENGINEERING =	$ 1,282.18	ENGINEERING =	$ 2,139.07	ENGINEERING =	$ 14,094.92
				ROADWAY TOTAL =	**$ 29,286.48**	**ROADWAY TOTAL =**	**$ 37,278.71**	**ROADWAY TOTAL =**	**$ 78,019.74**	**ROADWAY TOTAL =**	**$ 14,103.94**	**ROADWAY TOTAL =**	**$ 23,529.82**	**ROADWAY TOTAL =**	**$ 155,044.13**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2036 (YEAR 13) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	PADDOCK (NORTH TRAIL TO NORTH CDS) GRIND & OVERLAY PCI= 4, EXISTING RIBBON= YES, LENGTH = 340, WIDTH = 22, TOTAL AREA (SQ YD) = 848		WESTWIND (NORTH TRAIL TO WEST CDS) GRIND & OVERLAY PCI= 4, EXISTING RIBBON= YES, LENGTH = 595, WIDTH = 22, TOTAL AREA (SQ YD) = 2,484		DORSET (NORTH TRAIL TO SOUTH CDS) GRIND & OVERLAY PCI= 5, EXISTING RIBBON= YES, LENGTH = 142, WIDTH = 22, TOTAL AREA (SQ YD) = 1,005		COBBLEWOOD (NORTH TRAIL TO SOUTH CDS) GRIND & OVERLAY PCI= 4, EXISTING RIBBON= YES, LENGTH = 1,250, WIDTH = 22, TOTAL AREA (SQ YD) = 3,917		NEWHAVEN (COBBLEWOOD TO VILLAGE LIMIT) GRIND & OVERLAY PCI= 4, EXISTING RIBBON= YES, LENGTH = 443, WIDTH = 22, TOTAL AREA (SQ YD) = 1,105		NORTH TRAIL (WESTWIND TO FURLONG) GRIND & OVERLAY PCI= 5, EXISTING RIBBON= YES, LENGTH = 1,283, WIDTH = 22, TOTAL AREA (SQ YD) = 3,199	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	764	$ 764.00	2,236	$ 2,236.00	905	$ 905.00	3,526	$ 3,526.00	995	$ 995.00	2,880	$ 2,880.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	36	$ 3,060.00	105	$ 8,925.00	43	$ 3,655.00	165	$ 14,025.00	47	$ 3,995.00	135	$ 11,475.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	72	$ 5,760.00	209	$ 16,720.00	85	$ 6,800.00	330	$ 26,400.00	93	$ 7,440.00	269	$ 21,520.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	848	$ 1,696.00	2,484	$ 4,968.00	1,005	$ 2,010.00	3,917	$ 7,834.00	1,105	$ 2,210.00	3,199	$ 6,398.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	17	$ 765.00	50	$ 2,250.00	21	$ 945.00	79	$ 3,555.00	23	$ 1,035.00	64	$ 2,880.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	2	$ 250.00	2	$ 250.00	1	$ 125.00	5	$ 625.00	2	$ 250.00	5	$ 625.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 387.29	1	$ 1,113.49	1	$ 454.86	1	$ 1,762.90	1	$ 501.64	1	$ 1,442.01
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 387.29	1	$ 1,113.49	1	$ 454.86	1	$ 1,762.90	1	$ 501.64	1	$ 1,442.01
				SUBTOTAL =	$ 12,295.00	SUBTOTAL =	$ 35,349.00	SUBTOTAL =	$ 14,440.00	SUBTOTAL =	$ 55,965.00	SUBTOTAL =	$ 15,925.00	SUBTOTAL =	$ 45,778.00
				CONTINGENCY (5%) =	$ 614.75	CONTINGENCY (5%) =	$ 1,767.45	CONTINGENCY (5%) =	$ 722.00	CONTINGENCY (5%) =	$ 2,798.25	CONTINGENCY (5%) =	$ 796.25	CONTINGENCY (5%) =	$ 2,288.90
				SUBTOTAL =	$ 12,909.75	SUBTOTAL =	$ 37,116.45	SUBTOTAL =	$ 15,162.00	SUBTOTAL =	$ 58,763.25	SUBTOTAL =	$ 16,721.25	SUBTOTAL =	$ 48,066.90
				CONSTRUCTION TOTAL =	**$ 13,684.34**	**CONSTRUCTION TOTAL =**	**$ 39,343.44**	**CONSTRUCTION TOTAL =**	**$ 16,071.72**	**CONSTRUCTION TOTAL =**	**$ 62,289.05**	**CONSTRUCTION TOTAL =**	**$ 17,724.53**	**CONSTRUCTION TOTAL =**	**$ 50,950.91**
				ENGINEERING =	$ 1,368.43	ENGINEERING =	$ 3,934.34	ENGINEERING =	$ 1,607.17	ENGINEERING =	$ 6,228.90	ENGINEERING =	$ 1,772.45	ENGINEERING =	$ 5,095.09
				ROADWAY TOTAL =	**$ 15,052.77**	**ROADWAY TOTAL =**	**$ 43,277.78**	**ROADWAY TOTAL =**	**$ 17,678.89**	**ROADWAY TOTAL =**	**$ 68,517.95**	**ROADWAY TOTAL =**	**$ 19,496.98**	**ROADWAY TOTAL =**	**$ 56,046.01**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 892,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2036 (YEAR 13) TOTAL =	**$ 1,192,000.00**

2037 (YEAR 14) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	DEER POINT (BRIDGE E/ANNE TO OLD LAKE) GRIND & OVERLAY PCI= 7, EXISTING RIBBON= YES, LENGTH = 3,281, WIDTH = 22, TOTAL AREA (SQ YD) = 8,181		DEER POINT DR (GOVERNORS TO BRIDGE E/ANNE) GRIND & OVERLAY PCI= 5, EXISTING RIBBON= C+G, LENGTH = 834, WIDTH = 26, TOTAL AREA (SQ YD) = 2,458		PUBLIC WORKS FACILITY RECONSTRUCTION PCI= 8, EXISTING RIBBON= LOT, LENGTH = , WIDTH = , TOTAL AREA (SQ YD) = 2,250		HAWTHORN COMMUNITY PARK FULL DEPTH PCI= 9, EXISTING RIBBON= LOT, C+G, LENGTH = , WIDTH = , TOTAL AREA (SQ YD) = 5,468	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	38	$ 1,140.00	92	$ 2,760.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	113	$ 113.00	274	$ 274.00
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	38	$ 1,140.00	92	$ 2,760.00
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	2,250	$ 22,500.00	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	5,468	$ 5,468.00
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	144	$ 2,880.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	7,363	$ 7,363.00	2,213	$ 2,213.00	2,025	$ 2,025.00	4,922	$ 4,922.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	344	$ 29,240.00	104	$ 8,840.00	0	$ -	0	$ -
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	441	$ 35,280.00	766	$ 61,280.00
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	688	$ 55,040.00	207	$ 16,560.00	252	$ 20,160.00	613	$ 49,040.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	2,250	$ 33,750.00	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	8,181	$ 16,362.00	2,458	$ 4,916.00	0	$ -	0	$ -
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	5,468	$ 21,872.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	164	$ 7,380.00	50	$ 2,250.00	0	$ -	0	$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	11	$ 1,375.00	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	34	$ 1,190.00	0	$ -	500	$ 17,500.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 3,677.94	1	$ 1,133.02	1	$ 3,736.15	1	$ 5,394.56
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 3,677.94	1	$ 1,133.02	1	$ 3,736.15	1	$ 5,394.56
				SUBTOTAL =	$ 116,760.00	SUBTOTAL =	$ 35,969.00	SUBTOTAL =	$ 118,608.00	SUBTOTAL =	$ 171,256.00
				CONTINGENCY (5%) =	$ 5,838.00	CONTINGENCY (5%) =	$ 1,798.45	CONTINGENCY (5%) =	$ 5,930.40	CONTINGENCY (5%) =	$ 8,562.80
				SUBTOTAL =	$ 122,598.00	SUBTOTAL =	$ 37,767.45	SUBTOTAL =	$ 124,538.40	SUBTOTAL =	$ 179,818.80
				CONSTRUCTION TOTAL =	**$ 129,953.88**	**CONSTRUCTION TOTAL =**	**$ 40,033.50**	**CONSTRUCTION TOTAL =**	**$ 132,019.70**	**CONSTRUCTION TOTAL =**	**$ 190,607.93**
				ENGINEERING =	$ 12,995.39	ENGINEERING =	$ 4,003.35	ENGINEERING =	$ 19,801.61	ENGINEERING =	$ 19,060.79
				ROADWAY TOTAL =	**$ 142,949.27**	**ROADWAY TOTAL =**	**$ 44,036.85**	**ROADWAY TOTAL =**	**$ 151,812.31**	**ROADWAY TOTAL =**	**$ 209,668.72**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 549,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2037 (YEAR 14) TOTAL =	**$ 849,000.00**

2038 (YEAR 15) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	FULL DEPTH PCI= 5 EXISTING RIBBON= LOT, C+G LENGTH = WIDTH = TOTAL AREA (SQ YD) = 13,816 HERITAGE OAKS PARK		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,725 WIDTH = 22 TOTAL AREA (SQ YD) = 4,301 WHITMAN (KATHY TO DAVID)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 2,470 WIDTH = 22.5 TOTAL AREA (SQ YD) = 7,399 KATHY (EAST VILLAGE LIMIT TO WEST CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,335 WIDTH = 22 TOTAL AREA (SQ YD) = 3,629 DAVID (NORTH END TO SOUTH END)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 275 WIDTH = 22.5 TOTAL AREA (SQ YD) = 802 HOLMES AVE		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 120 WIDTH = 22 - 32 TOTAL AREA (SQ YD) = 1,372 COOPER (KATHY TO SOUTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	231	$ 6,930.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	691	$ 691.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	231	$ 6,930.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	13,816	$ 13,816.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	363	$ 7,260.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	12,435	$ 12,435.00	3,871	$ 3,871.00	6,660	$ 6,660.00	3,267	$ 3,267.00	722	$ 722.00	1,235	$ 1,235.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	181	$ 15,385.00	311	$ 26,435.00	153	$ 13,005.00	34	$ 2,890.00	58	$ 4,930.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	1,935	$ 154,800.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	1,548	$ 123,840.00	362	$ 28,960.00	622	$ 49,760.00	305	$ 24,400.00	68	$ 5,440.00	116	$ 9,280.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	4,301	$ 8,602.00	7,399	$ 14,798.00	3,629	$ 7,258.00	802	$ 1,604.00	1,372	$ 2,744.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	13,816	$ 55,264.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	87	$ 3,915.00	148	$ 6,660.00	73	$ 3,285.00	17	$ 765.00	28	$ 1,260.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	6	$ 750.00	9	$ 1,125.00	5	$ 625.00	1	$ 125.00	1	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	156	$ 5,460.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 12,282.67	1	$ 1,936.71	1	$ 3,321.30	1	$ 1,632.96	1	$ 363.70	1	$ 616.58
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 12,282.67	1	$ 1,936.71	1	$ 3,321.30	1	$ 1,632.96	1	$ 363.70	1	$ 616.58
				SUBTOTAL =	$ 389,926.00	SUBTOTAL =	$ 61,483.00	SUBTOTAL =	$ 105,438.00	SUBTOTAL =	$ 51,840.00	SUBTOTAL =	$ 11,546.00	SUBTOTAL =	$ 19,574.00
				CONTINGENCY (5%) =	$ 19,496.30	CONTINGENCY (5%) =	$ 3,074.15	CONTINGENCY (5%) =	$ 5,271.90	CONTINGENCY (5%) =	$ 2,592.00	CONTINGENCY (5%) =	$ 577.30	CONTINGENCY (5%) =	$ 978.70
				SUBTOTAL =	$ 409,422.30	SUBTOTAL =	$ 64,557.15	SUBTOTAL =	$ 110,709.90	SUBTOTAL =	$ 54,432.00	SUBTOTAL =	$ 12,123.30	SUBTOTAL =	$ 20,552.70
				CONSTRUCTION TOTAL =	**$ 433,987.64**	**CONSTRUCTION TOTAL =**	**$ 68,430.58**	**CONSTRUCTION TOTAL =**	**$ 117,352.49**	**CONSTRUCTION TOTAL =**	**$ 57,697.92**	**CONSTRUCTION TOTAL =**	**$ 12,850.70**	**CONSTRUCTION TOTAL =**	**$ 21,785.86**
				ENGINEERING =	$ 43,398.76	ENGINEERING =	$ 6,843.06	ENGINEERING =	$ 11,735.25	ENGINEERING =	$ 5,769.79	ENGINEERING =	$ 1,285.07	ENGINEERING =	$ 2,178.59
				ROADWAY TOTAL =	**$ 477,386.40**	**ROADWAY TOTAL =**	**$ 75,273.64**	**ROADWAY TOTAL =**	**$ 129,087.74**	**ROADWAY TOTAL =**	**$ 63,467.71**	**ROADWAY TOTAL =**	**$ 14,135.77**	**ROADWAY TOTAL =**	**$ 23,964.45**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2038 (YEAR 15) STREETS

GRIND & OVERLAY
PCI= 6
EXISTING RIBBON= YES
LENGTH = 199
WIDTH = 22
TOTAL AREA (SQ YD) = 1,217
BYRON CT (KATHY TO SOUTH CDS)

ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,096	$ 1,096.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	52	$ 4,420.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	103	$ 8,240.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,217	$ 2,434.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	25	$ 1,125.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	1	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 549.36
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 549.36
				SUBTOTAL =	$ 17,440.00
				CONTINGENCY (5%) =	$ 872.00
				SUBTOTAL =	$ 18,312.00
				CONSTRUCTION TOTAL =	**$ 19,410.72**
				ENGINEERING =	$ 1,941.07
				ROADWAY TOTAL =	**$ 21,351.79**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 805,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2038 (YEAR 15) TOTAL =	**$ 1,105,000.00**

2039 (YEAR 16) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,700 WIDTH = 22 TOTAL AREA (SQ YD) = 4,239 HEATHER (QUENTIN TO WEST CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 690 WIDTH = 22 TOTAL AREA (SQ YD) = 2,571 McGREGOR (WEST CDS TO PIPER)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,050 WIDTH = 21.5 TOTAL AREA (SQ YD) = 3,409 PIPER (MCGREGOR TO HEATHER)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 555 WIDTH = 22 TOTAL AREA (SQ YD) = 1,484 HIGHLAND TERRACE (HEATHER TO MCGREGOR)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 2,000 WIDTH = 21 TOTAL AREA (SQ YD) = 5,360 PARK VIEW (OLD MCHENRY TO EAST END)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 1,040 WIDTH = 25 TOTAL AREA (SQ YD) = 2,947 PARK PLACE CI (PARK VIEW TO CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,816	$ 3,816.00	2,314	$ 2,314.00	3,069	$ 3,069.00	1,336	$ 1,336.00	4,824	$ 4,824.00	2,653	$ 2,653.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	179	$ 15,215.00	108	$ 9,180.00	144	$ 12,240.00	63	$ 5,355.00	226	$ 19,210.00	124	$ 10,540.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	357	$ 28,560.00	216	$ 17,280.00	287	$ 22,960.00	125	$ 10,000.00	451	$ 36,080.00	248	$ 19,840.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,239	$ 8,478.00	2,571	$ 5,142.00	3,409	$ 6,818.00	1,484	$ 2,968.00	5,360	$ 10,720.00	2,947	$ 5,894.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	85	$ 3,825.00	52	$ 2,340.00	69	$ 3,105.00	30	$ 1,350.00	108	$ 4,860.00	59	$ 2,655.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	6	$ 750.00	3	$ 375.00	4	$ 500.00	2	$ 250.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	80	$ 2,800.00	42	$ 1,470.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,910.29	1	$ 1,153.88	1	$ 1,533.80	1	$ 669.66	1	$ 2,472.56	1	$ 1,356.14
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,910.29	1	$ 1,153.88	1	$ 1,533.80	1	$ 669.66	1	$ 2,472.56	1	$ 1,356.14
				SUBTOTAL =	$ 60,644.00	SUBTOTAL =	$ 36,631.00	SUBTOTAL =	$ 48,692.00	SUBTOTAL =	$ 21,259.00	SUBTOTAL =	$ 78,494.00	SUBTOTAL =	$ 43,052.00
				CONTINGENCY (5%) =	$ 3,032.20	CONTINGENCY (5%) =	$ 1,831.55	CONTINGENCY (5%) =	$ 2,434.60	CONTINGENCY (5%) =	$ 1,062.95	CONTINGENCY (5%) =	$ 3,924.70	CONTINGENCY (5%) =	$ 2,152.60
				SUBTOTAL =	$ 63,676.20	SUBTOTAL =	$ 38,462.55	SUBTOTAL =	$ 51,126.60	SUBTOTAL =	$ 22,321.95	SUBTOTAL =	$ 82,418.70	SUBTOTAL =	$ 45,204.60
				CONSTRUCTION TOTAL =	**$ 67,496.77**	**CONSTRUCTION TOTAL =**	**$ 40,770.30**	**CONSTRUCTION TOTAL =**	**$ 54,194.20**	**CONSTRUCTION TOTAL =**	**$ 23,661.27**	**CONSTRUCTION TOTAL =**	**$ 87,363.82**	**CONSTRUCTION TOTAL =**	**$ 47,916.88**
				ENGINEERING =	$ 6,749.68	ENGINEERING =	$ 4,077.03	ENGINEERING =	$ 5,419.42	ENGINEERING =	$ 2,366.13	ENGINEERING =	$ 8,736.38	ENGINEERING =	$ 4,791.69
				ROADWAY TOTAL =	**$ 74,246.45**	**ROADWAY TOTAL =**	**$ 44,847.33**	**ROADWAY TOTAL =**	**$ 59,613.62**	**ROADWAY TOTAL =**	**$ 26,027.39**	**ROADWAY TOTAL =**	**$ 96,100.20**	**ROADWAY TOTAL =**	**$ 52,708.56**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2039 (YEAR 16) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,017 WIDTH = 22 TOTAL AREA (SQ YD) = 2,536 LYNN (GLEN TO ROSEWOOD DR NORTH)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 265 WIDTH = 22 TOTAL AREA (SQ YD) = 661 IVY LN (ROSEWOOD TO VILLAGE LIMIT)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 3,696 WIDTH = 22 TOTAL AREA (SQ YD) = 9,216 LYNN (LAGOON TO GLEN)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,007 WIDTH = 22 TOTAL AREA (SQ YD) = 5,505 ROSEWOOD (280' W/LYNN TO NORTH END)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 166 WIDTH = 22 TOTAL AREA (SQ YD) = 1,044 CONDOR (ROSEWOOD TO WEST CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,360 WIDTH = 22 TOTAL AREA (SQ YD) = 6,285 ROSEWOOD (LYNN TO 280' W/LYNN)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,283	$ 2,283.00	595	$ 595.00	8,295	$ 8,295.00	4,955	$ 4,955.00	940	$ 940.00	5,657	$ 5,657.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	107	$ 9,095.00	28	$ 2,380.00	388	$ 32,980.00	232	$ 19,720.00	44	$ 3,740.00	264	$ 22,440.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	214	$ 17,120.00	56	$ 4,480.00	775	$ 62,000.00	463	$ 37,040.00	88	$ 7,040.00	528	$ 42,240.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,536	$ 5,072.00	661	$ 1,322.00	9,216	$ 18,432.00	5,505	$ 11,010.00	1,044	$ 2,088.00	6,285	$ 12,570.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	51	$ 2,295.00	14	$ 630.00	185	$ 8,325.00	111	$ 4,995.00	21	$ 945.00	126	$ 5,670.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	118	$ 14,160.00	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	4	$ 500.00	1	$ 125.00	13	$ 1,625.00	7	$ 875.00	1	$ 125.00	8	$ 1,000.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,145.50	1	$ 746.30	1	$ 4,147.20	1	$ 2,475.74	1	$ 468.66	1	$ 2,821.68
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,145.50	1	$ 746.30	1	$ 4,147.20	1	$ 2,475.74	1	$ 468.66	1	$ 2,821.68
				SUBTOTAL =	$ 36,365.00	SUBTOTAL =	$ 23,692.00	SUBTOTAL =	$ 131,657.00	SUBTOTAL =	$ 78,595.00	SUBTOTAL =	$ 14,878.00	SUBTOTAL =	$ 89,577.00
				CONTINGENCY (5%) =	$ 1,818.25	CONTINGENCY (5%) =	$ 1,184.60	CONTINGENCY (5%) =	$ 6,582.85	CONTINGENCY (5%) =	$ 3,929.75	CONTINGENCY (5%) =	$ 743.90	CONTINGENCY (5%) =	$ 4,478.85
				SUBTOTAL =	$ 38,183.25	SUBTOTAL =	$ 24,876.60	SUBTOTAL =	$ 138,239.85	SUBTOTAL =	$ 82,524.75	SUBTOTAL =	$ 15,621.90	SUBTOTAL =	$ 94,055.85
				CONSTRUCTION TOTAL =	**$ 40,474.25**	**CONSTRUCTION TOTAL =**	**$ 26,369.20**	**CONSTRUCTION TOTAL =**	**$ 146,534.24**	**CONSTRUCTION TOTAL =**	**$ 87,476.24**	**CONSTRUCTION TOTAL =**	**$ 16,559.21**	**CONSTRUCTION TOTAL =**	**$ 99,699.20**
				ENGINEERING =	$ 4,047.42	ENGINEERING =	$ 2,636.92	ENGINEERING =	$ 14,653.42	ENGINEERING =	$ 8,747.62	ENGINEERING =	$ 1,655.92	ENGINEERING =	$ 9,969.92
				ROADWAY TOTAL =	**$ 44,521.67**	**ROADWAY TOTAL =**	**$ 29,006.12**	**ROADWAY TOTAL =**	**$ 161,187.67**	**ROADWAY TOTAL =**	**$ 96,223.86**	**ROADWAY TOTAL =**	**$ 18,215.14**	**ROADWAY TOTAL =**	**$ 109,669.12**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 813,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2039 (YEAR 16) TOTAL =	**$ 1,113,000.00**

6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2040 (YEAR 17) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,981 WIDTH = 22 TOTAL AREA (SQ YD) = 4,940 ORCHARD (ROSEWOOD TO LAGOON)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,770 WIDTH = 22 TOTAL AREA (SQ YD) = 6,907 LAGOON (OLD MCHENRY TO WALNUT)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,467 WIDTH = 22 TOTAL AREA (SQ YD) = 3,658 LAGOON (FALKIRK TO N CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 620 WIDTH = 22 TOTAL AREA (SQ YD) = 1,546 LAGOON (WALNUT TO FALKIRK)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 585 WIDTH = 21 TOTAL AREA (SQ YD) = 1,393 OAK (WEST END TO CIRCLE DR)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 950 WIDTH = 21 TOTAL AREA (SQ YD) = 2,261 CIRCLE (OLD MCHENRY TO CIRCLE)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	4,446	$ 4,446.00	6,217	$ 6,217.00	3,293	$ 3,293.00	1,392	$ 1,392.00	1,254	$ 1,254.00	2,035	$ 2,035.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	208	$ 17,680.00	291	$ 24,735.00	154	$ 13,090.00	65	$ 5,525.00	59	$ 5,015.00	95	$ 8,075.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	415	$ 33,200.00	581	$ 46,480.00	308	$ 24,640.00	130	$ 10,400.00	118	$ 9,440.00	190	$ 15,200.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,940	$ 9,880.00	6,907	$ 13,814.00	3,658	$ 7,316.00	1,546	$ 3,092.00	1,393	$ 2,786.00	2,261	$ 4,522.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	99	$ 4,455.00	139	$ 6,255.00	74	$ 3,330.00	31	$ 1,395.00	28	$ 1,260.00	46	$ 2,070.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	1,232	$ 147,840.00	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	7	$ 875.00	10	$ 1,250.00	10	$ 1,250.00	3	$ 375.00	2	$ 250.00	4	$ 500.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,221.88	1	$ 7,767.62	1	$ 1,666.95	1	$ 698.64	1	$ 630.16	1	$ 1,020.66
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,221.88	1	$ 7,767.62	1	$ 1,666.95	1	$ 698.64	1	$ 630.16	1	$ 1,020.66
				SUBTOTAL =	$ 70,536.00	SUBTOTAL =	$ 246,591.00	SUBTOTAL =	$ 52,919.00	SUBTOTAL =	$ 22,179.00	SUBTOTAL =	$ 20,005.00	SUBTOTAL =	$ 32,402.00
				CONTINGENCY (5%) =	$ 3,526.80	CONTINGENCY (5%) =	$ 12,329.55	CONTINGENCY (5%) =	$ 2,645.95	CONTINGENCY (5%) =	$ 1,108.95	CONTINGENCY (5%) =	$ 1,000.25	CONTINGENCY (5%) =	$ 1,620.10
				SUBTOTAL =	$ 74,062.80	SUBTOTAL =	$ 258,920.55	SUBTOTAL =	$ 55,564.95	SUBTOTAL =	$ 23,287.95	SUBTOTAL =	$ 21,005.25	SUBTOTAL =	$ 34,022.10
				CONSTRUCTION TOTAL =	**$ 78,506.57**	**CONSTRUCTION TOTAL =**	**$ 274,455.78**	**CONSTRUCTION TOTAL =**	**$ 58,898.85**	**CONSTRUCTION TOTAL =**	**$ 24,685.23**	**CONSTRUCTION TOTAL =**	**$ 22,265.57**	**CONSTRUCTION TOTAL =**	**$ 36,063.43**
				ENGINEERING =	$ 7,850.66	ENGINEERING =	$ 27,445.58	ENGINEERING =	$ 5,889.88	ENGINEERING =	$ 2,468.52	ENGINEERING =	$ 2,226.56	ENGINEERING =	$ 3,606.34
				ROADWAY TOTAL =	**$ 86,357.22**	**ROADWAY TOTAL =**	**$ 301,901.36**	**ROADWAY TOTAL =**	**$ 64,788.73**	**ROADWAY TOTAL =**	**$ 27,153.75**	**ROADWAY TOTAL =**	**$ 24,492.12**	**ROADWAY TOTAL =**	**$ 39,669.77**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2040 (YEAR 17) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	FULL DEPTH PCI= 7 EXISTING RIBBON= YES LENGTH = 1,057 WIDTH = 21 TOTAL AREA (SQ YD) = 2,516 VICTORIA (HAWTHORN TO LAGOON)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 656 WIDTH = 20 TOTAL AREA (SQ YD) = 1,487 WALNUT (LAGOON TO HICKORY)		FULL DEPTH PCI= 5 EXISTING RIBBON= YES LENGTH = 1,606 WIDTH = 22 TOTAL AREA (SQ YD) = 4,005 JUEL (DARLINGTON TO ELM)		FULL DEPTH PCI= 5 EXISTING RIBBON= YES LENGTH = 478 WIDTH = 22 TOTAL AREA (SQ YD) = 1,192 JANE (JUEL TO SOUTH CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 793 WIDTH = 21 TOTAL AREA (SQ YD) = 1,888 LYNN (HICKORY TO LAGOON DR)		FULL DEPTH PCI= 6 EXISTING RIBBON= LOT LENGTH = WIDTH = TOTAL AREA (SQ YD) = 2,720 VILLAGE HALL LOT	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	42	$ 1,260.00	0	$ -	67	$ 2,010.00	20	$ 600.00	0	$ -	46	$ 1,380.00
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	126	$ 126.00	0	$ -	201	$ 201.00	60	$ 60.00	0	$ -	136	$ 136.00
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	42	$ 1,260.00	0	$ -	67	$ 2,010.00	20	$ 600.00	0	$ -	46	$ 1,380.00
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	2,516	$ 2,516.00	0	$ -	4,005	$ 4,005.00	1,192	$ 1,192.00	0	$ -	2,720	$ 2,720.00
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	67	$ 1,340.00	0	$ -	106	$ 2,120.00	32	$ 640.00	0	$ -	72	$ 1,440.00
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,265	$ 2,265.00	1,339	$ 1,339.00	3,605	$ 3,605.00	1,073	$ 1,073.00	1,700	$ 1,700.00	2,448	$ 2,448.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	0	$ -	63	$ 5,355.00	0	$ -	0	$ -	80	$ 6,800.00	0	$ -
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	353	$ 28,240.00	0	$ -	561	$ 44,880.00	167	$ 13,360.00	0	$ -	381	$ 30,480.00
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	282	$ 22,560.00	125	$ 10,000.00	449	$ 35,920.00	134	$ 10,720.00	159	$ 12,720.00	305	$ 24,400.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	0	$ -	1,487	$ 2,974.00	0	$ -	0	$ -	1,888	$ 3,776.00	0	$ -
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	2,516	$ 10,064.00	0	$ -	4,005	$ 16,020.00	1,192	$ 4,768.00	0	$ -	2,720	$ 10,880.00
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	0	$ -	30	$ 1,350.00	0	$ -	0	$ -	38	$ 1,710.00	0	$ -
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	4	$ 500.00	3	$ 375.00	6	$ 750.00	2	$ 250.00	3	$ 375.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,209.13	1	$ 673.88	1	$ 3,512.91	1	$ 1,047.78	1	$ 853.05	1	$ 2,449.57
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,209.13	1	$ 673.88	1	$ 3,512.91	1	$ 1,047.78	1	$ 853.05	1	$ 2,449.57
				SUBTOTAL =	$ 70,131.00	SUBTOTAL =	$ 21,393.00	SUBTOTAL =	$ 111,521.00	SUBTOTAL =	$ 33,263.00	SUBTOTAL =	$ 27,081.00	SUBTOTAL =	$ 77,764.00
				CONTINGENCY (5%) =	$ 3,506.55	CONTINGENCY (5%) =	$ 1,069.65	CONTINGENCY (5%) =	$ 5,576.05	CONTINGENCY (5%) =	$ 1,663.15	CONTINGENCY (5%) =	$ 1,354.05	CONTINGENCY (5%) =	$ 3,888.20
				SUBTOTAL =	$ 73,637.55	SUBTOTAL =	$ 22,462.65	SUBTOTAL =	$ 117,097.05	SUBTOTAL =	$ 34,926.15	SUBTOTAL =	$ 28,435.05	SUBTOTAL =	$ 81,652.20
				CONSTRUCTION TOTAL =	**$ 78,055.80**	**CONSTRUCTION TOTAL =**	**$ 23,810.41**	**CONSTRUCTION TOTAL =**	**$ 124,122.87**	**CONSTRUCTION TOTAL =**	**$ 37,021.72**	**CONSTRUCTION TOTAL =**	**$ 30,141.15**	**CONSTRUCTION TOTAL =**	**$ 86,551.33**
				ENGINEERING =	$ 7,805.58	ENGINEERING =	$ 2,381.04	ENGINEERING =	$ 12,412.29	ENGINEERING =	$ 3,702.17	ENGINEERING =	$ 3,014.12	ENGINEERING =	$ 8,655.13
				ROADWAY TOTAL =	**$ 85,861.38**	**ROADWAY TOTAL =**	**$ 26,191.45**	**ROADWAY TOTAL =**	**$ 136,535.16**	**ROADWAY TOTAL =**	**$ 40,723.89**	**ROADWAY TOTAL =**	**$ 33,155.27**	**ROADWAY TOTAL =**	**$ 95,206.47**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 963,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2040 (YEAR 17) TOTAL =	**$ 1,263,000.00**

2041 (YEAR 18) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	MARK (DARLINGTON TO SOUTH CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 5,200 WIDTH = 22 TOTAL AREA (SQ YD) = 12,966		NEWBURY (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 300 WIDTH = 22 TOTAL AREA (SQ YD) = 1,298		HAMPTON (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 295 WIDTH = 22 TOTAL AREA (SQ YD) = 1,436		ESSEX (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 300 WIDTH = 22 TOTAL AREA (SQ YD) = 1,418		CANTERBURY (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 245 WIDTH = 22 TOTAL AREA (SQ YD) = 1,271		BRIGHTON (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 235 WIDTH = 22 TOTAL AREA (SQ YD) = 1,256	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	11,670	$ 11,670.00	1,169	$ 1,169.00	1,293	$ 1,293.00	1,277	$ 1,277.00	1,144	$ 1,144.00	1,131	$ 1,131.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	545	$ 46,325.00	55	$ 4,675.00	61	$ 5,185.00	60	$ 5,100.00	54	$ 4,590.00	53	$ 4,505.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	1,090	$ 87,200.00	110	$ 8,800.00	121	$ 9,680.00	120	$ 9,600.00	107	$ 8,560.00	106	$ 8,480.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	12,966	$ 25,932.00	1,298	$ 2,596.00	1,436	$ 2,872.00	1,418	$ 2,836.00	1,271	$ 2,542.00	1,256	$ 2,512.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	260	$ 11,700.00	26	$ 1,170.00	29	$ 1,305.00	29	$ 1,305.00	26	$ 1,170.00	26	$ 1,170.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	18	$ 2,250.00	1	$ 125.00	1	$ 125.00	1	$ 125.00	1	$ 125.00	1	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 5,829.93	1	$ 583.85	1	$ 644.49	1	$ 637.65	1	$ 571.13	1	$ 564.57
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 5,829.93	1	$ 583.85	1	$ 644.49	1	$ 637.65	1	$ 571.13	1	$ 564.57
				SUBTOTAL =	$ 185,077.00	SUBTOTAL =	$ 18,535.00	SUBTOTAL =	$ 20,460.00	SUBTOTAL =	$ 20,243.00	SUBTOTAL =	$ 18,131.00	SUBTOTAL =	$ 17,923.00
				CONTINGENCY (5%) =	$ 9,253.85	CONTINGENCY (5%) =	$ 926.75	CONTINGENCY (5%) =	$ 1,023.00	CONTINGENCY (5%) =	$ 1,012.15	CONTINGENCY (5%) =	$ 906.55	CONTINGENCY (5%) =	$ 896.15
				SUBTOTAL =	$ 194,330.85	SUBTOTAL =	$ 19,461.75	SUBTOTAL =	$ 21,483.00	SUBTOTAL =	$ 21,255.15	SUBTOTAL =	$ 19,037.55	SUBTOTAL =	$ 18,819.15
				CONSTRUCTION TOTAL =	**$ 205,990.70**	**CONSTRUCTION TOTAL =**	**$ 20,629.46**	**CONSTRUCTION TOTAL =**	**$ 22,771.98**	**CONSTRUCTION TOTAL =**	**$ 22,530.46**	**CONSTRUCTION TOTAL =**	**$ 20,179.80**	**CONSTRUCTION TOTAL =**	**$ 19,948.30**
				ENGINEERING =	$ 20,599.07	ENGINEERING =	$ 2,062.95	ENGINEERING =	$ 2,277.20	ENGINEERING =	$ 2,253.05	ENGINEERING =	$ 2,017.98	ENGINEERING =	$ 1,994.83
				ROADWAY TOTAL =	**$ 226,589.77**	**ROADWAY TOTAL =**	**$ 22,692.40**	**ROADWAY TOTAL =**	**$ 25,049.18**	**ROADWAY TOTAL =**	**$ 24,783.50**	**ROADWAY TOTAL =**	**$ 22,197.78**	**ROADWAY TOTAL =**	**$ 21,943.13**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2041 (YEAR 18) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	ROBERT (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 284 WIDTH = 22 TOTAL AREA (SQ YD) = 1,049		EDWARD (MARK TO EAST CDS) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 500 WIDTH = 22 TOTAL AREA (SQ YD) = 1,747		LISA (MARK TO EAST CDS) GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 886 WIDTH = 22 TOTAL AREA (SQ YD) = 2,560		WILD WAY (MARK TO WEST END) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 270 WIDTH = 22 TOTAL AREA (SQ YD) = 674		JAMIE LANE (MARK TO TRENT) GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 592 WIDTH = 22 TOTAL AREA (SQ YD) = 1,477		NORBERT (DARLINGTON TO JOHN) GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,844 WIDTH = 22 TOTAL AREA (SQ YD) = 4,598	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	945	$ 945.00	1,573	$ 1,573.00	2,304	$ 2,304.00	607	$ 607.00	1,330	$ 1,330.00	4,139	$ 4,139.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	45	$ 3,825.00	74	$ 6,290.00	108	$ 9,180.00	29	$ 2,465.00	63	$ 5,355.00	194	$ 16,490.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	89	$ 7,120.00	147	$ 11,760.00	216	$ 17,280.00	57	$ 4,560.00	125	$ 10,000.00	387	$ 30,960.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,049	$ 2,098.00	1,747	$ 3,494.00	2,560	$ 5,120.00	674	$ 1,348.00	1,477	$ 2,954.00	4,598	$ 9,196.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	21	$ 945.00	35	$ 1,575.00	52	$ 2,340.00	14	$ 630.00	30	$ 1,350.00	92	$ 4,140.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	1	$ 125.00	2	$ 250.00	3	$ 375.00	1	$ 125.00	2	$ 250.00	7	$ 875.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 474.33	1	$ 785.67	1	$ 1,152.87	1	$ 306.65	1	$ 669.03	1	$ 2,072.70
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 474.33	1	$ 785.67	1	$ 1,152.87	1	$ 306.65	1	$ 669.03	1	$ 2,072.70
				SUBTOTAL =	$ 15,058.00	SUBTOTAL =	$ 24,942.00	SUBTOTAL =	$ 36,599.00	SUBTOTAL =	$ 9,735.00	SUBTOTAL =	$ 21,239.00	SUBTOTAL =	$ 65,800.00
				CONTINGENCY (5%) =	$ 752.90	CONTINGENCY (5%) =	$ 1,247.10	CONTINGENCY (5%) =	$ 1,829.95	CONTINGENCY (5%) =	$ 486.75	CONTINGENCY (5%) =	$ 1,061.95	CONTINGENCY (5%) =	$ 3,290.00
				SUBTOTAL =	$ 15,810.90	SUBTOTAL =	$ 26,189.10	SUBTOTAL =	$ 38,428.95	SUBTOTAL =	$ 10,221.75	SUBTOTAL =	$ 22,300.95	SUBTOTAL =	$ 69,090.00
				CONSTRUCTION TOTAL =	**$ 16,759.55**	**CONSTRUCTION TOTAL =**	**$ 27,760.45**	**CONSTRUCTION TOTAL =**	**$ 40,734.69**	**CONSTRUCTION TOTAL =**	**$ 10,835.06**	**CONSTRUCTION TOTAL =**	**$ 23,639.01**	**CONSTRUCTION TOTAL =**	**$ 73,235.40**
				ENGINEERING =	$ 1,675.96	ENGINEERING =	$ 2,776.04	ENGINEERING =	$ 4,073.47	ENGINEERING =	$ 1,083.51	ENGINEERING =	$ 2,363.90	ENGINEERING =	$ 7,323.54
				ROADWAY TOTAL =	$ 18,435.51	**ROADWAY TOTAL =**	**$ 30,536.49**	**ROADWAY TOTAL =**	**$ 44,808.16**	**ROADWAY TOTAL =**	**$ 11,918.56**	**ROADWAY TOTAL =**	**$ 26,002.91**	**ROADWAY TOTAL =**	**$ 80,558.94**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2041 (YEAR 18) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	6	PCI=	4	PCI=	6	PCI=	6	PCI=	6	PCI=	4
				EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES
				LENGTH =	1,158	LENGTH =	480	LENGTH =	407	LENGTH =	1,894	LENGTH =	276	LENGTH =	2,165
				WIDTH =	22	WIDTH =	22	WIDTH =	24	WIDTH =	22	WIDTH =	22	WIDTH =	21
				TOTAL AREA (SQ YD) =	2,888	TOTAL AREA (SQ YD) =	1,197	TOTAL AREA (SQ YD) =	2,078	TOTAL AREA (SQ YD) =	4,723	TOTAL AREA (SQ YD) =	1,109	TOTAL AREA (SQ YD) =	5,153
				JAMES DR (DARLINGTON TO JOHN)		JAMES DR (MARK TO JOHN)		ENCLAVE WAY (JOHN TO S CDS)		JOHN (DARLINGTON TO ENCLAVE WAY)		HERON (EAST CDS TO DARLINGTON)		TRENT (DARLINGTON TO DARLINGTON)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,600	$ 2,600.00	1,078	$ 1,078.00	1,871	$ 1,871.00	4,251	$ 4,251.00	999	$ 999.00	4,638	$ 4,638.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	122	$ 10,370.00	51	$ 4,335.00	88	$ 7,480.00	199	$ 16,915.00	47	$ 3,995.00	217	$ 18,445.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	243	$ 19,440.00	101	$ 8,080.00	175	$ 14,000.00	397	$ 31,760.00	94	$ 7,520.00	433	$ 34,640.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,888	$ 5,776.00	1,197	$ 2,394.00	2,078	$ 4,156.00	4,723	$ 9,446.00	1,109	$ 2,218.00	5,153	$ 10,306.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	58	$ 2,610.00	24	$ 1,080.00	42	$ 1,890.00	95	$ 4,275.00	23	$ 1,035.00	104	$ 4,680.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	4	$ 500.00	2	$ 250.00	2	$ 250.00	7	$ 875.00	1	$ 125.00	8	$ 1,000.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,300.82	1	$ 542.34	1	$ 933.88	1	$ 2,126.94	1	$ 500.60	1	$ 2,321.83
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,300.82	1	$ 542.34	1	$ 933.88	1	$ 2,126.94	1	$ 500.60	1	$ 2,321.83
				SUBTOTAL =	$ 41,296.00	SUBTOTAL =	$ 17,217.00	SUBTOTAL =	$ 29,647.00	SUBTOTAL =	$ 67,522.00	SUBTOTAL =	$ 15,892.00	SUBTOTAL =	$ 73,709.00
				CONTINGENCY (5%) =	$ 2,064.80	CONTINGENCY (5%) =	$ 860.85	CONTINGENCY (5%) =	$ 1,482.35	CONTINGENCY (5%) =	$ 3,376.10	CONTINGENCY (5%) =	$ 794.60	CONTINGENCY (5%) =	$ 3,685.45
				SUBTOTAL =	$ 43,360.80	SUBTOTAL =	$ 18,077.85	SUBTOTAL =	$ 31,129.35	SUBTOTAL =	$ 70,898.10	SUBTOTAL =	$ 16,686.60	SUBTOTAL =	$ 77,394.45
				CONSTRUCTION TOTAL =	**$ 45,962.45**	**CONSTRUCTION TOTAL =**	**$ 19,162.52**	**CONSTRUCTION TOTAL =**	**$ 32,997.11**	**CONSTRUCTION TOTAL =**	**$ 75,151.99**	**CONSTRUCTION TOTAL =**	**$ 17,687.80**	**CONSTRUCTION TOTAL =**	**$ 82,038.12**
				ENGINEERING =	$ 4,596.24	ENGINEERING =	$ 1,916.25	ENGINEERING =	$ 3,299.71	ENGINEERING =	$ 7,515.20	ENGINEERING =	$ 1,768.78	ENGINEERING =	$ 8,203.81
				ROADWAY TOTAL =	**$ 50,558.69**	**ROADWAY TOTAL =**	**$ 21,078.77**	**ROADWAY TOTAL =**	**$ 36,296.82**	**ROADWAY TOTAL =**	**$ 82,667.18**	**ROADWAY TOTAL =**	**$ 19,456.58**	**ROADWAY TOTAL =**	**$ 90,241.93**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 856,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2041 (YEAR 18) TOTAL =	**$ 1,156,000.00**

2042 (YEAR 19) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	6	PCI=	6	PCI=	5	PCI=	6	PCI=	6	PCI=	6
				EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES
				LENGTH =	4,265	LENGTH =	2,200	LENGTH =	948	LENGTH =	1,358	LENGTH =	1,920	LENGTH =	1,777
				WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22
				TOTAL AREA (SQ YD) =	10,635	TOTAL AREA (SQ YD) =	5,486	TOTAL AREA (SQ YD) =	2,364	TOTAL AREA (SQ YD) =	3,386	TOTAL AREA (SQ YD) =	4,788	TOTAL AREA (SQ YD) =	5,901
				DARLINGTON (JUEL TO GILMER)		DARLINGTON (OLD MCHENRY TO JUEL)		STONE HAVEN (CARLISLE TO DARLINGTON)		CROYDEN (STONEHAVEN TO GLEN)		ABERDEEN (DARLINGTON TO DARLINGTON)		HIGHVIEW CI (CARLISLE TO CARLISLE)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	9,572	$ 9,572.00	4,938	$ 4,938.00	2,128	$ 2,128.00	3,048	$ 3,048.00	4,310	$ 4,310.00	5,311	$ 5,311.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	447	$ 37,995.00	231	$ 19,635.00	100	$ 8,500.00	143	$ 12,155.00	202	$ 17,170.00	248	$ 21,080.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	894	$ 71,520.00	461	$ 36,880.00	199	$ 15,920.00	285	$ 22,800.00	403	$ 32,240.00	496	$ 39,680.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	10,635	$ 21,270.00	5,486	$ 10,972.00	2,364	$ 4,728.00	3,386	$ 6,772.00	4,788	$ 9,576.00	5,901	$ 11,802.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	213	$ 9,585.00	110	$ 4,950.00	48	$ 2,160.00	68	$ 3,060.00	96	$ 4,320.00	119	$ 5,355.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	15	$ 1,875.00	8	$ 1,000.00	4	$ 500.00	10	$ 1,250.00	7	$ 875.00	6	$ 750.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 4,782.24	1	$ 2,468.81	1	$ 1,068.98	1	$ 1,546.18	1	$ 2,157.47	1	$ 2,645.31
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 4,782.24	1	$ 2,468.81	1	$ 1,068.98	1	$ 1,546.18	1	$ 2,157.47	1	$ 2,645.31
				SUBTOTAL =	$ 151,817.00	SUBTOTAL =	$ 78,375.00	SUBTOTAL =	$ 33,936.00	SUBTOTAL =	$ 49,085.00	SUBTOTAL =	$ 68,491.00	SUBTOTAL =	$ 83,978.00
				CONTINGENCY (5%) =	$ 7,590.85	CONTINGENCY (5%) =	$ 3,918.75	CONTINGENCY (5%) =	$ 1,696.80	CONTINGENCY (5%) =	$ 2,454.25	CONTINGENCY (5%) =	$ 3,424.55	CONTINGENCY (5%) =	$ 4,198.90
				SUBTOTAL =	$ 159,407.85	SUBTOTAL =	$ 82,293.75	SUBTOTAL =	$ 35,632.80	SUBTOTAL =	$ 51,539.25	SUBTOTAL =	$ 71,915.55	SUBTOTAL =	$ 88,176.90
				CONSTRUCTION TOTAL =	**$ 168,972.32**	**CONSTRUCTION TOTAL =**	**$ 87,231.38**	**CONSTRUCTION TOTAL =**	**$ 37,770.77**	**CONSTRUCTION TOTAL =**	**$ 54,631.61**	**CONSTRUCTION TOTAL =**	**$ 76,230.48**	**CONSTRUCTION TOTAL =**	**$ 93,487.51**
				ENGINEERING =	$ 16,897.23	ENGINEERING =	$ 8,723.14	ENGINEERING =	$ 3,777.08	ENGINEERING =	$ 5,463.16	ENGINEERING =	$ 7,623.05	ENGINEERING =	$ 9,346.75
				ROADWAY TOTAL =	**$ 185,869.55**	**ROADWAY TOTAL =**	**$ 95,954.51**	**ROADWAY TOTAL =**	**$ 41,547.84**	**ROADWAY TOTAL =**	**$ 60,094.77**	**ROADWAY TOTAL =**	**$ 83,853.53**	**ROADWAY TOTAL =**	**$ 102,814.27**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2042 (YEAR 19) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 983 WIDTH = 22 TOTAL AREA (SQ YD) = 2,451 CARLISLE (GLEN TO N. HIGHVIEW CI)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 2,325 WIDTH = 22 TOTAL AREA (SQ YD) = 5,797 CARLISLE (DARLINGTON TO HIGHVIEW)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,500 WIDTH = 22 TOTAL AREA (SQ YD) = 4,440 UNIVERSITY (CARLISLE TO CARLISLE)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 878 WIDTH = 22 TOTAL AREA (SQ YD) = 2,190 GLEN (DARLINGTON TO CARLISLE)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 941 WIDTH = 22 TOTAL AREA (SQ YD) = 2,347 FALKIRK (DARLINGTON TO CARLISLE)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,206	$ 2,206.00	5,218	$ 5,218.00	3,996	$ 3,996.00	1,971	$ 1,971.00	2,113	$ 2,113.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	103	$ 8,755.00	244	$ 20,740.00	187	$ 15,895.00	92	$ 7,820.00	99	$ 8,415.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	206	$ 16,480.00	487	$ 38,960.00	373	$ 29,840.00	184	$ 14,720.00	198	$ 15,840.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,451	$ 4,902.00	5,797	$ 11,594.00	4,440	$ 8,880.00	2,190	$ 4,380.00	2,347	$ 4,694.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	50	$ 2,250.00	116	$ 5,220.00	89	$ 4,005.00	44	$ 1,980.00	47	$ 2,115.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	4	$ 500.00	16	$ 2,000.00	5	$ 625.00	3	$ 375.00	7	$ 875.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,105.43	1	$ 2,637.56	1	$ 1,992.09	1	$ 984.25	1	$ 1,072.64
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,105.43	1	$ 2,637.56	1	$ 1,992.09	1	$ 984.25	1	$ 1,072.64
				SUBTOTAL =	$ 35,093.00	SUBTOTAL =	$ 83,732.00	SUBTOTAL =	$ 63,241.00	SUBTOTAL =	$ 31,246.00	SUBTOTAL =	$ 34,052.00
				CONTINGENCY (5%) =	$ 1,754.65	CONTINGENCY (5%) =	$ 4,186.60	CONTINGENCY (5%) =	$ 3,162.05	CONTINGENCY (5%) =	$ 1,562.30	CONTINGENCY (5%) =	$ 1,702.60
				SUBTOTAL =	$ 36,847.65	SUBTOTAL =	$ 87,918.60	SUBTOTAL =	$ 66,403.05	SUBTOTAL =	$ 32,808.30	SUBTOTAL =	$ 35,754.60
				CONSTRUCTION TOTAL =	**$ 39,058.51**	**CONSTRUCTION TOTAL =**	**$ 93,193.72**	**CONSTRUCTION TOTAL =**	**$ 70,387.23**	**CONSTRUCTION TOTAL =**	**$ 34,776.80**	**CONSTRUCTION TOTAL =**	**$ 37,899.88**
				ENGINEERING =	$ 3,905.85	ENGINEERING =	$ 9,319.37	ENGINEERING =	$ 7,038.72	ENGINEERING =	$ 3,477.68	ENGINEERING =	$ 3,789.99
				ROADWAY TOTAL =	**$ 42,964.36**	**ROADWAY TOTAL =**	**$ 102,513.09**	**ROADWAY TOTAL =**	**$ 77,425.96**	**ROADWAY TOTAL =**	**$ 38,254.48**	**ROADWAY TOTAL =**	**$ 41,689.86**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 873,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2042 (YEAR 19) TOTAL =	**$ 1,173,000.00**

2043 (YEAR 20) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,852 WIDTH = 22 TOTAL AREA (SQ YD) = 4,618 WASHITAY (SENECA W. TO SENECA E.)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 1,763 WIDTH = 22 TOTAL AREA (SQ YD) = 4,396 SENECA WEST (INDIAN CREEK TO WASHITAY)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 2,095 WIDTH = 22 TOTAL AREA (SQ YD) = 5,224 SENECA EAST (WASHITAY TO INDIAN CREEK)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,556 WIDTH = 22 TOTAL AREA (SQ YD) = 3,880 ONONDAGA (SENECA EAST TO SENECA WEST)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,443 WIDTH = 22 TOTAL AREA (SQ YD) = 4,348 SENECA WEST (S. CDS TO INDIAN CREEK)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 520 WIDTH = 22 TOTAL AREA (SQ YD) = 2,197 CAYUGA (SENECA EAST TO WEST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	4,157	$ 4,157.00	3,957	$ 3,957.00	4,702	$ 4,702.00	3,492	$ 3,492.00	3,914	$ 3,914.00	1,978	$ 1,978.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	194	$ 16,490.00	185	$ 15,725.00	220	$ 18,700.00	163	$ 13,855.00	183	$ 15,555.00	93	$ 7,905.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	388	$ 31,040.00	370	$ 29,600.00	439	$ 35,120.00	326	$ 26,080.00	366	$ 29,280.00	185	$ 14,800.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,618	$ 9,236.00	4,396	$ 8,792.00	5,224	$ 10,448.00	3,880	$ 7,760.00	4,348	$ 8,696.00	2,197	$ 4,394.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	93	$ 4,185.00	88	$ 3,960.00	105	$ 4,725.00	78	$ 3,510.00	87	$ 3,915.00	44	$ 1,980.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	7	$ 875.00	6	$ 750.00	7	$ 875.00	6	$ 750.00	5	$ 625.00	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,078.46	1	$ 1,977.70	1	$ 2,348.96	1	$ 1,746.58	1	$ 1,952.53	1	$ 986.17
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,078.46	1	$ 1,977.70	1	$ 2,348.96	1	$ 1,746.58	1	$ 1,952.53	1	$ 986.17
				SUBTOTAL =	$ 65,983.00	SUBTOTAL =	$ 62,784.00	SUBTOTAL =	$ 74,570.00	SUBTOTAL =	$ 55,447.00	SUBTOTAL =	$ 61,985.00	SUBTOTAL =	$ 31,307.00
				CONTINGENCY (5%) =	$ 3,299.15	CONTINGENCY (5%) =	$ 3,139.20	CONTINGENCY (5%) =	$ 3,728.50	CONTINGENCY (5%) =	$ 2,772.35	CONTINGENCY (5%) =	$ 3,099.25	CONTINGENCY (5%) =	$ 1,565.35
				SUBTOTAL =	$ 69,282.15	SUBTOTAL =	$ 65,923.20	SUBTOTAL =	$ 78,298.50	SUBTOTAL =	$ 58,219.35	SUBTOTAL =	$ 65,084.25	SUBTOTAL =	$ 32,872.35
				CONSTRUCTION TOTAL =	**$ 73,439.08**	**CONSTRUCTION TOTAL =**	**$ 69,878.59**	**CONSTRUCTION TOTAL =**	**$ 82,996.41**	**CONSTRUCTION TOTAL =**	**$ 61,712.51**	**CONSTRUCTION TOTAL =**	**$ 68,989.31**	**CONSTRUCTION TOTAL =**	**$ 34,844.69**
				ENGINEERING =	$ 7,343.91	ENGINEERING =	$ 6,987.86	ENGINEERING =	$ 8,299.64	ENGINEERING =	$ 6,171.25	ENGINEERING =	$ 6,898.93	ENGINEERING =	$ 3,484.47
				ROADWAY TOTAL =	**$ 80,782.99**	**ROADWAY TOTAL =**	**$ 76,866.45**	**ROADWAY TOTAL =**	**$ 91,296.05**	**ROADWAY TOTAL =**	**$ 67,883.76**	**ROADWAY TOTAL =**	**$ 75,888.24**	**ROADWAY TOTAL =**	**$ 38,329.16**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2043 (YEAR 20) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 220 WIDTH = 22 TOTAL AREA (SQ YD) = 1,249 CONESUS (SENECA EAST TO WEST CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,362 WIDTH = 22 TOTAL AREA (SQ YD) = 3,396 ONEIDA (WASHITAY TO SENECA WEST)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 185 WIDTH = 22 TOTAL AREA (SQ YD) = 1,162 KEUKA (SENECA EAST TO WEST CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 195 WIDTH = 22 TOTAL AREA (SQ YD) = 1,187 WAKIA (SENECA WEST TO EAST CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 2,337 WIDTH = 22 TOTAL AREA (SQ YD) = 5,827 CAMBRIDGE (CARLISLE TO GILMER)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 385 WIDTH = 21.5 TOTAL AREA (SQ YD) = 969 DARTMOUTH (CAMBRIDGE TO VILLAGE LIMIT)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,125	$ 1,125.00	3,057	$ 3,057.00	1,046	$ 1,046.00	1,069	$ 1,069.00	5,245	$ 5,245.00	873	$ 873.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	53	$ 4,505.00	143	$ 12,155.00	49	$ 4,165.00	50	$ 4,250.00	245	$ 20,825.00	41	$ 3,485.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	105	$ 8,400.00	286	$ 22,880.00	98	$ 7,840.00	100	$ 8,000.00	490	$ 39,200.00	82	$ 6,560.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,249	$ 2,498.00	3,396	$ 6,792.00	1,162	$ 2,324.00	1,187	$ 2,374.00	5,827	$ 11,654.00	969	$ 1,938.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	25	$ 1,125.00	68	$ 3,060.00	24	$ 1,080.00	24	$ 1,080.00	117	$ 5,265.00	20	$ 900.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	1	$ 125.00	5	$ 625.00	1	$ 125.00	1	$ 125.00	8	$ 1,000.00	2	$ 250.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 560.01	1	$ 1,529.92	1	$ 522.27	1	$ 532.29	1	$ 2,620.45	1	$ 441.19
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 560.01	1	$ 1,529.92	1	$ 522.27	1	$ 532.29	1	$ 2,620.45	1	$ 441.19
				SUBTOTAL =	$ 17,778.00	SUBTOTAL =	$ 48,569.00	SUBTOTAL =	$ 16,580.00	SUBTOTAL =	$ 16,898.00	SUBTOTAL =	$ 83,189.00	SUBTOTAL =	$ 14,006.00
				CONTINGENCY (5%) =	$ 888.90	CONTINGENCY (5%) =	$ 2,428.45	CONTINGENCY (5%) =	$ 829.00	CONTINGENCY (5%) =	$ 844.90	CONTINGENCY (5%) =	$ 4,159.45	CONTINGENCY (5%) =	$ 700.30
				SUBTOTAL =	$ 18,666.90	SUBTOTAL =	$ 50,997.45	SUBTOTAL =	$ 17,409.00	SUBTOTAL =	$ 17,742.90	SUBTOTAL =	$ 87,348.45	SUBTOTAL =	$ 14,706.30
				CONSTRUCTION TOTAL =	**$ 19,786.91**	**CONSTRUCTION TOTAL =**	**$ 54,057.30**	**CONSTRUCTION TOTAL =**	**$ 18,453.54**	**CONSTRUCTION TOTAL =**	**$ 18,807.47**	**CONSTRUCTION TOTAL =**	**$ 92,589.36**	**CONSTRUCTION TOTAL =**	**$ 15,588.68**
				ENGINEERING =	$ 1,978.69	ENGINEERING =	$ 5,405.73	ENGINEERING =	$ 1,845.35	ENGINEERING =	$ 1,880.75	ENGINEERING =	$ 9,258.94	ENGINEERING =	$ 1,558.87
				ROADWAY TOTAL =	**$ 21,765.61**	**ROADWAY TOTAL =**	**$ 59,463.03**	**ROADWAY TOTAL =**	**$ 20,298.89**	**ROADWAY TOTAL =**	**$ 20,688.22**	**ROADWAY TOTAL =**	**$ 101,848.29**	**ROADWAY TOTAL =**	**$ 17,147.55**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2043 (YEAR 20) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 1,278 WIDTH = 22 TOTAL AREA (SQ YD) = 3,187 HARVARD (CAMBRIDGE TO CAMBRIDGE)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 175 WIDTH = 22 TOTAL AREA (SQ YD) = 1,367 YALE (HARVARD TO EAST CDS)		GRIND & OVERLAY PCI= 4 EXISTING RIBBON= YES LENGTH = 708 WIDTH = 22 TOTAL AREA (SQ YD) = 2,366 PRINCETON (CAMBRIDGE TO NORTH CDS)		GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 190 WIDTH = 22 TOTAL AREA (SQ YD) = 474 AHO (SENECA EAST TO EAST END)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,869	$ 2,869.00	1,231	$ 1,231.00	2,130	$ 2,130.00	427	$ 427.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	134	$ 11,390.00	58	$ 4,930.00	100	$ 8,500.00	20	$ 1,700.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	268	$ 21,440.00	115	$ 9,200.00	199	$ 15,920.00	40	$ 3,200.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,187	$ 6,374.00	1,367	$ 2,734.00	2,366	$ 4,732.00	474	$ 948.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	64	$ 2,880.00	28	$ 1,260.00	48	$ 2,160.00	10	$ 450.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	5	$ 625.00	1	$ 125.00	3	$ 375.00	1	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,435.71	1	$ 613.62	1	$ 1,065.24	1	$ 215.78
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,435.71	1	$ 613.62	1	$ 1,065.24	1	$ 215.78
				SUBTOTAL =	$ 45,578.00	SUBTOTAL =	$ 19,480.00	SUBTOTAL =	$ 33,817.00	SUBTOTAL =	$ 6,850.00
				CONTINGENCY (5%) =	$ 2,278.90	CONTINGENCY (5%) =	$ 974.00	CONTINGENCY (5%) =	$ 1,690.85	CONTINGENCY (5%) =	$ 342.50
				SUBTOTAL =	$ 47,856.90	SUBTOTAL =	$ 20,454.00	SUBTOTAL =	$ 35,507.85	SUBTOTAL =	$ 7,192.50
				CONSTRUCTION TOTAL =	**$ 50,728.31**	**CONSTRUCTION TOTAL =**	**$ 21,681.24**	**CONSTRUCTION TOTAL =**	**$ 37,638.32**	**CONSTRUCTION TOTAL =**	**$ 7,624.05**
				ENGINEERING =	$ 5,072.83	ENGINEERING =	$ 2,168.12	ENGINEERING =	$ 3,763.83	ENGINEERING =	$ 762.41
				ROADWAY TOTAL =	**$ 55,801.15**	**ROADWAY TOTAL =**	**$ 23,849.36**	**ROADWAY TOTAL =**	**$ 41,402.15**	**ROADWAY TOTAL =**	**$ 8,386.46**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 802,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2043 (YEAR 20) TOTAL =	**$ 1,102,000.00**

2044 (YEAR 21) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	4	PCI=	5	PCI=	4	PCI=	4	PCI=	4	PCI=	4
				EXISTING RIBBON=	C+G	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES
				LENGTH =	426	LENGTH =	2,196	LENGTH =	3,302	LENGTH =	150	LENGTH =	500	LENGTH =	142
				WIDTH =	22 TO 55	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22
				TOTAL AREA (SQ YD) =	2,289	TOTAL AREA (SQ YD) =	5,476	TOTAL AREA (SQ YD) =	8,233	TOTAL AREA (SQ YD) =	844	TOTAL AREA (SQ YD) =	1,777	TOTAL AREA (SQ YD) =	955
				HILLCREST (VILLAGE LIMIT TO LAKEVIEW)		LAKEVIEW (HILLCREST TO OLD BARN)		OLD BARN (HILLCREST TO VILLAGE LIMIT)		SUNSET (OLD BARN TO NORTH CDS)		QUAIL HOLLOW (SOUTH CDS TO NORTH CDS)		HILLTOP (OLD BARN 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
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,061	$ 2,061.00	4,929	$ 4,929.00	7,410	$ 7,410.00	760	$ 760.00	1,600	$ 1,600.00	860	$ 860.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	97	$ 8,245.00	230	$ 19,550.00	346	$ 29,410.00	36	$ 3,060.00	75	$ 6,375.00	41	$ 3,485.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	193	$ 15,440.00	460	$ 36,800.00	692	$ 55,360.00	71	$ 5,680.00	150	$ 12,000.00	81	$ 6,480.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,289	$ 4,578.00	5,476	$ 10,952.00	8,233	$ 16,466.00	844	$ 1,688.00	1,777	$ 3,554.00	955	$ 1,910.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	46	$ 2,070.00	110	$ 4,950.00	165	$ 7,425.00	17	$ 765.00	36	$ 1,620.00	20	$ 900.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	8	$ 1,000.00	12	$ 1,500.00	1	$ 125.00	2	$ 250.00	1	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	18	$ 630.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,040.26	1	$ 2,462.70	1	$ 3,703.49	1	$ 380.46	1	$ 800.07	1	$ 433.44
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,040.26	1	$ 2,462.70	1	$ 3,703.49	1	$ 380.46	1	$ 800.07	1	$ 433.44
				SUBTOTAL =	$ 33,024.00	SUBTOTAL =	$ 78,181.00	SUBTOTAL =	$ 117,571.00	SUBTOTAL =	$ 12,078.00	SUBTOTAL =	$ 25,399.00	SUBTOTAL =	$ 13,760.00
				CONTINGENCY (5%) =	$ 1,651.20	CONTINGENCY (5%) =	$ 3,909.05	CONTINGENCY (5%) =	$ 5,878.55	CONTINGENCY (5%) =	$ 603.90	CONTINGENCY (5%) =	$ 1,269.95	CONTINGENCY (5%) =	$ 688.00
				SUBTOTAL =	$ 34,675.20	SUBTOTAL =	$ 82,090.05	SUBTOTAL =	$ 123,449.55	SUBTOTAL =	$ 12,681.90	SUBTOTAL =	$ 26,668.95	SUBTOTAL =	$ 14,448.00
				CONSTRUCTION TOTAL =	**$ 36,755.71**	**CONSTRUCTION TOTAL =**	**$ 87,015.45**	**CONSTRUCTION TOTAL =**	**$ 130,856.52**	**CONSTRUCTION TOTAL =**	**$ 13,442.81**	**CONSTRUCTION TOTAL =**	**$ 28,269.09**	**CONSTRUCTION TOTAL =**	**$ 15,314.88**
				ENGINEERING =	$ 3,675.57	ENGINEERING =	$ 8,701.55	ENGINEERING =	$ 13,085.65	ENGINEERING =	$ 1,344.28	ENGINEERING =	$ 2,826.91	ENGINEERING =	$ 1,531.49
				ROADWAY TOTAL =	**$ 40,431.28**	**ROADWAY TOTAL =**	**$ 95,717.00**	**ROADWAY TOTAL =**	**$ 143,942.18**	**ROADWAY TOTAL =**	**$ 14,787.10**	**ROADWAY TOTAL =**	**$ 31,096.00**	**ROADWAY TOTAL =**	**$ 16,846.37**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2044 (YEAR 21) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	4	PCI=	4	PCI=	4	PCI=	4	PCI=	4	PCI=	4
				EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES	EXISTING RIBBON=	YES
				LENGTH =	215	LENGTH =	797	LENGTH =	458	LENGTH =	1,260	LENGTH =	645	LENGTH =	752
				WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =	22
				TOTAL AREA (SQ YD) =	1,257	TOTAL AREA (SQ YD) =	2,568	TOTAL AREA (SQ YD) =	1,742	TOTAL AREA (SQ YD) =	3,142	TOTAL AREA (SQ YD) =	2,159	TOTAL AREA (SQ YD) =	1,875
				KAREN (GINO TO SOUTH CDS)		MAGNOLIA PKWY (ST. JOHN TO WEST CDS)		MARY (ST. JOHN TO WEST CDS)		GINO (360' E/HAWTHORN TO ST JOHN)		CHERRY HILL CI (GINO TO NORTH CDS)		SAINT JOHN (GILMER TO GINO)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,132	$ 1,132.00	2,312	$ 2,312.00	1,568	$ 1,568.00	2,828	$ 2,828.00	1,944	$ 1,944.00	1,688	$ 1,688.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	53	$ 4,505.00	108	$ 9,180.00	74	$ 6,290.00	132	$ 11,220.00	91	$ 7,735.00	79	$ 6,715.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	106	$ 8,480.00	216	$ 17,280.00	147	$ 11,760.00	264	$ 21,120.00	182	$ 14,560.00	158	$ 12,640.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,257	$ 2,514.00	2,568	$ 5,136.00	1,742	$ 3,484.00	3,142	$ 6,284.00	2,159	$ 4,318.00	1,875	$ 3,750.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	26	$ 1,170.00	52	$ 2,340.00	35	$ 1,575.00	63	$ 2,835.00	44	$ 1,980.00	38	$ 1,710.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	1	$ 125.00	3	$ 375.00	2	$ 250.00	5	$ 625.00	3	$ 375.00	3	$ 375.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 564.67	1	$ 1,153.62	1	$ 785.20	1	$ 1,414.73	1	$ 973.73	1	$ 846.66
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 564.67	1	$ 1,153.62	1	$ 785.20	1	$ 1,414.73	1	$ 973.73	1	$ 846.66
				SUBTOTAL =	$ 17,926.00	SUBTOTAL =	$ 36,623.00	SUBTOTAL =	$ 24,927.00	SUBTOTAL =	$ 44,912.00	SUBTOTAL =	$ 30,912.00	SUBTOTAL =	$ 26,878.00
				CONTINGENCY (5%) =	$ 896.30	CONTINGENCY (5%) =	$ 1,831.15	CONTINGENCY (5%) =	$ 1,246.35	CONTINGENCY (5%) =	$ 2,245.60	CONTINGENCY (5%) =	$ 1,545.60	CONTINGENCY (5%) =	$ 1,343.90
				SUBTOTAL =	$ 18,822.30	SUBTOTAL =	$ 38,454.15	SUBTOTAL =	$ 26,173.35	SUBTOTAL =	$ 47,157.60	SUBTOTAL =	$ 32,457.60	SUBTOTAL =	$ 28,221.90
				CONSTRUCTION TOTAL =	**$ 19,951.64**	**CONSTRUCTION TOTAL =**	**$ 40,761.40**	**CONSTRUCTION TOTAL =**	**$ 27,743.75**	**CONSTRUCTION TOTAL =**	**$ 49,987.06**	**CONSTRUCTION TOTAL =**	**$ 34,405.06**	**CONSTRUCTION TOTAL =**	**$ 29,915.21**
				ENGINEERING =	$ 1,995.16	ENGINEERING =	$ 4,076.14	ENGINEERING =	$ 2,774.38	ENGINEERING =	$ 4,998.71	ENGINEERING =	$ 3,440.51	ENGINEERING =	$ 2,991.52
				ROADWAY TOTAL =	**$ 21,946.80**	**ROADWAY TOTAL =**	**$ 44,837.54**	**ROADWAY TOTAL =**	**$ 30,518.13**	**ROADWAY TOTAL =**	**$ 54,985.76**	**ROADWAY TOTAL =**	**$ 37,845.56**	**ROADWAY TOTAL =**	**$ 32,906.74**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2044 (YEAR 21) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,452 WIDTH = 22 TOTAL AREA (SQ YD) = 6,114 SAINT JOHN (GINO TO OLD BARN) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 740 WIDTH = 22 TOTAL AREA (SQ YD) = 1,846 SAINT JOHN (GREENBRIAR TO GILMER)) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 1,671 WIDTH = 22 TOTAL AREA (SQ YD) = 5,167 GREENBRIAR (EAST CDS TO WEST CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	5,503	$ 5,503.00	1,662	$ 1,662.00	4,651	$ 4,651.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	257	$ 21,845.00	78	$ 6,630.00	218	$ 18,530.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	514	$ 41,120.00	156	$ 12,480.00	435	$ 34,800.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	6,114	$ 12,228.00	1,846	$ 3,692.00	5,167	$ 10,334.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	123	$ 5,535.00	37	$ 1,665.00	104	$ 4,680.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	9	$ 1,125.00	3	$ 375.00	6	$ 750.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,751.71	1	$ 834.88	1	$ 2,322.97
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,751.71	1	$ 834.88	1	$ 2,322.97
				SUBTOTAL =	$ 87,356.00	SUBTOTAL =	$ 26,504.00	SUBTOTAL =	$ 73,745.00
				CONTINGENCY (5%) =	$ 4,367.80	CONTINGENCY (5%) =	$ 1,325.20	CONTINGENCY (5%) =	$ 3,687.25
				SUBTOTAL =	$ 91,723.80	SUBTOTAL =	$ 27,829.20	SUBTOTAL =	$ 77,432.25
				CONSTRUCTION TOTAL =	**$ 97,227.23**	**CONSTRUCTION TOTAL =**	**$ 29,498.95**	**CONSTRUCTION TOTAL =**	**$ 82,078.19**
				ENGINEERING =	$ 9,722.72	ENGINEERING =	$ 2,949.90	ENGINEERING =	$ 8,207.82
				ROADWAY TOTAL =	**$ 106,949.95**	**ROADWAY TOTAL =**	**$ 32,448.85**	**ROADWAY TOTAL =**	**$ 90,286.00**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 796,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2044 (YEAR 21) TOTAL =	**$ 1,096,000.00**

2045 (YEAR 22) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= C+G LENGTH = 1,400 WIDTH = 22 TOTAL AREA (SQ YD) = 3,491 FOREST VIEW (KRUCKENBERG TO DEERFIELD) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= YES LENGTH = 1,790 WIDTH = 22 TOTAL AREA (SQ YD) = 4,464 W KRUCKENBERG (MIDLOTHIAN TO BEND) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 1 EXISTING RIBBON= YES LENGTH = 1,050 WIDTH = 22 TOTAL AREA (SQ YD) = 2,618 W KRUCKENBERG (BEND TO LIMIT) QUANTITY	TOTAL COST	FULL DEPTH PCI= 6 EXISTING RIBBON= LOT, C+G LENGTH = WIDTH = TOTAL AREA (SQ YD) = 8,906 AQUATIC CENTER QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 1,315 WIDTH = 22 TOTAL AREA (SQ YD) = 3,279 WEST PETER LN (CARDINAL TO SOUTH CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 730 WIDTH = 22 TOTAL AREA (SQ YD) = 1,821 EAST PETER LN (CARDINAL TO EAST CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	149	$ 4,470.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	446	$ 446.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	149	$ 4,470.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	8,906	$ 8,906.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	234	$ 4,680.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,142	$ 3,142.00	4,018	$ 4,018.00	2,357	$ 2,357.00	8,016	$ 8,016.00	2,952	$ 2,952.00	1,639	$ 1,639.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	147	$ 12,495.00	188	$ 15,980.00	110	$ 9,350.00	0	$ -	138	$ 11,730.00	77	$ 6,545.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	1,247	$ 99,760.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	294	$ 23,520.00	375	$ 30,000.00	220	$ 17,600.00	998	$ 79,840.00	276	$ 22,080.00	153	$ 12,240.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,491	$ 6,982.00	4,464	$ 8,928.00	2,618	$ 5,236.00	0	$ -	3,279	$ 6,558.00	1,821	$ 3,642.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	8,906	$ 35,624.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	70	$ 3,150.00	90	$ 4,050.00	53	$ 2,385.00	0	$ -	66	$ 2,970.00	37	$ 1,665.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	6	$ 750.00	4	$ 500.00	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	56	$ 1,960.00	0	$ -	0	$ -	40	$ 1,400.00	27	$ 945.00	15	$ 525.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	1	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,614.34	1	$ 2,007.37	1	$ 1,178.98	1	$ 7,878.53	1	$ 1,487.90	1	$ 827.06
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,614.34	1	$ 2,007.37	1	$ 1,178.98	1	$ 7,878.53	1	$ 1,487.90	1	$ 827.06
				SUBTOTAL =	$ 51,249.00	SUBTOTAL =	$ 63,726.00	SUBTOTAL =	$ 37,428.00	SUBTOTAL =	$ 250,112.00	SUBTOTAL =	$ 47,235.00	SUBTOTAL =	$ 26,256.00
				CONTINGENCY (5%) =	$ 2,562.45	CONTINGENCY (5%) =	$ 3,186.30	CONTINGENCY (5%) =	$ 1,871.40	CONTINGENCY (5%) =	$ 12,505.60	CONTINGENCY (5%) =	$ 2,361.75	CONTINGENCY (5%) =	$ 1,312.80
				SUBTOTAL =	$ 53,811.45	SUBTOTAL =	$ 66,912.30	SUBTOTAL =	$ 39,299.40	SUBTOTAL =	$ 262,617.60	SUBTOTAL =	$ 49,596.75	SUBTOTAL =	$ 27,568.80
				CONSTRUCTION TOTAL =	**$ 57,040.14**	**CONSTRUCTION TOTAL =**	**$ 70,927.04**	**CONSTRUCTION TOTAL =**	**$ 41,657.36**	**CONSTRUCTION TOTAL =**	**$ 278,374.66**	**CONSTRUCTION TOTAL =**	**$ 52,572.56**	**CONSTRUCTION TOTAL =**	**$ 29,222.93**
				ENGINEERING =	$ 5,704.01	ENGINEERING =	$ 7,092.70	ENGINEERING =	$ 4,165.74	ENGINEERING =	$ 27,837.47	ENGINEERING =	$ 5,257.26	ENGINEERING =	$ 2,922.29
				ROADWAY TOTAL =	**$ 62,744.15**	**ROADWAY TOTAL =**	**$ 78,019.74**	**ROADWAY TOTAL =**	**$ 45,823.10**	**ROADWAY TOTAL =**	**$ 306,212.12**	**ROADWAY TOTAL =**	**$ 57,829.81**	**ROADWAY TOTAL =**	**$ 32,145.22**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2045 (YEAR 22) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,490 WIDTH = 22 TOTAL AREA (SQ YD) = 6,209 FALCON (PEREGRINE TO MEADOWLARK) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 1,950 WIDTH = 22 TOTAL AREA (SQ YD) = 6,332 PEREGRINE (SOUTH CDS TO WEST CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 220 WIDTH = 22 TOTAL AREA (SQ YD) = 1,249 BLUE BIRD (FALCON TO NORTH CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	5,589	$ 5,589.00	5,699	$ 5,699.00	1,125	$ 1,125.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	261	$ 22,185.00	266	$ 22,610.00	53	$ 4,505.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	522	$ 41,760.00	532	$ 42,560.00	105	$ 8,400.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	6,209	$ 12,418.00	6,332	$ 12,664.00	1,249	$ 2,498.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	125	$ 5,625.00	127	$ 5,715.00	25	$ 1,125.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	9	$ 1,125.00	7	$ 875.00	1	$ 125.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,794.11	1	$ 2,838.87	1	$ 560.01
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,794.11	1	$ 2,838.87	1	$ 560.01
				SUBTOTAL =	$ 88,702.00	SUBTOTAL =	$ 90,123.00	SUBTOTAL =	$ 17,778.00
				CONTINGENCY (5%) =	$ 4,435.10	CONTINGENCY (5%) =	$ 4,506.15	CONTINGENCY (5%) =	$ 888.90
				SUBTOTAL =	$ 93,137.10	SUBTOTAL =	$ 94,629.15	SUBTOTAL =	$ 18,666.90
				CONSTRUCTION TOTAL =	**$ 98,725.33**	**CONSTRUCTION TOTAL =**	**$ 100,306.90**	**CONSTRUCTION TOTAL =**	**$ 19,786.91**
				ENGINEERING =	$ 9,872.53	ENGINEERING =	$ 10,030.69	ENGINEERING =	$ 1,978.69
				ROADWAY TOTAL =	**$ 108,597.86**	**ROADWAY TOTAL =**	**$ 110,337.59**	**ROADWAY TOTAL =**	**$ 21,765.61**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 824,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2045 (YEAR 22) TOTAL =	**$ 1,124,000.00**

2046 (YEAR 23) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 2,075 WIDTH = 22 TOTAL AREA (SQ YD) = 5,174 CARDINAL (620' S OF FALCON TO GILMER) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= YES LENGTH = 1,275 WIDTH = 22 TOTAL AREA (SQ YD) = 3,179 CARDINAL (SCHWERMAN TO 250' S/FALCON) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 2,426 WIDTH = 22 TOTAL AREA (SQ YD) = 6,049 MEADOWLARK (SOUTH END TO SCHWERMAN) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 274 WIDTH = 22 TOTAL AREA (SQ YD) = 1,414 ORIOLE (MEADOWLARK TO WEST CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 324 WIDTH = 22 TOTAL AREA (SQ YD) = 1,638 GOLDFINCH (MEADOWLARK TO EAST CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 5 EXISTING RIBBON= YES LENGTH = 987 WIDTH = 22 TOTAL AREA (SQ YD) = 3,211 SANDPIPER (WEST END TO EAST CDS) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	4,657	$ 4,657.00	2,862	$ 2,862.00	5,445	$ 5,445.00	1,273	$ 1,273.00	1,475	$ 1,475.00	2,890	$ 2,890.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	218	$ 18,530.00	134	$ 11,390.00	255	$ 21,675.00	60	$ 5,100.00	69	$ 5,865.00	135	$ 11,475.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	435	$ 34,800.00	268	$ 21,440.00	509	$ 40,720.00	119	$ 9,520.00	138	$ 11,040.00	270	$ 21,600.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	5,174	$ 10,348.00	3,179	$ 6,358.00	6,049	$ 12,098.00	1,414	$ 2,828.00	1,638	$ 3,276.00	3,211	$ 6,422.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	104	$ 4,680.00	64	$ 2,880.00	121	$ 5,445.00	29	$ 1,305.00	33	$ 1,485.00	65	$ 2,925.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	5	$ 625.00	9	$ 1,125.00	1	$ 125.00	2	$ 250.00	4	$ 500.00
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	42	$ 1,470.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,346.28	1	$ 1,434.98	1	$ 2,725.00	1	$ 634.76	1	$ 736.82	1	$ 1,443.08
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,346.28	1	$ 1,434.98	1	$ 2,725.00	1	$ 634.76	1	$ 736.82	1	$ 1,443.08
				SUBTOTAL =	$ 74,485.00	SUBTOTAL =	$ 45,555.00	SUBTOTAL =	$ 86,508.00	SUBTOTAL =	$ 20,151.00	SUBTOTAL =	$ 23,391.00	SUBTOTAL =	$ 45,812.00
				CONTINGENCY (5%) =	$ 3,724.25	CONTINGENCY (5%) =	$ 2,277.75	CONTINGENCY (5%) =	$ 4,325.40	CONTINGENCY (5%) =	$ 1,007.55	CONTINGENCY (5%) =	$ 1,169.55	CONTINGENCY (5%) =	$ 2,290.60
				SUBTOTAL =	$ 78,209.25	SUBTOTAL =	$ 47,832.75	SUBTOTAL =	$ 90,833.40	SUBTOTAL =	$ 21,158.55	SUBTOTAL =	$ 24,560.55	SUBTOTAL =	$ 48,102.60
				CONSTRUCTION TOTAL =	**$ 82,901.81**	**CONSTRUCTION TOTAL =**	**$ 50,702.72**	**CONSTRUCTION TOTAL =**	**$ 96,283.40**	**CONSTRUCTION TOTAL =**	**$ 22,428.06**	**CONSTRUCTION TOTAL =**	**$ 26,034.18**	**CONSTRUCTION TOTAL =**	**$ 50,988.76**
				ENGINEERING =	$ 8,290.18	ENGINEERING =	$ 5,070.27	ENGINEERING =	$ 9,628.34	ENGINEERING =	$ 2,242.81	ENGINEERING =	$ 2,603.42	ENGINEERING =	$ 5,098.88
				ROADWAY TOTAL =	**$ 91,191.99**	**ROADWAY TOTAL =**	**$ 55,772.99**	**ROADWAY TOTAL =**	**$ 105,911.74**	**ROADWAY TOTAL =**	**$ 24,670.87**	**ROADWAY TOTAL =**	**$ 28,637.60**	**ROADWAY TOTAL =**	**$ 56,087.63**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2046 (YEAR 23) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 185 WIDTH = 22 TOTAL AREA (SQ YD) = 1,662 BLUE JAY (MEADOWLARK TO WEST END) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= YES LENGTH = 681 WIDTH = 22 TOTAL AREA (SQ YD) = 2,448 SHEARWATER (MEADOWLARK TO WEST CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= YES LENGTH = 1,066 WIDTH = 22 TOTAL AREA (SQ YD) = 2,658 SCHWERMAN RD (OWENS TO 175' E/MILTON) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= YES LENGTH = 4,842 WIDTH = 22 TOTAL AREA (SQ YD) = 15,073 SCHWERMAN RD (175' E/MILTON TO GILMER RD) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 597 WIDTH = 24 TOTAL AREA (SQ YD) = 1,624 BITTERSWEET TR (SCHWERMAN TO SOUTH CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 4 EXISTING RIBBON= C+G LENGTH = 593 WIDTH = 25 TOTAL AREA (SQ YD) = 1,681 SCARLET OAK DR (OWENS TO GOLF CREST) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,496	$ 1,496.00	2,204	$ 2,204.00	2,393	$ 2,393.00	13,566	$ 13,566.00	1,462	$ 1,462.00	1,513	$ 1,513.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	70	$ 5,950.00	103	$ 8,755.00	112	$ 9,520.00	634	$ 53,890.00	69	$ 5,865.00	71	$ 6,035.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	140	$ 11,200.00	206	$ 16,480.00	224	$ 17,920.00	1,267	$ 101,360.00	137	$ 10,960.00	142	$ 11,360.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,662	$ 3,324.00	2,448	$ 4,896.00	2,658	$ 5,316.00	15,073	$ 30,146.00	1,624	$ 3,248.00	1,681	$ 3,362.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	34	$ 1,530.00	49	0	54	$ 2,430.00	302	$ 13,590.00	33	$ 1,485.00	34	$ 1,530.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	1	$ 125.00	3	$ 375.00	4	$ 500.00	17	$ 2,125.00	3	$ 375.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	24	$ 840.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	1	$ 2,500.00	1	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 744.19	1	$ 1,030.37	1	$ 1,278.24	1	$ 6,841.08	1	$ 736.94	1	$ 776.16
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 744.19	1	$ 1,030.37	1	$ 1,278.24	1	$ 6,841.08	1	$ 736.94	1	$ 776.16
				SUBTOTAL =	$ 23,625.00	SUBTOTAL =	$ 32,710.00	SUBTOTAL =	$ 40,579.00	SUBTOTAL =	$ 217,177.00	SUBTOTAL =	$ 23,395.00	SUBTOTAL =	$ 24,640.00
				CONTINGENCY (5%) =	$ 1,181.25	CONTINGENCY (5%) =	$ 1,635.50	CONTINGENCY (5%) =	$ 2,028.95	CONTINGENCY (5%) =	$ 10,858.85	CONTINGENCY (5%) =	$ 1,169.75	CONTINGENCY (5%) =	$ 1,232.00
				SUBTOTAL =	$ 24,806.25	SUBTOTAL =	$ 34,345.50	SUBTOTAL =	$ 42,607.95	SUBTOTAL =	$ 228,035.85	SUBTOTAL =	$ 24,564.75	SUBTOTAL =	$ 25,872.00
				CONSTRUCTION TOTAL =	**$ 26,294.63**	**CONSTRUCTION TOTAL =**	**$ 36,406.23**	**CONSTRUCTION TOTAL =**	**$ 45,164.43**	**CONSTRUCTION TOTAL =**	**$ 241,718.00**	**CONSTRUCTION TOTAL =**	**$ 26,038.64**	**CONSTRUCTION TOTAL =**	**$ 27,424.32**
				ENGINEERING =	$ 2,629.46	ENGINEERING =	$ 3,640.62	ENGINEERING =	$ 4,516.44	ENGINEERING =	$ 24,171.80	ENGINEERING =	$ 2,603.86	ENGINEERING =	$ 2,742.43
				ROADWAY TOTAL =	**$ 28,924.09**	**ROADWAY TOTAL =**	**$ 40,046.85**	**ROADWAY TOTAL =**	**$ 49,680.87**	**ROADWAY TOTAL =**	**$ 265,889.80**	**ROADWAY TOTAL =**	**$ 28,642.50**	**ROADWAY TOTAL =**	**$ 30,166.75**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2046 (YEAR 23) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 4 EXISTING RIBBON= C+G LENGTH = 795 WIDTH = 25 TOTAL AREA (SQ YD) = 2,253 GOLF CREST (S CDS TO N CDS) QUANTITY	TOTAL COST	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 150 WIDTH = 22 TOTAL AREA (SQ YD) = 374 LA VISTA (VILLAGE LIMIT TO VILLAGE LIMIT) QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,028	$ 2,028.00	337	$ 337.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	95	$ 8,075.00	16	$ 1,360.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	190	$ 15,200.00	32	$ 2,560.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,253	$ 4,506.00	374	$ 748.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	46	$ 2,070.00	8	$ 360.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	32	$ 1,120.00	6	$ 210.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,039.47	1	$ 175.61
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,039.47	1	$ 175.61
				SUBTOTAL =	$ 32,999.00	SUBTOTAL =	$ 5,575.00
				CONTINGENCY (5%) =	$ 1,649.95	CONTINGENCY (5%) =	$ 278.75
				SUBTOTAL =	$ 34,648.95	SUBTOTAL =	$ 5,853.75
				CONSTRUCTION TOTAL =	**$ 36,727.89**	**CONSTRUCTION TOTAL =**	**$ 6,204.98**
				ENGINEERING =	$ 3,672.79	ENGINEERING =	$ 620.50
				ROADWAY TOTAL =	**$ 40,400.68**	**ROADWAY TOTAL =**	**$ 6,825.47**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 853,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2046 (YEAR 23) TOTAL =	**$ 1,153,000.00**

2047 (YEAR 24) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 2,400 WIDTH = 24 TOTAL AREA (SQ YD) = 6,528 EMPRESS DR (ENSELL RD TO CATALPA DR)		GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 320 WIDTH = 40 TOTAL AREA (SQ YD) = 1,451 ENSELL RD (QUENTIN RD TO ALDER CT)		GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 1,600 WIDTH = 24 TOTAL AREA (SQ YD) = 4,352 ACACIA DR (ALDER CT TO CATALPA DR)		GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 710 WIDTH = 24 TOTAL AREA (SQ YD) = 1,932 ALDER CT (ENSELL RD TO SOUTH CDS)		GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 90 WIDTH = 24 TOTAL AREA (SQ YD) = 245 S EMPRESS CT (EMPRESS DR TO EMPRESS DR)		GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 125 WIDTH = 25 TOTAL AREA (SQ YD) = 355 N EMPRESS CT (EMPRESS DR TO EMPRESS DR)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	5,876	$ 5,876.00	1,306	$ 1,306.00	3,917	$ 3,917.00	1,739	$ 1,739.00	221	$ 221.00	320	$ 320.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	275	$ 23,375.00	61	$ 5,185.00	183	$ 15,555.00	82	$ 6,970.00	11	$ 935.00	15	$ 1,275.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	549	$ 43,920.00	122	$ 9,760.00	366	$ 29,280.00	163	$ 13,040.00	21	$ 1,680.00	30	$ 2,400.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	6,528	$ 13,056.00	1,451	$ 2,902.00	4,352	$ 8,704.00	1,932	$ 3,864.00	245	$ 490.00	355	$ 710.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	131	$ 5,895.00	30	$ 1,350.00	88	$ 3,960.00	39	$ 1,755.00	5	$ 225.00	8	$ 360.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	48	$ 1,680.00	7	$ 245.00	32	$ 1,120.00	15	$ 525.00	2	$ 70.00	3	$ 105.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,954.76	1	$ 653.56	1	$ 1,969.88	1	$ 878.63	1	$ 114.06	1	$ 162.86
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,954.76	1	$ 653.56	1	$ 1,969.88	1	$ 878.63	1	$ 114.06	1	$ 162.86
				SUBTOTAL =	$ 93,802.00	SUBTOTAL =	$ 20,748.00	SUBTOTAL =	$ 62,536.00	SUBTOTAL =	$ 27,893.00	SUBTOTAL =	$ 3,621.00	SUBTOTAL =	$ 5,170.00
				CONTINGENCY (5%) =	$ 4,690.10	CONTINGENCY (5%) =	$ 1,037.40	CONTINGENCY (5%) =	$ 3,126.80	CONTINGENCY (5%) =	$ 1,394.65	CONTINGENCY (5%) =	$ 181.05	CONTINGENCY (5%) =	$ 258.50
				SUBTOTAL =	$ 98,492.10	SUBTOTAL =	$ 21,785.40	SUBTOTAL =	$ 65,662.80	SUBTOTAL =	$ 29,287.65	SUBTOTAL =	$ 3,802.05	SUBTOTAL =	$ 5,428.50
				CONSTRUCTION TOTAL =	**$ 104,401.63**	**CONSTRUCTION TOTAL =**	**$ 23,092.52**	**CONSTRUCTION TOTAL =**	**$ 69,602.57**	**CONSTRUCTION TOTAL =**	**$ 31,044.91**	**CONSTRUCTION TOTAL =**	**$ 4,030.17**	**CONSTRUCTION TOTAL =**	**$ 5,754.21**
				ENGINEERING =	$ 10,440.16	ENGINEERING =	$ 2,309.25	ENGINEERING =	$ 6,960.26	ENGINEERING =	$ 3,104.49	ENGINEERING =	$ 403.02	ENGINEERING =	$ 575.42
				ROADWAY TOTAL =	**$ 114,841.79**	**ROADWAY TOTAL =**	**$ 25,401.78**	**ROADWAY TOTAL =**	**$ 76,562.82**	**ROADWAY TOTAL =**	**$ 34,149.40**	**ROADWAY TOTAL =**	**$ 4,433.19**	**ROADWAY TOTAL =**	**$ 6,329.63**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2047 (YEAR 24) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C+G LENGTH = 150 WIDTH = 24 TOTAL AREA (SQ YD) = 408 N ACACIA CT (ACACIA DR TO ACACIA DR)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 105 WIDTH = 22 TOTAL AREA (SQ YD) = 1,262 WELLESEY (CHESTNUT TO WEST CDS)		GRIND & OVERLAY PCI= 2 EXISTING RIBBON= C&G LENGTH = 200 WIDTH = 22 TOTAL AREA (SQ YD) = 499 CATALPA DR (ACADIA DR TO VILLAGE LIMITS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 704 WIDTH = 26 TOTAL AREA (SQ YD) = 2,275 HIGHLAND (QUENTIN TO CHESTNUT)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 656 WIDTH = 22 TOTAL AREA (SQ YD) = 2,636 DORCHESTER (HIGHLAND TO NORTH CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 1,345 WIDTH = 22 TOTAL AREA (SQ YD) = 5,254 CHESTNUT (NORTH CDS TO SOUTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	368	$ 368.00	1,136	$ 1,136.00	450	$ 450.00	2,048	$ 2,048.00	2,373	$ 2,373.00	4,729	$ 4,729.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	18	$ 1,530.00	54	$ 4,590.00	21	$ 1,785.00	96	$ 8,160.00	111	$ 9,435.00	221	$ 18,785.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	35	$ 2,800.00	107	$ 8,560.00	42	$ 3,360.00	192	$ 15,360.00	222	$ 17,760.00	442	$ 35,360.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	408	$ 816.00	1,262	$ 2,524.00	499	$ 998.00	2,275	$ 4,550.00	2,636	$ 5,272.00	5,254	$ 10,508.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	9	$ 405.00	26	$ 1,170.00	10	$ 450.00	46	$ 2,070.00	53	$ 2,385.00	106	$ 4,770.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	3	$ 105.00	3	$ 105.00	4	$ 140.00	15	$ 525.00	14	$ 490.00	27	$ 945.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 189.76	1	$ 569.68	1	$ 226.26	1	$ 1,030.46	1	$ 1,188.02	1	$ 2,365.56
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 189.76	1	$ 569.68	1	$ 226.26	1	$ 1,030.46	1	$ 1,188.02	1	$ 2,365.56
				SUBTOTAL =	$ 6,024.00	SUBTOTAL =	$ 18,085.00	SUBTOTAL =	$ 7,183.00	SUBTOTAL =	$ 32,713.00	SUBTOTAL =	$ 37,715.00	SUBTOTAL =	$ 75,097.00
				CONTINGENCY (5%) =	$ 301.20	CONTINGENCY (5%) =	$ 904.25	CONTINGENCY (5%) =	$ 359.15	CONTINGENCY (5%) =	$ 1,635.65	CONTINGENCY (5%) =	$ 1,885.75	CONTINGENCY (5%) =	$ 3,754.85
				SUBTOTAL =	$ 6,325.20	SUBTOTAL =	$ 18,989.25	SUBTOTAL =	$ 7,542.15	SUBTOTAL =	$ 34,348.65	SUBTOTAL =	$ 39,600.75	SUBTOTAL =	$ 78,851.85
				CONSTRUCTION TOTAL =	**$ 6,704.71**	**CONSTRUCTION TOTAL =**	**$ 20,128.61**	**CONSTRUCTION TOTAL =**	**$ 7,994.68**	**CONSTRUCTION TOTAL =**	**$ 36,409.57**	**CONSTRUCTION TOTAL =**	**$ 41,976.80**	**CONSTRUCTION TOTAL =**	**$ 83,582.96**
				ENGINEERING =	$ 670.47	ENGINEERING =	$ 2,012.86	ENGINEERING =	$ 799.47	ENGINEERING =	$ 3,640.96	ENGINEERING =	$ 4,197.68	ENGINEERING =	$ 8,358.30
				ROADWAY TOTAL =	**$ 7,375.18**	**ROADWAY TOTAL =**	**$ 22,141.47**	**ROADWAY TOTAL =**	**$ 8,794.15**	**ROADWAY TOTAL =**	**$ 40,050.53**	**ROADWAY TOTAL =**	**$ 46,174.47**	**ROADWAY TOTAL =**	**$ 91,941.26**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2047 (YEAR 24) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6, EXISTING RIBBON= C+G, LENGTH = 150, WIDTH = 22, TOTAL AREA (SQ YD) = 1,374 — BEDFORD (CHESTNUT TO EAST CDS)		GRIND & OVERLAY PCI= NA, EXISTING RIBBON= C+G, LENGTH = 1,800, WIDTH = 27, TOTAL AREA (SQ YD) = 5,508 — ROMAN LANE (HT3)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,237	$ 1,237.00	4,958	$ 4,958.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	58	$ 4,930.00	232	$ 19,720.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	116	$ 9,280.00	463	$ 37,040.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,374	$ 2,748.00	5,508	$ 11,016.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	28	$ 1,260.00	111	$ 4,995.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	3	$ 105.00	36	$ 1,260.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 616.14	1	$ 2,488.15
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 616.14	1	$ 2,488.15
				SUBTOTAL =	$ 19,560.00	SUBTOTAL =	$ 78,989.00
				CONTINGENCY (5%) =	$ 978.00	CONTINGENCY (5%) =	$ 3,949.45
				SUBTOTAL =	$ 20,538.00	SUBTOTAL =	$ 82,938.45
				CONSTRUCTION TOTAL =	**$ 21,770.28**	**CONSTRUCTION TOTAL =**	**$ 87,914.76**
				ENGINEERING =	$ 2,177.03	ENGINEERING =	$ 8,791.48
				ROADWAY TOTAL =	**$ 23,947.31**	**ROADWAY TOTAL =**	**$ 96,706.23**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 1, EXISTING RIBBON= C+G, LENGTH = 820, WIDTH = 24, TOTAL AREA (SQ YD) = 2,231 — COSTEKIN (176 TO NORTH CDS)		GRIND & OVERLAY PCI= 1, EXISTING RIBBON= C+G, LENGTH = 2,600, WIDTH = 25, TOTAL AREA (SQ YD) = 7,367 — STONEBRIDGE STREETS	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,008	$ 2,008.00	6,631	$ 6,631.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	94	$ 7,990.00	310	$ 26,350.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	188	$ 15,040.00	619	$ 49,520.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,231	$ 4,462.00	7,367	$ 14,734.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	45	$ 2,025.00	148	$ 6,660.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	17	$ 595.00	52	$ 1,820.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,011.78	1	$ 3,330.02
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,011.78	1	$ 3,330.02
				SUBTOTAL =	$ 32,120.00	SUBTOTAL =	$ 105,715.00
				CONTINGENCY (5%) =	$ 1,606.00	CONTINGENCY (5%) =	$ 5,285.75
				SUBTOTAL =	$ 33,726.00	SUBTOTAL =	$ 111,000.75
				CONSTRUCTION TOTAL =	**$ 35,749.56**	**CONSTRUCTION TOTAL =**	**$ 117,660.80**
				ENGINEERING =	$ 3,574.96	ENGINEERING =	$ 11,766.08
				ROADWAY TOTAL =	**$ 39,324.52**	**ROADWAY TOTAL =**	**$ 129,426.87**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 1, EXISTING RIBBON= C+G, LENGTH = 500, WIDTH = 25, TOTAL AREA (SQ YD) = 1,417 — NELSON LN (COMMONS CIR TO COMMONS CIR)		GRIND & OVERLAY PCI= 1, EXISTING RIBBON= C+G, LENGTH = 600, WIDTH = 25, TOTAL AREA (SQ YD) = 1,700 — POTTER COURT (COMMONS CIR TO COMMONS CIR)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,276	$ 1,276.00	1,530	$ 1,530.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	60	$ 5,100.00	72	$ 6,120.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	120	$ 9,600.00	143	$ 11,440.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,417	$ 2,834.00	1,700	$ 3,400.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	29	$ 1,305.00	34	$ 1,530.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	10	$ 350.00	12	$ 420.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 644.65	1	$ 769.86
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 644.65	1	$ 769.86
				SUBTOTAL =	$ 20,465.00	SUBTOTAL =	$ 24,440.00
				CONTINGENCY (5%) =	$ 1,023.25	CONTINGENCY (5%) =	$ 1,222.00
				SUBTOTAL =	$ 21,488.25	SUBTOTAL =	$ 25,662.00
				CONSTRUCTION TOTAL =	**$ 22,777.55**	**CONSTRUCTION TOTAL =**	**$ 27,201.72**
				ENGINEERING =	$ 2,277.75	ENGINEERING =	$ 2,720.17
				ROADWAY TOTAL =	**$ 25,055.30**	**ROADWAY TOTAL =**	**$ 29,921.89**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2047 (YEAR 24) STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 5, EXISTING RIBBON= C+G, LENGTH = 1,329, WIDTH = 30, TOTAL AREA (SQ YD) = 4,519 — BUSINESS PARK		GRIND & OVERLAY PCI= 1, EXISTING RIBBON= C+G, LENGTH = 450, WIDTH = 25, TOTAL AREA (SQ YD) = 1,275 — EXECUTIVE DR (COMMONS CIR TO BUSINESS PARK)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	4,068	$ 4,068.00	1,148	$ 1,148.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	190	$ 16,150.00	54	$ 4,590.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	380	$ 30,400.00	108	$ 8,640.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,519	$ 9,038.00	1,275	$ 2,550.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	91	$ 4,095.00	26	$ 1,170.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	27	$ 945.00	9	$ 315.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,037.92	1	$ 580.01
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,037.92	1	$ 580.01
				SUBTOTAL =	$ 64,696.00	SUBTOTAL =	$ 18,413.00
				CONTINGENCY (5%) =	$ 3,234.80	CONTINGENCY (5%) =	$ 920.65
				SUBTOTAL =	$ 67,930.80	SUBTOTAL =	$ 19,333.65
				CONSTRUCTION TOTAL =	**$ 72,006.65**	**CONSTRUCTION TOTAL =**	**$ 20,493.67**
				ENGINEERING =	$ 7,200.66	ENGINEERING =	$ 2,049.37
				ROADWAY TOTAL =	**$ 79,207.31**	**ROADWAY TOTAL =**	**$ 22,543.04**

ROADWAY TOTAL =	**$ 925,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2047 (YEAR 24) TOTAL =	**$ 1,225,000.00**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2048 (YEAR 25) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	4	PCI=	2	PCI=	4	PCI=	2	PCI=	2	PCI=	1
				EXISTING RIBBON=	C&G	EXISTING RIBBON=	C&G	EXISTING RIBBON=	C&G	EXISTING RIBBON=	C&G	EXISTING RIBBON=	C&G	EXISTING RIBBON=	C+Q
				LENGTH =	1,750	LENGTH =	550	LENGTH =	650	LENGTH =	1,200	LENGTH =	1,850	LENGTH =	3,450
				WIDTH =	22	WIDTH =	22	WIDTH =	22	WIDTH =		WIDTH =	22	WIDTH =	29
				TOTAL AREA (SQ YD) =	4,364	TOTAL AREA (SQ YD) =	1,372	TOTAL AREA (SQ YD) =	1,621	TOTAL AREA (SQ YD) =	2,992	TOTAL AREA (SQ YD) =	4,613	TOTAL AREA (SQ YD) =	11,339
				PALISADES BLVD (BEVERLY LN TO W CDS)		MELROSE PLACE (PACIFIC AVENUE TO N CDS)		VINE ST (PALISADES BLVD TO PACIFIC AVE)		BEVERLY LN (PACIFIC AVE TO N CDS)		PACIFIC AVE (KRUCKENBERG RD TO W CDS)		HAWTHORN HILLS (BEVERLY TO MIDLOTHIAN)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,928	$ 3,928.00	1,235	$ 1,235.00	1,459	$ 1,459.00	2,693	$ 2,693.00	4,152	$ 4,152.00	10,206	$ 10,206.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	184	$ 15,640.00	58	$ 4,930.00	69	$ 5,865.00	126	$ 10,710.00	194	$ 16,490.00	477	$ 40,545.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	367	$ 29,360.00	116	$ 9,280.00	137	$ 10,960.00	252	$ 20,160.00	388	$ 31,040.00	953	$ 76,240.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,364	$ 8,728.00	1,372	$ 2,744.00	1,621	$ 3,242.00	2,992	$ 5,984.00	4,613	$ 9,226.00	11,339	$ 22,678.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	88	$ 3,960.00	28	$ 1,260.00	33	$ 1,485.00	60	$ 2,700.00	93	$ 4,185.00	227	$ 10,215.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	35	$ 1,225.00	11	$ 385.00	13	$ 455.00	24	$ 840.00	37	$ 1,295.00	69	$ 2,415.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,979.49	1	$ 624.77	1	$ 739.18	1	$ 1,357.24	1	$ 2,091.22	1	$ 5,112.42
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,979.49	1	$ 624.77	1	$ 739.18	1	$ 1,357.24	1	$ 2,091.22	1	$ 5,112.42
				SUBTOTAL =	$ 62,841.00	SUBTOTAL =	$ 19,834.00	SUBTOTAL =	$ 23,466.00	SUBTOTAL =	$ 43,087.00	SUBTOTAL =	$ 66,388.00	SUBTOTAL =	$ 162,299.00
				CONTINGENCY (5%) =	$ 3,142.05	CONTINGENCY (5%) =	$ 991.70	CONTINGENCY (5%) =	$ 1,173.30	CONTINGENCY (5%) =	$ 2,154.35	CONTINGENCY (5%) =	$ 3,319.40	CONTINGENCY (5%) =	$ 8,114.95
				SUBTOTAL =	$ 65,983.05	SUBTOTAL =	$ 20,825.70	SUBTOTAL =	$ 24,639.30	SUBTOTAL =	$ 45,241.35	SUBTOTAL =	$ 69,707.40	SUBTOTAL =	$ 170,413.95
				CONSTRUCTION TOTAL =	**$ 69,942.03**	**CONSTRUCTION TOTAL =**	**$ 22,075.24**	**CONSTRUCTION TOTAL =**	**$ 26,117.66**	**CONSTRUCTION TOTAL =**	**$ 47,955.83**	**CONSTRUCTION TOTAL =**	**$ 73,889.84**	**CONSTRUCTION TOTAL =**	**$ 180,638.79**
				ENGINEERING =	$ 6,994.20	ENGINEERING =	$ 2,207.52	ENGINEERING =	$ 2,611.77	ENGINEERING =	$ 4,795.58	ENGINEERING =	$ 7,388.98	ENGINEERING =	$ 18,063.88
				ROADWAY TOTAL =	**$ 76,936.24**	**ROADWAY TOTAL =**	**$ 24,282.77**	**ROADWAY TOTAL =**	**$ 28,729.42**	**ROADWAY TOTAL =**	**$ 52,751.41**	**ROADWAY TOTAL =**	**$ 81,278.83**	**ROADWAY TOTAL =**	**$ 198,702.67**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2048 (YEAR 25) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	1	PCI=	2	PCI=	1	PCI=	1	PCI=	1	PCI=	5
				EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G
				LENGTH =	460	LENGTH =	375	LENGTH =	425	LENGTH =	1,375	LENGTH =	600	LENGTH =	3,300
				WIDTH =	24	WIDTH =	22	WIDTH =	24	WIDTH =	24	WIDTH =	24	WIDTH =	22
				TOTAL AREA (SQ YD) =	1,855	TOTAL AREA (SQ YD) =	935	TOTAL AREA (SQ YD) =	1,156	TOTAL AREA (SQ YD) =	3,740	TOTAL AREA (SQ YD) =	1,632	TOTAL AREA (SQ YD) =	8,228
				SIERRA PL (HAWTHORN HILLS DR TO S CDS)		ANDREW (CARDINAL TO 375' S OF CARDINAL)		ANDREW (375' S CARDINAL TO HAW. HILLS DR)		ANDREW (HAW. HILLS DR TO HAW. HILLS DR)		BRENTWOOD (HAW. HILLS TO HAW. HILLS)		DEERFIELD (FOREST VIEW TO ANDREW)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,670	$ 1,670.00	842	$ 842.00	1,041	$ 1,041.00	3,366	$ 3,366.00	1,469	$ 1,469.00	7,406	$ 7,406.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	78	$ 6,630.00	40	$ 3,400.00	49	$ 4,165.00	158	$ 13,430.00	69	$ 5,865.00	346	$ 29,410.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	156	$ 12,480.00	79	$ 6,320.00	98	$ 7,840.00	315	$ 25,200.00	138	$ 11,040.00	692	$ 55,360.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,855	$ 3,710.00	935	$ 1,870.00	1,156	$ 2,312.00	3,740	$ 7,480.00	1,632	$ 3,264.00	8,228	$ 16,456.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	38	$ 1,710.00	19	$ 855.00	24	$ 1,080.00	75	$ 3,375.00	33	$ 1,485.00	165	$ 7,425.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	10	$ 350.00	8	$ 280.00	9	$ 315.00	28	$ 980.00	12	$ 420.00	132	$ 4,620.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 836.33	1	$ 427.36	1	$ 527.72	1	$ 1,695.68	1	$ 741.60	1	$ 3,801.33
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 836.33	1	$ 427.36	1	$ 527.72	1	$ 1,695.68	1	$ 741.60	1	$ 3,801.33
				SUBTOTAL =	$ 26,550.00	SUBTOTAL =	$ 13,567.00	SUBTOTAL =	$ 16,753.00	SUBTOTAL =	$ 53,831.00	SUBTOTAL =	$ 23,543.00	SUBTOTAL =	$ 120,677.00
				CONTINGENCY (5%) =	$ 1,327.50	CONTINGENCY (5%) =	$ 678.35	CONTINGENCY (5%) =	$ 837.65	CONTINGENCY (5%) =	$ 2,691.55	CONTINGENCY (5%) =	$ 1,177.15	CONTINGENCY (5%) =	$ 6,033.85
				SUBTOTAL =	$ 27,877.50	SUBTOTAL =	$ 14,245.35	SUBTOTAL =	$ 17,590.65	SUBTOTAL =	$ 56,522.55	SUBTOTAL =	$ 24,720.15	SUBTOTAL =	$ 126,710.85
				CONSTRUCTION TOTAL =	**$ 29,550.15**	**CONSTRUCTION TOTAL =**	**$ 15,100.07**	**CONSTRUCTION TOTAL =**	**$ 18,646.09**	**CONSTRUCTION TOTAL =**	**$ 59,913.90**	**CONSTRUCTION TOTAL =**	**$ 26,203.36**	**CONSTRUCTION TOTAL =**	**$ 134,313.50**
				ENGINEERING =	$ 2,955.02	ENGINEERING =	$ 1,510.01	ENGINEERING =	$ 1,864.61	ENGINEERING =	$ 5,991.39	ENGINEERING =	$ 2,620.34	ENGINEERING =	$ 13,431.35
				ROADWAY TOTAL =	**$ 32,505.17**	**ROADWAY TOTAL =**	**$ 16,610.08**	**ROADWAY TOTAL =**	**$ 20,510.70**	**ROADWAY TOTAL =**	**$ 65,905.29**	**ROADWAY TOTAL =**	**$ 28,823.69**	**ROADWAY TOTAL =**	**$ 147,744.85**

ASSUMPTIONS:
1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

2048 (YEAR 25) STREETS

				GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY		GRIND & OVERLAY	
				PCI=	5	PCI=	5	PCI=	1	PCI=	1	PCI=	1
				EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G	EXISTING RIBBON=	C+G
				LENGTH =	350	LENGTH =	330	LENGTH =	900	LENGTH =	575	LENGTH =	2,200
				WIDTH =	22	WIDTH =	22	WIDTH =	24	WIDTH =	24	WIDTH =	25
				TOTAL AREA (SQ YD) =	873	TOTAL AREA (SQ YD) =	823	TOTAL AREA (SQ YD) =	2,448	TOTAL AREA (SQ YD) =	1,564	TOTAL AREA (SQ YD) =	6,234
				GREENFIELD CT (DEERFIELD TO N CDS)		SPRING CREEK (FOREST VIEW TO E CDS)		BRADBURY LN (HAW. HILLS DR TO EAST CDS)		SHERMAN CT (HAWTHORN HILLS DR TO N CDS)		COMMONS CIR (E CDS TO MIDLOTHIAN RD)	
ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	786	$ 786.00	741	$ 741.00	2,204	$ 2,204.00	1,408	$ 1,408.00	5,611	$ 5,611.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	37	$ 3,145.00	35	$ 2,975.00	103	$ 8,755.00	66	$ 5,610.00	262	$ 22,270.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	74	$ 5,920.00	70	$ 5,600.00	206	$ 16,480.00	132	$ 10,560.00	524	$ 41,920.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	873	$ 1,746.00	823	$ 1,646.00	2,448	$ 4,896.00	1,564	$ 3,128.00	6,234	$ 12,468.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	18	$ 810.00	17	$ 765.00	49	$ 2,205.00	32	$ 1,440.00	125	$ 5,625.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	14	$ 490.00	14	$ 490.00	18	$ 630.00	12	$ 420.00	44	$ 1,540.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -	0	$ -	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 406.26	1	$ 384.84	1	$ 1,107.86	1	$ 710.83	1	$ 2,817.17
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 406.26	1	$ 384.84	1	$ 1,107.86	1	$ 710.83	1	$ 2,817.17
				SUBTOTAL =	$ 12,897.00	SUBTOTAL =	$ 12,217.00	SUBTOTAL =	$ 35,170.00	SUBTOTAL =	$ 22,566.00	SUBTOTAL =	$ 89,434.00
				CONTINGENCY (5%) =	$ 644.85	CONTINGENCY (5%) =	$ 610.85	CONTINGENCY (5%) =	$ 1,758.50	CONTINGENCY (5%) =	$ 1,128.30	CONTINGENCY (5%) =	$ 4,471.70
				SUBTOTAL =	$ 13,541.85	SUBTOTAL =	$ 12,827.85	SUBTOTAL =	$ 36,928.50	SUBTOTAL =	$ 23,694.30	SUBTOTAL =	$ 93,905.70
				CONSTRUCTION TOTAL =	**$ 14,354.36**	**CONSTRUCTION TOTAL =**	**$ 13,597.52**	**CONSTRUCTION TOTAL =**	**$ 39,144.21**	**CONSTRUCTION TOTAL =**	**$ 25,115.96**	**CONSTRUCTION TOTAL =**	**$ 99,540.04**
				ENGINEERING =	$ 1,435.44	ENGINEERING =	$ 1,359.75	ENGINEERING =	$ 3,914.42	ENGINEERING =	$ 2,511.60	ENGINEERING =	$ 9,954.00
				ROADWAY TOTAL =	**$ 15,789.80**	**ROADWAY TOTAL =**	**$ 14,957.27**	**ROADWAY TOTAL =**	**$ 43,058.63**	**ROADWAY TOTAL =**	**$ 27,627.55**	**ROADWAY TOTAL =**	**$ 109,494.05**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 1.5" SURFACE, 3.5" BINDER, 10" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

ROADWAY TOTAL =	**$ 986,000.00**
ROUTINE MAINTENANCE =	**$ 300,000.00**
2048 (YEAR 25) TOTAL =	**$ 1,286,000.00**

TOTAL ROADWAY TOTAL =	**$ 20,655,000.00**
TOTAL ROUTINE MAINTENANCE =	**$ 7,270,000.00**
TOTAL =	**$ 27,925,000.00**

EXHIBIT #5
TYPICAL PAVEMENT LIFE CYCLE CURVE

TYPICAL LIFE CYCLE CURVE

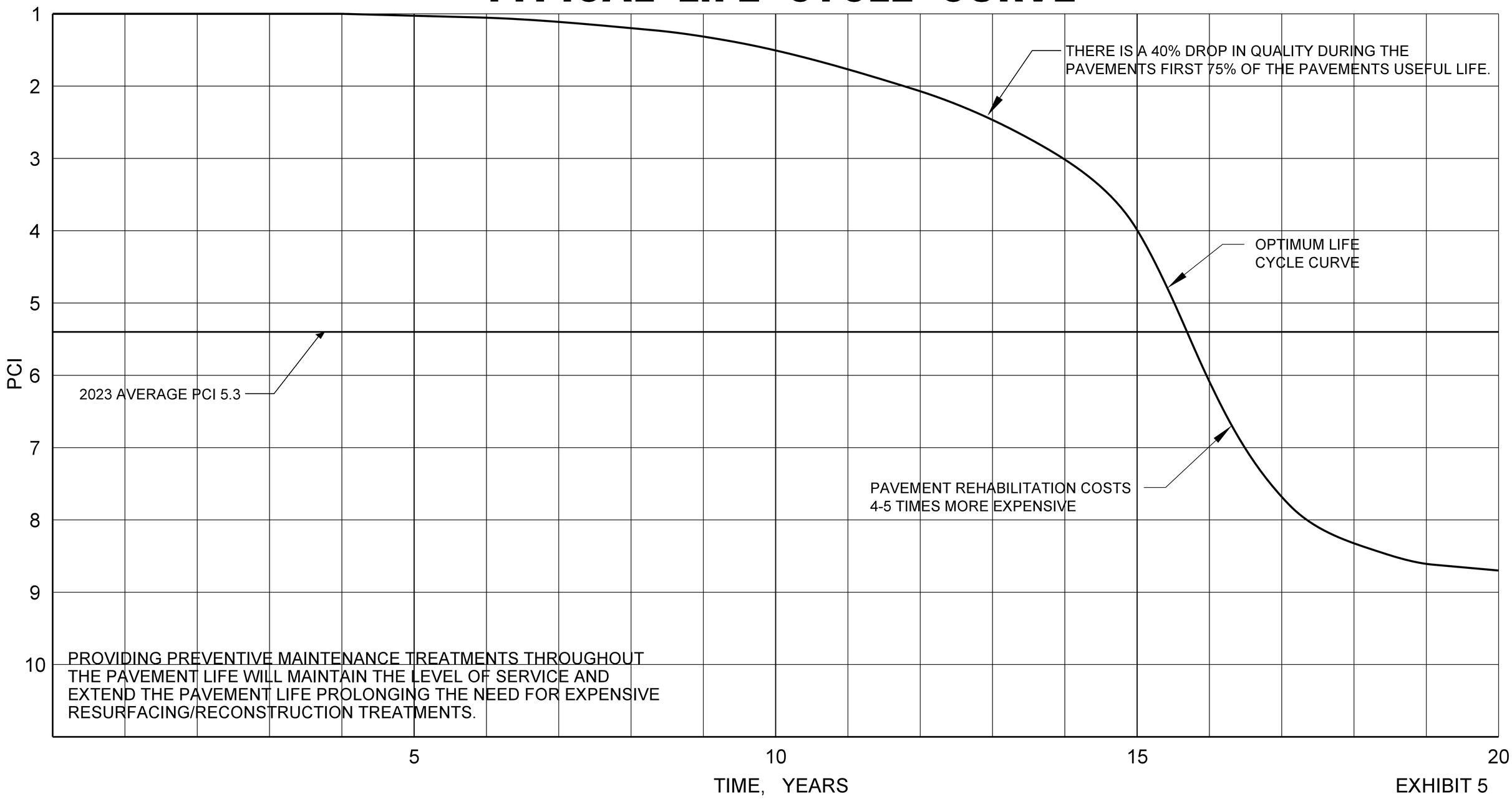


EXHIBIT 5

VILLAGE OF HATHORN WOODS

N:\HAWTHORNWOODS\0265 H's\H201-H300\0265H281\Civil\Exhibits\Superceded\Typical Life Cycle Curve.dgn

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

EXHIBIT #6
TYPICAL VISUAL PAVEMENT DISTRESSES

PCI 1 – Cranbrook Lane

Exhibit 6 - Typical Visual Pavement Distresses

PCI 2 – Acacia Drive

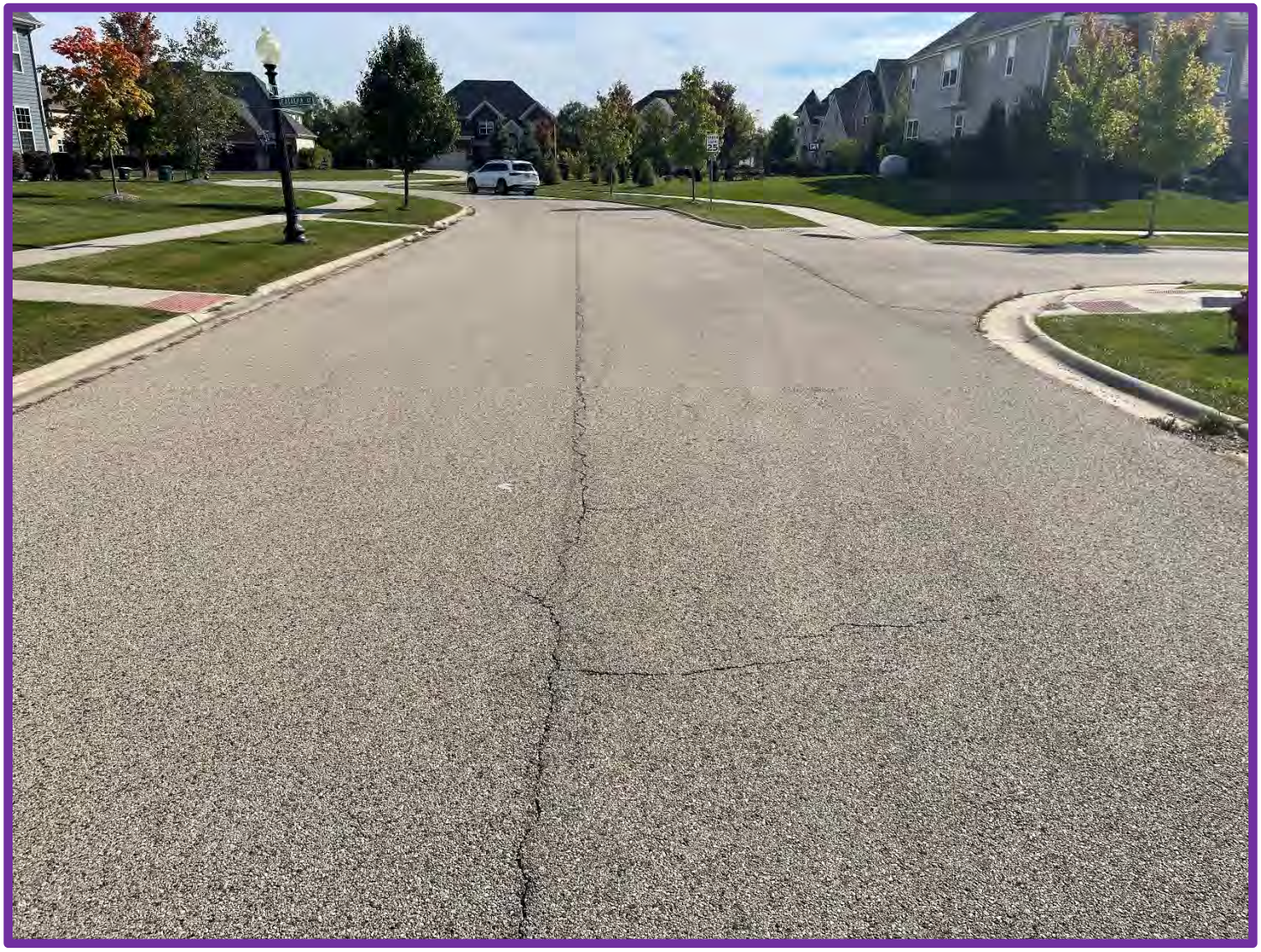


Exhibit 6 - Typical Visual Pavement Distresses

PCI 3 – Heritage Oaks Park

Exhibit 6 - Typical Visual Pavement Distresses

PCI 4 – Echo Lake Road

Exhibit 6 - Typical Visual Pavement Distresses

PCI 5 – Falcon Drive

Exhibit 6 - Typical Visual Pavement Distresses

PCI 6 – Glen Road

Exhibit 6 - Typical Visual Pavement Distresses

PCI 7 – Sequoia Road

Exhibit 6 - Typical Visual Pavement Distresses

PCI 8 – Blackhawk Road

Exhibit 6 - Typical Visual Pavement Distresses

PCI 9 – Owens Road

Exhibit 6 - Typical Visual Pavement Distresses

PCI 10 – Kruger Road

Exhibit 6 - Typical Visual Pavement Distresses

EXHIBIT #7
AREA PERCENTAGE OF PCI VALUES GRAPH

Exhibit 7

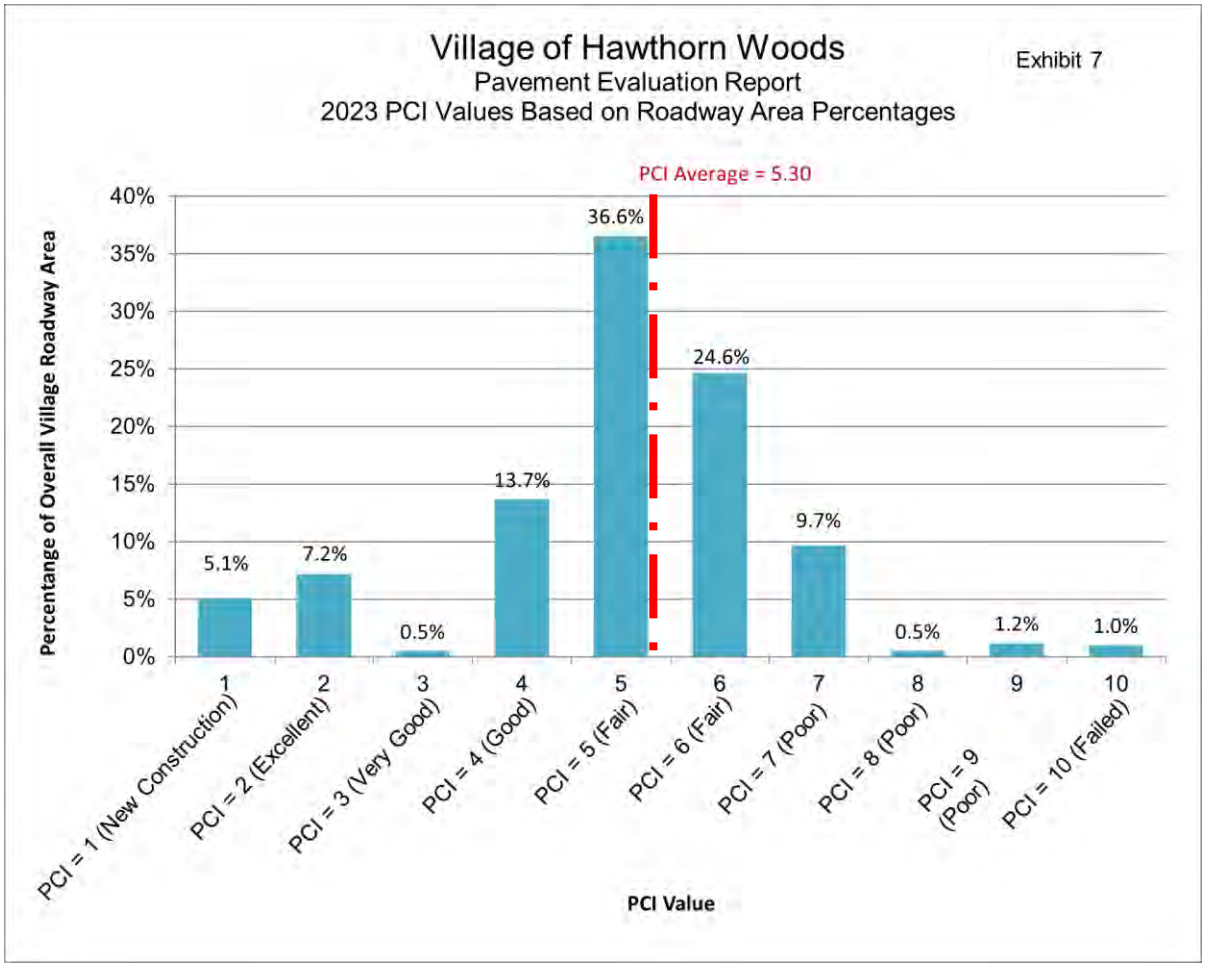

Village of Hawthorn Woods
Pavement Evaluation Report
2023 PCI Values Based on Roadway Area Percentages
PCI Average = 5.30
Percentange of Overall Village Roadway Area
40%
35%
30%
25%
20%
15%
10%
5%
0%
5.1%
7.2%
0.5%
13.7%
36.6%
24.6%
9.7%
0.5%
1.2%
1.0%
1
2
3
4
5
6
7
8
9
10
PCI = 1 (New Construction)
PCI = 2 (Excellent)
PCI = 3 (Very Good)
PCI = 4 (Good)
PCI = 5 (Fair)
PCI = 6 (Fair)
PCI = 7 (Poor)
PCI = 8 (Poor)
PCI = 9 (Poor)
PCI = 10 (Failed)
PCI Value

EXHIBIT #8
HAWTHORN WOODS COUNTRY CLUB MAP AND COST ESTIMATE (FOR REFERENCE ONLY)

Village of Hawthorn Woods

25-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
  NOT SURFACED

EXHIBIT 1
Date: 10/5/2018
REVISED 6/16/2023

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 H's\H201-H300\0265H281\Civil\Exhibits\2023 PCI Map for HWCC.dgn

HWCC STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 490 WIDTH = 25 TOTAL AREA (SQ YD) = 1,389 BRIAR CREEK CT (BRIAR CREEK DR TO BRIAR CREEK DR)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 6,079 WIDTH = 28 TOTAL AREA (SQ YD) = 19,291 TOURNAMENT DR N (SCHWERMAN TO EAST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,251	$ 1,251.00	17,362	$ 17,362.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	59	$ 5,015.00	811	$ 68,935.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	117	$ 9,360.00	1,621	$ 129,680.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,389	$ 2,778.00	19,291	$ 38,582.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	28	$ 1,260.00	386	$ 17,370.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	20	$ 700.00	244	$ 8,540.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 720.22	1	$ 8,913.52
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 720.22	1	$ 8,913.52
				SUBTOTAL =	$ 22,864.00	SUBTOTAL =	$ 282,969.00
				CONTINGENCY (5%) =	$ 1,143.20	CONTINGENCY (5%) =	$ 14,148.45
				SUBTOTAL =	$ 24,007.20	SUBTOTAL =	$ 297,117.45
				CONSTRUCTION TOTAL =	**$ 25,447.63**	**CONSTRUCTION TOTAL =**	**$ 314,944.50**
				ENGINEERING =	$ 2,544.76	ENGINEERING =	$ 31,494.45
				ROADWAY TOTAL =	**$ 27,992.40**	**ROADWAY TOTAL =**	**$ 346,438.95**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 1,359 WIDTH = 27 TOTAL AREA (SQ YD) = 4,159 TWIN EAGLES CT (CHAMPIONSHIP TO WEST CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 2,345 WIDTH = 26 TOTAL AREA (SQ YD) = 6,910 DORAL DR (TOURNAMENT NORTH TO EAST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	3,744	$ 3,744.00	6,219	$ 6,219.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	175	$ 14,875.00	291	$ 24,735.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	350	$ 28,000.00	581	$ 46,480.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,159	$ 8,318.00	6,910	$ 13,820.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	84	$ 3,780.00	139	$ 6,255.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	55	$ 1,925.00	94	$ 3,290.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,988.97	1	$ 3,253.92
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,988.97	1	$ 3,253.92
				SUBTOTAL =	$ 63,142.00	SUBTOTAL =	$ 103,299.00
				CONTINGENCY (5%) =	$ 3,157.10	CONTINGENCY (5%) =	$ 5,164.95
				SUBTOTAL =	$ 66,299.10	SUBTOTAL =	$ 108,463.95
				CONSTRUCTION TOTAL =	**$ 70,277.05**	**CONSTRUCTION TOTAL =**	**$ 114,971.79**
				ENGINEERING =	$ 7,027.70	ENGINEERING =	$ 11,497.18
				ROADWAY TOTAL =	**$ 77,304.75**	**ROADWAY TOTAL =**	**$ 126,468.97**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C&G LENGTH = 1,713 WIDTH = 23 TOTAL AREA (SQ YD) = 4,466 EAGLE RIDGE DR (CHAMPIONSHIP TO TOURNAMENT NORTH)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 773 WIDTH = 23 TOTAL AREA (SQ YD) = 2,015 OLYMPIA FIELDS CT (TOURNAMENT NORTH TO SOUTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,814	$ 1,814.00	1,814	$ 1,814.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	188	$ 15,980.00	85	$ 7,225.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	376	$ 30,080.00	170	$ 13,600.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	4,466	$ 8,932.00	2,015	$ 4,030.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	90	$ 4,050.00	41	$ 1,845.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	69	$ 2,415.00	31	$ 1,085.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,141.28	1	$ 1,011.12
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,141.28	1	$ 1,011.12
				SUBTOTAL =	$ 67,977.00	SUBTOTAL =	$ 32,099.00
				CONTINGENCY (5%) =	$ 3,398.85	CONTINGENCY (5%) =	$ 1,604.95
				SUBTOTAL =	$ 71,375.85	SUBTOTAL =	$ 33,703.95
				CONSTRUCTION TOTAL =	**$ 75,658.40**	**CONSTRUCTION TOTAL =**	**$ 35,726.19**
				ENGINEERING =	$ 7,565.84	ENGINEERING =	$ 3,572.62
				ROADWAY TOTAL =	**$ 83,224.24**	**ROADWAY TOTAL =**	**$ 39,298.81**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 2" SURFACE, 3" BINDER, 12" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

HWCC STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 330 WIDTH = 24 TOTAL AREA (SQ YD) = 898 WHISPER CREEK CT (BRIAR CREEK TO NORTH CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 785 WIDTH = 25 TOTAL AREA (SQ YD) = 2,225 PRAIRIE LANDING CT (OLYMPIA FIELDS TO SOUTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	809	$ 809.00	2,003	$ 2,003.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	38	$ 3,230.00	94	$ 7,990.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	76	$ 6,080.00	187	$ 14,960.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	898	$ 1,796.00	2,225	$ 4,450.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	18	$ 810.00	45	$ 2,025.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	14	$ 490.00	32	$ 1,120.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 495.02	1	$ 1,104.01
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 495.02	1	$ 1,104.01
				SUBTOTAL =	$ 15,715.00	SUBTOTAL =	$ 35,048.00
				CONTINGENCY (5%) =	$ 785.75	CONTINGENCY (5%) =	$ 1,752.40
				SUBTOTAL =	$ 16,500.75	SUBTOTAL =	$ 36,800.40
				CONSTRUCTION TOTAL =	**$ 17,490.80**	**CONSTRUCTION TOTAL =**	**$ 39,008.42**
				ENGINEERING =	$ 1,749.08	ENGINEERING =	$ 3,900.84
				ROADWAY TOTAL =	**$ 19,239.87**	**ROADWAY TOTAL =**	**$ 42,909.27**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 2,057 WIDTH = 25 TOTAL AREA (SQ YD) = 5,829 CHAMPIONSHIP PKWY (GILMER TO TOURNAMENT NORTH)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 230 WIDTH = 26 TOTAL AREA (SQ YD) = 678 RIVER HIGHLANDS DR (TOURNAMENT NORTH TO WEST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	5,247	$ 5,247.00	611	$ 611.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	245	$ 20,825.00	29	$ 2,465.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	490	$ 39,200.00	57	$ 4,560.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	5,829	$ 11,658.00	678	$ 1,356.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	117	$ 5,265.00	14	$ 630.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	83	$ 2,905.00	10	$ 350.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,759.40	1	$ 392.87
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,759.40	1	$ 392.87
				SUBTOTAL =	$ 87,600.00	SUBTOTAL =	$ 12,472.00
				CONTINGENCY (5%) =	$ 4,380.00	CONTINGENCY (5%) =	$ 623.60
				SUBTOTAL =	$ 91,980.00	SUBTOTAL =	$ 13,095.60
				CONSTRUCTION TOTAL =	**$ 97,498.80**	**CONSTRUCTION TOTAL =**	**$ 13,881.34**
				ENGINEERING =	$ 9,749.88	ENGINEERING =	$ 1,388.13
				ROADWAY TOTAL =	**$ 107,248.68**	**ROADWAY TOTAL =**	**$ 15,269.47**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C&G LENGTH = 1,100 WIDTH = 22 TOTAL AREA (SQ YD) = 2,743 HARBORSIDE WAY (2080FT N TOURNAMENT DR TO 2400FT N TORNAMENT DR)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 785 WIDTH = 24 TOTAL AREA (SQ YD) = 2,136 TURNBURY CT (DORAL TO NORTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,469	$ 2,469.00	1,923	$ 1,923.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	116	$ 9,860.00	90	$ 7,650.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	231	$ 18,480.00	180	$ 14,400.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,743	$ 5,486.00	2,136	$ 4,272.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	55	$ 2,475.00	43	$ 1,935.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	22	$ 770.00	32	$ 1,120.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,245.51	1	$ 1,064.70
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,245.51	1	$ 1,064.70
				SUBTOTAL =	$ 39,540.00	SUBTOTAL =	$ 33,800.00
				CONTINGENCY (5%) =	$ 1,977.00	CONTINGENCY (5%) =	$ 1,690.00
				SUBTOTAL =	$ 41,517.00	SUBTOTAL =	$ 35,490.00
				CONSTRUCTION TOTAL =	**$ 44,008.02**	**CONSTRUCTION TOTAL =**	**$ 37,619.40**
				ENGINEERING =	$ 4,400.80	ENGINEERING =	$ 3,761.94
				ROADWAY TOTAL =	**$ 48,408.82**	**ROADWAY TOTAL =**	**$ 41,381.34**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 2" SURFACE, 3" BINDER, 12" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

HWCC STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C+G LENGTH = 1,867 WIDTH = 25 TOTAL AREA (SQ YD) = 5,290 BRIAR CREEK DR (DORAL TO SCHWERMAN)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= C+G LENGTH = 1,910 WIDTH = 25 TOTAL AREA (SQ YD) = 5,412 CRYSTAL DOWNS DR (TOURNAMENT SOUTH TO NORTH CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	4,761	$ 4,761.00	4,871	$ 4,871.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	223	$ 18,955.00	228	$ 19,380.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	445	$ 35,600.00	455	$ 36,400.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	5,290	$ 10,580.00	5,412	$ 10,824.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	106	$ 4,770.00	109	$ 4,905.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	75	$ 2,625.00	77	$ 2,695.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 2,513.42	1	$ 2,569.61
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 2,513.42	1	$ 2,569.61
				SUBTOTAL =	$ 79,791.00	SUBTOTAL =	$ 81,575.00
				CONTINGENCY (5%) =	$ 3,989.55	CONTINGENCY (5%) =	$ 4,078.75
				SUBTOTAL =	$ 83,780.55	SUBTOTAL =	$ 85,653.75
				CONSTRUCTION TOTAL =	**$ 88,807.38**	**CONSTRUCTION TOTAL =**	**$ 90,792.98**
				ENGINEERING =	$ 8,880.74	ENGINEERING =	$ 9,079.30
				ROADWAY TOTAL =	**$ 97,688.12**	**ROADWAY TOTAL =**	**$ 99,872.27**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= C+G LENGTH = 639 WIDTH = 25 TOTAL AREA (SQ YD) = 1,811 OAKLAND HILLS CT (CRYSTAL DOWNS TO EAST CDS)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= C+G LENGTH = 1,191 WIDTH = 25 TOTAL AREA (SQ YD) = 3,375 SOMERSET HILLS CT (TOURNAMENT SOUTH TO EAST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	1,630	$ 1,630.00	3,038	$ 3,038.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	77	$ 6,545.00	142	$ 12,070.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	153	$ 12,240.00	284	$ 22,720.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	1,811	$ 3,622.00	3,375	$ 6,750.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	37	$ 1,665.00	68	$ 3,060.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	26	$ 910.00	48	$ 1,680.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 917.03	1	$ 1,632.27
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 917.03	1	$ 1,632.27
				SUBTOTAL =	$ 29,112.00	SUBTOTAL =	$ 51,818.00
				CONTINGENCY (5%) =	$ 1,455.60	CONTINGENCY (5%) =	$ 2,590.90
				SUBTOTAL =	$ 30,567.60	SUBTOTAL =	$ 54,408.90
				CONSTRUCTION TOTAL =	**$ 32,401.66**	**CONSTRUCTION TOTAL =**	**$ 57,673.43**
				ENGINEERING =	$ 3,240.17	ENGINEERING =	$ 5,767.34
				ROADWAY TOTAL =	**$ 35,641.82**	**ROADWAY TOTAL =**	**$ 63,440.78**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 7 EXISTING RIBBON= C+G LENGTH = 4,985 WIDTH = 28 TOTAL AREA (SQ YD) = 15,820 TOURNAMENT DR SOUTH (SCHWERMAN TO TOURNAMENT EAST)		GRIND & OVERLAY PCI= 7 EXISTING RIBBON= C+G LENGTH = 2,033 WIDTH = 25 TOTAL AREA (SQ YD) = 5,761 TOURNAMENT DR EAST (TOURNAMENT SOUTH TO EAST CDS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	14,238	$ 14,238.00	5,185	$ 5,185.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	665	$ 56,525.00	242	$ 20,570.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	1,329	$ 106,320.00	484	$ 38,720.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	15,820	$ 31,640.00	5,761	$ 11,522.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	317	$ 14,265.00	116	$ 5,220.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	200	$ 7,000.00	82	$ 2,870.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 7,323.37	1	$ 2,727.49
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 7,323.37	1	$ 2,727.49
				SUBTOTAL =	$ 232,488.00	SUBTOTAL =	$ 86,587.00
				CONTINGENCY (5%) =	$ 11,624.40	CONTINGENCY (5%) =	$ 4,329.35
				SUBTOTAL =	$ 244,112.40	SUBTOTAL =	$ 90,916.35
				CONSTRUCTION TOTAL =	**$ 258,759.14**	**CONSTRUCTION TOTAL =**	**$ 96,371.33**
				ENGINEERING =	$ 25,875.91	ENGINEERING =	$ 9,637.13
				ROADWAY TOTAL =	**$ 284,635.06**	**ROADWAY TOTAL =**	**$ 106,008.46**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 2" SURFACE, 3" BINDER, 12" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

HWCC STREETS

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 3 EXISTING RIBBON= C+G LENGTH = 3,910 WIDTH = 30 TOTAL AREA (SQ YD) = 13,294 OPEN PKWY NORTH (TOURNAMENT SOUTH TO OPEN PKWY)		GRIND & OVERLAY PCI= 3 EXISTING RIBBON= C+G LENGTH = 1,823 WIDTH = 26 TOTAL AREA (SQ YD) = 5,372 OPEN PKWY SOUTH (TOURNAMENT SOUTH TO OPEN PKWY)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	11,965	$ 11,965.00	4,835	$ 4,835.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	559	$ 47,515.00	226	$ 19,210.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	1,117	$ 89,360.00	452	$ 36,160.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	13,294	$ 26,588.00	5,372	$ 10,744.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	266	$ 11,970.00	108	$ 4,860.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	157	$ 5,495.00	73	$ 2,555.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	1	$ 2,500.00
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 6,154.88	1	$ 2,547.22
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 6,154.88	1	$ 2,547.22
				SUBTOTAL =	$ 195,393.00	SUBTOTAL =	$ 80,864.00
				CONTINGENCY (5%) =	$ 9,769.65	CONTINGENCY (5%) =	$ 4,043.20
				SUBTOTAL =	$ 205,162.65	SUBTOTAL =	$ 84,907.20
				CONSTRUCTION TOTAL =	**$ 217,472.41**	**CONSTRUCTION TOTAL =**	**$ 90,001.63**
				ENGINEERING =	$ 21,747.24	ENGINEERING =	$ 9,000.16
				ROADWAY TOTAL =	**$ 239,219.65**	**ROADWAY TOTAL =**	**$ 99,001.80**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 3 EXISTING RIBBON= C+G LENGTH = 1,032 WIDTH = 25 TOTAL AREA (SQ YD) = 2,924 GLEN CLUB CT (OPEN NORTH TO WEST CDS)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C&G LENGTH = 350 WIDTH = 22 TOTAL AREA (SQ YD) = 873 GLEN EAGLES CT (TORUNAMENT DR N TO VILLAGE LIMITS)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,632	$ 2,632.00	786	$ 786.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	123	$ 10,455.00	37	$ 3,145.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	246	$ 19,680.00	74	$ 5,920.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	2,924	$ 5,848.00	873	$ 1,746.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	59	$ 2,655.00	18	$ 810.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	42	$ 1,470.00	7	$ 245.00
*NA	STRIPING	L. SUM	$ 2,500.00	1	$ 2,500.00	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,425.06	1	$ 398.54
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,425.06	1	$ 398.54
				SUBTOTAL =	$ 45,240.00	SUBTOTAL =	$ 12,652.00
				CONTINGENCY (5%) =	$ 2,262.00	CONTINGENCY (5%) =	$ 632.60
				SUBTOTAL =	$ 47,502.00	SUBTOTAL =	$ 13,284.60
				CONSTRUCTION TOTAL =	**$ 50,352.12**	**CONSTRUCTION TOTAL =**	**$ 14,081.68**
				ENGINEERING =	$ 5,035.21	ENGINEERING =	$ 1,408.17
				ROADWAY TOTAL =	**$ 55,387.33**	**ROADWAY TOTAL =**	**$ 15,489.84**

ITEM NO.	ITEM	UNIT	UNIT PRICE	GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C&G LENGTH = 1,250 WIDTH = 22 TOTAL AREA (SQ YD) = 3,117 RED TAIL DR (OPEN PKWY N TO OPEN PKWY N)		GRIND & OVERLAY PCI= 6 EXISTING RIBBON= C&G LENGTH = 290 WIDTH = 20 TOTAL AREA (SQ YD) = 658 RED TAIL DR (RED TAIL TO OPEN PKWY N)	
				QUANTITY	TOTAL COST	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	2,806	$ 2,806.00	593	$ 593.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	131	$ 11,135.00	28	$ 2,380.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	262	$ 20,960.00	56	$ 4,480.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	3,117	$ 6,234.00	658	$ 1,316.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	63	$ 2,835.00	14	$ 630.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	25	$ 875.00	6	$ 210.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 1,412.62	1	$ 302.68
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 1,412.62	1	$ 302.68
				SUBTOTAL =	$ 44,845.00	SUBTOTAL =	$ 9,609.00
				CONTINGENCY (5%) =	$ 2,242.25	CONTINGENCY (5%) =	$ 480.45
				SUBTOTAL =	$ 47,087.25	SUBTOTAL =	$ 10,089.45
				CONSTRUCTION TOTAL =	**$ 49,912.49**	**CONSTRUCTION TOTAL =**	**$ 10,694.82**
				ENGINEERING =	$ 4,991.25	ENGINEERING =	$ 1,069.48
				ROADWAY TOTAL =	**$ 54,903.73**	**ROADWAY TOTAL =**	**$ 11,764.30**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 2" SURFACE, 3" BINDER, 12" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

HWCC STREETS

GRIND & OVERLAY

PCI=	**6**
EXISTING RIBBON=	**C&G**
LENGTH =	**350**
WIDTH =	**22**
TOTAL AREA (SQ YD) =	**873**

WINGED FOOT DR (RED TAIL TO TOURNAMENT DR S)

ITEM NO.	ITEM	UNIT	UNIT PRICE	QUANTITY	TOTAL COST
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	$ 30.00	0	$ -
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	$ 1.00	0	$ -
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	$ 30.00	0	$ -
35102400	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	$ 10.00	0	$ -
35800100	PREPARATION OF BASE	SQ YD	$ 1.00	0	$ -
35800200	AGGREGATE BASE REPAIR	TON	$ 20.00	0	$ -
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	$ 1.00	786	$ 786.00
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	$ 85.00	37	$ 3,145.00
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	$ 80.00	0	$ -
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	$ 80.00	74	$ 5,920.00
*44000100	PAVEMENT REMOVAL/EARTH EXCAVATION	SQ YD	$ 15.00	0	$ -
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 1/4" TO 2"	SQ YD	$ 2.00	873	$ 1,746.00
44000167	HOT-MIX ASPHALT SURFACE REMOVAL, 4.25"	SQ YD	$ 4.00	0	$ -
*44201723	CLASS D PATCHES, 6" (SPECIAL)	SQ YD	$ 45.00	18	$ 810.00
*48300400	PORTLAND CEMENT CONCRETE SHOULDERS, 9"	SQ YD	$ 120.00	0	$ -
54205047	PIPE CULVERT REMOVAL AND REPLACEMENT	FOOT	$ 110.00	0	$ -
60100070	PCC SHOULDER REMOVAL AND REPLACEMENT	SQ YD	$ 125.00	0	$ -
*NA	CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	$ 35.00	7	$ 245.00
*NA	STRIPING	L. SUM	$ 2,500.00	0	$ -
*NA	CONSTRUCTION LAYOUT	L. SUM		1	$ 398.54
*NA	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L. SUM		1	$ 398.54

	SUBTOTAL =	$ 12,652.00
	CONTINGENCY (5%) =	$ 632.60
	SUBTOTAL =	$ 13,284.60
	CONSTRUCTION TOTAL =	**$ 14,081.68**
	ENGINEERING =	$ 1,408.17
	ROADWAY TOTAL =	**$ 15,489.84**

	ROADWAY TOTAL =	**$ 2,153,728.57**
	ROUTINE MAINTENANCE =	**$ 297,500.00**
	HWCC TOTAL =	**$ 2,451,228.57**

ASSUMPTIONS:

1. GRIND & OVERLAY = 1.5" SURFACE, 0.75" LEVELING BINDER, 5% PATCHING, 2% PCC SHOULDER/CURB REPAIR.
2. FULL DEPTH = 2" SURFACE, 2.5" BINDER, 5% UNDERCUTTING, 2% PCC SHOULDER/CURB REPAIR.
3. RECONSTRUCTION = 2" SURFACE, 3" BINDER, 12" AGGREGATE, 5% UNDERCUTTING, 100% PCC SHOULDER.
4. TRAFFIC CONTROL & PROTECTION AND CONSTRUCTION LAYOUT ARE EACH 3% (OF CONSTRUCTION TOTAL).
5. PIPE CULVERT REMOVAL AND REPLACEMENT UNIT PRICE INCLUDES TRENCH BACKFILL AND PATCHING.
6. DESIGN/CONSTRUCTION ENGINEERING FOR RECONS IS 15%, AND 10% FOR GRIND & OVERLAYS AND FULL DEPTHS.
7. DESIGN/CONSTRUCTION ENGINEERING FOR FULL DEPTH/RECON PARKING LOTS IS 15%.
8. PATCHING ASSUMPTION: 2%.
9. PCC SHOULDER REMOVAL AND REPLACEMENT ASSUMPTION: 1%.

EXHIBIT #9
STREETS WITH NO EXISTING RIBBON OR CURB PLAN

Village of Hawthorn Woods

25-Year Pavement Maintenance Program Hawthorn Woods, Illinois

No Existing Ribbon Plan

Streets with No Existing Ribbon or Curb

EXHIBIT 9
Date: 10/5/2018
REVISED 6/16/2023

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 H's\H201-H300\0265H281\Civil\Exhibits\No Existing Ribbon Plan.dgn