

# **Township of King Road Needs Study**

Township of King 2585 King Road King City ON L7B 1A1

R.J. Burnside & Associates Limited 35 Perry Street Woodstock ON N4S 3C4 CANADA

November 2022 (Revised June 2023) 300052814.2022

Township of King Road Needs Study November 2022 (Revised June 2023)

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# **Executive Summary**

This Report is the Road Needs Study (RNS) which is comprised of the 10-year paving strategy update, pavement management update and new gravel road paving strategy. The RNS updates the Township of King's (the Township) road inventory, establishes the physical condition of the road network and determines the road maintenance and improvement needs and costs. A general prioritization of the road improvement needs is provided for the Township to help develop a multi-year capital plan that will assist the Township in asset management planning.

## **Inventory of Roads**

Road inventory information was collected, and road condition ratings were established in April and July 2022 for all the assumed roads within the Township's road network. Approximately 350.608 km of roads are inventoried in this study which includes 330.210 km of roads that are assumed by the Township and 20.398 km of roads that have not yet been assumed by the Township. The assumed roads inventoried are comprised of:

- 58.629 km of gravel rural roads.
- 1.373 km of gravel semi-urban roads.
- 25.686 km of surface treatment rural roads.
- 6.714 km of surface treatment semi-urban roads.
- 121.489 km of asphalt rural roads.
- 29.441 km of asphalt semi-urban roads.
- 86.878 km of asphalt urban roads.

Maps of the overall surface types are presented in Appendix A, along with an Excel spreadsheet of the inventory and condition data.

Traffic volume ranges are estimated for the roads in this study, based upon traffic counts provided by the Township, taken at select locations from 2016 to 2021. Traffic volumes for a ten-year horizon period were also estimated, based on growth forecasts in the Township's Transportation Master Plan.

#### **Assessment of Road Needs**

A pavement condition index (PCI) was established for each road section, based on rating systems developed by the Ministry of Transportation (MTO). The PCI has been used to assess the improvement requirements for each segment within the road network. An improvement matrix has been developed by R.J. Burnside & Associates Limited (Burnside) for the Township that identifies the appropriate improvement type, considering the condition of the road, roadside environment, surface type, traffic volumes and recommended best practices for the life cycle management of road assets. The lifecycle improvements include routine maintenance, preventive maintenance,

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resurfacing, rehabilitation and reconstruction. A Priority Guide Number (PGN) and a Priority Rating Number (PRN) were developed to prioritize improvement needs.

The primary conclusions and recommendations made in this RNS are as follows:

- 10 Year Paving Strategy Update.
- Gravel Road Paving Strategy.
- Conduct a Township-wide traffic count study prior to the next RNS.
- Existing gravel or Low Class Bituminous (LCB) roads that may warrant upgrading (i.e., to LCB or High Class Bituminous (HCB) surfaces) have been identified.
- Road sections with the following issues/deficiencies have been identified in this RNS:
  - Potential for deficient sightlines.
  - Less than tolerable (i.e., deficient) road widths
- The total road network needs (i.e., current, today needs) for hardtop roads was determined to be \$26.5 million, and the total need to upgrade the remaining gravel roads was determined to be \$9.7 million.
- It is recommended that the Township establish an annual allowance specifically for applying cost-effective routine and preventive maintenance treatments on existing hardtop roads. Typical crack sealing budgets for similar municipalities are approximately \$180 per centreline km of road, therefore the recommended crack sealing budget for King Township is \$41,000 per annum.
- It is recommended that the Township further review their road maintenance budget to maintain their roads at a higher level of service. The needs over the next five years require a budget of approximately \$4.2 million to make the necessary improvements.
- It is recommended the Township align the road needs study finding, as presented in this report, with its Asset Management Plan. O.Reg 588/17 requires that all municipalities establish a service level for their critical infrastructure by 2025. This will assist with prioritization of road improvements in the next RNS.
- Two intersections along the 8<sup>th</sup> Concession may have deficient sightlines. It is recommended that the Township complete a detailed sightline analysis study for the intersections of 15<sup>th</sup> Sideroad and 8<sup>th</sup> Concession as well as 17<sup>th</sup> Sideroad and 8<sup>th</sup> Concession.

Burnside gratefully acknowledges the assistance and contributions of Township staff in the preparation of this study.

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#### 1.0 Introduction

R.J. Burnside & Associates Limited (Burnside) was retained by the Township of King (the Township) to conduct a Road Needs Study (RNS) and develop a 10-year road improvement plan. The road improvement plan includes three categories, the 10 Year Paving Strategy update, the Pavement Improvement Plan and the new Gravel Road Paving Strategy. This RNS updates the Township's road inventory, establishes the physical condition of the road network and determines the road maintenance and improvement needs and costs. A general prioritization of the road improvement needs is provided for the Township to help develop a multi-year capital plan that will assist the Township in asset management planning.

A complete Road Management Plan (RMP) considers the full range of issues that may affect the ongoing maintenance, improvement, and management of a road network, culminating in the completion of a multi-year road improvement plan. Outlined in this report is the 10-year road improvement plan that has been developed by Burnside using the current road conditions, priority rating and traffic volumes of the Township's road network.

We gratefully acknowledge the assistance and contributions of the Township staff in the preparation of this Study.

#### 1.1 Previous Road Needs Studies and Background Studies

The Township completed two Road Needs Studies in the past, including the 2011 Road Needs Study (2011 Study) and a 2016 Road Needs Study (2016 Study). The previous studies' methodologies were based on the Inventory Manual for Township Roads (Ministry of Transportation, 1991).

A Technical Memorandum (Draft) was completed in 2019 that summarized the results of a Gravel Road Improvement Study (2019 Gravel Study) that was completed for the Township. The 2019 Gravel Study provided an assessment of the costs to improve and resurface the Township's gravel roads.

The Township's 2020 Transportation Master Plan (2020 TMP), dated 2020, was also reviewed and projected growth was considered. In addition, as Burnside has completed various road reconstruction and bridge / culvert Capital Works projects in recent years, these projects were considered in the assessment.

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# 2.0 The Road Study

# 2.1 Road Inventory

A total of 350.608 km of roads were inventoried as part of this RNS including 330.210 km of roads that have been assumed by the Township, and 20.398 km of roads that have not yet been assumed by the Township. Roads are identified by their road names and identification numbers and road segments have been identified by reference to their location, with respect to intersecting roads. The road database and road inventory mapping are provided in Appendix A for reference purposes.

The database and mapping are fully integrated within a geographic information system (GIS) and each section has been assigned a unique ID number and GIS reference number. Data related to the road sections are obtained through a field review of the overall road network including:

- Road ID, Name, From, To
- Length
- Road Width
- Boundary Road
- Roadside Environment: Rural, Semi-urban and Urban
- Functional Class
- Minimum Maintenance Class
- Annual Average Daily Traffic: Existing and Projected
- Number of Lanes
- Surface Type: Gravel, High and Low Class Bituminous (asphalt)
- Platform Width
- Surface Width
- Shoulder Width
- Speed Limit
- Structural Adequacy Rating of the Road
- Distress Manifestation Index (DMI): various types of road distress, with quantification of the density and severity of the distress
- Ride Comfort Rating (RCR): qualitative assessment of ride comfort
- Calculation of Pavement Condition Index (PCI): based on DMI and RCR, using the Ministry of Transportation (MTO) formulae

#### 2.2 Functional Road Classifications

Based on the Township's Official Plan, the class of all roads within the Township are defined as follows:

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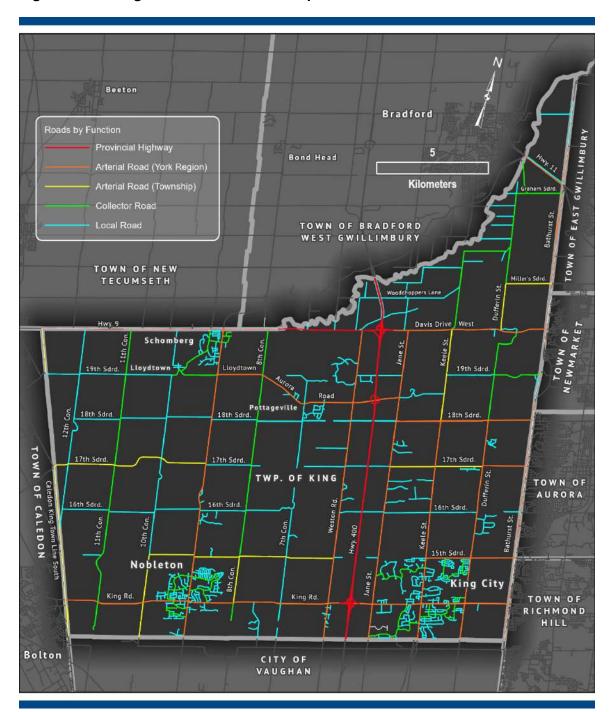
Arterial Roads: Includes both Regional and Township roads. Arterial roads serve
higher volumes of intra-urban traffic at moderate to high speeds with limited private
access. These roads also provide regional vehicular movement, goods movement,
transit priority and active transportation. The planned right-of-way (ROW) width is up
to 36 m and may include cycle tracks and multi-use paths.

- Urban Collector: These roads collect traffic from local roads and connect them to
  arterial roads. Urban collector roads are typically used by local traffic with limited
  through traffic. Private access and on-street parking can also be permitted. The
  roadway will accommodate pedestrian and cyclist traffic via the provision of sidewalk
  and cycling facilities. The planned ROW width is 26 m and elements within the cross
  section will vary depending on environment.
- Rural Collector: These roadways are typically located outside the urban areas.
   Rural collector roads serve regional and interregional vehicular movement at higher speeds. The planned ROW width is 26 m and includes features that assist in goods movement, farming supportive design measures, paved shoulders, and multi-use paths.
- Urban Local: Serves local traffic of typically low volumes. Private access is permitted on these roadways and intersections are typically stop or yield controlled. Cyclists may share the roadway with vehicles and pedestrian facilities may vary depending on environment. The planned ROW width is 20 m.
- **Rural Local**: These roadways are typically located outside villages and are similar to urban local roads. The planned right-of-way width is 20 m.

Figure 1**Error! Reference source not found.** shows the existing generalized road classifications of the Township's roads as listed in Schedule F of the Township's Official Plan.

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**Figure 1: Existing Road Classification Map** 



#### 2.3 Traffic Considerations

Traffic volume is an important consideration for determining the road improvement needs for any road segment within the road network. Traffic range estimates for Annual Average Daily Traffic (AADT) for each road section are included in the database in

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Appendix A. the AADT volume ranges for this study are estimates based on historical traffic count work completed in 2016, 2020 and 2021 at select locations throughout the road network. Based on the Township's TMP, a growth rate of 2.1% compounded annually was applied for all segments with the exception of local roads from the base year traffic count to the existing year (2022). The estimated 2022 traffic volume ranges are shown graphically on the plan in Appendix B. The same growth rate was used to estimate the 2032 traffic volumes. The volume ranges for 2032 are presented graphically in Appendix B as well.

The lengths of roads that have been assumed by the Township in the various traffic volume ranges are summarized in Table 1.

Table 1: Length of Roads with Various AADT Traffic Ranges

AADT Troffic Dongs (yard)	Length of Road in Traffic Range (km)						
AADT Traffic Range (vpd)	Existing (2022)	Year 2032					
0 – 49	13.339	11.411					
50 – 199	75.965	58.976					
200 –399	70.744	65.636					
400 – 999	87.940	96.193					
1,000 – 1,999	57.197	54.763					
2,000 – 2,999	9.561	23.041					
3,000 – 3,999	4.745	7.015					
4,000 – 4,999	2.232	2.456					
5,000 - 5,999	2.127	2.232					
6,000 – 7,999	4.722	4.147					
8,000 – 9,999	0	2.702					
10,000 – 11,999	1.638	0					
12,000 – 14,999	0	1.638					
Total	330.210	330.210*					

<sup>\*</sup> Future AADT totals will vary based on growth within the Township and additional roads being assumed by the Township.

Traffic volumes and traffic types (auto, truck) are also important considerations in establishing the road surface needs for roads within the road network. Consideration may be given to upgrading gravel roads or surface treated roads to an asphalt surface, for roads experiencing high traffic volumes, high truck volumes or high truck loading, or where high maintenance is an ongoing issue.

Where traffic volumes exceed 200 vehicles per day (vpd), upgrading of gravel road surfaces to hard top road surfaces may be considered. Similarly, where traffic volumes exceed 400 vpd, upgrading of surface treatment roads to asphalt roads may be considered, per industry practice.

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Truck volumes typically range from a low of 3% on low volume residential streets to a high of 15% or more on arterials and collector roads. Information on truck volumes on the Township's roads was not available for this current study. It is recommended that the Township develop a traffic counting program and release a Request for Proposal (RFP) a few months prior to their next RNS update to ensure that the AADT volumes being used are current. Also, it is recommended that any future traffic counting work in the Township distinguish vehicle classifications (i.e., heavy truck volumes) particularly if consideration is being made to upgrade the road's surface type. For low volume rural roads, this study recommends that surface upgrading may be economical to consider where the percentage of trucks exceed 10% of the AADT provided the absolute volume of truck traffic is over 30 trucks per day.

# 2.4 Roadside Environment and Surface Type

The roadside environment and surface type for each road section have been identified in the database in Appendix A, with the surface type also illustrated on the map. For the purposes of this study the roadside environment and surface type have been differentiated as follows:

#### **Roadside Environment**

- **Urban Environment**: Reasonably continuous development occurs along the roadway and the roadway design includes curbs and/or gutters and storm sewers.
- Semi-Urban Environment: Reasonably continuous development occurs along the roadway and the roadway design includes open ditches or swales and does not include curbs and/or gutters or storm sewers.
- Rural Environment: Rural roads which abut scattered rural development, farmland, or undeveloped land.

#### **Surface Type**

- Gravel
- Low Class Bituminous (LCB, Surface Treatment)
- High Class Bituminous (HCB, Asphalt)

The roadside environment and road surface types within the Township are summarized in Table 2.

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Table 2: Roadside Environment Categorized by Surface Type

Surface Type	Roadside Environment	Length (km)	Percent of Total		
Gravel	Rural	58.629	17.755%		
	Semi-Urban	1.373	0.416%		
LCB	Rural	25.686	7.779%		
	Semi-Urban	6.714	2.033%		
HCB	Rural	121.489	36.791%		
	Semi-Urban	29.441	8.916%		
	Urban	86.878	26.310%		
	Total	330.210	100%		

Of the 330.210 km of roads inventoried, the roadside environments and surface types are summarized as follows:

- Roadside Environment: 205.804 km rural (62.325%), 37.528 km semi-urban (11.365%) and 86.878 km urban (26.310%).
- Road Surface Type: 60.002 km gravel (18.171%), 32.400 km LCB (9.812%), and 237.808 km HCB (72.017%).

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# 3.0 Methodology

This study uses various Ministry of Transportation Ontario (MTO) procedures for the evaluation of the condition of the roads including the following:

- SP-024 Manual for Condition Rating of Flexible Pavements Distress Manifestations, Ministry of Transportation, 1989.
- SP-021 Manual for Condition Rating of Surface-Treated Pavements Distress Manifestations, Ministry of Transportation, 1989.
- SP-025 Manual for Condition Rating of Gravel Surface Roads, Ministry of Transportation, 1989.
- The Formulations to Calculate Pavement Condition Indices, Ministry of Transportation, 2007.
- Inventory Manual for Municipal Roads, Ministry of Transportation, 1991.

In addition to using the above manuals for condition evaluation, this study also uses the MTO prioritization methodology (Priority Rating and Priority Guide Number). This study uses the MTO methodology for all aspects of the project as these are the most commonly used methodologies for RNSs in Ontario and are based on technical inputs.

The inventory has also included the development of GIS mapping, and related database, for the Township's roads.

# 3.1 Hardtop Surface Paving Program and Pavement Management

#### 3.1.1 Desktop Review

Burnside completed a desktop review of the background information provided by the Township to facilitate the field work and project setup prior to any field collection commencing. The following tasks were part of the desktop review to initiate this project.

The previous RNS reports (2011 Study & 2016 Study) were reviewed to determine the methodology used, tasks completed and the procedures that were used. Additionally, the previous reports were reviewed to determine how roads were identified (i.e., unique identifier for that study, Municipal ID, Road Name, etc.).

The 2020 Paving Strategy was reviewed to become familiar with the recommendations of the previous report and the 10-year capital improvement plan. The review of the 2020 study also allowed Burnside to become familiar with the Township's approach to road improvements and their progress over the previous 2 years.

The Township's 2020 Transportation Master Plan (TMP) was reviewed to determine the annual growth rate that is projected for the Township's roads.

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Historical traffic volumes (AADTs) were reviewed to determine any areas of the Township's road network that was missing and would need attention (i.e., traffic volume forecasting/estimating or data collection). Based on the review of the 2020 TMP, a growth rate of 2.1% per annum (i.e., annual traffic growth) was determined.

The Township's Official Plan was also reviewed to determine the road classification descriptions as they apply to King, as well as to determine the existing road classification for each road segment within the Township.

Setup of a GIS linked field collection application that can be used on a tablet or phone using Arc GIS products (Survey 123, Field Maps, etc.). As part of this task, a GIS database for this study was created and the Township's road network was imported to determine what data was missing. This GIS application was created to link the data being collected in the field to the GIS database.

Review of relevant, and current road improvement cost data/information for Ontario was completed to determine unit costs for the components of the various types of improvements proposed in this study. This unit cost data was then used during detailed analysis of the proposed improvement types to determine a cost per m² for each improvement (i.e., cost per m² to reconstruct an asphalt road).

#### 3.1.2 Visual Condition Survey

A visual assessment of the Township's hardtop road network took place in July 2022, to determine the condition rating of the road surface. Specific pavement distress ratings (i.e., Severity and Density) were assigned for 15 different distress types for hardtop road sections, based generally on the "Flexible Pavement Condition Evaluation Form" developed by the Ministry of Transportation.

The severity of a distress can be simply defined as how bad the distress is (i.e., slight cracking). The Severity of a distress is based on a scale of engineering judgement from previous experience and contains five levels. The five levels of severity are Very Slight, Slight, Moderate, Severe and Very Severe.

The density of the distress is also assigned which can be defined as the extent of the issues (i.e., how frequent the distress is present on the road). Like the severity, density is also based on engineering judgement from experience and contains five levels. The five levels of density are Few, Intermittent, Frequent, Extensive and Throughout.

As mentioned above, the review of hardtop roads requires 15 different distress types to be assigned to the road segment. The 15 distress types for hardtop roads consist of the following.

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#### **Distress 1: Ravelling and Loss of Surface Aggregate**

Ravelling and surface aggregate loss is a surface defect and consists of the pavement surface breaking up with small pockmarks where the surface aggregate is lost from. This surface distress can be caused by a lack of bond between the asphalt and the underlying binder. Surface aggregate loss can also be caused by poor asphalt content and/or high air voids in the asphalt. Figure 2 below is an example of ID ORRD-0103 (10<sup>th</sup> Concession between 16<sup>th</sup> Sideroad and 2.05 km North) where very slight, intermittent surface aggregate loss was detected.

Figure 2: Ravelling and Aggregate Loss Example



#### **Distress 2: Flushing**

Flushing is a surface defect that consists of the asphalt cement (binding content in the asphalt mixture) on the asphalt surface. Flushing is most likely to occur in the wheel tracks during hot weather. Flushing can be caused by high asphalt cement content in the asphalt mix relative to the voids. During hot days, asphalt cements expand and fills any air voids present in the asphalt surface, is the air voids are too low and the road is prone to high traffic volumes, flushing is likely to occur. Figure 3 below is an example of ID ORRD-0053 (11th Concession between 16th Sideroad and 17th Sideroad) where slight, frequent asphalt cement flushing was detected.

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Figure 3: Flushing Example



**Distress 3: Rippling and Shoving** 

Rippling and shoving is a surface deformation that consists of waves in the pavement surface. Rippling is where regular transverse waves are present, and shoving is where single or multiple waves are located transversely along the road. Rippling and shoving can be caused by poor construction practices, heavy traffic on steep grade changes (downgrade or upgrade), low stability in the asphalt mixture or an unstable granular base. Figure 4 below is an example of ID ORRD-0012 (19<sup>th</sup> Sideroad between King-Newmarket boundary and Old Bathurst Street) where severe, few rippling and shoving was detected.

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Figure 4: Rippling and Shoving Example

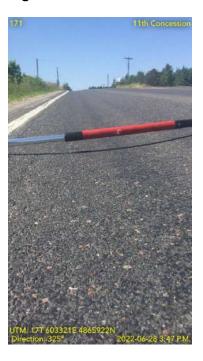


**Distress 4: Wheel Track Rutting** 

Wheel track rutting is a surface deformation that can be defined as longitudinal depressions in the form of a single or double wheel in the wheel path of a lane. Wheel track rutting is a result of deformation due to frequent load combined with pavement material displacement. Some causes of wheel track rutting include, poorly compacted asphalt lifts, unstable granular base, unstable shoulder material or allowing traffic onto a hot asphalt mat before letting it cool. Figure 5 below is an example of ID ORRD-0053 (11th Concession between 16th Sideroad and 17th Sideroad) where severe, intermittent wheel track rutting was detected.

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Figure 5: Wheel Track Rutting Example



**Distress 5: Distortion** 

Distortion is also a surface deformation and can be defined as any deviation of the pavement surface from its original shape (other than described under rippling or shoving). Usually distortions result from settlement, slope failure or volumes changes due to moisture change. Some of the possible causes of distortion include, Lack of subgrade support, roadside embankment slope failure, improper maintenance or culvert failures. Figure 6 below is an example of ID ORRD-0194 (8<sup>th</sup> Concession between 17<sup>th</sup> Sideroad and 17<sup>th</sup> Sideroad) where severe, few distortions were detected.

Figure 6: Distortion Example



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#### Distress 6: Longitudinal Wheel Track Cracking (Single or Multiple)

Longitudinal wheel track cracking can be defined as cracks that follow a path approximately parallel to the centre line of the road and located near or at the centre of the wheel path. Possible causes of longitudinal wheel track cracking are overloaded vehicles while the pavement is at the weakest (early spring) and/or fatigue failure of thin asphalt. Figure 7 below is an example of ID ORRD-0055 (17<sup>th</sup> Sideroad between 12<sup>th</sup> Concession and Caledon King Townline South) where severe, frequent wheel track cracking was detected.

Figure 7: Wheel Track Cracking Example



**Distress 7: Longitudinal Wheel Track Cracking (Alligator)** 

Longitudinal wheel track alligator cracking can be defined as, as network of polygon cracks in the form of an alligator pattern that follow a path approximately parallel to the centre line of the road and located near or at the centre of the wheel path. Possible causes of longitudinal wheel track alligator cracking are, insufficient bearing support and/or poor base drainage and stiff or brittle asphalt mixes at cold temperatures. Figure 8 below is an example of ID ORRD-0103 (10th Concession between 16th Sideroad and 2.06 km North) where severe, few wheel track alligator cracking was detected.

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Figure 8: Wheel Track Alligator Cracking Example



**Distress 8: Centreline Cracking (Single or Multiple)** 

Centreline cracking can be defined as single or multiple cracks that have occurred in the pavement surface that are located at or near the centreline of the roadway. Some possible causes of centreline cracking are, poor longitudinal joint construction, variable granular depths due to constructing lanes separately and/or moisture changes. Figure 9 below is an example of ID BRRD-0001 (Kettleby Road between Keele Street and Lorne Avenue) where moderate, intermittent centreline cracking was detected.

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Figure 9: Centreline Cracking Example



**Distress 9: Centreline Cracking (Alligator)** 

Centreline alligator cracking can be defined as a network of polygon cracks that have formed the pattern of alligator skin and are located at or near the centreline of the roadway. Some possible causes for centreline alligator cracking are insufficient bearing support and/or poor base drainage and stiff or brittle asphalt mixes at cold temperatures. Figure 10 below is an example of ID ORRD-0103 (10<sup>th</sup> Concession between 16<sup>th</sup> Sideroad and 2.06 km North) where severe, few centreline alligator cracking was detected.

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Figure 10: Centreline Alligator Cracking Example



**Distress 10: Pavement Edge Cracking (Single or Multiple)** 

Pavement edge cracking can be defined as cracks that are parallel to extending out from the pavement lane edge. Pavement edge cracks can either be fairly continuous/straight or consist of crescent shaped cracks. Possible causes of pavement edge cracking are frost action, insufficient bearing support and/or excessive traffic loading at the edge of the pavement, poor drainage along the road edge/shoulder, pavement edge line painted in the wrong place, allowing traffic to travel on the edge of the pavement/shoulder. Figure 11 below is an example of ID ORRD-0135 (Jane Street between Woodchoppers Lane and Edward Avenue) where slight, frequent pavement edge cracking was detected.

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Figure 11: Pavement Edge Cracking Example



**Distress 11: Pavement Edge Cracking (Alligator)** 

Pavement edge alligator cracking can be defined as a network of polygon cracks that have formed the pattern of alligator skin and are located at or near the edge of the pavement surface. Some possible causes of pavement edge alligator cracking are insufficient bearing support and/or poor base drainage and stiff or brittle asphalt mixes at cold temperatures. Figure 12 below is an example of ID BRRD-0001 (Kettleby Road between Keele Street and Lorne Avenue) where severe, extensive pavement edge alligator cracking was detected.

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Figure 12: Pavement Edge Alligator Cracking Example



Distress 12: Transverse Cracking (Half, Full or Single/Multiple)

Transverse cracking can be defined as cracks that follow a course or path approximately at right angles to the pavement centreline and are often regularly spaced along the length of the road. Possible causes of transverse cracks ate natural shrinkage caused by low temperatures, frost action, and/or low temperature susceptibility of asphalt cement in asphalt mixes. Figure 13 below is an example of ID ORRD-0055 (17<sup>th</sup> Sideroad between 12<sup>th</sup> Concession and Caledon King Townline South) where moderate, throughout transverse cracking was detected.

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Figure 13: Transverse Cracking Example



**Distress 13: Transverse Cracking (Alligator)** 

Transverse alligator cracking can be defined as a network of polygon cracks that have formed the pattern of alligator skin and are located at right angles to the roadway centreline. Some possible causes of pavement edge alligator cracking are insufficient bearing support and/or poor base drainage and stiff or brittle asphalt mixes at cold temperatures. Figure 14 below is an example of ID ORRD-0165.1 (12<sup>th</sup> Concession between Caledon King Townline and 120 m North of Caledon King Townline) where moderate, few transverse alligator cracking was detected.

Figure 14: Transverse Alligator Cracking Example



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#### **Distress 14: Longitudinal Meander or Mid-Lane Cracking**

Longitudinal meander or mid-lane cracking can be defined as cracking that is usually quite long in length and wanders from edge to edge of the pavement or a crack that is usually straight and parallel to the centreline of the road. Possible causes of longitudinal meander or mid-lane cracking are frost action (greater heave at the centreline than at the edges), poor construction practices and/or faulty construction equipment resulting in a weak plane that fails due to thermal shrinkage. Figure 15 below is an example of ID ORRD-0124 (Graham Sideroad between Bathurst Street and Pumphouse Road) where moderate, intermittent mid-lane cracking was detected.

Figure 15: Mid-Lane Cracking Example



**Distress 15: Potholing and Patching** 

Potholing and patching can be defined as a section of a road segment that has had potholes occur and are currently there or have been patched. Potholes are voids in the roadway surface where pieces of the pavement have become dislodged. Potholes occur when the ground water expands and contracts after the water has entered the road base. Figure 16 below is an example of ID ORRD-0234 (Bathurst Street between Queensville Sideroad West and Hochreiter Road) where moderate, intermittent potholing and patching was detected.

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Figure 16: Potholing and Patching Example



#### **Completed Hardtop Road Evaluation Page**

For the completion of the field collection of the condition data, the severity and density of each distress is assigned on the "Flexible Pavement Condition Evaluation Form" developed by the Ministry of Transportation. Below in Figure 17 is an example of a completed evaluation from for ID ORRD-0105 (19<sup>th</sup> Sideroad between Hodgson Avenue and Hodgson Avenue) which currently yields a PCI of 54 (poor condition) and warrants a rehabilitation improvement.

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Figure 17: Completed Hardtop Evaluation Form

# Survey Date: 2022 - 06 - 24 Section ID: ORRD - 0105 Road (Street) Name: 19<sup>th</sup> Sideroud Section Length 0.489 km Location from: Mokson Avenue to: Mokson Avenue

HARDTOP PAVEMENT CONDITION EVALUATION FORM

			Com		Rating eed)												
10	9 8	7	6	5	4	3 2	1	Severity of Distress (Si)					Density of Distress (Di)				
Sood Good				Poor	Very Poor	Very Slight	Slight	Moderate	Severe	Very Severe	Few	Intermittent	Frequent	Extensive	Throughout		
	1.				1		*						<10	10-	20- 40	40- 80	>80
	- 1	Pave	ment				Wi	0.25	0.5	1	1.5	2	0.25	0.5	1	1.5	2
Sur	face		Ravell		oss of egate	1	1.5			X					X		
27,777		Flushing		2	0.5												
			Ripplin	ng and		3	1.0										
	face ormations		Wheel Track Rutting		9 4	3.0			X					X			
-	Omitations		Distortion			5	3.0		X					×			
Longitudinal		al	Single and Multiple		6	1.0			×					×			
	Wheel Track		Alligati	or		7	3.0			X						X	
1			Single and Multiple Alligator		8	0.5											
Centreline					9	2.0											
Cracking	Pavement		Single and Multiple		10	0.5		X				X					
Š	Edge		Alligator		11	1.5											
	COMMENSOR AD TO SECURITY AND ANY	Transverse		CONTROL OF THE PROPERTY OF THE		ie 12	1.0			X				X			
	Transverse					13	3.0										
	Longitudin	al – m	eande	r or mi	id-lane	14	1.0										
	Potholes/Pato		hing			15	3.0		X				X				

# 3.2 Gravel Paving Program and Management

#### 3.2.1 Desktop Review

Burnside completed a desktop review of the background information provided by the Township to facilitate the field work and project setup prior to any field collection commencing. The following tasks were part of the desktop review to initiate this project.

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The previous RNS reports (2011 Study & 2016 Study) were reviewed to determine the methodology used, tasks completed and the procedures that were used. Additionally, the previous reports were reviewed to determine how roads were identified (i.e., unique identifier for that study, Municipal ID, Road Name, etc.).

The 2020 Paving Strategy was reviewed to become familiar with the recommendations of the previous report and the 10-year capital improvement plan. The review of the 2020 study also allowed Burnside to become familiar with the Township's approach to road improvements and their progress over the previous two years.

The Township's 2020 Transportation Master Plan (TMP) was reviewed to determine the annual growth rate that is projected for the Township's roads.

Review of the Technical Memorandum (Draft) that was completed in 2019 to summarize the results of a Gravel Road Improvement Study (2019 Gravel Study) that was completed for the Township. The 2019 Gravel Study provided an assessment of the costs to improve and resurface the Township's gravel roads.

Historical traffic volumes (AADTs) were reviewed to determine any areas of the Township's road network that was missing and would need attention (i.e., traffic volume forecasting/estimating or data collection). Based on the review of the 2020 TMP, a growth rate of 2.1% per annum (i.e., annual traffic growth) was determined.

The Township's Official Plan was also reviewed to determine the road classification descriptions as they apply to King, as well as to determine the existing road classification for each road segment within the Township.

Setup of a GIS linked field collection application that can be used on a tablet or phone using Arc GIS products (Survey 123, Field Maps, etc.). As part of this task, a GIS database for this study was created and the Township's road network was imported to determine what data was missing. This GIS application was created to link the data being collected in the field to the GIS database.

Review of relevant, and current road improvement cost data/information for Ontario was completed to determine unit costs for the components of the various types of improvements proposed in this study. This unit cost data was then used during detailed analysis of the proposed improvement types to determine a cost per m² for each improvement (i.e., cost per m² to pave/convert a gravel road to an asphalt road).

#### 3.2.2 Visual Condition Survey

A visual assessment of the Township's gravel road network took place in April 2022, to determine the condition rating of the road surface. Specific pavement distress ratings (i.e., Severity and Density) were assigned for 6 different distress types for gravel road

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sections, based generally on the "Gravel Condition Evaluation Form" developed by the Ministry of Transportation.

The severity of a distress can be simply defined as how bad the distress is (i.e., slight cracking). The Severity of a distress is based on a scale of engineering judgement from previous experience and contains five levels. The five levels of severity are; Very Slight, Slight, Moderate, Severe and Very Severe.

The density of the distress is also assigned which can be defined as the extent of the issues (i.e., how frequent the distress is present on the road). Like the severity, density is also based on engineering judgement from past experience and contains five levels. The five levels of density are; Few, Intermittent, Frequent, Extensive and Throughout.

As mentioned above, the review of hardtop roads requires 6 different distress types to be assigned to the road segment. The 6 distress types for hardtop roads consist of the following.

#### **Distress 1: Soft Spots**

Soft spots occurring along a gravel road can be defined as areas of the road surface and/or subgrade that have been made weak due to poor drainage of the road surface and the road base. Figure 18 below is an example of ID ORRD-0144 (Elmpine Trail between Mill Road and West end) where moderate, few soft spots were detected.





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#### **Distress 2: Spring Breakup**

Spring breakup can be defined as extremely soft or muddy road surface conditions as a result of melting snow/ice and frost. Spring breakup is likely to occur in March and April but is subject to the winter conditions/thawing timeframe. Figure 19 below is an example of ID ORRD-0134 (Spruce Hill Road between 300m East of Jane Street and East end) where moderate, few spring breakup was detected.

Figure 19: Spring Breakup Example



**Distress 3: Potholing** 

Potholing can be defined as small depressions or voids in the road surface which are caused by excessive moisture content, poor drainage and/or poorly graded aggregate. Figure 20 below is an example of 12<sup>th</sup> Concession where severe, frequent potholes were detected.

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Figure 20: Potholing Example



**Distress 4: Washboarding** 

Washboarding can be defined as a series of ridges and/or depressions across the road surface that are caused by lack of surface cohesion. The lack of surface cohesion can be a result of loss of fines in the road surface which usually result in very dry conditions within the road surface. Figure 21 below is an example of washboarding on a gravel road. This distress was not picked up severe enough in King Township for it to be clear/visible in photos, therefore this example photo will provide better context as to what washboarding is.

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Figure 21: Washboarding Example (Photo from King Not Available)



**Distress 5: Distortion** 

Distortion is a surface deformation and can be defined as any deviation of the road surface from its original shape. Usually distortions result from settlement, slope failure or volumes changes due to moisture change. Some of the possible causes of distortion include, Lack of subgrade support, roadside embankment slope failure, improper maintenance or culvert failures. Figure 22 below is an example of ID ORRD-0200 (Lipchey Road between Keele Street and East end) where slight, intermittent distortion was detected.

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Figure 22: Distortion Example



# **Distress 6: Rutting**

Rutting is a surface deformation that can be defined as longitudinal depressions in the form of a single or double wheel in the wheel path of a lane. Wheel track rutting is a result of deformation due to frequent load combined with surface material displacement. Some causes of wheel track rutting include poorly compacted road base material, unstable granular base or unstable shoulder material. Figure 23 below is an example of ID ORRD-0200 (Lipchey Road between Keele Street and East end) where severe, intermittent rutting was detected.

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Figure 23: Rutting Example



# **Completed Gravel Road Evaluation Page**

For the completion of the field collection of the condition data, the severity and density of each distress is assigned on the "Gravel Condition Evaluation Form" developed by the Ministry of Transportation. Below in Figure 24 is an example of a completed evaluation from for ID ORRD-0239 (18<sup>th</sup> Sideroad from Jane Street to west end) which is currently scheduled to be upgraded to an asphalt surface in Year 1 of the 10-year plan (2023).

**GRAVEL CONDITION EVALUATION FORM** 

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Figure 24: Completed Gravel Evaluation Form

#### Survey Date: Section ID: 2022-04-13 Road (Street) Name Section Length Location from: Comments: Severe rutting. To be upgraded from Ride Comfort Rating (at posted speed) Severity of Distress (Si) 10 5 Density of Distress (Di) Severe Very Good Very Slight Throughout Poor Good Very Very Few 20-10-40 <10 >80 Pavement Rating Structural 17 Adequacy (1-20) Soft Spots Spring Breakup X Potholes Washboarding Distortion Rutting Drainage 15 Adequacy (1-15)

# 4.0 Analysis

# 4.1 Hardtop Surface Program and Pavement Management

### 4.1.1 Pavement Condition Index

Based on the distress types determined during the condition survey and using the Ministry of Transportation (MTO) formulae, the condition rating is based on a visual review of the severity, extent (density) and weighting of various distress types, as well as a Ride Comfort Rating, which reflects the rideability of the surface. A Distress Manifestation Index (DMI) is calculated, using MTO formulae, from the visual distress data collected in the field. The condition rating methodology follows the procedures developed by the MTO for flexible pavements and surface-treated pavements (MTO, 1989).

The calculation of the PCI follows the methods outlined by the MTO for such calculations (MTO, 2007). A PCI has been calculated for each road section according to the following formulae:

**Asphalt**: PCI =  $13.75 + (9 \times DMI) - (7.5 \times e^{(8.5-RCR)/3.02})$ 

**Surface Treatment**: PCI =  $12.75 + (9 \times DMI) - (5.5 \times e^{(9.94-RCR)/3.46})$ 

#### Where:

• DMI = Distress Manifestation Index, which is a systematic method of classifying and assessing the visible consequences of various surface distress mechanisms. The DMI classifies distress manifestations into various categories which are given a weighting factor (W), and which are classified according to their severity (S) and density (D). A summary of the factors considered is included in Appendix C. The total DMI is obtained by summation of the distress manifestations for the relevant factors and the following formulae:

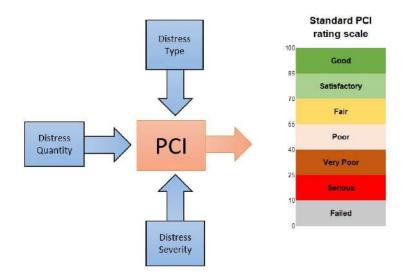
Asphalt: DMI =  $10 \times (208 - \text{summation of W} \times (D+S))/208$ 

**Surface Treatment**: DMI =  $10 \times (135 - \text{summation of W} \times (D+S))/135$ 

 RCR = Ride Comfort Rating, which is a subjective ride quality assessment as perceived by the traveling public and which has been determined by the field assessment of the roads.

The qualitative description of the various PCI ranges is shown in Figure 25.

Figure 25: Qualitative Description of PCI Ranges



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Based on the above methodology/procedure, the updated PCI for each road segment is illustrated on a map in Appendix D and shown in the excel spreadsheets in Appendix A.

There are 22 hardtop roads in the township with poor condition Ratings (PCI<55), which currently require significant rehabilitation or full reconstruction. If sufficient budget is available to replace these roads, then these roads should be completed as soon as feasible as the roads currently sit in a state of disrepair that is not favoured by the level of service that should be provided. These roads (like the others) are subject to ongoing deterioration and will continue to degrade passed the state they are currently in. Table 3 below summarizes the 22 roads that have a poor condition rating and should be replace as soon as feasible.

Table 3: Hardtop Roads with Poor Condition Ratings (PCI<55)

Municipal ID	Road Segment	Surface Type	AADT (vpd)	PCI	Improvement Cost
KRRD-0032	McKellar Lane, from Kingscross Drive to End (Cul-de-Sac)	НСВ	0-49	36	\$102,744.00
KRRD-0105	Kingsworth Road, from Westgate Circle to Blueberry Lane	НСВ	200-399	40	\$270,864.00
SRRD-0053	Magnum Drive, from Proctor Road to End (Cul-de-Sac)	LCB	1,000-1,999	41	\$200,925.00
ORRD-0195	Holancin Road, from Highway 9 to 2nd Concession	LCB	50-199	42	\$721,656.00
KRRD-0148	Station Road, from Burton Grove to West Street	HCB	1,000-1,999	44	\$64,440.00
ORRD-0236	16th Sideroad, from Highway 400 Overpass to Weston Road	НСВ	1,000-1,999	47	\$504,525.00
KRRD-0005	Manitou Drive, from Kingscross Drive to Fork	HCB	50-199	47	\$299,088.00
KRRD-0073	Westgate Boulevard, from Jane Street to Westgate Circle	HCB	200-399	48	\$112,320.00
ORRD-0128	Strawberry Lane, from Keele Street to Aileen Avenue	НСВ	400-999	49	\$570,899.00
KRRD-0093	Chelsea Lane, from Fork to End (West Cul-de-Sac)	HCB	0-49	50	\$140,832.00
ORRD-0025	16th Sideroad, from 8th Concession to Trainor Court	HCB	400-999	51	\$415,961.00
KRRD-0043	Westgate Circle, from Kingsworth Road to Westgate Boulevard	НСВ	400-999	51	\$6,272.00
KRRD-0031	Blueberry Lane, from Kingsworth Road to End (Cul-de-Sac)	HCB	50-199	52	\$122,976.00
KRRD-0047	Chelsea Lane, from Kingscross Drive to Fork	HCB	0-49	52	\$66,600.00
ORRD-0098	Hilda Road, from Diana Drive to End (Cul-de-Sac)	НСВ	50-199	52	\$164,016.00
ORRD-0178	16th Sideroad, from Trainor Court to Highway 27	НСВ	400-999	53	\$236,670.00
KRRD-0060	Keri Court, from Kingscross Drive to End (Cul-de-Sac)	НСВ	0-49	53	\$49,220.00

Municipal ID	Road Segment	Surface Type	AADT (vpd)	PCI	Improvement Cost
BRRD-0001	Kettleby Road, from Keele Street to Lorne Avenue	HCB	1,000-1,999	53	\$461,531.00
ORRD-0105	19th Sideroad, from Hodgson Avenue to Hodgson Avenue	LCB	400-999	54	\$127,764.00
ORRD-0065	Rupke Road, from Highway 9 to End (Canal)	LCB	200-399	54	\$127,788.00
KRRD-0059	Chelsea Lane, from Fork to End (East Cul-de-Sac)	HCB	50-199	55	\$120,096.00
KRRD-0077	Kingsworth Road, from Blueberry Lane to Watch Hill Road	HCB	200-399	55	\$137,816.00
	\$5,025,003.00				

# 4.1.2 Surface Type Needs

The surface type of a roadway should be appropriately designed to accommodate the volume and type of traffic. According to the MTO guidelines (*Inventory Manual for Municipal Roads, Ministry of Transportation*, 1991), upgrading of surface treated roads to asphalt may be considered for roads experiencing high truck volumes or high truck loading, AADT values higher than 400 vpd or where high maintenance is an issue. For low volume rural roads, it is suggested that surface upgrading may be economical where the percentage of trucks exceed 10% of the AADT and is over 30 trucks per day.

Gravel roads are typically suitable for low truck traffic and AADT values of less than 200vpd. Typically, surface treated roads are recommended for roadways that have an AADT between 200 and 400 vpd, with asphalt recommended for roads with AADTs higher than 400 vpd.

Truck volumes typically range from a low of 3% on low volume residential streets to a high of 15% or more on arterials and collector roads. Information on truck volumes on the Township's roads was not available for this current study.

Based on the above surface type considerations, a review of the data in Appendix A indicates that there are several roads in the Township that presently meet these surface type criteria, as summarized in Table 4.

**Table 4: Existing Surface Treated Roads That May Warrant Upgrading** 

Road	Road Length (m)	AADT (vpd)	Rationale for Upgrade
LCB with AADT > 1,000 vpd	-	I.	
11th Concession, from 16th Sideroad to	2012	1534	Traffic Volume
17th Sideroad			
17th Sideroad, from Highway 27 to	2053	3000	Traffic Volume
10 <sup>th</sup> Concession			

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Road	Road	AADT	Rationale for
Koau	Length (m)	(vpd)	Upgrade
17th Sideroad, from 10th Concession to	1441	2898	Traffic Volume
1.4 km W. of 10th Concession			
17th Sideroad, from 1.4 km W. of 10 <sup>th</sup>	839	2898	Traffic Volume
Concession to 11th Concession			
17th Sideroad, from 11th Concession to	2090	2743	Traffic Volume
12th Concession			
Magnum Drive, from Proctor Road to End	367	1092	Traffic Volume
(Cul-de-Sac)			
8th Concession, from 15th Sideroad to	2054	1010	Traffic Volume
16th Sideroad			

Where budgets allow, it is recommended that surface types be upgraded to meet the minimum desirable levels of service for surface types. However, where budget is the limiting factor, surface type standards may be reduced to tolerable standards, assuming that the road base has been properly designed and constructed and appropriate maintenance is applied. Where this lower standard surface type is used, a corresponding reduction in useful life is likely. In some areas, other constraints (e.g., ROW widths, horizontal or vertical curve deficiencies, etc.) may preclude the upgrading of such road sections without first addressing those factors.

#### 4.1.3 Road Widths

The existing widths for the roads in the network are shown in the inventory in Appendix A. The surface widths shown represent the hard top width (excluding shoulders) for hard top roads. Recommended lane widths generally vary with traffic volume and traffic speed for higher volume roads, and according to the type of use for lower volume roads.

Minimum tolerable and recommended minimum road widths for hard-top roads have been assessed according to criteria outlined in the Geometric Design Guide for Canadian Roads (Transportation Association of Canada [TAC], June 2017). The surface (i.e., through lane) width requirements for hard-top roads are outlined below in Table 5.

Table 5: Tolerable and Recommended Surface Widths for Hardtop Roads (Based on Criteria in TAC)

	Design	Road Surface Width (Two-Lane Roadways)						
Roadside Environment	Speed (km/h)	Tolerable Lower Limit	Recommended Lower Limit	Recommended Upper Limit	Tolerable Upper Limit			
Rural or	60 or less	5.4 m	6.0 m	7.4 m	8.0 m			
Semi-Urban	70 to 100	6.5 m1	7.0 m	7.4 m	8.0 m			
Urban	60 or less	5.4 m	6.0 m	7.4 m	8.0 m			

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	Doolan	Roa	d Surface Width (	Two-Lane Roadw	ays)
Roadside Environment Design Speed (km/h)		Tolerable Lower Limit	Recommended Lower Limit	Recommended Upper Limit	Tolerable Upper Limit
	70 to 100	6.0 m	6.6 m	7.4 m	8.0 m

Note: 1. For rural or semi-urban roadways with a design speed of 70 to 100 km/h, a minimum tolerable surface width of 3.25 m per lane was applied, which is consistent with minimum width criteria for secondary highways with an AADT less than 1,000 vpd outlined in the *Geometric Design Standards for Ontario Highways* (Ministry of Transportation Ontario, 1989).

The hardtop roads in the Township, that have been identified to have widths that currently do not meet the recommended lower width limit, are summarized in Table 6.

**Table 6: Summary of Hardtop Roads with Deficient Widths** 

Road	Road Length (m)	Posted Speed (km/h)	AADT (vpd)	Width (m)
Spring Street, from Weston Road to End (West)	65	50	26	3.5
Lorne Avenue, from Kettleby Road to 165 m N. of	167	40	94	4.0
Kettleby Road				
Laskay Lane, from Weston Road to End (East)	147	50	26	4.2
Old Church Road, from Weston Road to End	194	50	26	4.5
(East)				
Rebellion Way, from Queen Street to End (North)	102	50	22	4.5
Victoria Street, from Queen Street to End East	133	50	81	4.5
16th Sideroad, from Bathurst Street to End	753	40	25	5.0
(West)				
19th Sideroad, from Hodgson Avenue to Weston	167	50	244	5.0
Road				
Queen Street, from Rebellion Way to 10th	247	50	231	5.0
Concession				
Centre Street, from Rebellion Way to End (West)	211	50	23	5.0
Edwards Mill Lane, from Church Street to End	54	50	15	5.0
(North)				
7th Concession, from Lloyd's Lane to	376	50	126	5.1
19th Sideroad				
7th Concession, from Lloydtown/Aurora Road to	1023	50	727	5.1
Lloyd's Lane				
Dearbourne Avenue, from Keele Street to End	747	40	113	5.1
(West)				
Centre Street, from Church Street to Rebellion	351	50	53	5.2
Way				

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The roads identified in the above table are low speed roadways that are experiencing low traffic volumes. While the widths in the above noted road segments are less than ideal, these width deficiencies are not considered critical in the short term. It is recommended that the widths on these roads be increased to meet recommended standards as part of any future improvement works.

## 4.1.4 Road Safety Review

During the field inspection, it was observed that two intersections along 8<sup>th</sup> Concession currently may have deficient sightlines. The intersection of 15<sup>th</sup> Sideroad and 8<sup>th</sup> Concession, as well as the intersection of 17<sup>th</sup> Sideroad and 8<sup>th</sup> Concession were determined to have possible sightline obstructions resulting in safety concerns. It is recommended the Township should complete a detailed sightline analysis study for both intersections.

## 4.1.5 Improvement Types

The different improvement types that are proposed in this study are listed below. These improvement types cover the full lifecycle of the road assets and require the Township to keep up with the road maintenance to prevent leaving the roads until they slip into a more extensive category like Rehabilitation or Reconstruction.

### **Routine Maintenance (RM):**

Routine maintenance for hardtop roads consists of crack sealing. Routine maintenance (i.e., crack sealing) decreases further crack deterioration by preventing moisture damage to the pavement structure and it often adds approximately 3 to 5 years to the lifespan of a roadway. Routine maintenance can help delay the need for more extensive rehabilitation or reconstruction and Routine/preventive maintenance is typically done when a road is in good condition but is starting to show slight deficiencies.

#### **Preventive Maintenance (PM):**

Preventive maintenance for hardtop roads consists of the application of slurry seal or micro surfacing. Preventive Maintenance can help to delay the need for more extensive rehabilitation or reconstruction. Preventive maintenance is typically done when a road is in good condition but is starting to show slight deficiencies. Micro-surfacing or slurry seal can prevent water from infiltrating through cracks to the road base, which ultimately helps prevent further deterioration of the road base and increases the length of time before more extensive treatments are required.

# Resurfacing (R):

For urban roads or semi urban/rural roads with higher traffic volumes, this study proposes that the resurfacing improvement consist of milling and paving (shave and

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pave). For semi urban/rural roads that experience low traffic volumes, the resurfacing improvement proposed in this study is full depth removal + 1 (50 mm) lift of hot mix asphalt (HMA). During the planning process, it should be determined if the low-speed semi urban/rural roads that are being planned currently have one or two lifts of asphalt. If it is determined that the low-speed semi urban/rural roads have more than one lift of asphalt, milling and paving may be chosen as this is a cheaper alternative than removing all the existing asphalt.

For this study, the resurfacing category has been split into two subcategories,6 to 10 years and 1 to 5 years. This timeline is to indicate how long the Township has before significant rehabilitation is required (i.e., sufficient budget is not available). To represent this difference in the costing shown in the improvement matrix, the resurface 1 to 5 year indicates full depth removal as the pavement distresses have most likely made it through to the road base. It should be noted that this more expensive resurfacing does not include all actions that would be taken under rehabilitation, therefore repairing the road while it still warrants this category will allow the Township to save money.

Resurfacing treatments are typically done when a road is in fair condition. Given that the road is in fair condition, resurfacing treatments generally consist of replacing the surface of roadways, but minimal (if any) work is done to the base of the road, aside from patching where required. Resurfacing treatments mentioned in this RNS are not to be confused with micro-surfacing treatments, which are considered a form of preventative maintenance, which is applied to roads still in good condition with only very minor amounts of cracking.

#### Rehabilitation (REH):

For urban roads, rehabilitation consists of full depth removal + 2 (50 mm) lifts of HMA and spot curb replacements. For semi urban or rural roads, rehabilitation consists of pulverizing the existing surface and spreading a thin lift of granular A over the pulverized base to add stability to the road base and then installing 2 (50 mm) lifts of HMA.

More extensive rehabilitation treatments are applied to pavements in poor condition which have deteriorated to a point where full depth replacement of the pavement surface is required to protect the integrity of the underlying granular base and to delay more extensive reconstruction being required. Pavement rehabilitation extends the service life of a pavement and its load carrying capacity by enhancing its pavement structure. This is achieved by eliminating the age-related deterioration of the pavement or increasing the thickness of pavement layers to address increases in traffic volume.

### Reconstruction (REC):

For urban roads, reconstruction consists of full depth removal, full depth base replacement (dig out and replace) + 2 (50 mm) lifts of HMA and full curb replacement.

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For semi urban/rural roads, reconstruction consists of full depth removal, full depth base replacement (dig out and replace) + 2 (50 mm) lifts of HMA and nominal shoulder/ditch repairs.

Reconstructions are typically done when a road is in very poor condition, or if work is being done on infrastructure beneath a road which will require that the road be reconstructed. If pavements are left to deteriorate, they become weak and lose their structural integrity. As its structural capacity is weakened, a pavement will begin to disintegrate, resulting in extensive cracking, rutting and potholes being developed. At this point, maintenance, resurfacing, or rehabilitation treatments will not be able to restore its structural integrity. Once a minimum condition level is reached, the pavement and road base may require full reconstruction to reestablish the proper base support for the pavement. Applying a lesser rehabilitation treatment may result in premature failure of any newly applied pavement surface. Once the pavement degrades below a minimum recommended condition, ongoing maintenance (e.g., filling of potholes) will typically increase significantly and/or safety or user complaints may become a concern. Reconstruction is also required when the pavement needs to be improved, to cater to significant increases in projected traffic volumes or to accommodate road widening.

# **Determining Improvement Needs:**

To determine the improvement types that are warranted for certain road sections, the PCI values collected in the field were assigned to the distress trigger value ranges set for different improvement types. The trigger value ranges set for each improvement type are summarized in Table 7 along with estimated benchmark treatment costs. In addition, the forecasted improvement effects resulting from the various life cycle treatments are shown in Table 7 (i.e., the net benefit to the PCI values after a certain improvement type is implemented). The net benefit that is presented as a result of implementing a given improvement type is to represent that maintaining the condition of roads and performing routine and preventive maintenance will lengthen the lifecycle of a road segment (i.e., performing crack sealing with help extend the useful life of a road segment).

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**Table 7: Hardtop Road Improvement Matrix** 

	Urban – Hard Top (HCB)  Semi-Urban or Rural – Hard Top (HCB/LCB)				(HCB/LCB)			
Improvement	Post-Treatment Condition	Any AADT	Distress-Triggers	Post-Treatment Condition	AADT>=1000	1000>AADT>=400	AADT<400	Distress-Triggers
Routine Maintenance (RM)	PCI + 5	Crack Sealing (\$0.75 per m <sup>2</sup> )	95>PCI>=90	PCI + 5	HCB – Crack Sealing ( LCB – N/A (Responsiv	·		95>PCI>=90
Preventive Maintenance (PM)	PCI +10	Micro Surfacing and Minor Patching (\$6 per m²)	90>PCI>=80	PCI + 10	Micro-Surfacing (\$6 per m²)	Slurry Seal (\$4 per m2	)	90>PCI>=80
Resurface 6 to 10 Year (R, 6-10)	PCI + 15	Mill + 1 HMA (50 mm)	80>PCI>=70	PCI + 15	Mill + 1 HMA (50 mm) Overlay + Patching + Nominal Shoulder Repair (\$23 per m²)	Mill + 1 HMA (50 mm) Overlay + Patching (\$22 per m2)	Full Depth Removal + 1 HMA (50 mm) + Patching (\$24 per m²) (If asphalt thickness allows for milling \$20 per m²)	80>PCI>=70
Resurface 1 to 5 Year (R, 1-5)	PCI + 20	Full Depth Removal + 2 HMA (50 mm each) (\$40 per m²)	70>PCI>=60	PCI + 20	Pulverize + 2 HMA (50 mm each) + Nominal Shoulder Repair (\$39 per m²)	Pulverize + 2 HMA (50 mm each) + Nominal Shoulder Repair (\$39 per m <sup>2</sup> )	Pulverize + 2 HMA (50 mm each) + Nominal Shoulder Repair (\$39 per m <sup>2</sup> )	70>PCI>=60
Rehabilitation (REH)	PCI + 40	Full Depth Removal + 2 HMA (50 mm each) + Spot Curb Replacement (\$45 per m²)	60>PCI>=40	PCI + 40	Pulverize + Granular A + 2 HMA (50 mm each) + Nominal Shoulder Repair (\$49 per m²)	Pulverize + Granular A + 2 HMA (50 mm each) + Nominal Shoulder Repair (\$49 per m²)	Pulverize + Granular A + 2 HMA (50mm each) {\$46 per m2)	PCI<40
Reconstruction (REC)	PCI = 100	Full Depth Removal + 2 HMA (50mm each) + Total Base and Replacement + Total Curb Replacement + Nominal Storm Sewer Adjustment (\$95 per m²)	PCI<40	PCI = 100	Full Depth Removal + 2 HMA (50 mm each) + Total Base Replacement + Nominal Shoulder/Ditch Repair (\$75 per m²)	Full Depth Removal + 2 HMA (50 mm each) + Total Base Replacement + Nominal Shoulder/Ditch Repair (\$75 per m²)	Full Depth Removal + 2 HMA (50 mm each) + Total Base Replacement + Nominal Shoulder/Ditch Repair (\$72 per m²)	PCI<40

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# 4.1.6 Improvement Costs

The general improvement benchmark unit costs (costs per square metre) are for budget planning purposes and have been based on recent costing experience for the applicable recommended improvement standard. Improvement projects are generally completed through a combination of day labour and equipment rental, where required, or through contract work. While these unit costs are considered sufficient for planning purposes, actual costs may vary according to the following factors:

- Site-specific requirements/constraints.
- Fluctuations in input costs (such as the price of oil).
- Budget constraints requiring consideration of lesser standards (such as maintaining vertical profiles to tolerable conditions, rather than design standards, or reducing overall improvements).

It is recommended that standards be reviewed on a project specific basis as budgets are established.

Benchmark improvement costs (per square metre) are outlined in Table 7 above as well as in the unit cost breakdowns in Appendix F and are based on recent data provided from the Township. The improvement types/costs consider surface types, traffic volumes, road conditions and roadside environments. Given that the improvement benchmark costs are estimated on a square metre basis, the improvement costs for any particular road section will also capture individual road widths.

### 4.1.7 Improvement Prioritization

For the prioritization of improvements proposed in this study, the MTO prioritization methodology was used. The MTO has developed a Priority Rating (PR) formula (in the *Inventory Manual for Municipal Roads*, 1991) that can be used to prioritize road improvements based on condition ratings, improvement costs, and traffic volumes.

The Priority Rating formula used for the improvement prioritization in this RNS is as follows:

$$PR = 0.2 (100 - CR) \times (AADT + 40)^{1/4}$$

The higher the PR value, the higher the priority of the road section improvement relative to its condition and the traffic it is serving. This MTO formula will help prioritize improvements that are priority driven by road conditions and high traffic volumes.

In addition to condition related prioritization formulas, the road improvement needs can be prioritized based on non-condition related triggers such as drainage, road width, platform width, surface type, local input from Township staff, maintenance demand, etc.

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If a road is determined to have a road width and/or platform width that is less than ideal, then that road should be reviewed to determine if the current width is suitable for the current surface type and can wait for widening treatment until upgrade, or if it should be widened as soon as possible (i.e., a current surface treated road has a road width that is less than the recommended minimum for surface treated roads but given the site specific geometrics and traffic, the road width can continue to remain as is but will need to be widened prior to the road being upgraded to an asphalt surface).

# 4.1.8 Road Budget Consideration

Based on the 2022 and the 2023 Budget and Business Plan, the Township has allocated \$1.72 million per annum for hardtop Roads and Related Infrastructure improvement. The Township does not currently have a separate budget established for routine/preventive maintenance efforts.

As part of the recommendations of this study, it is recommended that the Township establish this routine/preventive maintenance budget to help maintain their roads at a higher level of service and prevent them from slipping into a more extensive improvement category. Typical crack sealing budgets in Ontario account for approximately \$180 per centre line kilometer of road. Based on \$180 per centreline km of road, a target crack sealing budget for King Township would be \$41,000 per year.

### 4.1.9 Hardtop Road Improvement Needs

Based on the analysis of the road condition data and review of the prioritization triggers previously outlined in the report for the Township's hardtop roads, a 10-year road improvement plan has been developed. The 10-year plans in the following three sections have been established using the MTO prioritization methodology outlined in this report, as well as the budget targets that have been established using the current operational budget.

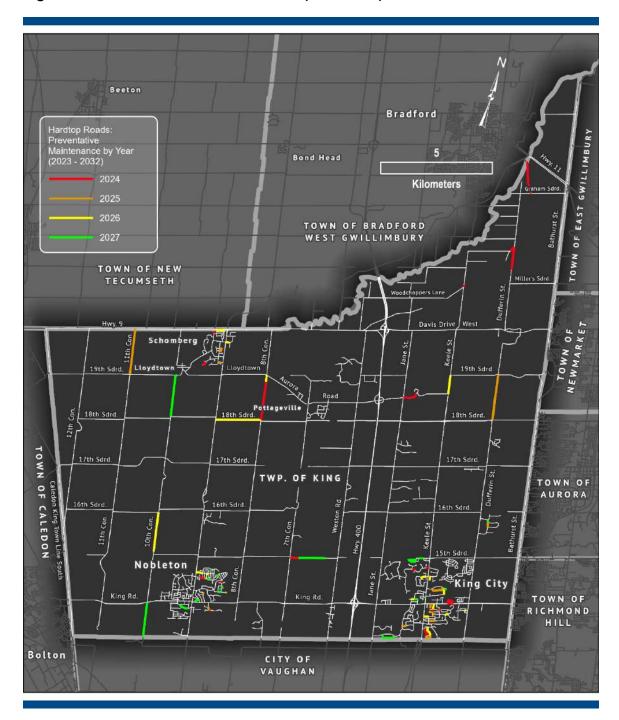
A total of approximately 270.208 km of hardtop roads were reviewed as part of this study. Based on the priority rating number, traffic volumes, condition, and geographic location the improvement of hard top roads was prioritized based on the previously outlined budget target of \$1.72 million. Degradation curves for LCB/HCB roads were used to estimate a deterioration rate for each roadway based on its current improvement category. The deterioration rate was then used to determine the estimated PCI and improvement cost at the time of upgrade. The early years of the 10-year plan were utilized to improve any road segments that are in poor condition based on the surrounding land use. For example, any roads with a PCI of <40, or any rural highspeed roads with a PCI of <50 were prioritized in the early years to prevent these roads from requiring a more extensive improvement type. A full spreadsheet version of the 10-year plans, along with an enlarged map can be found in Appendix H.

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# 4.1.9.1 Preventive Maintenance Plan

As part of this road study, Burnside completed analysis to determine a list of roads within the Township that should receive crack sealing in the next three years if sufficient budget is available. The recommended preventive maintenance plan considers all hardtop roads with a PCI between 90 to 95 which would warrant crack sealing. The implementation of the crack sealing has been prioritized based on the PR which accounts for traffic and condition of each road. Table 8 and Figure 26 outline the roads that have been proposed for routine and/or preventive maintenance.

Figure 26: Preventive Maintenance Plan (2024-2027)



**Table 8: Preventive Maintenance Plan (2024-2027)** 

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
2024					
SRRD-0041	Main Street from Ben Boy Avenue to Greco Ridge Lane	92	141	Crack Sealing (Routine Maintenance)	\$1,058.00
ORRD-0031	Pumphouse Road from Graham Sideroad to End	91	1438	Crack Sealing (Routine Maintenance)	\$7,010.00
ORRD-0185	8th Concession from 18th Sideroad to 1.7 km N. of 18 <sup>th</sup> Sideroad	90	1705	Crack Sealing (Routine Maintenance)	\$7,800.00
SRRD-0060	Roselena Drive from Quaker House Lane to End	90	225	Crack Sealing (Routine Maintenance)	\$1,434.00
BRRD-0002	Kettleby Road from Lorne Avenue to Jane Street	91	693	Crack Sealing (Routine Maintenance)	\$3,378.00
KRRD-0022	Kingscross Drive from Carmichael Crescent to McKellar Lane	91	136	Crack Sealing (Routine Maintenance)	\$683.00
KRRD-0054	Warren Road from Cadden Court to Alex Campbell Crescent	92	69	Crack Sealing (Routine Maintenance)	\$424.00
ORRD-0086	Keele Street from Woodchoppers Lane to 110 m N. of Woodchoppers Lane	91	107	Crack Sealing (Routine Maintenance)	\$642.00
ORRD-0266	Dufferin Street from 630 m N. of Miller's Sideroad to King Street	92	995	Crack Sealing (Routine Maintenance)	\$5,149.00
KRRD-0099	Kingscross Drive from Keri Court to Chelsea Lane	92	172	Crack Sealing (Routine Maintenance)	\$864.00
ORRD-0272	15th Sideroad from 1.8 km E. of Weston Road to 7th Concession	90	382	Crack Sealing (Routine Maintenance)	\$2,063.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
ARRD-0005	King Street from	92	234	Crack Sealing	\$1,071.00
	Dufferin Street to King			(Routine	
	Street Fork			Maintenance)	
KRRD-0009	Patton Street from	93	104	Crack Sealing	\$624.00
	Hollingsworth Drive to			(Routine	
	Kingslynn Drive			Maintenance)	
KRRD-0037	Bennet Drive from	90	90	Crack Sealing	\$473.00
	Banner Lane to Forde			(Routine	
	Crescent			Maintenance)	
KRRD-0083	Chuck Ormsby	91	327	Crack Sealing	\$2,085.00
	Crescent from Richard			(Routine	
	Serra Court to Ron			Maintenance)	
	Coles Lane				
KRRD-0108	Alex Campbell	92	447	Crack Sealing	\$2,682.00
	Crescent from Alex			(Routine	
	Campbell Crescent			Maintenance)	
	(Loop) to King Road				
KRRD-0129	Alex Campbell	92	190	Crack Sealing	\$1,140.00
	Crescent from King			(Routine	
	Road to Alex			Maintenance)	
	Campbell Crescent				
	(Loop)				
NRRD-0113	Skyline Trail from Bluff	91	104	Crack Sealing	\$624.00
	Trail to Aspen King			(Routine	
	Road			Maintenance)	
NRRD-0127	Woodhill Avenue from	92	62	Crack Sealing	\$372.00
	Gilbert Fuller Drive to			(Routine	
	Hawthorne Valley			Maintenance)	
	Road				
NRRD-0177	Parkheights Trail from	92	145	Crack Sealing	\$1,196.00
	Middlehead Trail to			(Routine	
	Kettle Valley Trail			Maintenance)	
NRRD-0179	Parkheights Trail from	92	80	Crack Sealing	\$660.00
	Kettle Valley Trail to			(Routine	
	Blueberry Run Trail			Maintenance)	
2024 Total Length (km)			7.846	2024 Total	\$41,433.00
2025				Cost	
NRRD-0233	Northcott Way from	91	58	Crack Sealing	\$348.00
141(10)	New Scotland Court to			(Routine	ΨΟ 10.00
	End			Maintenance)	
	LIIG			wantenance)	

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
NRRD-0243	Wellar Avenue from Cross Avenue to 90 m N. of Cross Avenue	90	87	Crack Sealing (Routine Maintenance)	\$522.00
ORRD-0059	Fairfield Drive from Eden Vale Drive to Eden Vale Drive	91	207	Crack Sealing (Routine Maintenance)	\$1,242.00
ORRD-0227	Dufferin Street from 18th Sideroad to 19 <sup>th</sup> Sideroad	93	2062	Crack Sealing (Routine Maintenance)	\$11,135.00
SRRD-0030	Maynard Drive from Cutler Court to Moore Park Drive	92	133	Crack Sealing (Routine Maintenance)	\$848.00
SRRD-0037	Jessop Avenue from Cooper Drive to Cooper Drive	90	273	Crack Sealing (Routine Maintenance)	\$1,740.00
KRRD-0065	Carmichael Crescent from Keele Street to Curran Court	92	89	Crack Sealing (Routine Maintenance)	\$534.00
KRRD-0072	Kingslynn Drive from Patton Street to End	91	165	Crack Sealing (Routine Maintenance)	\$804.00
KRRD-0086	Patricia Drive from McBride Crescent to Elizabeth Grove	91	295	Crack Sealing (Routine Maintenance)	\$1,549.00
KRRD-0132	Chuck Ormsby Crescent from Ron Coles Lane to Ron Coles Lane	92	353	Crack Sealing (Routine Maintenance)	\$2,118.00
KRRD-0135	Findlay Avenue from Burns Boulevard to Dennis Drive	91	193	Crack Sealing (Routine Maintenance)	\$1,230.00
KRRD-0150	Fisher Street from King Road to End	91	201	Crack Sealing (Routine Maintenance)	\$1,206.00
KRRD-0179	Humber Valley Crescent from East Humber Drive to East Humber Drive	92	618	Crack Sealing (Routine Maintenance)	\$3,708.00
KRRD-0244	Warren Road from Patton Street to 120 m E. of Patton Street	93	121	Crack Sealing (Routine Maintenance)	\$662.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
NRRD-0013	Woodhill Avenue from	93	130	Crack Sealing	\$780.00
	Farmcrest Court to			(Routine	
	Gilbert Fuller Drive			Maintenance)	
NRRD-0168	Parkheights Trail from	93	67	Crack Sealing	\$553.00
	Blueberry Run Trail to			(Routine	
	Parkheights Trail			Maintenance)	
	(Traffic Circle)				
ORRD-0102	11th Concession from	94	2045	Crack Sealing	\$13,344.00
	19th Sideroad to			(Routine	
	Highway 9			Maintenance)	
2025 Total Lei	ngth (km)		7.097	2025 Total	\$42,323.00
				Cost	
2026					
ORRD-0129	18th Sideroad from	91	2037	Crack Sealing	\$9,167.00
	8th Concession to			(Routine	
	Highway 27			Maintenance)	
ORRD-	10th Concession from	91	1756	Crack Sealing	\$7,902.00
0225.2	90 m N. of			(Routine	
	15 <sup>th</sup> Sideroad to			Maintenance)	
	16th Sideroad				
ORRD-0271	8th Concession from	93	310	Crack Sealing	\$1,558.00
	1.7 km N. of			(Routine	
	18 <sup>th</sup> Sideroad to			Maintenance)	
	Lloydtown/Aurora				
	Road				
SRRD-0018	Dillane Drive from	93	180	Crack Sealing	\$1,215.00
	Sproule Street to Dr.			(Routine	
	Kay Drive			Maintenance)	
SRRD-0033	Waterlily Trail from	91	463	Crack Sealing	\$2,986.00
	Mapleton Mills Drive to			(Routine	
	Mapleton Mills Drive			Maintenance)	
NRRD-0160	Fairmont Ridge Trail	95	81	Crack Sealing	\$529.00
	from Bighorn Trail to			(Routine	
	Fairmont Ridge Trail			Maintenance)	
	(Traffic Circle)				
NRRD-0181	Fairmont Ridge Trail	95	303	Crack Sealing	\$1,932.00
	from Kettle Valley Trail			(Routine	
	to Highway 27			Maintenance)	
ORRD-0014	Keele Street from	95	831	Crack Sealing	\$3,802.00
	Kettleby Road to 19th			(Routine	
	Sideroad			Maintenance)	

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
KRRD-0026	Patton Street from	94	269	Crack Sealing	\$1,614.00
	King Road to			(Routine	
	Hollingsworth Drive			Maintenance)	
KRRD-0036	Melrose Avenue from	92	141	Crack Sealing	\$899.00
	Martin Street to			(Routine	
	Charles Street			Maintenance)	
KRRD-0090	Curran Court from	91	174	Crack Sealing	\$1,044.00
	Carmichael Crescent			(Routine	
	to End			Maintenance)	
KRRD-0096	Warren Road from	94	151	Crack Sealing	\$963.00
	Patricia Drive to			(Routine	
	Lavender Valley Road			Maintenance)	
KRRD-0111	McClure Drive from	91	59	Crack Sealing	\$376.00
	Pellatt Grove to Curtis			(Routine	
	Crescent			Maintenance)	
KRRD-0126	Nicort Road from Lilly	94	53	Crack Sealing	\$318.00
	Valley Crescent to			(Routine	
	Terry View Drive			Maintenance)	
KRRD-0134	Chuck Ormsby	93	416	Crack Sealing	\$2,496.00
	Crescent from Ron			(Routine	
	Coles Lane to Richard			Maintenance)	
	Serra Court				
KRRD-0145	Elizabeth Grove from	94	213	Crack Sealing	\$1,118.00
	Keele Street to			(Routine	
	McBride Crescent			Maintenance)	
KRRD-0162	McClure Drive from	91	205	Crack Sealing	\$1,230.00
	Curtis Crescent to			(Routine	
	Aukland Lane			Maintenance)	
KRRD-	Dennison Street from	90	271	Crack Sealing	\$1,626.00
0177.2	610 m E. of			(Routine	
	Valleycrest Drive to			Maintenance)	
	East Humber Drive				
2026 Total Length (km)			7.913	2026 Total Cost	\$40,773
2027			<u>l</u>	I	1
KRRD-0181	East Humber Drive	94	97	Crack Sealing	\$582.00
	from Dennison Street			(Routine	
	to End			Maintenance)	
KRRD-0184	Melrose Avenue from	92	147	Crack Sealing	\$937.00
	John Street to Martin	-		(Routine	
	Street			Maintenance)	
					<u> </u>

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
KRRD-0190	Sir Henry Court from Elmers Lane to End	93	129	Crack Sealing (Routine Maintenance)	\$774.00
KRRD-0195	15th Sideroad from Cairns Gate to Elmers Lane	93	265	Crack Sealing (Routine Maintenance)	\$1,391.00
KRRD-0226	Scott Crescent from Collard Drive to Collard Drive	91	699	Crack Sealing (Routine Maintenance)	\$3,355.00
KRRD-0230	Sir Henry Court from Lake Marie Trail to Elmers Lane	93	247	Crack Sealing (Routine Maintenance)	\$1,482.00
KRRD-0231	Elmers Lane from Lake Marie Trail to Sir Henry Court	93	315	Crack Sealing (Routine Maintenance)	\$1,890.00
KRRD-0241	Hambly Avenue from Humber Crescent to 50 m S. of Humber Crescent	92	50	Crack Sealing (Routine Maintenance)	\$263.00
NRRD-0014	Ellis Avenue from Wellington Street to Robinson Road	94	314	Crack Sealing (Routine Maintenance)	\$2,002.00
NRRD-0021	Parkheights Trail from Parkheights Trail (Traffic Circle) to West Coast Trail	94	144	Crack Sealing (Routine Maintenance)	\$1,188.00
NRRD-0030	Royal Avenue from King Road to Lynwood Crescent	91	217	Crack Sealing (Routine Maintenance)	\$977.00
NRRD-0072	Ellis Avenue from Robinson Road to Faris Avenue	94	114	Crack Sealing (Routine Maintenance)	\$727.00
NRRD-0086	Northcott Way from Westbrooke Boulevard to Skyline Trail	93	161	Crack Sealing (Routine Maintenance)	\$966.00
NRRD-0110	Skyline Trail from Westbrooke Boulevard to Piper Court	93	96	Crack Sealing (Routine Maintenance)	\$576.00

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Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
NRRD-0111	Parkheights Trail from	94	111	Crack Sealing	\$916.00
	James Bowan Court to			(Routine	
	Parkheights Trail			Maintenance)	
	(Traffic Circle)				
NRRD-0156	Paradise Valley Trail	93	61	Crack Sealing	\$398.00
	from West Coast Trail			(Routine	
	to Anderson Cove			Maintenance)	
	Trail				
ORRD-0051	10th Concession from	93	1574	Crack Sealing	\$7,909.00
	Huntington Road to			(Routine	
	King Road			Maintenance)	
ORRD-0061	15th Sideroad from	93	1225	Crack Sealing	\$6,615.00
	0.53 km E. of Weston			(Routine	
	Road to 1.8 km E. of			Maintenance)	
	Weston Road				
ORRD-0074	Fairfield Drive from	93	114	Crack Sealing	\$684.00
	Eden Vale Drive to			(Routine	
	Norcliffe Drive			Maintenance)	
ORRD-0161	10th Concession from	91	2000	Crack Sealing	\$9,750.00
	18th Sideroad to			(Routine	
	19th Sideroad			Maintenance)	
2027 Total Length (km)			8.080	2027 Total	\$43,381.00
				Cost	

# 4.1.9.2 Resurfacing Plan

Burnside completed analysis to determine a list of roads within the Township that should receive resurfacing over the next 10 years, as the Township's budget will allow for. The recommended resurfacing plan considers all hardtop roads that will warrant resurfacing or rehabilitation over the next 10 years. The implementation of the resurfacing improvements has been prioritized based on the PR which accounts for traffic and condition of each road. and Figure 27 outline the roads that have been proposed for routine and/or preventive maintenance.

Figure 27: 10 Year Resurfacing Plan (2023-2032)

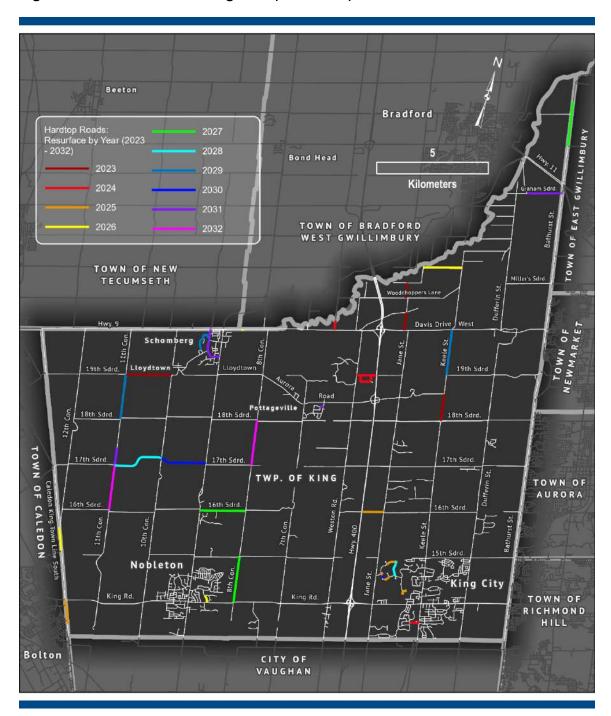


Table 9: 10 Year Resurfacing Plan (2023-2032)

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
Year 1 (2023)					
ORRD-0020	Keele Street from Lloydtown/Aurora Road Traffic Circle to Kettleby Road	65	1365	Pulverize + 2 HMA (Resurfacing)	\$356,655.00
ORRD-0250	Jane Street from Davis Drive West to South Canal Bank Road	68	818	Pulverize + 2 HMA (Resurfacing)	\$267,969.00
ORRD-0135	Jane Street from Woodchoppers Lane to Edward Avenue	83	681	Pulverize + 2 HMA (Resurfacing)	\$175,305.00
ORRD-0137	19th Sideroad from 10th Concession to 11th Concession	95	2049	Pulverize + 2 HMA (Resurfacing)	\$479,466.00
Year 1 Lengtl	• •		4.913	Year 1 Cost	1,279,395.00
Year 2 (2024)			T	T=	l
ORRD-0105	19th Sideroad from Hodgson Avenue to Hodgson Avenue	54	489	Pulverize + 2 HMA (Resurfacing)	127,764.00
ORRD-0065	Rupke Road from Highway 9 to End	54	448	Pulverize + 2 HMA (Resurfacing)	\$108,342.00
ORRD-0158	Hodgson Avenue from William's Court to 19th Sideroad	66	719	Pulverize + 2 HMA (Resurfacing)	\$187,863.00
ORRD-0002	19th Sideroad from End (Cul-de-Sac) to Hodgson Avenue	70	228	Pulverize + 2 HMA (Resurfacing)	\$59,592.00
ORRD-0048	Hodgson Avenue from 19th Sideroad to William's Court	77	264	Resurface	\$68,991.00
ORRD-0109	19th Sideroad from Hodgson Avenue to Weston Road	77	167	Pulverize + 2 HMA (Resurfacing)	\$32,565.00
KRRD-0148	Station Road from Burton Grove to West Street	44	139	Full depth asphalt removal + 2 HMA + Spot curb replacement (Rehabilitation)	\$64,440.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
KRRD-0204	Station Road from West Street to Burns	68	284	Full depth asphalt removal + 2 HMA	\$111,320.00
_	Boulevard			(Resurfacing)	
Year 2 Lengt			2.738	Year 2 Cost	\$780,323.00
Year 3 (2025)		•	ı	T	Т.
KRRD-0043	Westgate Circle from Kingsworth Road to	51	16	Pulverize + Granular A + 2 HMA	\$6,272.00
	Westgate Boulevard			(Rehabilitation)	
KRRD-0067	Westgate Circle from Kingscross Drive to Kingsworth Road	58	58	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$22,736.00
ORRD-0056	16th Sideroad from Jane Street to Highway 400 Overpa	62	983	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$308,259.00
KRRD-0080	Westgate Circle from Westgate Boulevard to Kingscross Drive	66	54	Pulverize + 2 HMA (Resurfacing)	\$12,636.00
KRRD-0087	Manitou Drive (East Cul-de-Sac) from Fork to End	60	173	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$53,314.00
KRRD-0081	Manitou Drive (South Cul-de-Sac) from Fork to End (Cul-de- Sac)	64	159	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$48,990.00
ORRD-0118	Albion Vaughan Road from Old King Road to 72m N. of Old King Road	77	71	Milling + Patching + 1 HMA (Resurfacing)	\$11,109.00
ORRD-0226	Albion Vaughan Road from 340 m N. of Queensgate Boulevard to Old King Road	80	852	Milling + Patching + 1 HMA (Resurfacing)	\$143,060.00
KRRD-0077	Kingsworth Road from Blueberry Lane to Watch Hill Road	55	454	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$137,816.00
KRRD-0018	Kingscross Drive from Cranberry Lane to Snowberry Lane	67	285	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$111,720.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
ORRD-0094	Albion Vaughan Road from 72 m N. of Old King Road to Caledon King Town Line South	84	175	Milling + Patching + 1 HMA (Resurfacing)	\$24,150.00
Year 3 Lengt			3.280	Year 3 Cost	\$880,062.00
Year 4 (2026)		_		<del>,</del>	
ORRD-0128	Strawberry Lane from Keele Street to Aileen Avenue	49	1739	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$570,899.00
ORRD-0202	Caledon King Town Line South from Columbia Way to Mt. Pleasant Road	70	240	Pulverize + 2 HMA (Resurfacing)	\$34,164.00
ORRD-0203	Caledon King Town Line South from Mt. Pleasant Road to 12th Concession	74	783	Pulverize + 2 HMA (Resurfacing)	\$111,462.00
NRRD-0237	Greenside Drive from King Road to 35 m N. of King Road	72	35	Pulverize + Granular A + 2 HMA (Resurfacing)	\$13,377.00
NRRD-0141	Greenside Drive from Noblewood Drive to Noblewood Drive	73	261	Pulverize + Granular A + 2 HMA (Resurfacing)	\$99,762.00
NRRD-0121	Greenside Drive from 35 m N. of King Road to Noblewood Drive	74	40	Pulverize + Granular A + 2 HMA (Resurfacing)	\$15,288.00
ORRD-0132	Showa Court from Highway 9 to End (Cul-de-Sac)	65	67	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$85,358.00
Year 4 Length (km)			3.165	Year 4 Cost	\$930,310.00
Year 5 (2027)		Ι	1	T=	
ORRD-0025	16th Sideroad from 8th Concession to Trainor Court	51	1306	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$415,961.00
ORRD-0178	16th Sideroad from Trainor Court to Highway 27	53	743	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$236,670.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
ORRD-0234	Bathurst Street from	62	1443	Pulverize + Granular	\$459,620.00
	Queensville			A + 2 HMA	
	Sideroad West to			(Rehabilitation)	
	Hochreiter Road				
ORRD-0224	8th Concession from	60	2092	Pulverize + Granular	\$666,302.00
	King Road to			A + 2 HMA	
0000	15th Sideroad	0.4	570	(Rehabilitation)	<b>#</b> 400 450 00
ORRD-0060	Bathurst Street from	64	576	Pulverize + Granular	\$183,456.00
	Hochreiter Road to			A + 2 HMA	
	King – Bradford			(Rehabilitation)	
	Boundary		0.400	V	<b>#4 000 000 00</b>
Year 5 Lengtl			6.160	Year 5 Cost	\$1,962,009.00
Year 6 (2028)		T-0	704	Dulyaniaa I Caanulaa	¢227 250 00
KRRD-0053	Watch Hill Road	59	734	Pulverize + Granular	\$237,356.00
	from Champlain			A + 2 HMA	
	Crescent to			(Rehabilitation)	
0000	Kingsworth Road	70	4 4 4 4	Dubania a Onemala	#400 040 00
ORRD-0024	17th Sideroad from	72	1441	Pulverize + Granular	\$488,943.00
	10th Concession to			A + 2 HMA	
	1.4 km W. of 10th			(Resurfacing)	
ORRD-0157	Concession 17th Sideroad from	76	839	Dubariza I Cranular	¢204 664 00
ORRD-0157	17th Sideroad from	76	039	Pulverize + Granular A + 2 HMA	\$284,661.00
	10th Concession to 11th Concession			(Resurfacing)	
Year 6 Lengtl			3.014	Year 6 Cost	\$1,010,960.00
Year 7 (2029)	•		3.014	1641 0 0031	ψ1,010,300.00
ORRD-0026	11th Concession	70	1967	Pulverize + Granular	\$626,514.00
011112 0020	from 18th Sideroad	, 0	1007	A + 2 HMA	ψ020,014.00
	to 19th Sideroad			(Rehabilitation)	
ORRD-0151	11th Concession	71	71	Pulverize + Granular	\$22,638.00
	from 18th Sideroad			A + 2 HMA	Ψ22,000.00
	to 18th Sideroad			(Rehabilitation)	
ORRD-0096	Keele Street from	71	2045	Pulverize + Granular	\$671,349.00
	19th Sideroad to			A + 2 HMA	, , , , , , , , , , , , , , , , , , , ,
	Davis Drive West			(Rehabilitation)	
SRRD-0015	Western Avenue	69	491	Pulverize + Granular	\$204,526.00
	from Brownsville			A + 2 HMA	
	Court to Main Street			(Rehabilitation)	
l	i .	1	L	1 '	1

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
SRRD-0014	Western Avenue from Elmwood Avenue to Brownsville Court	68	562	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$234,073.00
Year 7 Lengtl	h (km)	I	5.136	Year 7 Cost	\$1,759,100.00
Year 8 (2030)			1		
ORRD-0039	17th Sideroad from Highway 27 to 10th Concession	77	2053	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$673,995.00
KRRD-0079	Kingscross Drive from Snowberry Lane to Westgate Circle	71	231	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$90,552.00
Year 8 Lengtl	3 2		2.284	Year 8 Cost	\$764,547.00
Year 9 (2031)					
ORRD-0268	11th Concession from 17th Sideroad to 0.8 km N. of 17th Sideroad	75	787	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$258,377.00
SRRD-0051	Main Street from Cooper Drive to Church Street	80	441	Milling + Patching + 1 HMA (Resurfacing)	\$101,430.00
PRRD-0013	Archibald Road from Cook Drive to Cutting Crescent	70	169	Full depth asphalt removal + 2 HMA + Spot curb replacement (Rehabilitation)	\$64,665.00
ORRD-0124	Graham Sideroad from Bathurst Street to Pumphouse Road	76	1568	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$553,210.00
SRRD-0067	Main Street from Dr. Kay Drive to Western Avenue	82	152	Milling + Patching + 1 HMA (Resurfacing)	\$34,960.00
SRRD-0013	Main Street from Greco Ridge Lane to Highway 9	85	71	Milling + Patching + 1 HMA (Resurfacing)	\$16,330.00
SRRD-0004	Main Street from Western Avenue to Ben Boy Avenue	86	144	Milling + Patching + 1 HMA (Resurfacing)	\$33,120.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
SRRD-0041	Main Street from	92	141	Milling + Patching +	\$32,430.00
	Ben Boy Avenue to			1 HMA (Resurfacing)	
	Greco Ridge Lane				
SRRD-0058	Main Street from	84	484	Milling + Patching +	\$111,320.00
	Church Street to Dr.			1 HMA (Resurfacing)	
	Kay Drive				
SRRD-0045	Main Street from	86	236	Milling + Patching +	\$54,280.00
	Highway 27 to			1 HMA (Resurfacing)	
	Cooper Drive				
Year 9 Length	(km)	•	4.193	Year 9 Cost	\$1,260,122.00
Year 10 (2032	(1)				
ORRD-0194	8th Concession	73	19	Pulverize + Granular	\$6,223.00
	from 17th Sideroad			A + 2 HMA	
	to 17th Sideroad			(Rehabilitation)	
ORRD-0159	8th Concession	83	1987	Pulverize + Granular	\$652,337.00
	from 17th Sideroad			A + 2 HMA	
	to 18th Sideroad			(Rehabilitation)	
ORRD-0114	8th Concession	98	60	Milling + Patching +	\$8,844.00
	from 18th Sideroad			1 HMA (Resurfacing)	
	to 18th Sideroad				
ORRD-0053	11th Concession	78	2012	Pulverize + Granular	\$660,520.00
	from 16th Sideroad			A + 2 HMA	
	to 17th Sideroad			(Rehabilitation)	
Year 10 Leng	Year 10 Length (km)			Year 10 Cost	\$1,327,924.00

Township of King Road Needs Study November 2022 (Revised June 2023)

and Figure 27 outline the roads that have been proposed for routine and/or preventive maintenance.

Figure 27: 10 Year Resurfacing Plan (2023-2032)

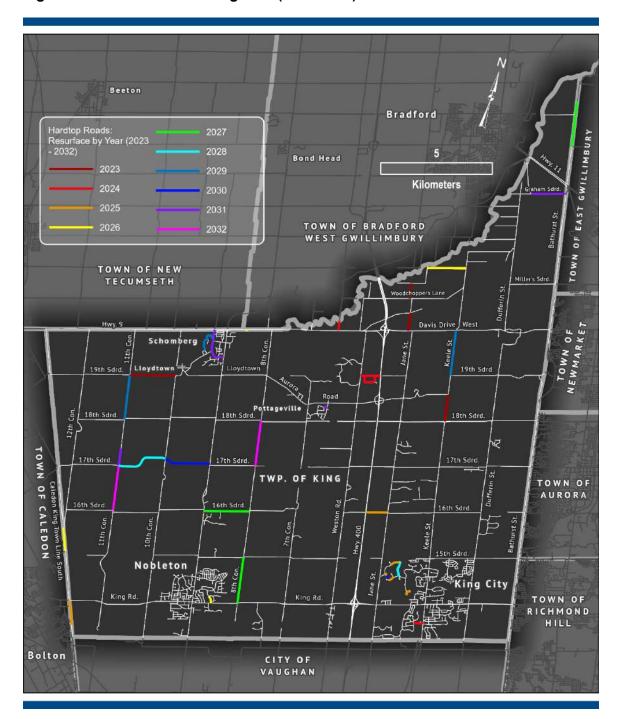


Table 9: 10 Year Resurfacing Plan (2023-2032)

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
Year 1 (2023)			•		
ORRD-0020	Keele Street from Lloydtown/Aurora Road Traffic Circle to Kettleby Road	65	1365	Pulverize + 2 HMA (Resurfacing)	\$356,655.00
ORRD-0250	Jane Street from Davis Drive West to South Canal Bank Road	68	818	Pulverize + 2 HMA (Resurfacing)	\$267,969.00
ORRD-0135	Jane Street from Woodchoppers Lane to Edward Avenue	83	681	Pulverize + 2 HMA (Resurfacing)	\$175,305.00
ORRD-0137	19th Sideroad from 10th Concession to 11th Concession	95	2049	Pulverize + 2 HMA (Resurfacing)	\$479,466.00
Year 1 Lengtl			4.913	Year 1 Cost	1,279,395.00
Year 2 (2024)			ı	1	
ORRD-0105	19th Sideroad from Hodgson Avenue to Hodgson Avenue	54	489	Pulverize + 2 HMA (Resurfacing)	127,764.00
ORRD-0065	Rupke Road from Highway 9 to End	54	448	Pulverize + 2 HMA (Resurfacing)	\$108,342.00
ORRD-0158	Hodgson Avenue from William's Court to 19th Sideroad	66	719	Pulverize + 2 HMA (Resurfacing)	\$187,863.00
ORRD-0002	19th Sideroad from End (Cul-de-Sac) to Hodgson Avenue	70	228	Pulverize + 2 HMA (Resurfacing)	\$59,592.00
ORRD-0048	Hodgson Avenue from 19th Sideroad to William's Court	77	264	Resurface	\$68,991.00
ORRD-0109	19th Sideroad from Hodgson Avenue to Weston Road	77	167	Pulverize + 2 HMA (Resurfacing)	\$32,565.00
KRRD-0148	Station Road from Burton Grove to West Street	44	139	Full depth asphalt removal + 2 HMA + Spot curb replacement (Rehabilitation)	\$64,440.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
KRRD-0204	Station Road from West Street to Burns Boulevard	68	284	Full depth asphalt removal + 2 HMA (Resurfacing)	\$111,320.00
Year 2 Lengtl			2.738	Year 2 Cost	\$780,323.00
Year 3 (2025)				1	<b>,</b> , , , , , , , , , , , , , , , , , ,
KRRD-0043	Westgate Circle from Kingsworth Road to Westgate Boulevard	51	16	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$6,272.00
KRRD-0067	Westgate Circle from Kingscross Drive to Kingsworth Road	58	58	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$22,736.00
ORRD-0056	16th Sideroad from Jane Street to Highway 400 Overpa ss	62	983	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$308,259.00
KRRD-0080	Westgate Circle from Westgate Boulevard to Kingscross Drive	66	54	Pulverize + 2 HMA (Resurfacing)	\$12,636.00
KRRD-0087	Manitou Drive (East Cul-de-Sac) from Fork to End	60	173	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$53,314.00
KRRD-0081	Manitou Drive (South Cul-de-Sac) from Fork to End (Cul-de- Sac)	64	159	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$48,990.00
ORRD-0118	Albion Vaughan Road from Old King Road to 72m N. of Old King Road	77	71	Milling + Patching + 1 HMA (Resurfacing)	\$11,109.00
ORRD-0226	Albion Vaughan Road from 340 m N. of Queensgate Boulevard to Old King Road	80	852	Milling + Patching + 1 HMA (Resurfacing)	\$143,060.00
KRRD-0077	Kingsworth Road from Blueberry Lane to Watch Hill Road	55	454	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$137,816.00
KRRD-0018	Kingscross Drive from Cranberry Lane to Snowberry Lane	67	285	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$111,720.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
ORRD-0094	Albion Vaughan Road from 72 m N. of Old King Road to Caledon King Town Line South	84	175	Milling + Patching + 1 HMA (Resurfacing)	\$24,150.00
Year 3 Lengtl	h (km)		3.280	Year 3 Cost	\$880,062.00
Year 4 (2026)					
ORRD-0128	Strawberry Lane from Keele Street to Aileen Avenue	49	1739	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$570,899.00
ORRD-0202	Caledon King Town Line South from Columbia Way to Mt. Pleasant Road	70	240	Pulverize + 2 HMA (Resurfacing)	\$34,164.00
ORRD-0203	Caledon King Town Line South from Mt. Pleasant Road to 12th Concession	74	783	Pulverize + 2 HMA (Resurfacing)	\$111,462.00
NRRD-0237	Greenside Drive from King Road to 35 m N. of King Road	72	35	Pulverize + Granular A + 2 HMA (Resurfacing)	\$13,377.00
NRRD-0141	Greenside Drive from Noblewood Drive to Noblewood Drive	73	261	Pulverize + Granular A + 2 HMA (Resurfacing)	\$99,762.00
NRRD-0121	Greenside Drive from 35 m N. of King Road to Noblewood Drive	74	40	Pulverize + Granular A + 2 HMA (Resurfacing)	\$15,288.00
ORRD-0132	Showa Court from Highway 9 to End (Cul-de-Sac)	65	67	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$85,358.00
Year 4 Lengtl		-	3.165	Year 4 Cost	\$930,310.00
Year 5 (2027)		Ι	T	T=	
ORRD-0025	16th Sideroad from 8th Concession to Trainor Court	51	1306	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$415,961.00
ORRD-0178	16th Sideroad from Trainor Court to Highway 27	53	743	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$236,670.00

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost			
ORRD-0234	Bathurst Street from	62	1443	Pulverize + Granular	\$459,620.00			
	Queensville			A + 2 HMA				
	Sideroad West to			(Rehabilitation)				
	Hochreiter Road							
ORRD-0224	8th Concession from	60	2092	Pulverize + Granular	\$666,302.00			
	King Road to			A + 2 HMA				
	15th Sideroad			(Rehabilitation)				
ORRD-0060	Bathurst Street from	64	576	Pulverize + Granular	\$183,456.00			
	Hochreiter Road to			A + 2 HMA				
	King – Bradford			(Rehabilitation)				
	Boundary							
Year 5 Length (km)			6.160	Year 5 Cost	\$1,962,009.00			
Year 6 (2028)								
KRRD-0053	Watch Hill Road	59	734	Pulverize + Granular	\$237,356.00			
	from Champlain			A + 2 HMA				
	Crescent to			(Rehabilitation)				
	Kingsworth Road							
ORRD-0024	17th Sideroad from	72	1441	Pulverize + Granular	\$488,943.00			
	10th Concession to			A + 2 HMA				
	1.4 km W. of 10th			(Resurfacing)				
	Concession							
ORRD-0157	17th Sideroad from	76	839	Pulverize + Granular	\$284,661.00			
	1.4 km W. of			A + 2 HMA				
	10th Concession			(Resurfacing)				
	to 11th Concession							
Year 6 Length (km)			3.014	Year 6 Cost	\$1,010,960.00			
Year 7 (2029)								
ORRD-0026	11th Concession	70	1967	Pulverize + Granular	\$626,514.00			
	from 18th Sideroad			A + 2 HMA				
	to 19th Sideroad			(Rehabilitation)				
ORRD-0151	11th Concession	71	71	Pulverize + Granular	\$22,638.00			
	from 18th Sideroad			A + 2 HMA				
	to 18th Sideroad			(Rehabilitation)				
ORRD-0096	Keele Street from	71	2045	Pulverize + Granular	\$671,349.00			
	19th Sideroad to			A + 2 HMA				
	Davis Drive West			(Rehabilitation)				
SRRD-0015	Western Avenue	69	491	Pulverize + Granular	\$204,526.00			
	from Brownsville			A + 2 HMA				
	Court to Main Street			(Rehabilitation)				

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost			
SRRD-0014	Western Avenue from Elmwood Avenue to Brownsville Court	68	562	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$234,073.00			
Year 7 Lengtl	n (km)		5.136	Year 7 Cost	\$1,759,100.00			
Year 8 (2030)								
ORRD-0039	17th Sideroad from Highway 27 to 10th Concession	77	2053	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$673,995.00			
KRRD-0079	Kingscross Drive from Snowberry Lane to Westgate Circle	71	231	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$90,552.00			
Year 8 Lengtl			2.284	Year 8 Cost	\$764,547.00			
Year 9 (2031)								
ORRD-0268	11th Concession from 17th Sideroad to 0.8 km N. of 17th Sideroad	75	787	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$258,377.00			
SRRD-0051	Main Street from Cooper Drive to Church Street	80	441	Milling + Patching + 1 HMA (Resurfacing)	\$101,430.00			
PRRD-0013	Archibald Road from Cook Drive to Cutting Crescent	70	169	Full depth asphalt removal + 2 HMA + Spot curb replacement (Rehabilitation)	\$64,665.00			
ORRD-0124	Graham Sideroad from Bathurst Street to Pumphouse Road	76	1568	Pulverize + Granular A + 2 HMA (Rehabilitation)	\$553,210.00			
SRRD-0067	Main Street from Dr. Kay Drive to Western Avenue	82	152	Milling + Patching + 1 HMA (Resurfacing)	\$34,960.00			
SRRD-0013	Main Street from Greco Ridge Lane to Highway 9	85	71	Milling + Patching + 1 HMA (Resurfacing)	\$16,330.00			
SRRD-0004	Main Street from Western Avenue to Ben Boy Avenue	86	144	Milling + Patching + 1 HMA (Resurfacing)	\$33,120.00			

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
SRRD-0041	Main Street from	92	141	Milling + Patching +	\$32,430.00
	Ben Boy Avenue to			1 HMA (Resurfacing)	
	Greco Ridge Lane				
SRRD-0058	Main Street from	84	484	Milling + Patching +	\$111,320.00
	Church Street to Dr.			1 HMA (Resurfacing)	
	Kay Drive				
SRRD-0045	Main Street from	86	236	Milling + Patching +	\$54,280.00
	Highway 27 to			1 HMA (Resurfacing)	
	Cooper Drive				
Year 9 Length	(km)		4.193	Year 9 Cost	\$1,260,122.00
Year 10 (2032	)				
ORRD-0194	8th Concession	73	19	Pulverize + Granular	\$6,223.00
	from 17th Sideroad			A + 2 HMA	
	to 17th Sideroad			(Rehabilitation)	
ORRD-0159	8th Concession	83	1987	Pulverize + Granular	\$652,337.00
	from 17th Sideroad			A + 2 HMA	
	to 18th Sideroad			(Rehabilitation)	
ORRD-0114	8th Concession	98	60	Milling + Patching +	\$8,844.00
	from 18th Sideroad			1 HMA (Resurfacing)	
	to 18th Sideroad				
ORRD-0053	11th Concession	78	2012	Pulverize + Granular	\$660,520.00
	from 16th Sideroad			A + 2 HMA	
	to 17th Sideroad			(Rehabilitation)	
Year 10 Lengt	th (km)		4.078	Year 10 Cost	\$1,327,924.00

Township of King Road Needs Study November 2022 (Revised June 2023)

# 4.1.9.3 Reconstruction Plan

In addition to the preventive maintenance and resurfacing plan, Burnside completed analysis to determine a list of roads within the Township that should receive full reconstruction over the next 10 years, as the Township's budget will allow for. The recommended reconstruction plan considers all hardtop roads with a PCI less than 40, which would warrant reconstruction. The implementation of the reconstruction improvements has been prioritized based on the PR which accounts for traffic and condition of each road. Table 10 and Figure 28 outline the roads that have been proposed for routine and/or preventive maintenance.

Figure 28: 10 Year Reconstruction Plan (2023-2032)

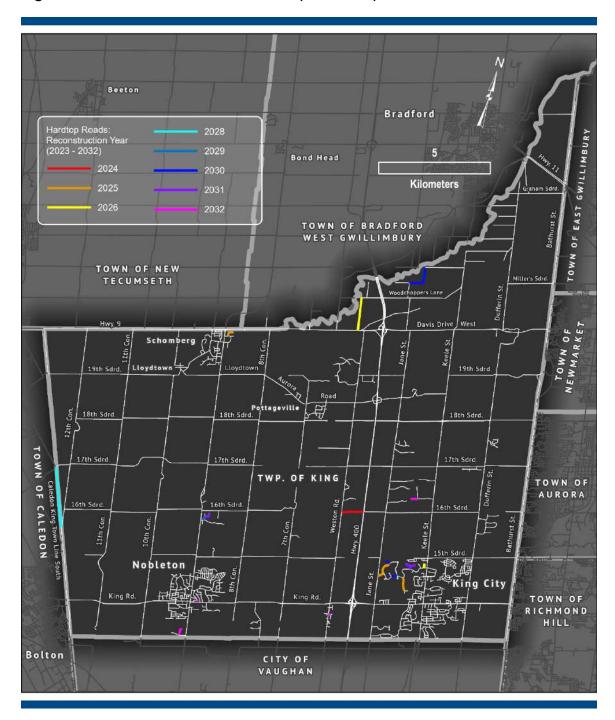


Table 10: 10 Year Reconstruction Plan (2023-2032)

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
Year 1 (2023)		•			
No Proposed	Reconstructions				
Year 2 (2024)	)				
ORRD-0236	16th Sideroad from Highway 400 Overpass to Weston Road	47	1004	Full depth asphalt removal + Total base replacement + 2 HMA (Reconstruction)	\$504,525.00
Year 2 Lengt	:h (km)		1.004	Year 2 Cost	\$504,525.00
Year3 (2025)	• •		11001		<b>+001,020.00</b>
SRRD-0053	Magnum Drive from Proctor Road to End (Cul-de- Sac)	41	367	Full depth asphalt removal + Total base replacement + 2 HMA (Reconstruction)	\$200,925.00
KRRD-0073	Westgate Boulevard from Jane Street to Westgate Circle	48	260	Full depth asphalt removal + Total base replacement + 2 HMA (Reconstruction)	\$112,320.00
KRRD-0005	Manitou Drive from Kingcross Drive to Fork	47	620	Full depth asphalt removal + Total base replacement + 2 HMA (Reconstruction)	\$299,088.00
KRRD-0105	Kingsworth Road from Westgate Circle to Blueberry Lane	40	570	Full depth asphalt removal + Total base replacement + 2 HMA (Reconstruction)	\$270,864.00
Year 3 Lengt			1.817	Year 3 Cost	\$883,197.00
Year 4 (2026)	)				

Municipal			Length	Improvement	Improvement
ID	Road Segment	PCI	(m)	Type	Cost
ORRD-0195	Holancin Road	42	1496	Full depth	\$721,656.00
	from Highway 9 to			asphalt removal	
	2nd Concession			+ Total base	
				replacement +	
				2 HMA	
				(Reconstruction)	
KRRD-0032	McKellar Lane	36	213	Full depth	\$102,744.00
	from Kingcross			asphalt removal	
	Drive to End (Cul-			+ Total base	
	de-Sac)			replacement +	
				2 HMA	
				(Reconstruction)	
Year 4 Lengt	h (km)		1.709	Year 4 Cost	\$824,400.00
Year 5 (2027)					
•	Reconstructions				
Year 6 (2028)			1		
ORRD-0076	Caledon King	62	2702	Full depth	\$744,750.00
	Town Line South			asphalt removal	
	from			+ Total base	
	12th Concession to			replacement +	
	17th Sideroad			2 HMA	
				(Reconstruction)	<b>A-11</b>
Year 6 Lengt			2.702	Year 6 Cost	\$744,750.00
Year 7 (2029)		00	400	FII .I 41-	<b>#407.000.00</b>
ORRD-0093		66	168	Full depth	\$127,680.00
	from Nobleton			asphalt removal	
	Lakes Drive to			+ Total base	
	Hilliard Grove			replacement +	
				Total curb	
				replacement +	
				2 HMA	
Voor 7 Longs	ib (lem)		0.460	(Reconstruction)	¢427 690 00
Year 7 Lengt Year 8 (2030			0.168	Year 7 Cost	\$127,680.00
ORRD-0258	Aileen Avenue	65	702	Full depth	\$352,725.00
OINID-0230	from Edward	00	102	asphalt removal	ΨυυΖ, Ι Ζυ.00
	Avenue to			+ Total base	
	Strawberry Lane			replacement +	
	Chawberry Lane			2 HMA	
				(Reconstruction)	

Municipal	Dood Comment	DCI	Length	Improvement	Improvement
ID	Road Segment	PCI	(m)	Type	Cost
ORRD-0150	Edward Avenue	67	613	Full depth	\$289,650.00
	from Aileen			asphalt removal	
	Avenue to Jane			+ Total base	
	Street			replacement +	
				2 HMA	
				(Reconstruction)	
KRRD-0031	Blueberry Lane	52	234	Full depth	\$122,976.00
	from Kingsworth			asphalt removal	
	Road to End			+ Total base	
				replacement +	
				2 HMA	
				(Reconstruction)	
KRRD-0048	Kingscross Drive	69	255	Full depth	\$153,000.00
	from Champlain			asphalt removal	
	Crescent to			+ Total base	
	Cranberry Lane			replacement +	
				2 HMA	
				(Reconstruction)	
Year 8 Lengt			1.804	Year 8 Cost	\$918,351.00
Year 9 (2031)		1	1	<b>I</b>	
ORRD-0192	Loch Erne Lane	63	312	Full depth	\$237,120.00
	from Hilliard Grove			asphalt removal	
	to End (Cul-de-			+ Total base	
	Sac)			replacement +	
				Total curb	
				replacement +	
				2 HMA	
				(Reconstruction)	
KRRD-0059	Chelsea Lane from	55	249	Full depth	\$120,096.00
	Fork to End (Cul-			asphalt removal	
	de-Sac)			+ Total base	
				replacement +	
				2 HMA	
				(Reconstruction)	
KRRD-0093	Chelsea Lane from	50	292	Full depth	\$140,832.00
	Fork to End (West			asphalt removal	
	Cul-de-Sac)			+ Total base	
				replacement +	
				2 HMA	
				(Reconstruction)	

Municipal ID	Road Segment	PCI	Length (m)	Improvement Type	Improvement Cost
KRRD-0047	Chelsea Lane from	52	138	Full depth	\$66,600.00
	Kingscross Drive to			asphalt removal	
	Fork			+ Total base	
				replacement +	
				2 HMA	
				(Reconstruction)	
Year 9 Lengt			0.991	Year 9 Cost	\$564,648.00
Year 10 (203	•		T		
ORRD-0041	Cavell Avenue	68	310	Full depth	\$151,125.00
	from Fog Road to			asphalt removal	
	End (West)			+ Total base	
				replacement +	
				2 HMA	
				(Reconstruction)	
ORRD-0098	Hilda Road from	52	340	Full depth	\$164,016.00
	Diana Drive to End			asphalt removal	
	(Cul-de-Sac)			+ Total base	
				replacement +	
				2 HMA	
NDDD 0440	Lumura ad Casasant	00	440	(Reconstruction)	ФГ7 7 <b>Г</b> 0 00
NRRD-0142	Lynwood Crescent	68	110	Full depth	\$57,750.00
	from King Road to Royal Avenue			asphalt removal + Total base	
	Royal Averlue				
				replacement + 2 HMA	
				(Reconstruction)	
YRRD-0001	Laskay Mills Drive	64	107	Full depth	\$81,320.00
	from Weston Road			asphalt removal	Ψ31,020.00
	to Rolling Court			+ Total base	
	J			replacement +	
				Total curb	
				replacement +	
				2 HMA	
				(Reconstruction)	
Year 10 Lenç	gth (km)		0.867	Year 10 Cost	\$454,211.00

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# 4.2 Gravel Paving Program and Management

# 4.2.1 Gravel Condition Rating

Similar to the condition rating system developed for hardtop roads, Burnside developed the "Gravel Condition Evaluation Form". The Form incorporates rating schema from the Inventory Manual for Municipal Roads (Ministry of Transportation Ontario [MTO], 1991), such as the Structural Adequacy and Drainage Rating. The various distress types shown in the Form have been collected in the field to support the overall Structural Adequacy Rating (scale between 1 to 20). The gravel road condition review also included establishing a Ride Comfort Rating (scale between 1 and 10) and a Drainage Rating (scale between 1 to 15), as well as providing comments on the specific distress observations (if any) on each gravel road section.

Based on the distress types determined during the condition survey and using the Ministry of Transportation (MTO) formulae, the Gravel Condition Rating (GCR) is determined based on a visual review of the severity, extent (density) and weighting of various distress types, as well as a Ride Comfort Rating, which reflects the rideability of the surface. A Distress Manifestation Index (DMI) is calculated, using MTO formulae, from the visual distress data collected in the field. The condition rating methodology follows the procedures developed by the MTO for gravel surface roads (MTO, 1989).

The calculation of the GCR follows the methods outlined by the MTO for such calculations (MTO, 2007). A GCR has been calculated for each road section according to the following formulae:

**Gravel Surface**: GCR = 
$$12.75 + (9 \times DMI) - (5.5 \times e^{(9.94-RCR)/3.46})$$

#### Where:

• DMI = Distress Manifestation Index, which is a systematic method of classifying and assessing the visible consequences of various surface distress mechanisms. The DMI classifies distress manifestations into various categories which are given a weighting factor (W), and which are classified according to their severity (S) and density (D). A summary of the factors considered is included in Appendix C. The total DMI is obtained by summation of the distress manifestations for the relevant factors and the following formulae:

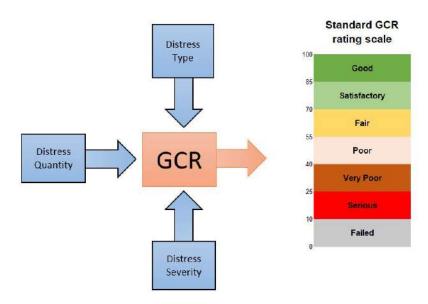
**Gravel Surface**: DMI = 
$$10 \times (135 - \text{summation of W} \times (D+S))/135$$

 RCR = Ride Comfort Rating, which is a subjective ride quality assessment as perceived by the traveling public and which has been determined by the field assessment of the roads.

The qualitative description of the various GCR ranges is shown in Figure 29.

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Figure 29: Qualitative Description of GCR Ranges



Based on the above methodology/procedure, the updated GCR for each road segment is illustrated on a map in Appendix D and shown in the excel spreadsheets in Appendix A.

There are two gravel roads in the township with poor condition Ratings (GCR<55), which currently require significant rehabilitation or full reconstruction. If sufficient budget is available to replace these roads, then these roads should be completed as soon as feasible as the roads currently sit in a state of disrepair that is not favoured by the level of service that should be provided. These roads (like the others) are subject to ongoing deterioration and will continue to degrade passed the state they are currently in. Table 11 below summarizes the two roads that have a poor condition rating and should be replace as soon as feasible.

**Table 11: Gravel Roads with Poor Condition Ratings (GCR<55)** 

Road Segment	Surface Type	AADT (vpd)	GCR
Lipchey Road, from Keele Street to End (East)	Gravel	50-199	15
South Canal Bank Road, from Jane Street to End (East)	Gravel	50-199	43

# 4.2.2 Surface Type Needs

The surface type of a roadway should be appropriately designed to accommodate the volume and type of traffic. According to the MTO guidelines (*Inventory Manual for Municipal Roads, Ministry of Transportation*, 1991), The surface type requirements are as follows:

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• Gravel roads are typically suitable for traffic volumes of less than 200 vehicles per day (vpd), however, upgrades to hardtop may be considered if roadside environment is semi-urban or for road network connectivity/hardtop continuity, subject to budget constraints and desired Level of Service. To minimize maintenance concerns, it is suggested that roads that have traffic volumes exceeding 200 vpd may be considered for a hard top surface (i.e., surface treatment for roads with 200 to 400 vpd AADT and asphalt for roads with over 400 vpd AADT).

 Asphalt roads may be considered where there is a high percentage of truck traffic, to maximize the road life.

Upgrading of gravel roads to asphalt may be considered for roads experiencing high truck volumes or high truck loading, AADT volumes higher than 200 or where high maintenance is an issue. For low volume rural roads, it is suggested that surface upgrading may be economical where the percentage of trucks exceed 10% of the AADT and is over 30 trucks per day.

Truck volumes typically range from a low of 3% on low volume residential streets to a high of 15% or more on arterials and collector roads. Information on truck volumes on the Township's roads was not available for this current study and it is recommended that future traffic counting work in the Township also delineate truck volumes, particularly if consideration is being made to upgrade the road's surface type. For low volume rural roads, this study suggests that surface upgrading may be economical to consider where the percentage of trucks exceed 10% of the AADT and is over 30 trucks per day.

Based on the above surface type considerations, a review of the data in Appendix A indicates that there are 18 gravel roads in the Township that presently meet these surface type criteria, as summarized in Table 12.

It is acknowledged that the Township plans to upgrade most, if not all, of its gravel roads, as the budget allows it, to improve the overall Level of Service provided by its road network. Roads that are planned for upgrading should be reviewed at the detailed design stage, to ensure that the geotechnical conditions and design conditions (e.g., widths, cross section geometry, vertical and horizontal alignments, etc.) are conducive to such upgrading and / or increase the benchmark costs established in this study, to account for any related upgrading required to support the upgraded surface type.

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**Table 12: Existing Gravel Roads That May Warrant Upgrading** 

<u>-</u>	_	1	Deticasis
Dood Commont	Length	AADT	Rationale
Road Segment	(m)	(vpd)	for
	, ,	( , ,	Upgrade
Semi-Urban Gravel Road	1	1	
Lipchey Road, from Keele Street to End (East)	886	60	Land use/
			Environment
Elmpine Trail, from Mill Road to End (West)	487	153	Land use/
			Environment
2nd Concession from Davis Road to Hanemaayer	631	421	Traffic
Lane			Volume
2nd Concession from Hanemaayer Lane to Holancin	205	421	Traffic
Road			Volume
19th Sideroad from 11th Concession to	2075	425	Traffic
12th Concession			Volume
10th Concession from 165 m S. of 15th Sideroad to	166	436	Traffic
15th Sideroad			Volume
10th Concession from 145 m N. of King Road to	1834	436	Traffic
165m S. of 15th Sideroad			Volume
Davis Road from 160 m N. of South Canal Bank	794	437	Traffic
Road to 2nd Concession			Volume
16th Sideroad from 7th Concession to	2113	444	Traffic
8 <sup>th</sup> Concession			Volume
Dufferin Street from 1.4 km N. of 19th Sideroad to	1129	494	Traffic
Davis Drive West			Volume
Dufferin Street from 400 m N. of 19th Sideroad to	998	494	Traffic
1.4 km N. of 19th Sideroad			Volume
12th Concession from 120 m N. of Caledon King	823	517	Traffic
Townline to 16th Sideroad			Volume
Mill Road from King – Vaughn Boundary to Elmpine	422	566	Traffic
Trail			Volume
Mill Road from Humber Trail to King Road	900	566	Traffic
, and the second			Volume
Mill Road from Elmpine Trail to Humber Trail	376	566	Traffic
·			Volume
19th Sideroad from 230 m W. of Dufferin Street to	1635	865	Traffic
1.86 km W. of Dufferin Street			Volume
19th Sideroad from 1.86 km W. of Dufferin Street to	282	865	Traffic
Keele Street			Volume
Caledon King Town Line North from Halls Lake	1978	1690	Traffic
Sideroad to Highway 9			Volume
J J -	1	i	_

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Where budgets allow, it is recommended that surface types be upgraded to meet these minimum desirable levels of service for surface types. However, where budget is the limiting factor, surface type standards may be reduced to tolerable standards, assuming that the road base has been properly designed and constructed and appropriate maintenance is applied. Where this lower standard surface type is used, a corresponding reduction in useful life is likely. In some areas, other constraints (e.g., ROW widths, horizontal or vertical curve deficiencies, etc.) may preclude the upgrading of such road sections without first addressing those factors.

### 4.2.3 Road Width

The minimum gravel road surface widths (i.e., platform width, travel width plus shoulders) have been assessed according to criteria outlined in the Geometric Guidelines for Municipal Roads (Ontario Good Roads Association [OGRA], 1998). The recommended minimum platform width requirements for gravel roads are outlined below in Table 13.

Table 13: Recommended Minimum Platform Widths for Gravel Roads (Based on OGRA)

Design Speed	Minimum Platform Width for Varying AADT Traffic Volume Ranges (vpd)				
(km/h)	<50 vpd	50 – 249 vpd	250 – 399 vpd	400 – 999 vpd	1,000 – 2,000 vpd
80	5.5 m	6.0 m	6.5 m	7.5 m	7.5 m
70				7.0 m	7.0 m
60				6.5 m	6.5 m
50				6.0 m	6.5 m
40				6.0 m	6.0 m

There are ten gravel roads in the Township that have been identified to have widths that currently do not meet the recommended lower width limit and are summarized in Table 14.

Table 14: Summary of Gravel Roads with Deficient Platform Widths

Road	Road Length (m)	Posted Speed (km/h)	AADT (vpd)	Width (m)
Burrows Road from Weston Road to Weston Road	512	80	8	3.3
Elmpine Trail, from Mill Road to End (West)	487	50	153	5.0
Toll Road, from Bathurst Street to Highway 11	2051	60	74	5.0
17 <sup>th</sup> Sideroad from Jane Street to End (West)	921	80	245	5.5
Emma Road from Dufferin Street to End (West)	975	80	253	6.10
Graham Sideroad, from Dufferin Street to End (West)	393	50	253	6.1

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Road	Road Length (m)	Posted Speed (km/h)	AADT (vpd)	Width (m)
Wilhelmena Road from Dufferin Street to End	758	80	253	6.1
(Canal)				
Juliana Road from Dufferin Street to End (East)	1090	80	253	6.1
19th Sideroad, from 1.86 km W. of Dufferin Street	282	60	865	6.1
to Keele Street				
12th Concession from 120 m N. of Caledon King	823	80	517	7.3
Townline to 16th Sideroad				

Some of the gravel roads with deficient platform widths are located on roads with low traffic volumes (i.e., less than 400 vpd), and therefore may not be considered critical (i.e., not justifying widening to address the width deficiency). For the higher volume/higher speed roads, the magnitude of the width deficiencies is generally not that significant. However, consideration may be given to completing some widening of these roads as part of future maintenance work (i.e., maintenance gravel for gravel roads or surface treatment / asphalt resurfacing maintenance for hardtop roads). While none of the platform width deficiencies are considered critical in the short term, it is recommended that widths be upgraded to meet minimum acceptable standards when, or if, such sections are rehabilitated or reconstructed to address condition needs.

### 4.2.4 Improvement Types

The different improvement types that are proposed in this study are listed below. These improvement types cover the full lifecycle of the road assets and require the Township to keep up with the road maintenance to prevent leaving the roads until they slip into a more extensive category like Rehabilitation or Reconstruction.

#### **Routine Maintenance (RM):**

Routine maintenance for gravel roads consists of grading and application of dust suppressants (calcium). Routine maintenance can help delay the need for more extensive rehabilitation or reconstruction and often adds a few years to the lifespan of a roadway. Routine/preventive maintenance is typically done when a road is in good condition but is starting to show slight deficiencies.

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# **Preventive Maintenance (PM):**

Preventive maintenance for gravel roads consists of the application of maintenance gravel (gravel top-up). Preventive Maintenance can help to delay the need for more extensive rehabilitation or reconstruction. Preventive maintenance is typically done when a road is in good condition but is starting to show slight deficiencies.

## Resurfacing (R):

Resurfacing for gravel roads, as proposed in this study consists of upgrading the gravel surface to a hardtop surface. Through discussion with Township staff, it is understood that the preferred surface type is Hot Mix Asphalt (HMA) and where applicable, roads should be upgraded to a HMA surface. This study proposes that the resurfacing improvement consists of nominal base strengthening (i.e., adding a thin lift of granular A to the existing surface) + two (50 mm) lifts of HMA.

Resurfacing treatments are typically done when a road is in fair condition. Given that the road is in fair condition, resurfacing treatments generally consist of upgrading the surface of gravel roads, but minimal work is done to the base of the road, aside from patching where required.

## Rehabilitation (REH):

Rehabilitation for gravel roads, as proposed in this study consists of upgrading the gravel surface to a hardtop surface. Through discussion with Township staff, it is understood that the preferred surface type is Hot Mix Asphalt (HMA) and where applicable, roads should be upgraded to a HMA surface. This study proposes that the rehabilitation improvement consists of partial base strengthening (i.e., excavating part of the existing base and replacing the material with new granular A material) + two (50 mm) lifts of HMA.

More extensive rehabilitation treatments are applied to roads in poor condition which have deteriorated to a point where full depth replacement of the road surface is required to protect the integrity of the underlying granular base and to delay more extensive reconstruction being required. Rehabilitation extends the service life of a pavement and its load carrying capacity by enhancing the road structure. This is achieved by eliminating the age-related deterioration of the pavement or increasing the thickness of pavement layers to address increases in traffic volume.

#### Reconstruction (REC):

Reconstruction for gravel roads, as proposed in this study consists of upgrading the gravel surface to a hardtop surface. Through discussion with Township staff, it is understood that the preferred surface type is Hot Mix Asphalt (HMA) and where applicable, roads should be upgraded to a HMA surface. This study proposes that the

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reconstruction improvement consists of full base strengthening (i.e., excavating all the existing base and replacing the material with new granular A and granular B material) + two (50 mm) lifts of HMA.

Reconstructions are typically done when a road is in very poor condition. If roads are left to deteriorate, they become weak and lose their structural integrity. As its structural capacity is weakened, a road will begin to disintegrate, resulting in extensive cracking, rutting and potholes being developed. At this point, maintenance, resurfacing, or rehabilitation treatments will not be able to restore its structural integrity. Once a minimum condition level is reached, the surface and road base may require full reconstruction to reestablish the proper base support for the road surface. Applying a lesser rehabilitation treatment may result in premature failure of any newly applied surface material. Once the road degrades below a minimum recommended condition, ongoing maintenance (e.g., filling of potholes) will typically increase significantly and/or safety or user complaints may become a concern. Reconstruction is also required when the road needs to be improved, to cater to significant increases in projected traffic volumes or to accommodate road widening.

#### **Determining Improvement Needs:**

To determine the improvement types that are warranted for certain road sections, the GCR values collected in the field were assigned to the distress trigger value ranges set for different improvement types. The trigger value ranges set for each improvement type are summarized in Table 15 along with estimated benchmark treatment costs. In addition, the forecasted improvement effects resulting from the various life cycle treatments are shown in Table 15 (i.e., the net benefit to the GCR values after a certain improvement type is implemented). The net benefit that is presented because of implementing a given improvement type is to represent that maintaining the condition of roads and performing routine and preventive maintenance will lengthen the lifecycle of a road segment (i.e., performing crack sealing with help extend the useful life of a road segment).

**Table 15: Gravel Road Improvement Matrix** 

	Semi-Urban or Rural - Gravel				
Improvement	Post-Treatment Condition	AADT>=400	400>AADT>=200	AADT<200	Distress Triggers
Routine Maintenance (RM)	N/A	N/A	N/A	Grading + Dust Suppressants	GCR>=60
Preventive Maintenance (PM)	N/A	N/A	N/A	Maintenance Gravel (once every three years) + Calcium Chloride [\$0.55 per m <sup>2</sup> ]	
Resurface (R)	N/A	2 HMA + Nominal Base Strengthening + Nominal Ditch Repair [\$45 per m <sup>2</sup> ]	2 HMA + Nominal Base Strengthening + Nominal Ditch Repair [\$40 per m <sup>2</sup> ]	2 HMA + Nominal Base Strengthening + Nominal Ditch Repair [\$40 per m <sup>2</sup> ] (Policy Upgrade)	
Rehabilitation (REH)	N/A	2 HMA + Partial Base Strengthening + Nominal Ditch Repair [\$51 per m <sup>2</sup> ]	2 HMA + Partial Base Strengthening + Nominal Shoulder/Ditch Repair [\$49 per m <sup>2</sup> ]	2 HMA + Partial Base Strengthening + Nominal Shoulder/Ditch Repair [\$49 per m <sup>2</sup> ]	60>GCR>=40
Reconstruction (REC)	PCI=100	2 HMA + Total Base Replacement + Nominal Shoulder/Ditch Repair [\$70 per m <sup>2</sup> ]	2 HMA + Total Base Replacement + Nominal Shoulder/Ditch Repair [\$70 per m <sup>2</sup> ]	2 HMA + Total Base Replacement + Nominal Shoulder/Ditch Repair [\$70 per m <sup>2</sup> ]	GCR<40

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# 4.2.5 Improvement Costs

General improvement benchmark unit costs (costs per square metre) are for budget planning purposes and have been based on recent costing experience for the applicable recommended improvement standard. Improvement projects are generally completed through a combination of day labour and equipment rental, where required, or through contract work. While these unit costs are considered sufficient for planning purposes, actual costs may vary according to the following factors:

- Site-specific requirements/constraints
- Fluctuations in input costs (such as the price of oil); and
- Budget constraints requiring consideration of lesser standards (such as maintaining vertical profiles to tolerable conditions, rather than design standards, or reducing overall improvements)

It is recommended that standards be reviewed on a project specific basis as budgets are established.

Benchmark improvement costs (per square metre) are outlined in Table 15 above as well as unit cost breakdowns in Appendix F and are based on recent data provided from the Township. The improvement types/costs consider surface types, traffic volumes, road conditions and roadside environments. Since the improvement benchmark costs are estimated on a square metre basis, the improvement costs for any particular road section will also capture individual road widths.

### 4.2.6 Improvement Prioritization

For the prioritization of the gravel upgrades proposed in this study, non-condition related triggers were used. Local Township staff knowledge regarding road functionality, stability (i.e., condition during freeze/thaw season), maintenance demand and drainage were used to determine the order of prioritization for upgrade of the Township's gravel roads.

If a road is determined to have a road width and/or platform width that is less than ideal, this road should be reviewed to determine if the current width is suitable for the current surface type and can wait for widening treatment until upgrade, or if it should be widened as soon as possible (i.e., a current gravel road has a road width that is less than the recommended minimum for gravel roads but given the site specific geometrics and traffic, the road width can continue to remain as is but will need to be widened prior to the road being upgraded to an asphalt surface).

# 4.2.7 Road Budget Consideration

The Township has adopted a policy to upgrade/pave all of the gravel roads in the network. As part of this policy, the township has allocated an annual budget for gravel

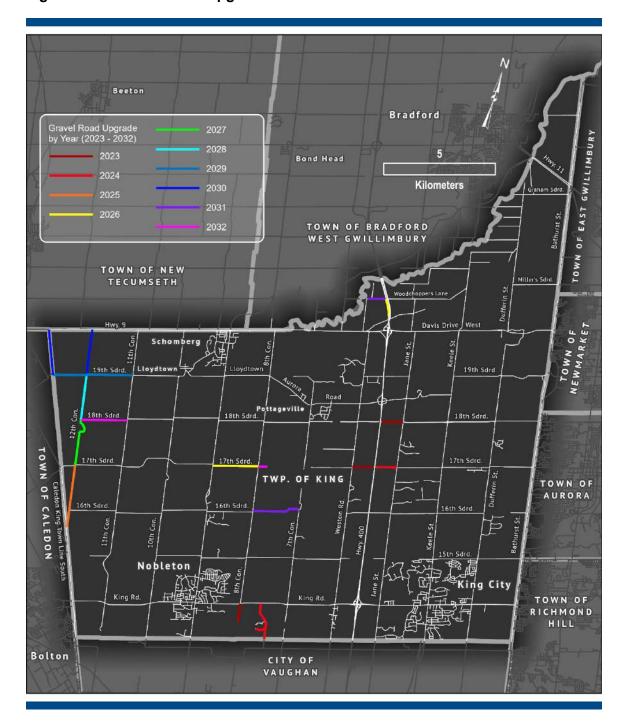
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road upgrade. Based on the 2022 and the 2023 Budget and Business Plan, the Township has allocated \$0.8 million per annum for gravel road conversion/paving.

### 4.2.8 Gravel Conversion Plan

A total of approximately 60.002 km of gravel roads was reviewed as part of this study. Since most of the Township's gravel roads are in good condition (GCR>60), the remaining roads were prioritized based on non-condition related triggers such as local knowledge of condition deterioration, maintenance demand and functionality as well as proximity to the surrounding hardtop network. Occasionally roads were not recommended for upgrading due to specific issues that may arise if the road is provided with a hard top surface. These issues could consist of significant horizontal/vertical alignment upgrading, roadside encroachment, as well as type of traffic utilizing the road. Providing a hardtop surface on roads where speeding is currently an issue, or the focus of a road is to serve access for local residents, upgrading to a hard top surface and attracting other network traffic would not be considered a benefit. Table 16 and Figure 30 below outline the proposed roads to be upgraded as part of the 10-year plan. A full spreadsheet version of the 10-year plan, along with an enlarged map can be found in Appendix G.

Figure 30: 10 Year Gravel Upgrade Plan



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**Table 16: Gravel Road Conversion 10 Year Plan** 

Municipal ID	Road Segment	Length (m)	Improvement Cost
Year 1 (2023)		•	1
ORRD-0016	17th Sideroad from Weston Road to East end	946	\$253,520.00
ORRD-0092	8th Concession from South end to King Road	799	\$194,960.00
ORRD-0239	18th Sideroad from Jane Street to West end	952	\$255,120.00
Year 1 Total (	km)	2.697	\$703,600.00
Year 2 (2024)			
ORRD-0175	Mill Road from King – Vaughn Boundary to Elmpine Trail	422	\$138,645.00
ORRD-0156	Mill Road from Elmpine Trail to Humber Trail	376	\$123,525.00
ORRD-0052	Mill Road from Humber Trail to King Road	900	\$295,650.00
ORRD-0144	Elmpine Trail from Mill Road to West end	487	\$97,400.00
ORRD-0251	17th Sideroad from Jane Street to West end	921	\$202,640.00
Year 2 Total (	km)	3.106	\$857,860.00
Year 3 (2025)			
ORRD-	12th Concession from 120 m N. of Caledon	823	\$270,360.00
0165.2	King Townline to 16th Sideroad		
ORRD-0212	12th Concession from 16th Sideroad to 17th Sideroad	2029	\$592,480.00
Year 3 Total (	km)	2.852	\$862,840.00
Year 4 (2026)		•	
ORRD-0196	17th Sideroad from 8th Concession to Highway 27	2042	\$547,240.00
ORRD- 0040.2	Davis Road from 160 m N. of South Canal Bank Road to 2nd Concession	794	\$282,285.00
Year 4 Total (	km)	2.836	\$829,525.00
Year 5 (2027)		•	1
ORRD-0147	12th Concession from 17th Sideroad to 1.5 km N. of 17th Sideroad	1504	\$493,320.00
ORRD-0081	12th Concession from 1.5 km N. of 17th Sideroad to 2.2 km N. of 17th Sideroad	660	\$216,480.00
ORRD-0062	12th Concession from 2.2 km N. of 17th Sideroad to 18th Sideroad	118	\$38,720.00
Year 5 Total (	2.282	\$748,520.00	
Year 6 (2028)			

Municipal	Road Segment	Length	Improvement
ID		(m)	Cost
ORRD-0207	12th Concession from 18th Sideroad to	2031	\$674,280.00
	19th Sideroad		
Year 6 Total (		2.031	\$674,280.00
Year 7 (2029)			
ORRD-0148	19th Sideroad from 12th Concession to	1505	\$439,480.00
	Caledon King Townline North		
ORRD-0209	19th Sideroad from 11th Concession to	2075	\$681,660.00
	12th Concession		
Year 7 Total (	km)	3.580	\$1,121,140.00
Year 8 (2030)			
ORRD-0119	12th Concession from 19th Sideroad to	2045	\$736,200.00
	Highway 9		
ORRD-0230	Caledon King Townline North from	51	\$8,680.00
	19th Sideroad to Halls Lake Sideroad		
ORRD-0077	Caledon King Townline North from Halls	1978	\$378,293.00
	Lake Sideroad to Highway 9		
Year 8 Total (	km)	4.074	\$1,123,173.00
Year 9 (2031)			
ORRD-0180	16th Sideroad from 7th Concession to	2113	\$694,125.00
	8th Concession		
ORRD-0160	2nd Concession from Davis Road to	631	\$212,985.00
	Hanemaayer Lane		
ORRD-0073	2nd Concession from Hanemaayer Lane to	205	\$69,210.00
	Holancin Road		
Year 9 Total (	km)	2.949	\$976,320.00
Year 10 (2032	,		
ORRD-0142	18 <sup>th</sup> Sideroad from 11 <sup>th</sup> Concession to 12 <sup>th</sup>	2083	\$766,560
	Concession		
ORRD-0267	17 <sup>th</sup> Sideroad from 8 <sup>th</sup> Concession to End	398	\$97,120
	(East)		
Year 10 Total	(km)	2.481	\$863,680.00

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Township of King Road Needs Study November 2022 (Revised June 2023)

# 5.0 Asset Management and Capital Planning Considerations

The needs outlined in this study are determined to be the current (2023) needs and are subject to ongoing deterioration. The current needs of the Township roads equate to \$26.5 million for hardtop and \$9.7 million to upgrade the remaining gravel roads. The current needs are subject to ongoing deterioration, which may require future improvements to be more extensive (i.e., a current resurface need with a PCI of 65 that is being pushed for 3 years until enough budget is available, might require rehabilitation in 3 years rather than resurfacing). If the Township's goal is to maintain a certain level of service and keep up with the road needs, the current budgets will need to be reviewed and increased to a level where the Township is comfortable with the expenditures and level of service for all the roads.

The previous Road Needs Studies have provided general considerations for establishing a capital improvement plan for the road network, based on the condition, needs, and other factors. As part of this study, a 10-year road improvement plan has been developed to assist the township in the development of a multi-year capital project plan. It is understood that the Township intends to use the updated condition rating data as input to their ongoing Asset Management and Capital Planning work. The updated GIS database, Excel spreadsheets and mapping will assist in this ongoing future work by the Township. Such future work may also require updating traffic data, confirming the maintenance / improvement needs and costs based on project-level review and completing a risk analysis to establish project priority within budget limitations.

To maintain a current database for asset management and capital planning purposes, it is recommended that the Township complete regular updates every 2 years to update the condition ratings of their road network, to assess ongoing deterioration rates and resulting improvement requirements.

The 2021 Asset Management Plan for the township presented a need to invest \$3.7M per year, on average, for all township road assets. The current allocation for maintenance is less than this amount, leaving a shortfall per year. Over time, this shortfall tends to increase disproportionately, as the deterioration of roads follows an increasing exponential deterioration curve (as opposed to linear) and the gap could increase to a point of never being able to "catch up". Therefore, it is recommended the township align its road maintenance needs with its Asset Management Plan to ensure an effective and efficient roadway network. To illustrate this point, a calculation of the actual road needs for the next five years versus the planned allocated budget reveals a need for approximately \$4.2 million versus the current allocation of \$2.52 million. This is also reflected in Appendix E where some roads requiring maintenance are not in the 10-year program, as those in the program reflect a greater need and are prioritized within the budget constraints that exist.

Township of King Road Needs Study November 2022 (Revised June 2023)





Source: King Township Asset Management Plan (2021)

Should the Township increase their annual road improvement budget to eliminate/keep up with the needs of the network, it is recommended that the Township adopt a life cycle approach to allocate budgets towards road improvement needs. Project improvements, using a lifecycle management approach may be prioritized using a Priority Guide Number (PGN). Burnside has slightly adjusted MTO's PGN formula, to reflect the condition rating methodologies developed for this study.

The PGN has built-in factors which account for asset management best practices, to strive to recommend the right treatment to the right road at the right time, based on where the road section lies within its life cycle. As described in this RNS, to be most cost-effective, timely expenditures should be made using routine maintenance, preventive maintenance, and resurfacing treatments, rather than allowing further degradation requiring much more costly rehabilitation or reconstruction treatments.

Township of King Road Needs Study November 2022 (Revised June 2023)

The PGN formula used in this RNS is as follows:

$$PGN = \frac{(100 - \text{Condition Rating}) * \text{TF} * \text{LCF}}{10000 * Road Width * (cost per square metre)}$$

#### where:

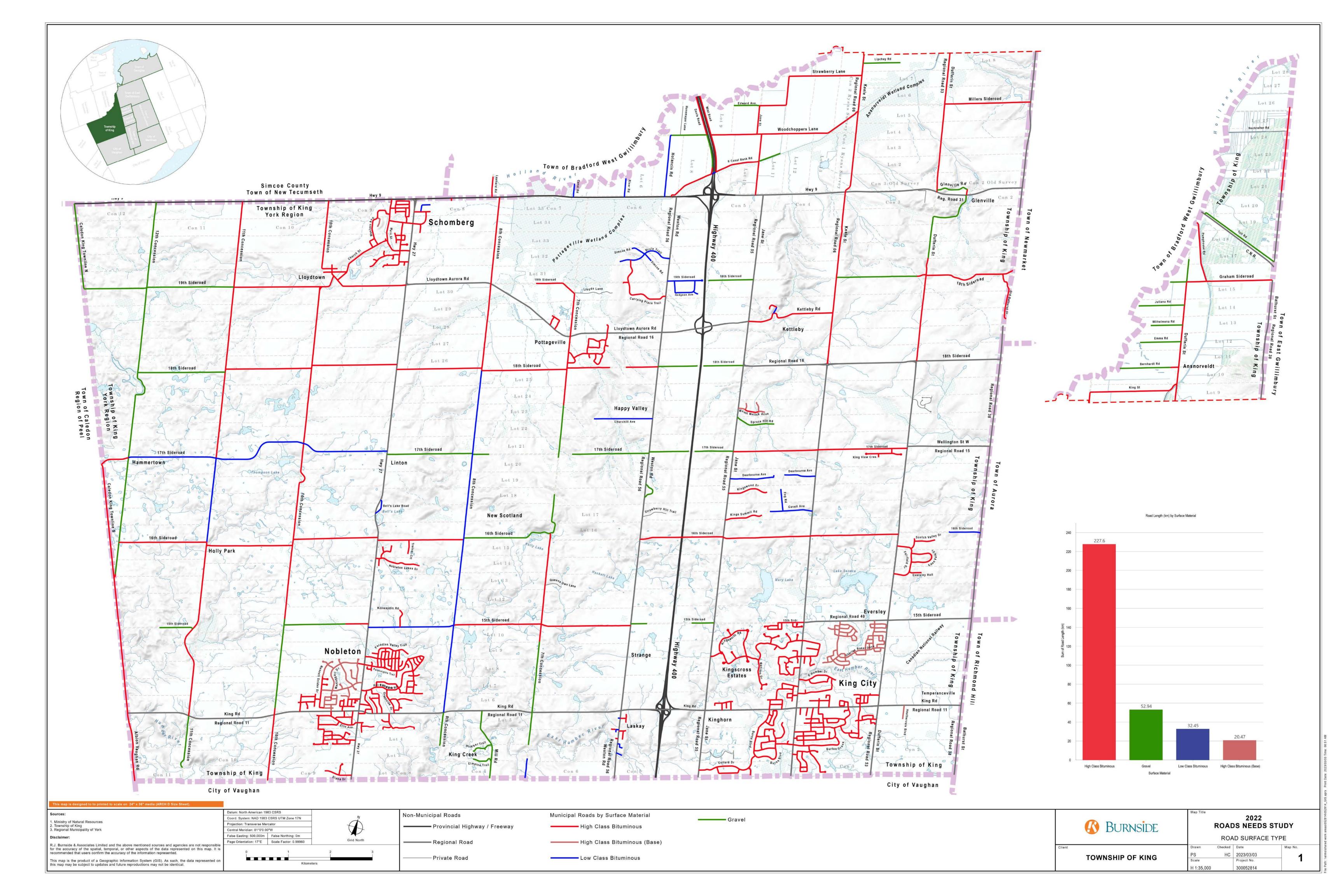
- PGN is the Priority Guide Number
- Condition Rating is the Pavement Condition Index of the selected road segment
- TF is the Traffic Factor, which is an estimate of the traffic served over the life cycle of the improvement based on the warranted improvement type, the existing AADT and the 10-year projected AADT presented in Table 1 and is as follows:
  - routine maintenance TF = (Existing AADT + Yr. 10 AADT) x 0.38
  - preventive maintenance TF = (Existing AADT + Yr. 10 AADT) x 0.42
  - resurfacing TF = (Existing AADT + Yr. 10 AADT) x 0.5
  - rehabilitation or reconstruction TF = Yr. 10 AADT
- LCF is the Life Cycle Factor, which is the typical number of days that is assumed to be added to the pavement life as a result of the treatment, as follows:
  - 0 for routine maintenance treatments
  - 1095 for preventive maintenance treatments
  - 3650 for or resurfacing treatments
  - 7300 for rehabilitation and reconstruction treatments
- Road Width is the surface width of a given road section (in metres)

The higher the PGN value, the higher the priority of the road section improvement relative to its condition, the traffic it is serving and the cost of improving the section to provide the most service to traffic for the dollar expended. This provides a measure of comparison between improvement requirements of any road section relative to other road sections. The PGN value is summarized in Appendix A.



# Appendix A

# **Road Inventory Maps and Table**



Appendix A - Road Inventory Database (Sorted by Road Name

icipal ID Previous	Name	Name From	Name To	Community	Boundary Maintenance			osted Speed	AADT	AADT	Road Length	Road Width	Platform Width	Surface Area	OSIM Culverts/Bridges
RD-0042 135	10th Concession	17th Sideroad	18th Sideroad	King Twp. (Rural)	Road Class No 4	High Class Bituminous	Rural	Limit (km/h) 80 km/h	Range 00050-00199	113	(m) 1802	(m) 6.00	(m) 7.90	(m² calc.) 10812	Structure 0219 & 0317
RD-0046 136	10th Concession	18th Sideroad	18th Sideroad	King Twp. (Rural)	No 4	High Class Bituminous	Rural	80 km/h	00050-00199	165	71	6.50	7.90	462	Structure 0221
RD-0051 225 RD-0103 351	10th Concession 10th Concession	Huntington Road 16th Sideroad	King Road 2.06km N. of 16th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	00400-00999	782 171	1574 2061	6.70 5.70	8.00 6.70	10546 11748	
RD-0161 0 RD-0174 223	10th Concession 10th Concession	18th Sideroad Queen Street	19th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	00050-00199	165 242	2000 1610	6.50 7.20	7.90 8.90	13000 11592	
RD-0187 9	10th Concession	2.06km N. of 16th Sideroad	Highway 9 17th Sideroad	King Twp. (Rural)	No 5	High Class Bituminous	Rural	60 km/h	00050-00199	171	338	5.70	6.70	1927	
D-0225.1 183 D-0225.2 0	10th Concession 10th Concession	15th Sideroad 90m N. of 15th Sideroad	90m N. of 15th Sideroad 16th Sideroad	King Twp. (Rural) King Twp. (Rural)	Not Recorded 5 No 5	Gravel High Class Bituminous	Rural	60 km/h 60 km/h	00200-00399	220	142 1756	8.20 6.00	9.00 7.90	1278 10536	
RD-0229 0	10th Concession	16th Sideroad	16th Sideroad	King Twp. (Rural)	No 5	High Class Bituminous	Rural	60 km/h	00200-00399	265 265	147	6.00	7.90	882	
ID-0256.1 181 ID-0256.2 181	10th Concession 10th Concession	King Road 145m N. of King Road	145m N. of King Road 165m S. of 15th Sideroad	King Twp. (Rural) King Twp. (Rural)	Not Recorded 4 No 5	High Class Bituminous Gravel	Rural Rural	60 km/h 50 km/h	00400-00999	527 436	157 1834	7.00 6.50	9.00 7.90	1099 14489	
RD-0257 306 RD-0026 193	10th Concession	165m S. of 15th Sideroad	15th Sideroad	King Twp. (Rural)	No 5	Gravel High Class Bituminous	Rural	60 km/h	00400-00999	436 1903	166 1967	6.50 6.50	7.90 9.00	1311 12786	
RD-0033 169	11th Concession 11th Concession	18th Sideroad 16th Sideroad	19th Sideroad 16th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	High Class Bituminous	Rural	60 km/h 50 km/h	01000-01999	1534	79	6.50	10.30 10.30	514	
RD-0034 111 RD-0053 75	11th Concession 11th Concession	15th Sideroad 16th Sideroad	240m N. of 15th Sideroad 17th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous Low Class Bituminous	Rural Rural	60 km/h 40 km/h	00400-00999	402 1534	235 2012	6.50 6.70	10.30 8.50	1528 13480	
RD-0067 241	11th Concession	King Road	End (South)	King Twp. (Rural)	No 4	Gravel	Rural	80 km/h	00050-00199	61	1284	5.70	6.70	8603	
RD-0101 177 RD-0102 185	11th Concession 11th Concession	240m N. of 15th Sideroad 19th Sideroad	16th Sideroad Highway 9	King Twp. (Rural) King Twp. (Rural)	No 5 No 4	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	00400-00999 01000-01999	402 1526	1801 2045	6.50 8.70	10.30 10.10	11707 17791	Structure 0222, 0323 & 0335
RD-0136 137	11th Concession	1.3km N. of King Road	15th Sideroad	King Twp. (Rural)	No 5	High Class Bituminous	Rural	60 km/h	00050-00199	152	921	6.30	8.50	5802	Structure 0321 & 0322
RD-0151 215 RD-0199 0	11th Concession 11th Concession	18th Sideroad King Road	18th Sideroad 1.3km N. of King Road	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	01000-01999	1903	71 1273	6.50 6.30	9.00 8.50	462 8020	
RD-0268 173 RD-0270 175	11th Concession 11th Concession	17th Sideroad 0.8km N. of 17th Sideroad	0.8km N. of 17th Sideroad 18th Sideroad	King Twp. (Rural)	No 4 No 4	High Class Bituminous	Rural Rural	60 km/h	01000-01999	1709 1709	787 1272	6.70 6.50	9.10 9.00	5273 8268	
RD-0062 93	12th Concession	2.2km N. of 17th Sideroad	2.3km N. of 17th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 5	High Class Bituminous Gravel	Rural	60 km/h 60 km/h	00050-00199	127	118	7.20	8.20	968	Structure 0215 & 0313
RD-0081 99 RD-0119 335	12th Concession 12th Concession	1.5km N. of 17th Sideroad 19th Sideroad	2.2km N. of 17th Sideroad Highway 9	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	Gravel Gravel	Rural Rural	60 km/h 60 km/h	00050-00199 00050-00199	127 173	660 2045	7.20 9.00	8.20 9.00	5412 18405	
RD-0147 141	12th Concession	17th Sideroad	1.5km N. of 17th Sideroad	King Twp. (Rural)	No 5	Gravel	Rural	60 km/h	00050-00199	127	1504	7.20	8.20	12333	
ID-0165.1 153 ID-0165.2 16	12th Concession 12th Concession	Caledon King Townline 120m N. of Caledon King Townline	120m N. of Caledon King Townline 16th Sideroad	King Twp. (Rural) King Twp. (Rural)	Not Recorded 5 No 3	High Class Bituminous Gravel	Rural Rural	60 km/h 80 km/h	00400-00999	430 517	85 823	6.40	7.80 7.30	544 6008	Structure 0304
RD-0207 55	12th Concession	18th Sideroad	19th Sideroad	King Twp. (Rural)	No 5	Gravel Gravel	Rural	60 km/h	00200-00399	384	2031 2029	7.50	8.30	16857	
RD-0212 0 RD-0194 5	12th Concession 15th Sideroad	16th Sideroad Keele Street	17th Sideroad Cairns Gate	King Twp. (Rural) King City	No 4 No 5	High Class Bituminous	Rural Rural	80 km/h 40 km/h	00200-00399	384 519	266	6.00 7.00	7.30 8.90	14812 1862	
RD-0195 5	15th Sideroad	Cairns Gate	Elmers Lane	King City	No 5	High Class Bituminous	Rural	40 km/h	00400-00999	519	265	7.00	8.90	1855	
RD-0200 5 RD-0013 263	15th Sideroad 15th Sideroad	Elmers Lane 0.55km E. of Highway 27	Lake Marie Trail 10th Concession	King City King Twp. (Rural)	No 5 No 5	High Class Bituminous Gravel	Rural Rural	40 km/h 60 km/h	00400-00999 00050-00199	519 108	78 1465	7.00 6.30	8.90 7.30	546 10695	
D-0061 157 D-0075 149	15th Sideroad 15th Sideroad	0.53km East of Weston Road 260m East of 7th Concession	1.8km East of Weston Road 8th Concession	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	00400-00999	599 266	1225 1823	7.20 7.00	8.50 8.50	8820 12761	
RD-0089 49	15th Sideroad	11th Concession	End (West)	King Twp. (Rural)	No 6	Gravel	Rural	80 km/h	00000-00049	32	804	5.10	6.10	4904	
RD-0097 195 RD-0099 241	15th Sideroad 15th Sideroad	Jane Street 8th Concession	End (West) Keewaydin Road	King Twp. (Rural) King Twp. (Rural)	No 6 No 4	Gravel Low Class Bituminous	Rural Rural	80 km/h 60 km/h	00000-00049	17 727	536 1286	6.00 6.40	6.10 8.20	3270 8230	·
RD-0166 233	15th Sideroad	Keewaydin Road	Highway 27	King Twp. (Rural)	No 5	Low Class Bituminous	Rural	50 km/h	00400-00999	727	760	6.00	9.95	4560	Structure 0205, 0206, 0207 & 0
RD-0188 213 RD-0260 239	15th Sideroad 15th Sideroad	Weston Road Highway 27	End (East) 0.55km E. of Highway 27	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	Gravel High Class Bituminous	Rural Rural	80 km/h 60 km/h	00050-00199	186 108	388 547	5.10 6.30	6.10 7.30	2367 3446	Structure 0302
RD-0272 12	15th Sideroad	1.8km East of Weston Road	7th Concession	King Twp. (Rural)	No 4	High Class Bituminous	Rural	60 km/h	00400-00999	599	382	6.30 7.20	8.50	2750	
RD-0273 10 RD-0276 13	15th Sideroad 15th Sideroad	Weston Road 7th Concession	0.53km East of Weston Road 260m East of 7th Concession	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	00400-00999	599 266	529 263	7.60 7.20	11.00 8.50	4020 1894	
D-0007 133	16th Sideroad	Highway 27	10th Concession	King Twp. (Rural)	No 5 No 5	High Class Bituminous	Rural Rural	60 km/h	00050-00199	72 443	2016 1306	7.00 6.50	8.50 8.50	14112 8489	
D-0056 54	16th Sideroad 16th Sideroad	8th Concession  Jane Street	Trainor Court Highway 400 Overpass	King Twp. (Rural) King Twp. (Rural)	No 5	High Class Bituminous High Class Bituminous	Rural	60 km/h 50 km/h	00400-00999	1145	983	6.40	8.00	6291	
	16th Sideroad 16th Sideroad	10th Concession	11th Concession End (West)	King Twp. (Rural)	No 4	High Class Bituminous Low Class Bituminous	Rural	60 km/h	00400-00999	515	2048	7.40	9.40	15155	
D-0130 129 D-0178 324	16th Sideroad	Bathurst Street Trainor Court	Highway 27	King Twp. (Rural) King Twp. (Rural)	No 6 No 5	High Class Bituminous	Rural Rural	40 km/h 60 km/h	00400-00999	25 443	753 743	5.00 6.50	6.00 8.50	3765 4830	
RD-0180 113 RD-0191 201	16th Sideroad 16th Sideroad	7th Concession Keele Street	8th Concession Jane Street	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	Gravel High Class Bituminous	Rural Rural	60 km/h 40 km/h	00400-00999	444 696	2113 2082	6.00	7.30 8.90	15425 13741	
tD-0222 39	16th Sideroad	Dufferin Street	Keele Street	King Twp. (Rural)	No 6	High Class Bituminous	Rural	40 km/h	00400-00999	437	2103	7.20	9.80	15142	Structure 0308
RD-0223 211 RD-0236 331	16th Sideroad 16th Sideroad	11th Concession Highway 400 Overpass	12th Concession Weston Road	King Twp. (Rural) King Twp. (Rural)	No 4 No 4	High Class Bituminous High Class Bituminous	Rural	60 km/h 60 km/h	00400-00999	557 1145	2093 1004	7.20 6.70	9.70	15070 6727	
RD-0016 294	17th Sideroad	Weston Road	End (East)	King Twp. (Rural)	No 4	Gravel	Rural	80 km/h	00050-00199	194	946	5.70	6.70	6338	
RD-0024 33 RD-0039 283	17th Sideroad 17th Sideroad	10th Concession Highway 27	1.4km W. of 10th Concession 10th Concession	King Twp. (Rural) King Twp. (Rural)	No 4 No 3	Low Class Bituminous Low Class Bituminous	Rural Rural	60 km/h 60 km/h	02000-02999	2898 3000	1441 2053	8.70 6.70	8.50 8.50	12537 13755	
RD-0055 29 RD-0125 237	17th Sideroad 17th Sideroad	12th Concession	Caledon King Town Line South Keele Street	King Twp. (Rural)	No 5 No 3	High Class Bituminous	Rural Rural	60 km/h 60 km/h	00050-00199	123 5727	687 1338	6.50 6.70	8.70 9.50	4466 8965	
tD-0153 339	17th Sideroad	420m W. of King View Crescent 11th Concession	12th Concession	King Twp. (Rural) King Twp. (Rural)	No 4	High Class Bituminous Low Class Bituminous	Rural	60 km/h	02000-02999	2743		8.70	8.50	18183	
RD-0157 123 RD-0196 130	17th Sideroad 17th Sideroad	1.4km W. of 10th Concession	11th Concession Highway 27	King Twp. (Rural)	No 4 No 5	Low Class Bituminous	Rural Rural	60 km/h 60 km/h	02000-02999	2898 357	2090 839 2042	8.70 5.70	8.50	7299 13681	
D-0208 139	17th Sideroad	8th Concession Dufferin Street	King View Crescent	King Twp. (Rural) King Twp. (Rural)	No 3	Gravel High Class Bituminous	Rural	60 km/h	00200-00399 05000-05999	5727	367	6.70	6.70 8.50	2459	Structure 0324
ID-0232 92 ID-0251 57	17th Sideroad 17th Sideroad	Weston Road Jane Street	End (East) End (West)	King Twp. (Rural) King Twp. (Rural)	No 6 No 4	Gravel Gravel	Rural Rural	80 km/h 80 km/h	00000-00049	32 245	1834 921	4.50 4.50	5.50 5.50	10087 5066	Structure 0314
D-0252 4020	17th Sideroad	Keele Street	Jane Street	King Twp. (Rural)	No 3	High Class Bituminous	Rural	60 km/h	06000-07999	6380	2020	6.70	9.50	13534	
D-0264 337 D-0267 65	17th Sideroad 17th Sideroad	King View Crescent 8th Concession	420m W. of King View Crescent End (East)	King Twp. (Rural) King Twp. (Rural)	No 3 No 5	High Class Bituminous Gravel	Rural Rural	60 km/h 60 km/h	05000-05999	5727 159	422 398	6.70 5.10	8.50 6.10	2827 2428	
ID-0063 272	18th Sideroad	7th Concession	8th Concession	King Twp. (Rural)	No 5	High Class Bituminous	Rural	60 km/h	00050-00199	152	2029 2049	6.00	10.40	12174	
D-0082 273 D-0117 0	18th Sideroad 18th Sideroad	10th Concession Weston Road	11th Concession End (East)	King Twp. (Rural) King Twp. (Rural)	No 5 No 6	High Class Bituminous Gravel	Rural Rural		00050-00199	86 49	942	6.00	7.90 7.30	12294 6877	Structure 0003
D-0129 21	18th Sideroad	8th Concession	Highway 27	King Twp. (Rural)	No 4	High Class Bituminous	Rural	80 km/h	00200-00399	267	2037	6.00	7.90	12222	
D-0142 111 D-0168 197	18th Sideroad 18th Sideroad	11th Concession Highway 27	12th Concession 10th Concession	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	Gravel High Class Bituminous	Rural Rural	60 km/h 60 km/h	00050-00199	127 330	2083 2028	7.40 6.00	9.20 8.50	19164 12168	
D-0218 193 D-0233 347	18th Sideroad 18th Sideroad	Weston Road 380m E. of 7th Concession	End (West) End (East)	King Twp. (Rural)	No 6 No 4	High Class Bituminous High Class Bituminous	Rural Rural	40 km/h 80 km/h	00000-00049	32 223	768	6.00 6.00	7.30 7.00	4608	
D-0239 4020	18th Sideroad	Jane Street	End (West)	King Twp. (Rural) King Twp. (Rural)	No 4	Gravel	Rural	80 km/h	00200-00399 00050-00199	82	655 952	5.70	6.70	3930 6378	
D-0263 55 D-0002 207	18th Sideroad 19th Sideroad	7th Concession End (Cul-de-Sac)	380m E. of 7th Concession Hodgson Avenue	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous S Low Class Bituminous	Semi-Urban Rural	60 km/h 50 km/h	00050-00199	197 251	371 228	6.70 6.70	8.10 7.90	2486 1528	<u> </u>
0-0012 17	19th Sideroad	King - Newmarket Boundary	Old Bathurst Street	King Twp. (Rural)	No 5	High Class Bituminous	Rural	40 km/h	01000-01999	1350	259	7.10	9.10	1839	
I-0036 269 I-0047 123	19th Sideroad 19th Sideroad	1.35km W. of Old Bathurst Street Little Rebel Road	Dufferin Street 10th Concession	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous High Class Bituminous	Rural Rural	40 km/h 50 km/h	01000-01999	1350 671	543 196	7.10 6.00	9.10 8.00	3855 1176	
1-0071 279	19th Sideroad	7th Concession	End (West)	King Twp. (Rural)	No 6	High Class Bituminous	Rural	50 km/h	00000-00049	49	635	6.00	7.30	3810	
I-0105 355 I-0109 37	19th Sideroad 19th Sideroad	Hodgson Avenue Hodgson Avenue	Hodgson Avenue Weston Road	King Twp. (Rural) King Twp. (Rural)	No 6 No 5	Low Class Bituminous Low Class Bituminous	Rural Rural	40 km/h 50 km/h	00400-00999	440 244	489 167	6.70 5.00	7.90 6.00	3276 835	Structure 0307
0-0133 79	19th Sideroad	Hodgson Avenue 630m W. of Old Bathurst Street	1.35km W. of Old Bathurst Street	King Twp. (Rural)	No 5	High Class Bituminous	Rural	30 km/h	01000-01999	1350	717	7.10	9.10	5091	
D-0137 313 D-0143 227	19th Sideroad 19th Sideroad	10th Concession Old Bathurst Street	11th Concession 630m W. of Old Bathurst Street	King Twp. (Rural) King Twp. (Rural)	No 4 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 40 km/h	01000-01999	1350 1350	2049 630	6.00 7.10	8.00 9.10	12294 4473	
0-0148 305	19th Sideroad	12th Concession	Caledon King Town Line North	King Twp. (Rural)	No 5	Gravel	Rural	60 km/h	00050-00199	148	1505	7.30	7.30	10987	
0181.1 113 0181.2 42	19th Sideroad 19th Sideroad	230m W. of Dufferin Street  Dufferin Street	1.86km W. of Dufferin Street 230m W. of Dufferin Street	King Twp. (Rural) King Twp. (Rural)	No 4 No 4	Gravel High Class Bituminous	Rural Rural	60 km/h 60 km/h	00400-00999	865 865	1635 227	6.30 6.30	7.30 7.30	11936 1430	
I-0209 333 I-0238 85	19th Sideroad 19th Sideroad	11th Concession Jane Street	12th Concession End (West)	King Twp. (Rural)	No 5 No 6	Gravel Gravel	Rural Rural	60 km/h	00400-00999	425 32	2075 1074	6.00	7.30 7.30	15148 7840	
I-0238 85 I-0269 115	19th Sideroad 19th Sideroad	Jane Street 1.86km W. of Dufferin Street	End (West) Keele Street	King Twp. (Rural) King Twp. (Rural)	No 6 No 4	Gravel Gravel	Rural	60 km/h	00000-00049	32 865		5.10	7.30 6.10		
0-0073 349 0-0160 189	2nd Concession	Hanemaayer Lane	Holancin Road	King Twp. (Rural) King Twp. (Rural)	No 4	Gravel	Rural Rural	80 km/h	00400-00999	421	282 205 631	6.00 6.00	7.50 7.50	1720 1538 4733	Structure 0220
0-0005 237	2nd Concession 7th Concession	Davis Road 0.86km S. of 18th Sideroad	Hanemaayer Lane End (South)	King Twp. (Rural)	No 4 No 5	Gravel Gravel	Rural	80 km/h 60 km/h	00200-00399	421 216	1256	6.00	9.10	11430	Structure 0320 Structure 0023
D-0006 36 D-0018 0	7th Concession 7th Concession	Lloydtown/Aurora Road Pine Valley Drive	Lloyd's Lane End (North)	Pottageville	No 5	High Class Bituminous Low Class Bituminous	Rural	50 km/h 50 km/h	00400-00999	727 32	1023 466	5.10 6.70	6.10 7.50	5217 3122	
0-0018 0 0-0030 343	7th Concession 7th Concession	Pine Valley Drive Queen's Own Lane	End (North) 1.08km N. of Queen's Own Lane	King Twp. (Rural) King Twp. (Rural)	No 6 No 5	High Class Bituminous	Rural	50 km/h 60 km/h	00000-00049	32 365	466 1079	7.20	7.50 8.80	7769	
0-0070 245	7th Concession	Bachly Crescent	Lloydtown/Aurora Road	Pottageville	No 5	High Class Bituminous S	Semi-Urban	50 km/h	00400-00999	983	384	7.00 7.00	9.40	2688	
0-0100 169	7th Concession 7th Concession	18th Sideroad 18th Sideroad	Bachly Crescent 18th Sideroad	Pottageville King Twp. (Rural)	No 5 No 5	High Class Bituminous S High Class Bituminous S	Semi-Urban	50 km/h	00400-00999 00400-00999	983 983	121 36	7.00	9.40 9.40	847 252	Structure 0306
-0126 235	7th Concession	16th Sideroad	End (North) 16th Sideroad	King Twp. (Rural)	No 4	Gravel	Rural	80 km/h	00050-00199	126	1042 173	5.10	6.10	6356	
0-0145 157	7th Concession 7th Concession	1.08km N. of Queen's Own Lane King Road	End (South)	King Twp. (Rural) King Twp. (Rural)	No 4 No 6	High Class Bituminous Gravel	Rural	80 km/h	00400-00999	596 32	781	7.20 5.70	8.80 6.70	1246 5233	
D-0155 225 -0167 1 233	7th Concession	Lloyd's Lane	19th Sideroad	King Twp. (Rural)	No 6 No 4	High Class Bituminous Gravel	Rural	50 km/h	00050-00199	126 365	376 1703	5.10	6.10 8.50	1918 14476	Structure 0001
-0167.1 233 -0167.2 97	7th Concession 7th Concession	King Road 2.1km N. of King Road	2.1km N. of King Road 15th Sideroad	King Twp. (Rural) King Twp. (Rural)		Gravel High Class Bituminous	Rural Rural	80 km/h 80 km/h	00200-00399 00200-00399		409	7.00	8.50 9.00	2863	Structure 0311
D-0221 23 D-0241 48	7th Concession	15th Sideroad Bachly Crescent	Queen's Own Lane Bachly Crescent	King Twp. (Rural) Pottageville	No 5 No 5	High Class Bituminous	Rural Semi-Urban	60 km/h 50 km/h	00200-00399	365 983	927 250	7.20 7.00	8.80 9.40	6674 1750	
D-0261 299	7th Concession 7th Concession	18th Sideroad	0.86km S. of 18th Sideroad	King Twp. (Rural)	No 5	High Class Bituminous	Rural	60 km/h	00200-00399	216	855	6.00	9.10	5130	
D-0032 169	8th Concession	16th Sideroad	16th Sideroad Highway 9	King Twp. (Rural) King Twp. (Rural)	No 4	Low Class Bituminous	Rural Rural	60 km/h	00400-00999 00400-00999	841	38 2077	7.90 7.00	9.20 9.00	300 14539	Structure 0014

Appendix A - Road Inventory Database (Sorted by Road Name

ID Previous RNS ID	Name 8th Concession	Name From End (South)	Name To King Road	Community King Twp. (Rural)	Road Class	Surface Material Gravel	Roadside Environment Rural	Posted Speed Limit (km/h) 40 km/h	Range	<b>AADT</b> 170	Road Length (m) 799	Road Width (m) 5.10	Platform Width   Surface Area (m) (m² calc.)   6.10   4874	OSIM Culverts/Bridg
4 127	8th Concession	18th Sideroad	18th Sideroad	King Twp. (Rural)	No 4	High Class Bituminous	Rural	60 km/h	00050-00199	666	60	6.70	402	
52 73 59 279	8th Concession 8th Concession	16th Sideroad 17th Sideroad	17th Sideroad 18th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	Low Class Bituminous Low Class Bituminous	Rural Rural	60 km/h 60 km/h	00050-00199	114 145	2004 1987	6.70 6.70	8.50 13427 8.50 13313	
15 295	8th Concession	18th Sideroad	1.7km N. of 18th Sideroad	King Twp. (Rural)	No 4	High Class Bituminous	Rural	60 km/h	01000-01999	1293	1705	6.10	8.10 10400	
9 297 4 277	8th Concession 8th Concession	15th Sideroad 17th Sideroad	16th Sideroad 17th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 4 No 4	Low Class Bituminous Low Class Bituminous	Rural Semi-Urban	60 km/h 60 km/h	01000-01999	1010	2054 19	6.50 6.70	8.50 13351 8.50 127	
24 183 '1 219	8th Concession 8th Concession	King Road 1.7km N. of 18th Sideroad	15th Sideroad Lloydtown/Aurora Road	King Twp. (Rural) King Twp. (Rural)	No 4 No 4	Low Class Bituminous High Class Bituminous	Rural Rural	60 km/h 60 km/h	00400-00999	948 1293	2092 310	6.50 6.70	8.50 13598 8.50 2077	
15 0	Adelia Place	Nicort Road	End (Cul-de-Sac)	King City	No 5	High Class Bituminous	Urban	50 km/h	00200-00399	341	84	8.00	672	
8 291 '0 0	Aileen Avenue Albert Hill Court	Edward Avenue Macmurchy Avenue	Strawberry Lane End (Cul-de-Sac)	King Twp. (Rural) Nobleton	No 4 No 6	High Class Bituminous High Class Bituminous	Rural Urban	60 km/h 40 km/h	00400-00999	587 160	702 159	6.70 8.50	7.90 4703 1352	
9 261	Albion Vaughan Road	Queensgate Blvd.	340m N. of Queensgate Blvd.	King Twp. (Rural)	Yes 2	High Class Bituminous	Semi-Urban	80 km/h	10000-11999	10467	336	7.00	2352	Structure 0315
8 163	Albion Vaughan Road Albion Vaughan Road	72m N. of Old King Road Old King Road	Caledon King Town Line South 72m N. of Old King Road	King Twp. (Rural) King Twp. (Rural)	Yes 3 Yes 2	High Class Bituminous High Class Bituminous	Urban Urban	60 km/h 80 km/h	10000-11999	10467 10467	175 71	6.00 6.80	1050 483	
309	Albion Vaughan Road	Queensgate Blvd.	King/Vaughan Boundary	King Twp. (Rural)	Yes 3	High Class Bituminous	Rural	60 km/h	10000-11999	10467	204	7.30	1489	Structure 0011
26 0 18 1191	Albion Vaughan Road Alex Campbell Crescent	340m N. of Queensgate Blvd. Alex Campbell Crescent (Loop)	Old King Rd. King Road	King Twp. (Rural) King City	Yes 2 No 5	High Class Bituminous High Class Bituminous	Urban Urban	80 km/h 40 km/h	00400-00999	900	852 447	7.30 8.00	8.60 3576	
9 1191 9 2131	Alex Campbell Crescent Anderson Cove Trail	King Road Fairmont Ridge Trail	Alex Campbell Crescent (Loop) Paradise Valley Trail	King City Nobleton	No 5 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 50 km/h	00400-00999	900 458	190 182	8.00 8.70	8.60 1520 8.70 1583	
6 2131	Anderson Cove Trail	Parkheights Trail	Fairmont Ridge Trail	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00400-00999	458	293	8.70	8.70 2549	
12 4005	Archibald Road Archibald Road	235m W. of Cutting Crescent Cook Drive	Cutting Crescent	Pottageville Pottageville	No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00050-00199	108	213	8.50	8.50 1811	
6 4005	Archibald Road	Cutting Crescent	Cutting Crescent Cook Drive	Pottageville	No 5 No 6	High Class Bituminous	Urban	40 km/h	00050-00199	563 108	169 165	8.50 8.50	8.50 1437 8.50 1403	
0 4004 9 4012	Archibald Road Armstrong Crescent	Cutting Crescent Cook Drive	235m W. of Cutting Crescent Cook Drive	Pottageville Pottageville	No 5 No 6	High Class Bituminous High Class Bituminous	Urban Urban	50 km/h 40 km/h	00400-00999	563 228	234 598	8.50 8.50	8.50 1989 8.50 5083	
0 0	Aspen King Court	Skyline Trail	End (Cul-de-Sac)	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00050-00199	66	156	8.00	1248	
3 1114 7 0	Aukland Lane Austin Rumble Court	Britnell Court Richard Serra Court	End (Cul-de-Sac) End (Cul-de-Sac)	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00050-00199	171 167	246 751	8.00 8.00	8.50 1968 6008	
1 0	Austin Rumble Court	Burton Grove	Richard Serra Court	King City	No 6	High Class Bituminous	Urban	40 km/h	00050-00199	167	139	8.00	1112	
11 4018 2 4018	Bachly Crescent Bachly Crescent	Cook Drive 7th Concession	7th Concession Cook Drive	Pottageville Pottageville	No 6 No 6	High Class Bituminous High Class Bituminous	Semi-Urban Semi-Urban	40 km/h 40 km/h	00050-00199	126 126	188 283	6.00	8.00 1128 8.00 1698	
19 0	Ballard Drive	Larkin Avenue	Oliver Emmerson Avenue	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	302	101	8.50	859	
0 4 1052	Ballard Drive Banner Lane	Oliver Emmerson Avenue Warren Road	Wilkie Avenue Elizabeth Grove	Nobleton King City	No 6 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	302 532	273 342	8.50 8.50	2321 8.50 2907	
3 1050 6 0	Banner Lane Banner Lane	330m S. of King Road Bennet Drive	Bennet Drive	King City	No 5 No 5	High Class Bituminous	Rural Semi-Urban	40 km/h 40 km/h	00400-00999	555 555	31 104	7.80 7.20	9.90 242 9.40 749	
7 0	Banner Lane	Kingslynn Drive	Kingslynn Drive Warren Road	King City King City	No 5	High Class Bituminous High Class Bituminous	Urban	40 km/h	00400-00999	555	107	8.00	856	
9 1048	Banner Lane	King Road	30m S. of King Road	King City	No 5	High Class Bituminous	Urban	40 km/h	01000-01999	1403	27	8.00	8.50 216	
2 1050 9 0	Banner Lane Basil Ridge Court	30m S. of King Road Lavender Valley Road	330m S. of King Road End (Cul-de-Sac)	King City King City	No 5 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	592 243	300 67	8.00 8.00	10.50 2400 536	
0 11 4 349	Bathurst Street Bathurst Street	Hochreiter Road Queensville Sideroad West	King - Bradford Boundary Hochreiter Road	King Twp. (Rural) King Twp. (Rural)	Yes 5 Yes 5	High Class Bituminous High Class Bituminous	Rural Rural	50 km/h 50 km/h	01000-01999	1161 1161	576 1443	6.50 6.50	8.50 3744 8.50 9380	Structure 0204
7 89	Bell's Lake Road	Highway 27	Highway 27	King Twp. (Rural)	No 5	Low Class Bituminous	Rural	40 km/h	00400-00999	827	390	6.70	2613	
5 3075 0 0	Ben Boy Avenue Ben Boy Avenue	Rose Cottage Lane Main Street	Waterlily Trail Dufferin Vista Court	Schomberg Schomberg	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	398 329	83 123	8.70 8.70	8.70 722 1070	
9 3075	Ben Boy Avenue	Dufferin Vista Court	Rose Cottage Lane	Schomberg	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	398	248	8.70	8.70 2158	
7 1042 8 1038	Bennet Drive Bennet Drive	Banner Lane Forde Crescent	Forde Crescent Warren Road	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Semi-Urban Urban	40 km/h 40 km/h	00200-00399	307	90 142	7.00 8.00	10.00 630 8.50 1136	
1 1038	Bennet Drive	190m E. of Forde Crescent	Forde Crescent (East Intersection)	King City	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	307	102	8.00	8.50 816	
5 1040 i.1 327	Bennet Drive Bernhardt Road	Forde Crescent (West Intersection)  Dufferin Street	190m E. of Forde Crescent 200m W. of Dufferin Street	King City Ansnorvelt	No 6 No -1	High Class Bituminous High Class Bituminous	Semi-Urban Rural	40 km/h Not Recorded	00200-00399	307	190 196	7.20 5.70	9.90 1368 6.70 1117	
3.2 327.2	Bernhardt Road	200m W. of Dufferin Street	End (West)	Ansnorvelt	No -1	Gravel	Rural	Not Recorded	00200-00399	308 308	1206	5.70 5.70	6.70 8080	
3 0 3 2128	Bighorn Trail Black Duck Trail	Coastal Trail Black Duck Trail (Traffic Circle)	Black Tusk Trail Paradise Valley Trail	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	458 329	253 181	8.70 8.70	2201 8.70 1575	
4 2127 5 2127	Black Duck Trail	Parkheights Trail Thomas Noble Court	Thomas Noble Court	Nobleton	No 5	High Class Bituminous	Urban	50 km/h	00200-00399	329 329	99 177	8.70 8.70	8.70 861 8.70 1540	
9 0	Black Duck Trail Black Tusk Trail	West Coast Trail	Black Duck Trail (Traffic Circle) Bighorn Trail	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	458		8.70	2044	
16 2137 11 1152	Blue Beech Trail Blueberry Lane	Bluff Trail Kingsworth Road	Bighorn Trail Bluff Trail End (Cul-de-Sac)	Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban	40 km/h 40 km/h	00200-00399	361 100	235 177 234	8.00 7.30	8.70 1416 9.00 1708	
0 0	Blueberry Run Trail	Parkheights Trail	Coastal Trail	King City Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00400-00999	458	199	8.50	1692	
14 2135 17 2135	Bluff Trail Bluff Trail	Chapel Gully Trail Blue Beech Trail	Chapel Gully Trail Cape George Trail	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	361 361	193 80	8.00 8.00	8.70 1544 8.70 640	
9 2135	Bluff Trail	Cape George Trail	Blue Beech Trail	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	361	81	8.00	8.70 648	
0 2135 12 2135	Bluff Trail Bluff Trail	Parkheights Trail (Traffic Circle) Cape George Trail	Cape George Trail Bluff Trail (Traffic Circle)	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	361 361	100	8.00	8.70 800 8.70 1288	
6 2135	Bluff Trail Bluff Trail	Chapel Gully Trail	Blue Beech Trail	Nobleton	No 5	High Class Bituminous	Urban	50 km/h	00200-00399	361	84	8.70	8.70 731 8.70 624	
4 2135 0 0	Bri Way	Blue Beech Trail Robert Berry Crescent	Chapel Gully Trail Burns Boulevard	Nobleton King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	361 290	78 89	8.00 8.00	712	
5 0	Britnell Court	Aukland Lane	End (Cul-de-Sac)	King City	No 6	High Class Bituminous	Urban Semi-Urban	40 km/h 50 km/h	00050-00199	290 171	166	8.00	9.70 1328 9.70 4469	Structure 0333
31 0 32 315	Brule Trail Brule Trail	Weston Road Simcoe Road	Simcoe Road Simcoe Road	King Twp. (Rural) King Twp. (Rural)	No 6 No 6		Semi-Urban	40 km/h	00050-00199	123	667 8	6.70 6.70	54	Structure 0333
76 0 97 319	Brule Trail Brule Trail	Carrying Place Trail Simcoe Road	End (Cul-de-Sac) Carrying Place Trail	King Twp. (Rural) King Twp. (Rural)	No 6 No 6	Low Class Bituminous Low Class Bituminous	Semi-Urban Semi-Urban	50 km/h 50 km/h	00050-00199	123	268 381	6.70 6.70	9.70 1796 9.70 2553	Structure 0327
1164	Burns Boulevard	Walkington Way	Findlay Avenue	King City	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	290 329	348	8.00	8.50 2784	Olidoldio GOL7
13 1158 15 1158	Burns Boulevard Burns Boulevard	Findlay Avenue Station Road	Collard Drive Dennis Drive	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	329 329	129 65	9.80 9.80	9.80 1264 9.80 637	
6 1158	Burns Boulevard	Findlay Avenue	Station Road	King City	No 5	High Class Bituminous	Urban	60 km/h	00200-00399	329	102	9.80	9.80 1000	
1 1164 3 1164	Burns Boulevard Burns Boulevard	Charles Street Robert Berry Crescent	Bri Way Walkington Way	King City King City	No 5 No 6	High Class Bituminous High Class Bituminous	Urban Urban	60 km/h 40 km/h	00200-00399	290 290	116 430	8.50 8.50	8.50 986 8.50 3655	
4 1164	Burns Boulevard	Bri Way	Robert Berry Crescent	King City	No 5	High Class Bituminous	Urban	60 km/h	00200-00399	290 329	187 758	8.50 9.80	8.50 1590 9.80 7428	
6 412	Burns Boulevard Burrows Road	Collard Drive Weston Road	Findlay Avenue Weston Road	King City King Twp. (Rural)	No 6 No 6	High Class Bituminous Gravel	Urban Rural	40 km/h 80 km/h	00200-00399	- 8	512	3.30	4.30 2202	
7 1072	Burton Grove Burton Grove	McBride Crescent Austin Rumble Court	Keele Street McBride Crescent	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	497 383	253 123	8.00 8.00	8.50 2024 984	
0	Burton Grove	Patricia Drive	Austin Rumble Court	King City	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	383	931	8.00	7448	
8 1036 2 0	Cadden Court Cairns Gate	Warren Road 15th Sideroad	End (Cul-de-Sac) Gellatly Court	King City King City	No 6 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	215 519	147 183	8.20 8.20	8.50 1205 1501	
3 0	Cairns Gate	Gellatly Court	End (Cul-de-Sac)	King City	No 5	High Class Bituminous	Urban	40 km/h	00400-00999	519	183	8.20	1501	-
7 309 0 289	Caledon King Town Line North Caledon King Town Line North	Halls Lake Sideroad 19th Sideroad	Highway 9 Halls Lake Sideroad	King Twp. (Rural) King Twp. (Rural)	Yes 4 No 5	Gravel Gravel	Rural Rural	60 km/h 60 km/h	01000-01999	1690 245	1978 51	7.70 7.70	8.50 16813 8.50 434	Structure 0326
3 151	Caledon King Town Line South	12th Concession	17th Sideroad	King Twp. (Rural)	Yes 3	High Class Bituminous	Rural Rural	60 km/h	06000-07999	7097	2702	7.35	9.85 19860	
1 0	Caledon King Town Line South Caledon King Town Line South	King Rd. 11th Concession (Unopened)	15th Sideraod Columbia Way	King Twp. (Rural) King Twp. (Rural)	Yes 3 Yes 3	High Class Bituminous High Class Bituminous	Rural	80 km/h 60 km/h	04000-04999	4581 4581	2036 196	6.30 7.00	12827 10.00 1372	
2 0 3 127	Caledon King Town Line South Caledon King Town Line South	Columbia Way	Mt. Pleasent Road	King Twp. (Rural)	Yes 3	High Class Bituminous	Rural	80 km/h	03000-03999	3926	240	7.30	1752 5716	-
2 0	Caliber Court	Mt. Pleasent Road Di Meo Lane	12th Concession End (Cul-de-Sac)	King Twp. (Rural) Nobleton	Yes 3 No -1	High Class Bituminous High Class Bituminous	Rural Urban	80 km/h Not Recorded	00400-00999	3926 450	783 64	7.30 7.50	480	
1120 2138	Cambria Place Cape George Trail	McClure Drive Bluff Trail	End (Cul-de-Sac) Bluff Trail	King City Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00050-00199	58 361	64 227	8.00 8.00	8.50 512 8.70 1816	
0	Carmichael Crescent	Keele Street	Curran Court	King City	No 5	High Class Bituminous	Urban	40 km/h	00400-00999	699	89	8.00	712	
0 0	Carmichael Crescent Carmichael Crescent	Curran Court Jenkinson Grove	Jenkinson Grove Di Nardo Court	King City King City	No 5 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	699	130 303	8.00	1040 2424	
1182	Carmichael Crescent	Di Nardo Court	Keele Street	King City	No 5	High Class Bituminous	Urban	40 km/h	00400-00999	742 464	569	8.00	8.50 4552	
0	Carrying Place Trail Carrying Place Trail	Weston Road 19th Sideroad	19th Sideroad Brule Trail	King Twp. (Rural) King Twp. (Rural)	No 6 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 50 km/h	00400-00999	464 464	1192 578	8.50 8.50	8.50 10132 8.50 4913	
7 0 9 3042	Castle Mountain Court Castlewood Avenue	Parkheights Trail	End (Cul-de-Sac)	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	329	162 164	7.00 8.50	1134 8.50 1394	
3 71	Castlewood Avenue Cavell Avenue	Church Street Keele Street	Elmwood Avenue Fog Road	Schomberg King Twp. (Rural)	No 6 No 5	High Class Bituminous Low Class Bituminous	Urban Semi-Urban	40 km/h 50 km/h	00200-00399		706	6.50	8.00 4589	
1 187	Cavell Avenue	Fog Road	End (West)	King Twp. (Rural)	No 5	Low Class Bituminous	Semi-Urban	50 km/h	00400-00999	411	310	6.50	8.00 2015	
5 0 1 2060	Cedarwood Crescent Cedarwood Crescent	Hillside Drive Simon Henry Avenue	Sunset Drive End (North)	Nobleton Nobleton	No 5 No 6	High Class Bituminous High Class Bituminous	Urban	40 km/h 40 km/h	00400-00999	220	65 64	8.50 8.50	553 8.50 544	
0 0	Cedarwood Crescent	Sunset Drive	Simon Henry Avenue End (Cul-de-Sac)	Nobleton	No 5 No 5	High Class Bituminous	Urban Urban	40 km/h 50 km/h	00400-00999	589 589	63 117	8.50 8.50	536	-
9 0 1 3030	Cedarwood Crescent Centre Street	Hillside Drive Rebellion Way	End (West)	Nobleton Lloydtown	No 6	High Class Bituminous High Class Bituminous	Urban	50 km/h	00000-00049	23	211	5.00	995 6.20 1055	
9 3038 8 254	Centre Street Centre View Avenue	Church Street 45m E. of Weston Road	Rebellion Way Prince Adam Court	Lloydtown Laskay	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Semi-Urban	50 km/h 50 km/h	00050-00199	53 171	351 94	5.20 7.50	6.60 1825 9.50 705	Structure 0223
253	Centre View Avenue	Weston Road	45m E. of Weston Road	Laskay	No 6	High Class Bituminous	Urban	50 km/h	00050-00199	171	45	8.00	8.50 360	
7 1148	Champlain Crescent	Kingscross Drive	End (Loop)	King City Nobleton	No 6 No 6	High Class Bituminous	Semi-Urban Urban	40 km/h 40 km/h	00050-00199	58 361	230 126	7.00 8.00	10.00 1610 8.70 1008	

Appendix A - Road Inventory Database (Sorted by Road Name

ID Previous RNS ID	Name	Name From	Name To	Community Boundary Maintena Road Class	Surface Material Environment Limit (km/h)	AADT Range	AADT	(m)	Road Width Platform Width Surface Area (m) (m) (m² calc.)	OSIM Culverts/Bridg
34 1086 37 1086	Charles Street Charles Street	James Street Burns Boulevard	Melrose Avenue James Street	King City No 6 King City No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00200-00399	346 346	112 122	9.00 9.00 1008 9.00 9.00 1098	
47 1132	Chelsea Lane	Kingscross Drive	Fork	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00000-00049	43	138	6.70 9.70 925	
59 1130 93 0	Chelsea Lane Chelsea Lane	Fork Fork	End (East Cul-de-Sac) End (West Cul-de-Sac)	King City No 6 King City No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Rural 40 km/h	00050-00199	128 40	249 292	6.70 9.70 1668 6.70 1956	
04 2065	Chinook Drive	Hawman Avenue	Hawman Avenue	Nobleton No 6	High Class Bituminous Semi-Urban 40 km/h	00050-00199	94	132	6.30 8.70 832	
46 2065 71 2064	Chinook Drive Chinook Drive	Hawman Avenue King Road	End (North) Hawman Avenue	Nobleton No 6 Nobleton No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199	94 774	43 115	6.30 8.70 271 6.30 8.70 725	Structure 0332
33 0	Chuck Ormsby Crescent	Richard Serra Court	Ron Coles Lane	King City No 6	High Class Bituminous Urban 40 km/h	00400-00999	497	327	8.50 2780	Structure 0332
32 0 34 0	Chuck Ormsby Crescent Chuck Ormsby Crescent	Ron Coles Lane Ron Coles Lane	Ron Coles Lane Richard Serra Court	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	497 497	353 416	8.00 2824 8.00 3328	
7 3040	Church Street	Centre Street	Rebellion Way	King City No 6 Lloydtown No 6	High Class Bituminous Urban 40 km/h	00200-00399	271	293	6.60 3326	
06 3041	Church Street	Edwards Mill Lane	Western Avenue	Schombera No 5	High Class Bituminous Urban 50 km/h	00400-00999	628	209 137	8.40 9.40 1756	
22 3040 28 3040	Church Street Church Street	Western Avenue Castlewood Avenue	Castlewood Avenue Centre Street	Schomberg No 5 Schomberg No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00200-00399	271 271	137 892	6.60 904 8.70 7760	Structure 0225
52 3041	Church Street	Main Street	Edwards Mill Lane	Schomberg No 5	High Class Bituminous Urban 50 km/h	00400-00999	628	46	8.40 9.40 386	
5 61 6 0	Churchill Avenue Claudview Street	Weston Road Wells Orchard Crescent	End (West) Tatton Court	King Twp. (Rural) No 6 King City No 6	Low Class Bituminous Semi-Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	343 423	1396 187	6.00 7.30 8376 8.00 1496	
5 1056	Clearview Crescent	Keele Street	Clearview Heights	King City No 5	High Class Bituminous Semi-Urban 50 km/h	00400-00999	432	75	7.00 8.50 525	
3 1058	Clearview Heights	McBride Crescent	Elizabeth Grove	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00400-00999	489	292	7.00 9.00 2044	
19 1056 34 0	Clearview Heights Coastal Trail	Clearview Crescent Blueberry Run Trail	McBride Crescent Bighorn Trail	King City No 5 Nobleton No 6	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-00999	432 458	201 257	7.00 8.50 1407 8.50 2185	
3.1 255 3.2 1160	Collard Drive	Winter Road	175m N. of Winter Road	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00050-00199	102 102	154 186	6.40 9.80 986 8.50 8.50 1581	
3.2 1160 25 255	Collard Drive Collard Drive	175m N. of Winter Road Scott Crescent	Burns Boulevard Winter Road	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199			8.50 8.50 1581 6.40 9.80 1568	
7 255	Collard Drive	Scott Crescent (West Intersection)	Scott Crescent (East Intersection)	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00050-00199	102 102	245 552	6.40 9.80 3533	
28 255 03 4000	Collard Drive Cook Drive	Jane Street Shanks Drive	Scott Crescent Armstrong Crescent	King City No 6 Pottageville No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199	102 922	449 238	6.40 9.80 2874 8.50 8.50 2023	
04 4010	Cook Drive	110m W. of Archibald Road	Bachly Crescent	Pottageville No 6	High Class Bituminous Urban 40 km/h	00200-00399	275 922	231	6.80 1571	
07 4000 10 4000	Cook Drive	Munshaw Court Archibald Road	Archibald Road Shanks Drive	Pottageville No 5	High Class Bituminous Urban 40 km/h	00400-00999	922 922	43 119	8.50 8.50 366 8.50 8.50 1012	_
10 4000 14 4000	Cook Drive Cook Drive	Archibald Road Armstrong Crescent	Armstrong Crescent	Pottageville No 5 Pottageville No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	922	119	8.50 8.50 1012 8.50 8.50 1199	
15 4000	Cook Drive	Armstrong Crescent	Munshaw Court	Pottageville No 5	High Class Bituminous Urban 40 km/h	00400-00999	922	159	8.50 8.50 1352	
17 4000 18 4000	Cook Drive Cook Drive	Lloydtown/Aurora Road Archibald Road	Archibald Road 110m W. of Archibald Road	Pottageville No 5 Pottageville No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 50 km/h	00400-00999	922 922	176 114	8.50 8.50 1496 8.50 8.50 969	
11 3066	Cooper Drive	Dr. Jones Drive	Dr. Kay Drive	Schomberg No 5	High Class Bituminous Urban 40 km/h	01000-01999	1024	306	8.50 8.50 2601	
0 3064	Cooper Drive	Rice Drive	Dr. Jones Drive	Schomberg No 5	High Class Bituminous Urban 40 km/h	01000-01999	1024	113	8.50 8.50 961 8.50 8.50 961	
1 3064 1 3004	Cooper Drive Cooper Drive	Dr. Jones Drive Main Street	Dr. Jones Drive Rice Drive	Schomberg No 5 Schomberg No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	01000-01999	1024 1024	113 145	8.50 8.50 961 8.50 8.50 1233	
6 0	Coppermine Court	Paradise Valley Trail	End (Cul-de-Sac)	Nobleton No 6	High Class Bituminous Urban 40 km/h	00400-00999	458	156	8.70 1357	
1 1150 16 2004	Cranberry Lane Crestview Road	Kingscross Drive Janet Avenue	End (Cul-de-Sac) End (South)	King City No 6 Nobleton No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00050-00199	72 312	252 156	7.30 9.00 1840 6.40 8.40 998	
8 2004	Crestview Road	Parkview Drive	Janet Avenue	Nobleton No 5	High Class Bituminous Semi-Urban 50 km/h	00200-00399	312	86	6.40 8.40 550	
37 2020 51 1068	Cross Avenue Crossley Court	Wellar Avenue Patricia Drive	Elizabeth Drive End (Cul-de-Sac)	Nobleton No 6 King City No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199	163 243	200 202	7.30 8.70 1460 8.50 8.50 1717	
0 1184	Curran Court	Carmichael Crescent	End (Cul-de-Sac)	King City No 6	High Class Bituminous Urban 40 km/h	00050-00199	171	174	8.00 8.50 1392	
13 1112 1 3016	Curtis Crescent Cutler Court	McClure Drive Maynard Drive	McClure Drive End (Cul-de-Sac)	King City No 5 Schomberg No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	567	900	8.00 8.50 7200 8.50 8.50 774	
8 4006	Cutting Crescent	Archibald Road	Archibald Road	Pottageville No 6	High Class Bituminous Urban 50 km/h	00050-00199	72 139	91 435	8.50 8.50 774 8.50 8.50 3698	
0.1 283.2 0.2 41	Davis Road	South Canal Bank Road	160m N. of South Canal Bank Road	King Twp. (Rural) No -1	High Class Bituminous Rural Not Recorded		437 437	160	6.00 7.90 960	
9 47	Davis Road Davis Road	160m N. of South Canal Bank Road 2nd Concession	2nd Concession King-Simcoe County Boundary	King Twp. (Rural) No -1 King Twp. (Rural) No 4	Gravel Rural Not Recorded High Class Bituminous Rural 80 km/h	00400-00999	437	794 939	6.00 7.90 6273 6.00 7.90 5634	
0 125	Dearbourne Avenue	Jane Street	End (East)	King Twp. (Rural) No 6	Low Class Bituminous Rural 50 km/h	00050-00199	145	1088	6.00 7.00 6528	
10 0 08 1168	Dearbourne Avenue Dennis Drive	Keele Street Findlay Avenue	End (West) Walkington Way	King Twp. (Rural) No 6 King City No 6	Low Class Bituminous Rural 40 km/h High Class Bituminous Urban 40 km/h	00050-00199	113 408	747 365	5.10 6.10 3810 8.00 8.50 2920	
7 0	Dennis Drive	Walkington Way	Burns Boulevard	King City No 6	High Class Bituminous Urban 40 km/h	00200-00399	385 132	146	8.70 1270	
58 1076 7.1 1076	Dennison Street Dennison Street	Keele Street Vallevcrest Drive	Valleycrest Drive 610m F of Valleycrest Drive	King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199	132 132	192 612	8.00 8.50 1536 8.00 8.50 4896	
7.2 1080	Dennison Street	610m E. of Valleycrest Drive	East Humber Drive	King City No 6	High Class Bituminous Urban 40 km/h	00050-00199	132	271	8.00 8.50 2168	Strucutre 0203
37 1002 30 1006	Dew Street Dew Street	William Street William Street	King Boulevard End (Cul-de-Sac)	King City No 6 King City No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00200-00399	203 203	244 236	7.00 9.00 1708 7.00 9.00 1652	
91 0	Di Meo Lane	Wilsen Road	Caliber Court	Nobleton No -1	High Class Bituminous Urban Not Recorded	00050-00199	131	40	7.50 9.00 1032	
93 0 12 1190	Di Meo Lane	Caliber Court Carmichael Crescent	Petersen Place	Nobleton No -1 King City No 6	High Class Bituminous Urban Not Recorded High Class Bituminous Urban 40 km/h	00050-00199	131 100	47	8.50 400 8.00 8.50 2400	
12 1190 28 235	Di Nardo Court Diana Drive	Carmichael Crescent Highway 27	End (Cul-de-Sac) Hilda Road	King City No 6 King Twp. (Rural) No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199	50	300 302		
199	Diana Drive	Hilda Road	End (West)	King Twp. (Rural) No 6	High Class Bituminous Semi-Urban 40 km/h	00050-00199	50	356	6.30 8.70 2243	
18 0 18 0	Dillane Drive Dillane Drive	Sproule Street Proctor Road	Dr. Kay Drive Sproule Street	Schomberg No 5 Schomberg No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	01000-01999	1092	180 371	9.00 1620 9.00 3339	
88 1012	Doctors Lane	King Road	End (South)	King City No 6	High Class Bituminous Urban 40 km/h	00200-00399	340	167	12.80 12.80 2138	
9 3070 38 3070	Dr. Jones Drive Dr. Jones Drive	Willard Hunt Court Marchant Circle	Cooper Drive Willard Hunt Court	Schomberg No 6 Schomberg No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	456 456	140 99	8.50 8.50 1190 8.50 8.50 842	
9 3070	Dr. Jones Drive	Cooper Drive	Marchant Circle	Schomberg No 6	High Class Bituminous Urban 40 km/h	00400-00999	456	119	8.50 8.50 1012	
8 3060 i.1 9999	Dr. Kay Drive Dr. Kay Drive	Dillane Drive 220m W. of Cooper Drive	Rose Cottage Lane Main Street	Schomberg No 5 Schomberg No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	02000-02999	2510 2510	156 114	9.00 12.00 1404 11.00 1254	
6.2 3058	Dr. Kay Drive	Cooper Drive	220m W. of Cooper Drive	Schomberg Not Recorded 5	High Class Bituminous Semi-Urban 40 km/h	02000-02999	2368	212 86	10.00 11.70 2120	Structure 0334
21 3060	Dr. Kay Drive	Rose Cottage Lane	Cooper Drive	Schomberg No 5	High Class Bituminous Urban 50 km/h	02000-02999	2510			
01 322 02 322	Dufferin Street Dufferin Street	King Street Bernhardt Road	Bernhardt Road Emma Road	Ansnorvelt No 5 Ansnorvelt No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	02000-02999	2147 2147	408 611	6.70 8.50 4094	
323	Dufferin Street	Emma Road Graham Sideroad	Wilhelmena Road	Ansnorvelt No 5	High Class Bituminous Semi-Urban 40 km/h	02000-02999	2147 14	399 543	6.70 8.50 2673 5.70 6.70 3638	
35 323 1 120	Dufferin Street Dufferin Street	Graham Sideroad Wilhelmena Road	End (North) Juliana Road	King Twp. (Rural) No 6 King Twp. (Rural) No 5	High Class Bituminous Semi-Urban 40 km/h	00000-00049	14 2147	543 480	5.70 6.70 3638 6.70 8.50 3216	
4 239	Dufferin Street	Miller's Sideroad	630m N. of Miller's Sideroad	King Twp. (Rural) No 4	High Class Bituminous Rural 60 km/h	01000-01999	1833	627	7.00 8.80 4389	
1 111 7.1 269	Dufferin Street Dufferin Street	1.4km N. 19th Sideroad 19th Sideroad	Davis Drive West 400m, N. 19th Sideroad	King Twp. (Rural) No 4 King Twp. (Rural) No 4	Gravel Rural 80 km/h High Class Bituminous Rural 80 km/h	00400-00999	494 494	1129 403	6.00 9.60 10838 6.00 9.60 2418	
.2 291	Dufferin Street	400m. N. 19th Sideroad	1.4km N. 19th Sideroad	King Twp. (Rural) No 4	Gravel Rural 80 km/h	00400-00999	494	998	6.00 9.60 9581	
6 165 9 31	Dufferin Street Dufferin Street	Davis Drive West Juliana Road	Glenville Road Graham Sideroad	King Twp. (Rural) No 4 King Twp. (Rural) No 5	High Class Bituminous Rural 60 km/h High Class Bituminous Semi-Urban 40 km/h	01000-01999	1419 2147	45 553	6.50 8.50 293 6.70 8.70 3705	
B 167	Dufferin Street	Glenville Road	Miller's Sideroad	King Twp. (Rural) No 4	High Class Bituminous Rural 60 km/h	01000-01999	1419	2057	7.70 8.50 15839	
7 183	Dufferin Street	18th Sideroad	19th Sideroad	King Twp. (Rural) No 4	High Class Bituminous Rural 60 km/h	01000-01999	1510	2062	7.20 9.90 14846	Strucutre 0012
6 321 0 0	Dufferin Street Dufferin Vista Court	630m N. of Miller's Sideroad Summit Ridge Drive	King Street End (Cul-de-Sac)	King Twp. (Rural) No 4 Schomberg No 6	High Class Bituminous Rural 60 km/h High Class Bituminous Urban 40 km/h	01000-01999	1833 329	995 43	6.90 10.20 6866 8.70 374	ocrucutre 0012
4 3078 3 345	Dufferin Vista Court	Summit Ridge Drive	Ben Boy Avenue	Schomberg No 6	High Class Bituminous Urban 40 km/h	00200-00399	329	84 180	8.70 8.70 731 8.50 8.50 1530	-
3 1082	Earlwood Crescent East Humber Drive	Nobleton Lakes Drive Humber Valley Crescent	End (Cul-de-Sac) Dennison Street	King Twp. (Rural) No 6 King City No 5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	01000-01999	115 1033	82	8.00 8.50 656	
1082	East Humber Drive	Keele Street	Humber Valley Crescent	King City No 5	High Class Bituminous Urban 40 km/h	01000-01999	1033	244	8.00 8.50 1952	
1 1082 2 1082	East Humber Drive East Humber Drive	Dennison Street Humber Valley Crescent	End (East) Humber Valley Crescent	King City No 5  King City No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	01000-01999	1033 1033	97 517	8.00 8.50 776 8.00 8.50 4136	
3 341	Eden Vale Drive	Fairfield Drive	Fairfield Drive	King Twp. (Rural) No 6	High Class Bituminous Urban 40 km/h	00050-00199	196 57	1086	8.00 8.50 8688	Structure 0013
9 269 0 175	Edward Avenue Edward Avenue	Jane Street Aileen Avenue	End (West) Jane Street	King Twp. (Rural) No 4 King Twp. (Rural) No 4	Gravel Rural 80 km/h High Class Bituminous Rural 60 km/h	00050-00199	57 743	614 613	6.00 7.90 4851 6.30 8.70 3862	
3 4020	Edward Pottage Crescent	Lloydtown/Aurora Road	Edward Pottage Crescent (Cul-de-Sac)	King Twp. (Rural) No 5	High Class Bituminous Urban 50 km/h	00200-00399		224	8.50 8.50 1904	
4 4020 5 181	Edward Pottage Crescent Edward Pottage Crescent	235m N. of Lloydtown/Aurora Road Lloydtown/Aurora Road	Edward Pottage Crescent (Cul-de-Sac) 235m N. of Lloydtown/Aurora Road	King Twp. (Rural) No 5 King Twp. (Rural) No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00200-00399	215 215	164 234	8.50 8.50 1394 8.50 8.50 1989	
0 241	Edward Pottage Crescent (Cul-de-Sac)	Edward Pottage Crescent (Crescent)	End (Cul-de-Sac)	King Twp. (Rural) No 5	High Class Bituminous Urban 50 km/h	00200-00399	215	60	8.50 8.50 510	
7 3047	Edwards Mill Lane Elizabeth Drive	Church Street Cross Avenue	End (North)	Schomberg No 6	High Class Bituminous Urban 50 km/h	00000-00049	15 214	54 74	5.00 5.00 270 7.30 8.70 540	•
7 2019 3 2018	Elizabeth Drive	Cross Avenue King Road	End (North) Cross Avenue	Nobleton No 6 Nobleton No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00200-00399	214	380	7.30 8.70 540 7.30 8.70 2774	
2 1064	Elizabeth Grove	Clearview Heights	Patricia Drive	King City No 6	High Class Bituminous Urban 40 km/h	00200-00399	204	99	8.00 8.50 792	
9 1054 7 1064	Elizabeth Grove Elizabeth Grove	McBride Crescent Banner Lane	Patton Street Clearview Heights	King City No 5 King City No 6	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-00999	900 204	185 45	7.00 9.00 1295 8.00 8.50 360	
.1 0	Elizabeth Grove	110m E. of Patton Street	Banner Lane	King City No 5	High Class Bituminous Urban 40 km/h	00400-00999	900	56	7.00 392	
0.1	Elizabeth Grove	Patton Street Keele Street	110m E. of Patton Street McBride Crescent	King City No 5 King City No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00400-00999	900	107 213	7.00 9.00 749 7.00 9.00 1491	
3.2 1054			Robinson Road	Nobleton No 5	High Class Bituminous Urban 40 km/h	01000-01999	1216	314	8.50 8.50 2669	
3.2 1054  5 1054  4 2039	Ellis Avenue	Wellington Street	TODINGON TODA							
5 1054 5 1054 4 2039 2 2039	Ellis Avenue Ellis Avenue	Robinson Road	Faris Avenue	Nobleton No 5	High Class Bituminous Urban 50 km/h	01000-01999	1216	114	8.50 8.50 969	
3.2 1054 5 1054 4 2039	Ellis Avenue		Faris Avenue Henry Gate End (West) Wilkie Avenue	Nobleton         No         5           Nobleton         No         5           Nobleton         No         5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	01000-01999 01000-01999 00400-00999	1216	114 124 59	8.50 8.50 969 8.50 8.50 1054 8.20 8.50 484 8.00 8.50 2288	

Appendix A - Road Inventory Database (Sorted by Road Name

ID Previous RNS ID	Name Elmers Lane	Name From 15th Sideroad	Name To  Lake Marie Trail	Community King City	Boundary Maintenance Road Class No 5	Surface Material Roadsid Environm High Class Bituminous Urban		AADT Range 00400-00999	AADT 519	Road Length (m) 236	Road Width   Platform Width   Surface Area   (m)   (m² calc.)	OSIM Culverts/Bridg
31 0	Elmers Lane	Lake Marie Trail	Sir Henry Court	King City	No 5	High Class Bituminous Urban	40 km/h	00400-00999	519	315	8.00 2520	
44 231 56 3044	Elmpine Trail Elmwood Avenue	Mill Road Western Avenue	End (West) Castlewood Avenue	King Twp. (Rural) Schomberg	No 6 No 6	Gravel Semi-Urb High Class Bituminous Urban	an 50 km/h 40 km/h	00050-00199	153 104	487 136	4.00 5.00 2435 8.50 8.50 1156	
06 329 04 119	Emma Road	Dufferin Street Fairfield Drive	End (West) End (Cul-de-Sac)	Ansnorvelt	No 4 No 6	Gravel Rural High Class Bituminous Urban	80 km/h 40 km/h	00200-00399	253 115	975 297	5.10 6.10 5948 8.00 8.50 2376	
45 189	Eversley Hall Fairfield Drive	Dufferin Street	End (Cul-de-Sac) Eversley Hall	King Twp. (Rural) King Twp. (Rural)	No 6 No 5	High Class Bituminous Urban	40 km/h	00400-00999	555	405	8.50 8.50 3443	
59 347 74 14	Fairfield Drive Fairfield Drive	Eden Vale Drive Eden Vale Drive	Eden Vale Drive Norcliffe Drive	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00400-00999	555 555	207 114	8.00 8.50 1656 8.00 8.50 912	Structure 0301
22 353	Fairfield Drive	Eversley Hall	Eden Vale Drive	King Twp. (Rural)	No 5	High Class Bituminous Urban	40 km/h	00400-00999	555	241	8.00 8.50 1928	Oracial C 0001
35 30 17 2133	Fairfield Drive Fairmont Ridge Trail	Norcliffe Drive Anderson Cove Trail	Dufferin Street West Coast Trail	King Twp. (Rural) Nobleton	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 50 km/h	00400-00999	555 1837	345 81	8.00 8.50 2760 8.70 8.70 705	
18 2133	Fairmont Ridge Trail	Black Duck Trail (Traffic Circle)	Anderson Cove Trail	Nobleton	No 5	High Class Bituminous Urban	40 km/h	01000-01999	1837	69	8.70 8.70 600	
54 2133 60 2133	Fairmont Ridge Trail Fairmont Ridge Trail	West Coast Trail Bighorn Trail	Bighorn Trail Fairmont Ridge Trail (Traffic Circle)	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	01000-01999	1837 1837	82 81	8.70 8.70 713 8.70 8.70 705	
74 0	Fairmont Ridge Trail	Blueberry Run Trail	Kettle Valley Trail	Nobleton	No 5	High Class Bituminous Urban	40 km/h	01000-01999	1876	79	8.50 672	
81 0 23 0	Fairmont Ridge Trail Fairmont Ridge Trail	Kettle Valley Trail Fairmont Ridge Trail (Traffic Circle)	Highway 27 Blueberry Run Trail	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	01000-01999	1876 1876	303 65	8.50 2576 8.50 553	
20 0 17 0	Fairmont Ridge Trail / Black Duck Trail (Traffic Circle)	Black Duck Trail	Black Duck Trail	Nobleton Nobleton	No 6 No 5	High Class Bituminous Urban High Class Bituminous Urban	30 km/h 30 km/h	00200-00399	329 1876	99 97	6.70 663 6.70 650	
6.1 2046	Fairmont Ridge Trail / Samson Trail (Traffic Circle) Faris Avenue	Samson Trail 135m W. of Kinsley Street	Samson Trail Ellis Avenue	Nobleton	No 6	High Class Bituminous Urban	40 km/h	00050-00199	184	95	8.00 8.50 760	
6.2 0	Faris Avenue Faris Avenue	Kinsley Street 20m W. of Wellington Street	135m W. of Kinsley Street Kinsley St.	Nobleton Nobleton	No 6	High Class Bituminous Semi-Urb High Class Bituminous Semi-Urb		00200-00399	245	136 187	7.00 9.00 952	
65 2120	Farmcrest Court	Woodhill Avenue	End (Cul-de-Sac)	Nobleton	No 6 No 6	High Class Bituminous Urban	40 km/h	00050-00199	260 86	200	6.20 8.20 1159 8.10 8.70 1620	
35 1162 07 1162	Findlay Avenue Findlay Avenue	Burns Boulevard Dennis Drive	Dennis Drive Burns Boulevard	King City King City	No 6 No 6	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00200-00399	264 264	193 328	8.50 8.50 1641 88.00 8.50 28864	
50 1014	Fisher Street	King Road	End (Cul-de-Sac)	King City	No 6	High Class Bituminous Urban	40 km/h	00200-00399	286	201	8.00 8.50 1608	
357 40 1046	Fog Road Forde Crescent	Cavell Avenue 140m E. of Bennet Drive	End (North) Bennet Drive	King Twp. (Rural) King City	No 6 No 6	Low Class Bituminous Semi-Urb High Class Bituminous Urban	an 50 km/h 40 km/h	00050-00199	147	527	5.50 6.50 2899 8.00 8.50 2344	
37 1044	Forde Crescent	Bennet Drive	140m E. of Bennet Drive	King City	No 6	High Class Bituminous Semi-Urb	an 40 km/h	00200-00399	286 286	293 140	7.00 10.00 980	
64 153 68 2030	Forest Trail Forestave Crescent	Humber Trail Noblewood Drive	End (South) End (Cul-de-Sac)	King Twp. (Rural) Nobleton	No 6 No 6	Gravel Rural High Class Bituminous Urban	50 km/h 40 km/h	00050-00199	153	41 76	6.00 6.00 246 6.60 9.40 502	
41 0	Fourth Street	West Street	End (East)	King City	No 6	High Class Bituminous Urban	50 km/h	00050-00199	72	28	6.00 168	
91 0 86 0	Gellatly Court Giant Cedars Court	Cairns Gate Middlehead Trail	End (Cul-de-Sac) End (Cul-de-Sac)	King City Nobleton	No 6 No 6	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00000-00049	36 458	124 156	8.20 1017 8.70 1357	-
23 2122	Gilbert Fuller Drive	Woodhill Avenue	End (Cul-de-Sac)	Nobleton	No 6	High Class Bituminous Urban	40 km/h	00000-00049	36	263	8.00 8.50 2104	
15 1118 1.1 317	Gillham Circle Glenville Road	McClure Drive Davis Drive West	End (Cul-de-Sac) 140m N. of Davis Drive West	King City King Twp. (Rural)	No 6 No -1	High Class Bituminous Urban High Class Bituminous Rural	40 km/h Not Recorded	00050-00199	58 85	68 142	8.00 8.50 544 5.70 6.70 809	
1.2 287	Glenville Road	140m N. of Davis Drive West	Dufferin Street	King Twp. (Rural)	No -1	Gravel Rural	Not Recorded	00050-00199	85	762	5.70 6.70 5105	
2031	Goodfellow Crescent Goodfellow Crescent	500m W. of Hill Farm Road (West Intersection) Hill Farm Road	Hill Farm Road 500m W. of Hill Farm Road (East Intersection	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00400-00999	524 508	210 495	8.00 8.50 1680 8.00 8.50 3960	
0 0	Graham Sideroad	Dufferin Street	End (West)	King Twp. (Rural)	No 5	Gravel Rural	50 km/h	00200-00399	253	393	5.10 6.10 2397	
4 56 4 237	Graham Sideroad Graham Sideroad	Bathurst Street Pumphouse Road	Pumphouse Road Dufferin Street	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous Rural High Class Bituminous Rural	50 km/h 50 km/h	01000-01999	1522 1522	1568 473	7.20 8.60 11290 6.70 9.10 3169	
66 0	Great Heron Court	King Boulevard	End (Cul-de-Sac)	King City	No 6	High Class Bituminous Urban	40 km/h	00050-00199	58	150	8.00 1200	
38 0 35 2027	Greenlaw Lane Greenside Drive	Skyline Trail Noblewood Drive	Westbrooke Boulevard Hill Farm Road	Nobleton Nobleton	No 6 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00200-00399	361 2166	161 278	8.00 1288 9.80 9.80 2724	
21 2027	Greenside Drive	35m N. of King Road	Noblewood Drive	Nobleton	No 5	High Class Bituminous Urban	40 km/h	02000-02999	2166	40	9.80 9.80 392	
1 2027	Greenside Drive Greenside Drive	Noblewood Drive King Road	Noblewood Drive 35m N. of King Road	Nobleton King Twp. (Rural)	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	02000-02999	2166 2166	261 35	9.80 9.80 2558 9.80 9.80 343	
1108	Hambly Avenue	50m S. of Humber Crescent	End	King City	No 6	High Class Bituminous Urban	40 km/h	00050-00199	72	40	8.00 8.50 320	
9 1102	Hambly Avenue Hambly Avenue	Humber Crescent 30m N. of Humber Crescent	Heritage Park Martin Street	King City King City	No 6 No 6	High Class Bituminous Semi-Urb High Class Bituminous Urban	an 40 km/h 40 km/h	00200-00399	300 283	55 47	7.00 8.40 385 8.00 376	
15 0	Hambly Avenue	Martin Street	80m N. of Martin Street	King City	No 6	High Class Bituminous Urban	40 km/h	00200-00399	283 300	76	8.00 608	
5 1102 0 1102	Hambly Avenue Hambly Avenue	Heritage Park Humber Crescent	Humber Crescent 30m N. of Humber Crescent	King City King City	No 6 No 6	High Class Bituminous Semi-Urb High Class Bituminous Semi-Urb		00200-00399	300	44 49	7.00 8.40 308 7.00 8.40 343	
11 1102	Hambly Avenue	Humber Crescent	50m S. of Humber Crescent	King City	No 5	High Class Bituminous Urban	50 km/h	00200-00399	300 300	50	7.00 8.40 350	
13 1100 22 2068	Hambly Avenue Hawman Avenue	80m N. of Martin Street Chinook Drive	Norman Drive Chinook Drive	King City Nobleton	No 6 No 5	High Class Bituminous Urban High Class Bituminous Semi-Urb	40 km/h an 40 km/h	00200-00399	300 760	17 12	8.00 8.50 136 6.30 9.50 76	
29 2066	Hawman Avenue	Chinook Drive	Chinook Drive	Nobleton	No 6	High Class Bituminous Semi-Urb	an 40 km/h	00200-00399	222	280	6.10 8.50 1708	
50 2068 54 2068	Hawman Avenue Hawman Avenue	Hazelbury Drive Henley Drive	Chinook Drive Hazelbury Drive	Nobleton Nobleton	No 5 No 5	High Class Bituminous Semi-Urb High Class Bituminous Semi-Urb		00400-00999	760 760	96 94	6.30 9.50 605 6.30 9.50 592	
28 2068	Hawman Avenue	End (Cul-de-Sac)	Henley Drive	Nobleton	No 5	High Class Bituminous Semi-Urb	an 40 km/h	00400-00999	760	79	6.30 9.50 498	
02 2124 49 2072	Hawthorne Valley Road Hazelbury Drive	Woodhill Avenue Hawman Avenue	End (Cul-de-Sac) Wilsen Road	Nobleton Nobleton	No 5 No 6	High Class Bituminous Urban High Class Bituminous Semi-Urb	40 km/h an 40 km/h	00400-00999	846 381	562 170	8.00 8.50 4496 6.30 8.30 1071	
48 2070	Henley Drive	Hawman Avenue	Wilsen Road	Nobleton	No 6	High Class Bituminous Semi-Urb	an 40 km/h	00050-00199	131	170 176	6.00 8.20 1056	
59 2050 28 1106	Henry Gate Heritage Park	King Road Keele Street	Ellis Avenue Hambly Avenue	Nobleton King City	No 5 No 5	High Class Bituminous Urban High Class Bituminous Semi-Urb	40 km/h an 50 km/h	00400-00999	562 486	115 117	8.50 8.50 978 7.00 8.40 819	
98 15	Hilda Road	Diana Drive	End (Cul-de-Sac)	King Twp. (Rural)	No 6	High Class Bituminous Semi-Urb		00050-00199	72 1654	340 261	6.70 8.50 2278	Structure 0303
03 2034 15 2035	Hill Farm Road Hill Farm Road	Goodfellow Crescent Greenside Drive	Greenside Drive Goodfellow Crescent	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	01000-01999	1654	290	8.00 8.50 2088 8.00 8.50 2320	
16 2035	Hill Farm Road Hill Farm Road	Goodfellow Crescent	Bluff Trail (Traffic Circle)	Nobleton	No 5	High Class Bituminous Urban	40 km/h 40 km/h	01000-01999	1654	601	8.00 8.50 4808	
31 2034 39 2034	Hill Farm Road	Wellar Avenue Highway 27	Goodfellow Crescent Lynwood Crescent	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban High Class Bituminous Urban	40 km/h	01000-01999	1654 1654	145 115	8.00 8.50 1160 8.50 8.50 978	
53 2034 72 53	Hill Farm Road Hilliard Grove	Lynwood Crescent	Wellar Avenue	Nobleton King Two (Rural)	No 5 No 6	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	01000-01999	1654 115	119 139	8.00 8.50 952 8.00 8.50 1112	
10 2054	Hillside Drive	Loch Erne Lane Nobleview Drive	End (Cul-de-Sac) End (West)	King Twp. (Rural) Nobleton	No 6	High Class Bituminous Urban	40 km/h	00050-00199	22	62	8.50 8.50 527	
1 2053 2 2053	Hillside Drive Hillside Drive	Midway Cedarwood Crescent	Nobleview Drive Midway	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00050-00199	70	131 208	8.50 8.50 1114 8.50 8.50 1768	
18 221	Hodgson Avenue	19th Sideroad	William's Court	King Twp. (Rural)	No 5	Low Class Bituminous Semi-Urb	an 50 km/h	00200-00399	300	264	6.70 9.80 1769	Structure 0217
8 217 2 0	Hodgson Avenue Hogan Court	William's Court Langdon Drive	19th Sideroad End (Cul-de-Sac)	King Twp. (Rural) King City	No 6 No 6	Low Class Bituminous Semi-Urb High Class Bituminous Urban	an 40 km/h 40 km/h	00200-00399	300 329	719 552	6.70 9.80 4817 8.50 4692	Structure 0214
5 67	Holancin Road	Highway 9	2nd Concession	King Twp. (Rural)	No 4	Low Class Bituminous Rural	80 km/h	00050-00199	185	1496	6.70 8.00 10023	
5 1020 9 1022	Hollingsworth Drive Hollingsworth Drive	Patton Street Patton Street	End (West) Kingslynn Drive	King City King City	No 6 No 6	High Class Bituminous Semi-Urb High Class Bituminous Semi-Urb		00050-00199	72 160	140 277	7.00 9.70 980 6.20 9.80 1717	
4 2032	Hollywood Crescent	Noblewood Drive	115m E. of Noblewood Drive	Nobleton	No 5	High Class Bituminous Urban	40 km/h	00400-00999	524	114	8.00 8.50 912	
9 2033 5 1104	Hollywood Crescent Humber Crescent	115m E. of Noblewood Drive Hambly Avenue	End (Cul-de-Sac) Hambly Avenue	Nobleton King City	No 6 No 6	High Class Bituminous Urban High Class Bituminous Semi-Urb	40 km/h an 40 km/h	00200-00399	315 314	261 341	8.00 8.50 2088 7.00 9.20 2387	
1 349	Humber Trail	Mill Road	End (West)	King Twp. (Rural)	No 6	Gravel Rural	50 km/h	00050-00199	153	183	6.00 6.00 1098	
1 101 9 1084	Humber Trail Humber Valley Crescent	Forest Trail East Humber Drive	End (West) East Humber Drive	King Twp. (Rural) King City	No 6 No 5	Gravel Rural High Class Bituminous Urban	50 km/h 40 km/h	00050-00199	153	325 618	6.00 6.00 1950 8.00 8.50 4944	
5 2140	James Bowman Court	Parkheights Trail	End (Cul-de-Sac)	Nobleton	No 6	High Class Bituminous Urban	40 km/h	00050-00199	80	137	8.80 8.80 1206	
1 0	James Stokes Court James Stokes Court	Kinghorn Road Raymond Love Court	Peter Glass Road Kinghorn Road	King City King City	No 6 No 6	High Class Bituminous Urban High Class Bituminous Urban	40 km/h 40 km/h	00050-00199	179 179	225 104	8.00 1800 8.00 832	
4 0	James Stokes Court	Peter Glass Road	End (East)	King City	No 6	High Class Bituminous Urban	40 km/h	00050-00199	179	49	8.00 392	
6 0 4 1090	James Stokes Court James Street	Peter Glass Road John Street	Raymond Love Court Charles Street	King City King City	No 6 No 6	High Class Bituminous Urban High Class Bituminous Semi-Urb	40 km/h an 40 km/h	00050-00199	179	111 293	8.00 888 6.50 8.50 1905	
7 229 5 167	Jane Street	South Canal Bank Road	Woodchoppers Lane	King Twp. (Rural)	No 4	High Class Bituminous Rural	60 km/h	00400-00999	986	645	6.80 9.20 4386	p
59	Jane Street Jane Street	Woodchoppers Lane Davis Drive West	Edward Avenue South Canal Bank Road	King Twp. (Rural) King Twp. (Rural)	No 4 No 3	High Class Bituminous Rural High Class Bituminous Rural	60 km/h 80 km/h	00400-00999	592 734	681 818	6.60 7.80 4495 8.40 8.40 6871	Structure 0211
2 2006	Janet Avenue	Crestview Road	End (Cul-de-Sac)	Nobleton	No 6	High Class Bituminous Urban	50 km/h	00050-00199		311	8.50 8.50 2644 8.60 8.60 4956	
6 1186 7 3068	Jenkinson Grove Jessop Avenue	Tawes Trail Cooper Drive	Carmichael Crescent Cooper Drive	King City Schomberg	No 6 No 6	High Class Bituminous Urban High Class Bituminous Urban		00200-00399	204 456	232 273	8.00 8.50 1856 8.50 8.50 2321	
7 1088	John Street	James Street	Melrose Avenue	King City	No 6	High Class Bituminous Semi-Urb	an 50 km/h	00050-00199	192	110	7.00 8.50 770	
3 1088 7 0	John Street John Tanner Court	King Road Langdon Drive	James Street End (Cul-de-Sac)	King City King City	No 6 No 6	High Class Bituminous Semi-Urb High Class Bituminous Urban	an 40 km/h 40 km/h	00050-00199	192 278	117 43	8.00 344	
1 155	Juliana Road	Dufferin Street	End (East)	King Twp. (Rural)	No 4	Gravel Rural	80 km/h	00200-00399	278 253	1090	5.20 6.10 6649	
55 2038 4 81	Kaake Road Keele Street	Goodfellow Crescent Kettleby Road	End (Cul-de-Sac) 19th Sideroad	Nobleton King Twp. (Rural)	No 6 No 5	High Class Bituminous Urban High Class Bituminous Rural	50 km/h 50 km/h	00050-00199	72 2368	185 831	8.50 8.50 1573 6.10 7.90 5069	
0 311	Keele Street	Lloydtown/Aurora Road Traffic Circle	Kettleby Road	King Twp. (Rural)	No 4	High Class Bituminous Rural	60 km/h	01000-01999	1988	1365	6.70 8.50 9145	
1 41 295	Keele Street Keele Street	110m N. of Woodchoppers Lane Davis Drive West	Strawberry Lane 1.45km N. of Davis Drive West	King Twp. (Rural) King Twp. (Rural)	No 4 No 3	High Class Bituminous Rural High Class Bituminous Rural	60 km/h 80 km/h	01000-01999	1609 1683	759 1455	6.50 8.50 4934 7.00 9.70 10185	
15 0	Keele Street	Strawberry Lane	Lipchey Road	King Twp. (Rural)	No 4	High Class Bituminous Rural	60 km/h	01000-01999	1748	293	6.70 8.70 1963	
	Keele Street	Woodchoppers Lane 19th Sideroad	110m N. of Woodchoppers Lane 19th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 4 No 4	High Class Bituminous Semi-Urb High Class Bituminous Rural	an 60 km/h 60 km/h	01000-01999	1609 2250	107 18	8.00 856 6.10 110	Structure 0018
86 199 95 265						Cuou prominious Ruidi						Structure JU10
86 199 95 265 96 7 38 285	Keele Street Keele Street Keele Street	19th Sideroad Lipchey Road	Davis Drive West King Street	King Twp. (Rural) King Twp. (Rural)	No 5 No 4	High Class Bituminous Rural High Class Bituminous Rural	50 km/h 60 km/h	01000-01999	1922 1748	2045 448	6.70 8.50 13701 6.70 8.70 3002	

Appendix A - Road Inventory Database (Sorted by Road Name

cipal ID Previous RNS ID	Name	Name From	Name To	Community Boundary Maintenand Class	Surface Material Environment Limit (km/h)	AADT Range	AADT	Road Length Road (m) (n		OSIM Culverts/Bridges
D-0048 2098 D-0060 1128	Kehoe Court Keri Court	Russell Snider Drive Kingscross Drive	End (Cul-de-Sac) End (Cul-de-Sac)	Nobleton No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199 00000-00049	86	185 8.5 123 8.7	0 8.50 1573	
-0211 0	Kettle Valley Trail	Parkheights Trail	Fairmont Ridge Trail	Nobleton No 5	High Class Bituminous Urban 50 km/h	00400-00999	458	205 8.5	0 1743	
-0001 103 -0002 105	Kettleby Road Kettleby Road	Keele Street Lorne Avenue	Lorne Avenue Jane Street	Kettleby No 5 Kettleby No 5	High Class Bituminous Rural 30 km/h High Class Bituminous Semi-Urban 40 km/h	01000-01999	1069 1188	1495 6.3 693 6.5	0 9.40 4505	Structure 0009 & 0025 Structure 0024
0094 1000 0224 1000	King Boulevard King Boulevard	King Road Great Heron Court	Dew Street Dew Street	King City No 6 King City No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00400-00999	423 423	163 6.6 126 8.0		
-0113 217 -0005 315	King Hills Lane King Street	Jane Street Dufferin Street	300m E. of Jane Street King St. Fork	King Twp. (Rural) No 5 Ansnorvelt No 5	Gravel Rural 70 km/h High Class Bituminous Rural 40 km/h	00050-00199	97 1104	304 5.° 234 6.°	0 6.10 1854 0 7.30 1427	
-0163 0 -0116 87	King Street King View Crescent	King St. Fork Lane Road	Keele Street End (Cul-de-Sac)	King Twp. (Rural) No 4	High Class Bituminous Rural 60 km/h High Class Bituminous Rural 50 km/h	01000-01999	1104 269	1894 6.1 365 6.1	0 7.30 11553	
-0170 199	King View Crescent	King View Crescent (Fork)	Lane Road	King Twp. (Rural) No 5	High Class Bituminous Rural 50 km/h	00200-00399	269	317 6.7	0 9.00 2124	
I-0173 191 I-0177 33	King View Crescent King View Crescent	17th Sideroad King View Crescent (Fork)	King View Crescent End (Cul-de-Sac)	King Twp. (Rural) No 5 King Twp. (Rural) No 5	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Rural 50 km/h	00200-00399	286 269	116 6.7 293 6.7	0 11.00 777 0 10.00 1963	Structure 0318 & 0319 Structure 0305
-0155 0 -0184 220	Kinghorn Road King's Summit Road	King Road Jane Street	James Stokes Court End (Cul-de-Sac)	King City No 6 King Twp. (Rural) No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00200-00399	346 215	169 8.0 896 6.5	1352	Structure 0019
-0003 1122	Kingscross Drive	Chelsea Lane	Manitou Drive	King City No 5	High Class Bituminous Semi-Urban 40 km/h	01000-01999	1303	742 6.7	0 9.70 4971	Structure 0330
I-0004 1142 I-0018 1144	Kingscross Drive Kingscross Drive	Manitou Drive Cranberry Lane	Champlain Crescent Snowberry Lane	King City No 5 King City No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00400-00999	681 681	285 8.0	0 11.00 2280	
I-0020 1122 I-0022 1122	Kingscross Drive Kingscross Drive	McKellar Lane Carmichael Crescent	Lockhart Lane McKellar Lane	King City No 5   King City No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	01000-01999	1303 1303	143 6.7 136 6.7		
-0035 1122 -0048 1144	Kingscross Drive Kingscross Drive	Lockhart Lane Champlain Crescent	Keri Court Cranberry Lane	King City No 5   King City No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	01000-01999	1303 681	425 6.7 255 8.0	0 9.70 2847	Structure 0329
0079 1144 0099 1122	Kingscross Drive	Snowberry Lane	Westgate Circle Chelsea Lane	King City No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00400-00999	681 1303	231 8.0 172 6.7	0 11.00 1848	Olidotare GOES
0056 1028	Kingscross Drive Kingslynn Drive	Keri Court Hollingsworth Drive	Banner Lane	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00200-00399	294	96 7.0	0 9.80 672	
0072 1024 0106 1028	Kingslynn Drive Kingslynn Drive	Patton Street Patton Street	End (West) Hollingsworth Drive	King City No 6 King City No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00200-00399	294 294	165 6.5 203 7.0	0 9.80 1421	
0242 205 0077 1145	Kingswood Drive Kingsworth Road	Jane Street Blueberry Lane	End (Cul-de-Sac) Watch Hill Road	King Twp. (Rural) No 6 King City No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199	86 236	963 8.5 454 6.6	60 8.50 8186 60 8.20 2996	
0105 1145 -0108 2048	Kingsworth Road Kinsley Street	Westgate Circle King Road	Blueberry Lane Faris Avenue	King City No 6 Nobleton No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00200-00399	236 184	570 6.6 144 6.7		Structure 0331
0201 0	Lake Marie Trail	Sir Henry Court	Elmers Lane	King City No 5	High Class Bituminous Urban 40 km/h	00400-00999	519	86 8.0	10 688	
0202 0 0057 271	Lake Marie Trail Lane Road	15th Sideroad King View Crescent	Sir Henry Court End (South)	King City No 5 King Twp. (Rural) No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00400-00999	519 15	73 6.7 86 6.7	0 11.00 576	
0146 0 0219 0	Langdon Drive Langdon Drive	180m N. of Walkington Way John Tanner Court	John Tanner Court Tiero Court	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	278 278	90 8.0 143 8.0	10 720	-
1220 0 1221 0	Langdon Drive	Tiero Court	Hogan Court Burns Boulevard	King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	278	183 8.0 67 8.0	0 1464	
1172	Langdon Drive  Langdon Drive	Hogan Court Walkington Way	180m N. of Walkington Way	King City No 6	High Class Bituminous Urban 40 km/h	00200-00399	278 278 302	177 8.5	0 8.50 1505	
0161 0 0162 0	Larkin Avenue Larkin Avenue	Mahaffy Court Ballard Drive	Starrett Street Wilkie Avenue	Nobleton No 6 Nobleton No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	302	209 8.5	0 1777	
0163 0 0011 0	Larkin Avenue Laskay Lane	Starrett Street Weston Road	Ballard Drive End (East)	Nobleton No 6 Laskay No 6	High Class Bituminous Urban 40 km/h Low Class Bituminous Rural 50 km/h	00200-00399	302 26	115 8.5 147 4.2		
0001 248.1	Laskay Mills Drive Laskay Mills Drive	Weston Road Rolling Court	Rolling Court End (Cul-de-Sac)	Laskay No 5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 50 km/h	00200-00399	243	107 8.0 67 8.0	0 856	
0098 0	Lavender Valley Road	Basil Ridge Court	Ria Court	King City No 5	High Class Bituminous Urban 40 km/h	00400-00999	243 827	63 8.0	10 504	
117 0 1118 0	Lavender Valley Road Lavender Valley Road	Spring Hill Drive Ria Court	Basil Ridge Court Warren Road	King City   No   5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-00999	827 827	169 8.5 308 8.0	10 2464	
205 0 198 0	Leonard Road Lilly Valley Crescent	Highway 9 Nicort Road	King - Simcoe County Boundary Nicort Road	King Twp. (Rural) No 5 King City No 5	High Class Bituminous Rural 60 km/h High Class Bituminous Urban 50 km/h	00200-00399	244 827	491 7.2 434 8.0	0 8.80 3535 0 3472	
200 0 011 3020	Lipchey Road Little Rebel Road	Keele Street 19th Sideroad	End (East) Rebellion Way	King Twp. (Rural) No -1 King Twp. (Rural) No 5	Gravel Semi-Urban Not Recorded High Class Bituminous Semi-Urban 50 km/h	00050-00199		886 6.2 295 7.0	0 7.90 6999	
043 291	Lloydtown/Aurora Road	Highway 27	Rebellion Way	King Twp. (Rural) No 5	High Class Bituminous Rural 50 km/h	00400-00999	659	1510 6.3	0 8.70 9513	
093 0 192 217	Loch Erne Lane Loch Erne Lane	Nobleton Lakes Drive Hilliard Grove	Hilliard Grove End (Cul-de-Sac)	King Twp. (Rural) No 6 King Twp. (Rural) No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	319	168 8.0 312 8.0	0 8.50 2496	
066 1126 003 109	Lockhart Lane Lorne Avenue	Kingscross Drive Kettleby Road	End (Cul-de-Sac) 165m N. of Kettleby Road	King City No 6 Kettleby No 6	High Class Bituminous Semi-Urban 40 km/h Low Class Bituminous Rural 40 km/h	00050-00199	72 94	292 6.7 167 4.0	0 5.00 668	
004 0 045 2016	Lorne Avenue Lynwood Crescent	Lorne Ávenue 235m N. of Norman Avenue	End (South) Hill Farm Road	Kettleby No 6 Nobleton No 6	High Class Bituminous Rural 40 km/h High Class Bituminous Urban 40 km/h	00000-00049	26 378	251 6.° 163 8.5		
079 2014	Lynwood Crescent	Royal Avenue	Norman Avenue	Nobleton No 6	High Class Bituminous Semi-Urban 40 km/h	00400-00999	467	107 7.0	0 8.60 749	
1142 2014 1241 2014	Lynwood Crescent Lynwood Crescent	King Road Norman Avenue	Royal Avenue 235m N. of Norman Avenue	Nobleton No 6 Nobleton No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00400-00999	467 467	110 7.0 234 7.0	0 8.60 1638	
0008 0 0089 2093	Macmurchy Avenue MacTaggart Drive	Albert Hill Court McCutcheon Avenue	End (Cul-de-Sac) Highway 27	Nobleton No 6 Nobleton No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	302 589	283 8.5 169 10.		
0053 3002 0173 0	Magnum Drive Mahaffy Court	Proctor Road Larkin Avenue	End (Cul-de-Sac)	Schomberg No 5 Nobleton No 6	Low Class Bituminous Semi-Urban 40 km/h High Class Bituminous Urban 40 km/h	01000-01999	1092	169 10. 367 7.3 300 8.0		
0004 3056	Main Street	Western Avenue	End (Cul-de-Sac) Ben Boy Avenue	Schomberg No 4	High Class Bituminous Urban 40 km/h	03000-03999	302 3980	144 10.	00 10.00 1440	
0013 3056 0041 3056	Main Street Main Street	Greco Ridge Lane Ben Boy Avenue	Highway 9 Greco Ridge Lane	Schomberg No 4 Schomberg No 4	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	03000-03999	3980 3980	71 10. 141 10.	00 10.00 1410	
045 0 051 3052	Main Street Main Street	Highway 27 Cooper Drive	Cooper Drive Church Street	Schomberg No 4 Schomberg No 4	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 50 km/h	03000-03999	3219 3414	236 10. 441 10.	00 2360 00 10.00 4410	Structure 0021 & 22
1058 3054 1067 3056	Main Street Main Street	Church Street Dr. Kay Drive	Dr. Kay Drive Western Avenue	Schomberg No 4 Schomberg No 4	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 50 km/h	03000-03999	3453 3980	484 10. 152 10.	00 10.00 4840 00 10.00 1520	Structure 0022
1136	Manitou Drive	Kingscross Drive	Fork	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00050-00199	167	620 6.7	0 9.70 4154	
087 1140 081 1138	Manitou Drive (East Cul-de-Sac) Manitou Drive (South Cul-de-Sac)	Fork Fork	End (Cul-de-Sac) End (Cul-de-Sac)	King City No 6 King City No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199 00050-00199	167 167	173 6.7 159 6.7	0 9.70 1065	
1027 3076 1026 3072 1043 3018	Mapleton Mills Drive Marchant Circle	Waterlily Trail Dr. Jones Drive	Waterlily Trail End (Cul-de-Sac)	Schomberg No 5 Schomberg No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	588 158 58	321 8.6 84 8.5 41 8.5	60 8.60 2761 60 8.50 714	
0043 3018 052.1 1094	Marlynn Court Martin Street	Moore Park Drive 160m W. of Norman Drive	End (Cul-de-Sac) Melrose Avenue	Schomberg No 6 King City No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Semi-Urban 40 km/h	00050-00199		41 8.5 197 9.0	60 8.50 349 10 9.00 1773	
052.2 1096	Martin Street  Martin Street	Norman Drive	160m W. of Norman Drive Norman Drive	King City No 6	High Class Bituminous Urban 40 km/h	00200-00399	358 358	160 8.5		
201 0	Mary Agar Court	Hambly Avenue Munsie Drive	End (Cul-de-Sac)	Nobleton No 6	High Class Bituminous Urban 40 km/h	00050-00199	358 160	258 8.5 161 8.0	0 1288	
030 3014 057 3014	Maynard Drive Maynard Drive	Cutler Court Highway 27	Moore Park Drive Cutler Court	Schomberg No 5 Schomberg No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	766 766	133 8.5 94 8.5	0 8.50 799	
029 1074 042 1062	McBride Crescent McBride Crescent	Patricia Drive Elizabeth Grove	Burton Grove Clearview Heights	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00200-00399	375 375	132 8.3 99 7.0	0 8.50 1096	·
070 1062	McBride Crescent	Clearview Heights	Patricia Drive	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00200-00399	375	100 7.0	0 8.50 700	
062 1110 100 1110	McClure Drive McClure Drive	Gillham Circle Curtis Crescent	Pellatt Grove Cambria Place	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h	00050-00199	168 168	86 8.5 175 8.5	60 8.50 1488	
104 1110 111 1110	McClure Drive McClure Drive	Cambria Place Pellatt Grove	Gillham Circle Curtis Crescent	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199 00050-00199	168 168	84 8.0 59 8.5	0 8.50 502	
62 1110 64 1110	McClure Drive McClure Drive	Curtis Crescent Aukland Lane	Aukland Lane Carmichael Crescent	King City No 6 King City No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199	168 168	205 8.0 94 8.0	00 8.50 1640 00 8.50 752	
29 1110 17 3012	McClure Drive McGuire Court	Keele Street Roselena Drive	Curtis Crescent End (Cul-de-Sac)	King City No 6 Schomberg No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199 00050-00199	168	411 8.0 119 8.5	0 8.50 3288	
32 1124	McKellar Lane	Kingscross Drive	End (Cul-de-Sac)	King City No 6	High Class Bituminous Semi-Urban 40 km/h	00000-00049	36 326	213 6.7	0 9.70 1427	
061 1092	Melrose Avenue Melrose Avenue	Martin Street Charles Street	Charles Street End (West)	King City No 5 King City No 6	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Semi-Urban 40 km/h	00200-00399	326	76 8.5	60 8.50 646	
184 1092 185 0	Melrose Avenue Middlehead Trail	John Street Giant Cedars Court	Martin Street School	King City No 5 Nobleton No 6	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Urban 40 km/h	00200-00399	326 458	147 8.5 44 8.7	0 383	
187 0 016 2058	Middlehead Trail Midway	Noble Oaks Court Hillside Drive	Giant Cedars Court End (Cul-de-Sac)	Nobleton No 6 Nobleton No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	458 32	77 8.1 196 8.5	0 670	
036 3015	Mill Dam Court	Roselena Drive	End (Cul-de-Sac)	Schomberg No 5	High Class Bituminous Urban 50 km/h	00200-00399	258	135 8.5	0 8.50 1148	Church 2000
052 171 156 71	Mill Road Mill Road	Humber Trail Elmpine Trail	King Road Humber Trail	King Twp. (Rural) No 4 King Twp. (Rural) No 4	Gravel   Rural   60 km/h     Gravel   Rural   60 km/h	00400-00999		900 6.0 376 6.0	0 7.30 2745	Structure 0309 & 03
75 130 106 0	Mill Road Mill Street	King - Vaughn Boundary Second Street	Elmpine Trail End (West)	King Twp. (Rural) No 4 Laskay No 6	Gravel Rural 60 km/h High Class Bituminous Rural 50 km/h	00400-00999	566 72	422 6.0 120 6.0		·
007 249 050 179	Mill Street Miller's Sideroad	Weston Road Bathurst Street	Second Street Dufferin Street	Laskay No 6 King Twp. (Rural) No 4	Low Class Bituminous Semi-Urban 50 km/h High Class Bituminous Rural 60 km/h	00050-00199	72 1197	68 6.0 2047 6.0	0 9.70 408	
003 3008	Moore Park Drive	Maynard Drive	Marlynn Court	Schomberg No 5	High Class Bituminous Urban 50 km/h	00400-00999	730	335 8.5	0 8.50 2848	
025 3008 034 3008	Moore Park Drive Moore Park Drive	Roselena Drive Marlynn Court	Maynard Drive End (Cul-de-Sac)	Schomberg No 5 Schomberg No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	730 730	167 8.5 131 8.5	0 8.50 1114	
063 3008 1249 293	Moore Park Drive Mount Mellick Drive	Cooper Drive James Morning Court	Roselena Drive Orlin Chappel Court	Schomberg No 5 King Twp. (Rural) No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 50 km/h	00400-00999	730 97	101 8.5 344 8.0	i0 8.50 859 i0 2752	Structure 0010
			End (Cul-de-Sac)	Pottageville No 6	High Class Bituminous Urban 40 km/h	00050-00199	53	106 8.5		
006 4014 171 0	Munshaw Court Munsie Drive	Cook Drive Oliver Emmerson Avenue	Mary Agar Court	Nobleton No 6	High Class Bituminous Urban 40 km/h	00200-00399		387 8.5	0 3290	

Appendix A - Road Inventory Database (Sorted by Road Name

nicipal ID Previous RNS ID	Name	Name From	Name To	Community	Boundary Maintenance Road Class	Surface Material Roadside Posted Speed Environment Limit (km/h)	AADT Range	AADT	Road Length (m)	(m) (m)	(m² calc.)	OSIM Culverts/Bridges
RD-0188 0 RD-0189 0	Nicort Road Nicort Road	Lilly Valley Crescent Terry View Drive	Adelia Place Lilly Valley Crescent	King City King City	No 5 No 5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 50 km/h	00400-0099	934 934	96 200	8.00 8.00	768 1600	
D-0197 0 D-0190 0	Nicort Road Noble Oaks Court	Dufferin Street Middlehead Trail	Lilly Valley Crescent End (Cul-de-Sac)	King City Nobleton	No 5 No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-0099	934 28	83 107	8.00 8.70	664 931	
D-0087 299	Nobleton Lakes Drive Nobleton Lakes Drive	Loch Erne Lane	End (Cul-de-Sac)	King Twp. (Rural)	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-0099	963 963	954 81	8.00 8.50 8.00 8.50	7632 648	
0-0220 235	Nobleton Lakes Drive	Highway 27 Earlwood Crescent	Loch Erne Lane	King Twp. (Rural) King Twp. (Rural)	No 5	High Class Bituminous Urban 40 km/h	00400-00999	963	50	8.00 8.50	400	
0-0033 2052 0-0043 2052	Nobleview Drive Nobleview Drive	Simon Henry Avenue Hillside Drive	End (North) Simon Henry Avenue	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-0039	256 256	62 139	8.50 8.50	527 1182	
D-0120 2052 D-0041 2028	Nobleview Drive Noblewood Drive	King Road Forestave Crescent	Hillside Drive Hollywood Crescent	Nobleton Nobleton	No 6 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	01000-01999	256 1752	221 184	8.50 6.40 9.00	1879 1178	
D-0078 2028 D-0147 2028	Noblewood Drive Noblewood Drive	Hollywood Crescent Greenside Drive	Greenside Drive Forestave Crescent	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 50 km/h	01000-01999	1752 1752	197 176	6.40 9.00 6.40 9.00	1261 1126	
RD-0106 0	Norcliffe Drive	Fairfield Drive	Scotch Valley Drive	King Twp. (Rural)	No 6	High Class Bituminous Urban 40 km/h	00000-00049	16	207	8.50 8.50	1760	Structure 0004,0005,0006,0007
RD-0009 2012	Norcliffe Drive Norman Avenue	Scotch Valley Drive Highway 27	End (Cul-de-Sac) Lynwood Crescent	King Twp. (Rural) Nobleton	No 6 No 5	High Class Bituminous Semi-Urban 50 km/h	00000-00049	292	68 251	8.00 8.50 5.80 7.60	544 1456	
RD-0076 1098 RD-0092 1098	Norman Drive Norman Drive	Hambly Avenue George Armstrong Lane	Martin Street Hambly Avenue	King City King City	No 5 No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-0099		413 105	8.50 8.50 8.00 8.50	3511 840	
RD-0086 2145 RD-0087 2145	Northcott Way Northcott Way	Westbrooke Boulevard Kaake Road	Skyline Trail Westbrooke Boulevard	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	466 466	161 95	8.00 8.50 8.00 8.50	1288 760	
RD-0117 2145 RD-0233 2145	Northcott Way Northcott Way	Skyline Trail New Scotland Court	New Scotland Court End (Cul-de-Sac)	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-0099	466 466	179 58	8.00 8.50 8.00 8.50	1432 464	
D-0058 349 D-0064 275	Old Bathurst Street Old Bathurst Street	Bathhurst Street 700m N. of Bathhurst Street	700m N. of Bathhurst Street 19th Sideroad	King Twp. (Rural) King Twp. (Rural)	No 6 No 5	High Class Bituminous Rural 40 km/h High Class Bituminous Rural 60 km/h	00050-0019	113	717 429	6.00 9.60 6.00 9.60	4302 2574	
tD-0005 247 tD-0009 251	Old Church Road Old Forge Road	Weston Road Centre View Avenue	End (East) End (West)	Laskay Laskay	No 6 No 6	Low Class Bituminous Semi-Urban 50 km/h Low Class Bituminous Semi-Urban 50 km/h	00000-00049	26	194 56	4.50 5.50 6.80 9.40	873 381	
tD-0027 2000	Old King Road	Highway 27 Munsie Drive	King Road	Nobleton	No 6	High Class Bituminous Urban 40 km/h	00400-00999	436	181	8.10 9.60 11.00	1466	
RD-0212 0 RD-0213 0	Oliver Emmerson Avenue Oliver Emmerson Avenue	Larkin Avenue	Larkin Avenue Ballard Drive	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-0039	302 302 302	179 280	8.50	1969 2380 2244	
ID-0214 0 ID-0215 0	Oliver Emmerson Avenue Oliver Emmerson Avenue	Ballard Drive Highway 27	Wilkie Avenue Munsie Drive	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-0039	302 302	204 130 183	11.00 11.00	2244 1430 1556	
ID-0034 2096 ID-0020 2130	O'Neill Court Paradise Valley Trail	Russell Snider Drive Anderson Cove Trail	End (Cul-de-Sac) Black Duck Trail	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-00199	86 458	79	8.50 8.50 8.70 8.70	687	
D-0020 2130 D-0155 2130 D-0156 2130	Paradise Valley Trail Paradise Valley Trail	Unnamed (Planned Road) West Coast Trail	West Coast Trail Anderson Cove Trail	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-0099	458 458	197 61	8.70 8.70 8.70 8.70 8.70 8.70	1714 531	
D-0175 0	Paradise Valley Trail	Fairmont Ridge Trail	Coppermine Court	Nobleton	No 6	High Class Bituminous Urban 40 km/h	00400-00999	458	111	8.50	944	
D-0021 2126	Paradise Valley Trail Parkheights Trail	Coppermine Court Parkheights Trail (Traffic Circle)	Unnamed (Planned Road) West Coast Trail	Nobleton Nobleton	No 6 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	458 838	264 144	8.70 11.00 11.70	2297 1584	
D-0111 2126 D-0168 2125 D-0177 2125	Parkheights Trail Parkheights Trail	James Bowman Court Blueberry Run Trail	Parkheights Trail (Traffic Circle) Parkheights Trail (Traffic Circle)	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	838 838	111 67	11.00 11.70 11.00 11.80	1221 737 1595	
D-0177 2125 D-0178 2125	Parkheights Trail Parkheights Trail	Middlehead Trail Highway 27	Kettle Valley Trail Middlehead Trail	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	838 838	145 179	11.00 11.80 14.20 11.80	2542	
D-0178 2125 D-0179 2125 D-0206 2126	Parkheights Trail Parkheights Trail	Kettle Valley Trail Black Duck Trail	Blueberry Run Trail James Bowman Court	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-0099	838 838	80 249	11.00 11.80 11.00 11.70	880 2739	
D-0208 2126 D-0209 2126	Parkheights Trail Parkheights Trail	West Coast Trail Anderson Cove Trail	Anderson Cove Trail Castle Mountain Court	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-0099	838 838	249 100 44	11.70 11.70 11.70 11.70	1170 515	
D-0210 2126	Parkheights Trail	Castle Mountain Court	Black Duck Trail	Nobleton	No 5	High Class Bituminous Urban 40 km/h	00400-00999	838	49	11.70 11.70	573	
D-0167 0 D-0157 0	Parkheights Trail (Traffic Circle) Parkheights Trail / Samson Trail (Traffic Circle)	Parkheights Trail Parkheights Trail	Parkheights Trail Parkheights Trail	Nobleton Nobleton	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 30 km/h	00400-00999	838	98 94	6.40 6.40	627 602	
0-0007 2002 0-0119 2002	Parkview Drive Parkview Drive	Ellis Avenue Crestview Road	Crestview Road End (East)	Nobleton Nobleton	No 5 No 5	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Semi-Urban 50 km/h	00400-00999	423 423	104 40	6.40 8.40 6.40 8.40	666 256	
0-0030 1066 0-0086 1060	Patricia Drive Patricia Drive	Crossley Court McBride Crescent	Burton Grove Elizabeth Grove	King City King City	No 5 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00400-0099	396	140 295	8.00 8.50 7.00 9.40	1120 2065	
-0136 1057 -0141 1066	Patricia Drive	Clearview Crescent	McBride Crescent Crossley Court	King City King City	No 6 No 5	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-0099	432	201 324	7.00 9.00 8.00 8.50	1407 2592	
0-0143 1066 0-0009 1016	Patricia Drive Patton Street	Burton Grove Hollingsworth Drive	Warren Road Kingslynn Drive	King City King City	No 5 No 5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-0099	747	217 104	8.50 8.50 8.00 8.50	1845 832	
0-0026 1016 0-0050 1018	Patton Street Patton Street	King Road	Hollingsworth Drive Warren Road	King City	No 5 No 5	High Class Bituminous Urban 40 km/h	01000-01999	1368 997	269 104	8.00 8.50 7.00 9.70	2152 728	
0-0082 1018	Patton Street	Kingslynn Drive Warren Road	Elizabeth Grove	King City King City	No 5	High Class Bituminous Semi-Urban 40 km/h	00400-0099	997	101	7.00 9.70	707	
0-0013 1116 0-0153 0	Pellatt Grove Peter Glass Road	McClure Drive King Road	End (Cul-de-Sac) James Stokes Court	King City King City	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-0019	72 341	101 203	8.00 8.50 8.00	808 1624	
0-0194 0 0-0195 0	Petersen Place Petersen Place	Di Meo Lane Di Meo Lane	End (East) End (West)	Nobleton Nobleton	No -1 No -1	High Class Bituminous Urban Not Recorded High Class Bituminous Urban Not Recorded	00050-0019	143 143	24 31	7.50 7.50	180 233	
D-0080 2144 D-0003 256	Piper Court Prince Adam Court	Skyline Trail Centre View Avenue	End (Cul-de-Sac) End (Cul-de-Sac)	Nobleton Laskay	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00050-0019	66 171	77 104	8.00 8.50 7.50 9.50	616 780	
D-0004 256 D-0054 3000	Prince Adam Court Proctor Road	Centre View Avenue Dillane Drive	End (Cul-de-Sac) End (Cul-de-Sac)	Laskay Schomberg	No 6 No 5	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Urban 40 km/h	00050-00199	171 2140	104 107	7.50 9.50 8.50	780 910	
0-0062 3000	Proctor Road	Magnum Drive	Dillane Drive	Schomberg	No 5	High Class Bituminous Urban 40 km/h	02000-02999	2140	131	8.50	1114	
0-0065 3000 0-0031 215	Proctor Road Pumphouse Road	Highway 27 Graham Sideroad	Magnum Drive End (Canal)	Schomberg King Twp. (Rural)	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Rural 50 km/h	02000-02999	2140 1715	157 1438	8.50 6.50 9.50	1335 9347	
0-0023 3013 0-0008 3026	Quaker House Lane Queen Street	Roselena Drive Rebellion Way	End (Cul-de-Sac) 10th Concession	Schomberg Lloydtown	No 6 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 50 km/h	00050-00199	186 231	99 247	8.50 8.50 5.00 7.10	842 1235	
0-0157 0 0-0002 3024	Raymond Love Court Rebellion Way	James Stokes Court Centre Street	End (Cul-de-Sac) Queen Street	King City Lloydtown	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Semi-Urban 40 km/h	00200-0039	341	146 80	8.00	1168 520	
0-0003 3022 0-0004 3022	Rebellion Way Rebellion Way	Church Street Lloydtown/Aurora Road	Little Rebel Road Church Street	Lloydtown King Twp. (Rural)	No 6 No 4	High Class Bituminous Semi-Urban 50 km/h High Class Bituminous Semi-Urban 60 km/h	00050-0019	139 632	133 186	6.50 10.10 6.70 12.70 6.70 12.70	891 1246	Structure 0220
0-0005 3022	Rebellion Way	Little Rebel Road	Centre Street End (North)	Lloydtown	No 6	High Class Bituminous Semi-Urban 50 km/h	00050-00199	139	104	6.70 12.70	697	
0-0006 3034 0-0159 0	Rebellion Way Ria Court	Queen Street Lavender Valley Road	Spring Hill Drive	Lloydtown King City	No 6 No 5	High Class Bituminous Urban 40 km/h	00000-0004	22 827	102 291	4.50 5.50 8.00	459 2328	
D-0160 0 D-0032 3006	Ria Court Rice Drive	Spring Hill Drive Cooper Drive	End (Cul-de-Sac) End (Loop)	King City Schomberg	No 5 No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00400-00999	827 171	124 227	8.00 8.50 8.50	992 1930	
0-0088 0 0-0102 0	Richard Serra Court Richard Serra Court	Chuck Ormsby Crescent Austin Rumble Court	Chuck Ormsby Crescent Chuck Ormsby Crescent	King City King City	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-0039	243 243	196 181	8.00 8.00	1568 1448	
-0109 0 -0215 0	Richard Serra Court Robert Berry Crescent	Austin Rumble Court Burns Boulevard	End (Cul-de-Sac) 100m E. of Burns Boulevard	King City King City	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-0039	243 290	247 97	8.00 8.00	1976 776	-
-0216 0	Robert Berry Crescent	Bri Way	710m to Robert Berry Crescent Intersection 210m S. of Bri Way	King City	No 6	High Class Bituminous Urban 40 km/h	00200-00399	290	708	8.00	5664 1664	
1-0218 0 1-0047 2104	Robert Berry Crescent Robinson Road	Bri Way Ellis Avenue	Wilkie Avenue	King City Nobleton	No 6 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 50 km/h	00200-00399	290 603	208 540	8.00 8.50 8.50	4590	
-0010 252 -0133 0	Rolling Court Ron Coles Lane	Laskay Mills Drive Chuck Ormsby Crescent	End (Cul-de-Sac) Chuck Ormsby Crescent	Laskay King City	No 6 No 6	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	00050-0019 00050-0019	171 160	206 157	8.00 8.50 8.00	1648 1256	
-0001 3079 -0068 3079	Rose Cottage Lane Rose Cottage Lane	Waterlily Trail Summit Ridge Drive	Summit Ridge Drive Ben Boy Avenue	Schomberg Schomberg	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 50 km/h	00400-00999	841 841	134 87	8.60 8.60 8.60 8.60	1152 748	
0069 3079 0007 3010	Rose Cottage Lane Roselena Drive	Dr. Kay Drive Moore Park Drive	Waterlily Trail McGuire Court	Schomberg Schomberg	No 5 No 5	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00400-00999	841 1441	140 150	8.60 8.60 8.50 8.50	1204 1275	
0024 3011 0042 3011	Roselena Drive Roselena Drive	Mill Dam Court Mill Dam Court	80m E. of Mill Dam Court Quaker House Lane	Schomberg Schomberg	No 5 No 5	High Class Bituminous Urban 50 km/h High Class Bituminous Urban 40 km/h	01000-01999	1441 1441	78 222	8.50 8.50 8.50 8.50	663 1887	
0060 3011 0070 3010	Roselena Drive Roselena Drive	Quaker House Lane McGuire Court	End (Cul-de-Sac) 80m E. of Mill Dam Court	Schomberg Schomberg	No 5 No 5	High Class Bituminous Urban 40 km/h	01000-01999	1441	225 132	8.50 8.50 8.50 8.50	1913 1122	Structure 0226
0030 2010	Royal Avenue	King Road	Lynwood Crescent	Nobleton	No 6	High Class Bituminous Semi-Urban 40 km/h	00050-0019	175	217	6.00 8.00	1302	Suuciule 0226
0065 319 0006 0	Rupke Road Russell Snider Drive	Highway 9 Kehoe Court	End (Canal) 55m N. of Kehoe Court	King Twp. (Rural) Nobleton	No 4 No 6	High Class Bituminous Urban 40 km/h	00200-0039	387	448 55	6.20 9.30 8.50	2778 468	
0040 2095 0058 2100	Russell Snider Drive Russell Snider Drive	O'Neill Court Sunset Drive	Kehoe Court Sheardown Drive	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-0019	199 225	129 226	8.50 8.50 8.50 8.50	1097 1921	
0084 2100 0130 2095	Russell Snider Drive Russell Snider Drive	Broad Way 40m N. of Sheardown Drive	Sunset Drive O'Neill Court	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-0039	225	296 101	8.50 8.50 8.50 8.50	2516	
0247 2094 0169 2132	Russell Snider Drive Samson Trail	Sheardown Drive Parkheights Trail (Traffic Circle)	40m N. of Sheardown Drive	Nobleton Nobleton	No 6 No 6	High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h High Class Bituminous Urban 40 km/h	00050-0019	199	38 164	8.50 8.50 8.80 8.80	859 323 1443	
0182 2132 0189 2132	Samson Trail Samson Trail Samson Trail	Fairmont Ridge Trail (Traffic Circle)	Bighorn Trail	Nobleton	No 6	High Class Bituminous Urban 40 km/h	00400-00999	458	164 173 80	8.80 8.80 8.80 8.80 8.80 8.80	1522 704	
0183 43	Scotch Valley Drive	Bighorn Trail Norcliffe Drive	Unnamed (Planned Road) End (Cul-de-Sac)	Nobleton King Twp. (Rural)	No 6 No 6	High Class Bituminous Urban 40 km/h	00400-0099	16	495	8.00 8.50	3960	
0226 259 0084 0	Scott Crescent Sculptors Gate	Collard Drive (West Intersection) Keele Street	Collard Drive (East Intersection) Chuck Ormsby Crescent	King City King City	No 6 No 6	High Class Bituminous Semi-Urban 40 km/h High Class Bituminous Urban 40 km/h	00200-00399	486	699 112	6.40 9.80 12.50	4474 1400	
-0013 250 -0005 4002	Second Street Shanks Drive	Mill Street Cook Drive	End (South) End (East)	Laskay Pottageville	No 6 No 6	Low Class Bituminous Semi-Urban 50 km/h High Class Bituminous Urban 40 km/h	00050-0019		65 83	6.00 9.70 8.50 8.50	390	
I-0132 111 I-0170 0	Showa Court Sim Hill Crescent	Highway 9 Stan Roots Street	End (Cul-de-Sac) Stan Roots Street	King Twp. (Rural)	No 5 No 6	High Class Bituminous Rural 50 km/h High Class Bituminous Urban 40 km/h	00400-0099	672	67 277	26.00 8.00	706 1742 2216	
	Simcoe Road	Brule Trail	End (Cul-de-Sac)	King Twp. (Rural)	No 6	Low Class Bituminous Semi-Urban 40 km/h	00050-00199		225	6.70 9.70	2216 1507	

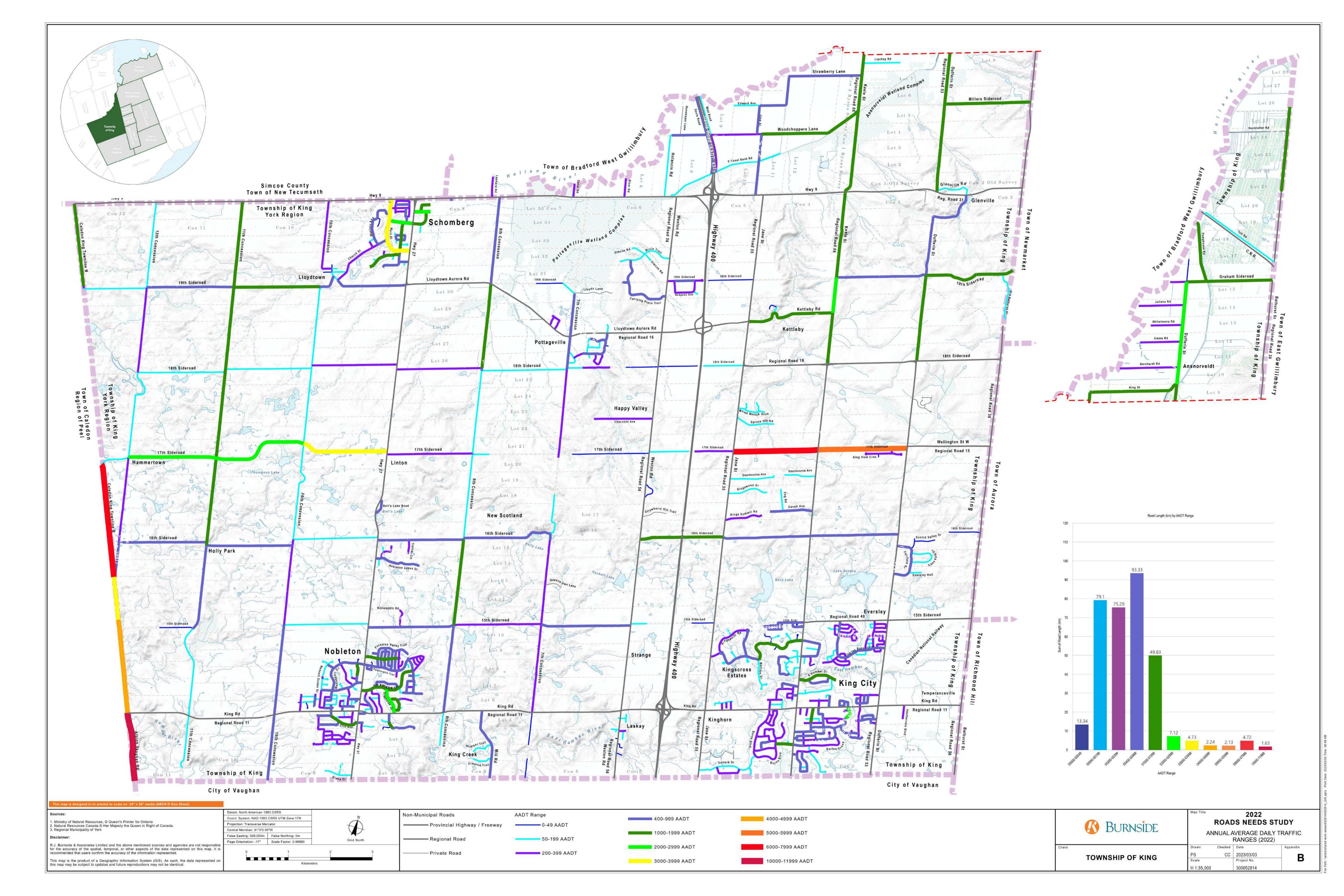
Appendix A - Road Inventory Database (Sorted by Road Name

nicipal ID Previous RNS ID	Name	Name From	Name To	Community	Boundary Maintenance Road Class	Surface Material	Roadside	Posted Speed	AADT	AADT	Road Length	Road Width	Platform Width Surface Area	OSIM Culverts/Bridges
RRD-0098 2056	Simon Henry Avenue	Cedarwood Crescent	Nobleview Drive	Nobleton	Road Class No 6	High Class Bituminous	Urban Urban	Limit (km/h) 40 km/h	Range 00050-00199	61	(m) 336	(m) 8.50	(m) (m² calc.) 8.50 2856	OSIM Culverta/Bridges
RD-0190 0	Sir Henry Court	Elmers Lane	End (Cul-de-Sac)	King City	No 5	High Class Bituminous	Urban	40 km/h	00400-00999	519	129 247	8.00	8.50 2856 1032 1976	
RD-0230 0 RD-0082 2141	Sir Henry Court Skyline Trail	Lake Marie Trail Piper Court	Elmers Lane Greenlaw Lane	King City Nobleton	No 5 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	519 466	247 56	8.00 8.00	1976 8.70 448	
RD-0083 2141	Skyline Trail	Greenlaw Lane	Northcott Way	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00400-00999	466	141	8.00	8.70 1128	
RD-0091 2139 RD-0110 2141	Skyline Trail Skyline Trail	Parkheights Trail (Traffic Circle) Westbrooke Boulevard	Bluff Trail (Traffic Circle) Piper Court	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	466 466	269 96	8.00 8.00	8.60 2152 8.70 768	
RD-0113 2141	Skyline Trail	Bluff Trail (Traffic Circle)	Aspen King Court	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00400-00999	466	104 118	8.00	8.70 832	
RD-0115 2141	Skyline Trail / Bluff Trail / Hill farm Road (Traffic Circle	Aspen King Court	Westbrooke Boulevard Skyline Trail	Nobleton Nobleton	No 6 No 6	High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	466	118	8.00 6.70	8.70 944	
RD-0128 1149	Snowberry Lane	Skyline Trail Kingscross Drive	End (Loop)	King City	No 6	High Class Bituminous High Class Bituminous	Semi-Urban	40 km/h	00050-00399	361 58	99 179	7.00	9.00 1253	
RD-0038 69	South Canal Bank Road	Wist Road	Jane Street	King Twp. (Rural)	No 6	High Class Bituminous	Rural	50 km/h	00050-00199	155	1070	5.70	6.70 6099	
RD-0044 349 RD-0206 161	South Canal Bank Road South Canal Bank Road	Davis Road Jane Street	Highway 400 End (East)	King Twp. (Rural) King Twp. (Rural)	No 6 No 6	Low Class Bituminous Gravel	Rural Rural	50 km/h 15 km/h	00050-00199	155 155	65 544	5.70 6.80	6.70 370 7.80 4243	Structure 0325
RD-0215 45	South Canal Bank Road	Highway 9	Davis Road	King Twp. (Rural)	No 6	High Class Bituminous	Rural	50 km/h	00050-00199	155	1127	7.20	8.10 8114	Olidolalo dozo
RD-0259 18 RD-0116 0	South Canal Bank Road Spring Hill Drive	Highway 400 King Road	Wist Road Adelia Place	King Twp. (Rural) King City	No 5 No 6	Low Class Bituminous High Class Bituminous	Rural Urban	60 km/h 40 km/h	00050-00199	155 290	55 332	5.70 8.00	6.70 313 2656	
RD-0120 0	Spring Hill Drive	Adelia Place	Lavender Valley Road	King City	No 5	High Class Bituminous	Urban	50 km/h	00200-00399	290	311	8.50	2644	
RD-0161 0 RD-0002 0	Spring Hill Drive	Lavender Valley Road	Ria Court	King City Laskay	No 5 No 6	High Class Bituminous High Class Bituminous	Urban Rural	50 km/h 50 km/h	00200-00399	290 26	116 65	8.70 3.50	1009 228	
RD-0002 0	Spring Street Sproule Street	Weston Road Dillane Drive	End (West) End (Cul-de-Sac)	Schomberg	No 6	High Class Bituminous	Urban	40 km/h	00050-00049	72	207	8.50	1760	
RD-0134 301 RD-0171 0	Spruce Hill Road Stan Roots Street	300m E. of Jane Street	End (East)	King Twp. (Rural)	No 5 No 6	Gravel	Rural	60 km/h 40 km/h	00050-00199	82	632 78	6.00 8.00	8.00 5056	
RD-01/1 0 RD-01/2 0	Stan Roots Street Stan Roots Street	King Road Sim Hill Crescent	Sim Hill Crescent Sim Hill Crescent	King City King City	No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	290 290	115	8.00	624 920	
RD-0173 0	Stan Roots Street	Sim Hill Crescent	Tatton Court	King City Nobleton	No 6 No 6	High Class Bituminous	Urban	40 km/h	00200-00399	290 302	88	8.00	704 935	
RD-0062 0 RD-0148 1154	Starrett Street Station Road	Larkin Avenue Burton Grove	Mary Agar Court West Street	Nobleton King City	No 4	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 60 km/h	00200-00399	1462	110	8.50 10.30	10.30 1432	
RD-0204 1156	Station Road	West Street	Burns Boulevard	King City King City	No 5	High Class Bituminous High Class Bituminous	Urban	40 km/h	01000-01999 01000-01999	1462	139 284	9.80	10.30 1432 9.80 2783	Structure 0016
RD-0128 95 RD-0046 3077	Strawberry Lane Summit Ridge Drive	Keele Street Dufferin Vista Court	Aileen Avenue Rose Cottage Lane	King Twp. (Rural) Schomberg	No 5 No 6	High Class Bituminous High Class Bituminous	Rural Urban	60 km/h 40 km/h	00400-00999	415 329	1739 245	6.70 8.70	7.90 11651 8.70 2131	Structure 0216 & 0312
RD-0025 0	Sunbloom Street	Tatton Court	End (North)	King City	No 6 No 6	High Class Bituminous	Urban Urban	50 km/h	00050-00199 00050-00199	58 191	41 125	8.50 8.50	349	
RD-0077 2102 RD-0016 0	Sunset Drive	Russell Snider Drive Dufferin Street	Cedarwood Crescent 155m W. of Dufferin Street	Nobleton	No 6	High Class Bituminous	Urban	40 km/h 40 km/h	00050-00199	191	125	8.50	8.50 1063 1264	
RD-0019 0	Tatton Court Tatton Court	Stan Roots Street	End (Cul-de-Sac)	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h	00200-00399 00200-00399	346 346	158 172	8.00 8.00	1264 1376	
RD-0024 0 RD-0169 0	Tatton Court	Sunbloom Street	Wells Orchard Crescent	King City	No 6 No 6	High Class Bituminous	Urban	40 km/h	00200-00399	346 346	53	8.00 8.00	424 680	
RD-0169 0 RD-0178 0	Tatton Court Tatton Court	Claudview Street Wells Orchard Crescent	Stan Roots Street Claudview Street	King City King City	No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399 00200-00399	346	85	8.00	712	
RD-0233 0	Tatton Court	155m W. of Dufferin Street	Sunbloom Street	King City	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	346	57	8.50	485	
RD-0040 1188 RD-0144 0	Tawes Trail Tawes Trail	Jenkinson Grove Jenkinson Grove	End (Cul-de-Sac) End (West)	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00000-00049	43	112 18	8.00 8.00	8.50 896 144	
RD-0124 0	Terry View Drive	Valley Point Crescent	End (South)	King City	No 5	High Class Bituminous	Urban	50 km/h	00400-00999	423	25	8.00	200	
RD-0125 0 RD-0146 2134	Terry View Drive Thomas Noble Court	Nicort Road Black Duck Trail	Valley Point Crescent End (Cul-de-Sac)	King City Nobleton	No 5 No 6	High Class Bituminous High Class Bituminous	Urban Urban	50 km/h 40 km/h	00400-00999	423 329	91 193	8.00 8.60	728 8.60 1660	
RD-0093 2143 RD-0209 0	Tidnish Court Tiero Court	Aspen King Court	End (Cul-de-Sac)	Nobleton King City		High Class Bituminous	Urban	40 km/h	00400-00399	466	124 41	8.00	8.70 992	
RD-0209 0 RD-0244 0	Tiero Court Toll Road	Langdon Drive	End (Cul-de-Sac)	King City	No 6 No 6	High Class Bituminous	Urban Rural	40 km/h 60 km/h	00050-00199	72 74		8.00 4.00	328 5.00 10255	
RD-0003 320	Trainor Court	Bathurst Street 16th Sideroad	Highway 11 End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)	No 5 No 6	Gravel High Class Bituminous	Urban	40 km/h	00200-00199	228	2051 334	8.50	8.50 2839	
RD-0123 0 RD-0064 1078	Valley Point Crescent	Terry View Drive	End (Cul-de-Sac)	King City King City	No 5 No 6	High Class Bituminous	Urban Urban	50 km/h 40 km/h	00200-00399	215 58	133 90	8.00 8.00	1064	
RD-0064 1078 ID-0010 3036	Valleycrest Drive Victoria Street	Dennison Street Queen Street	End (Cul-de-Sac) End East	Lloydtown	No 6	High Class Bituminous High Class Bituminous	Urban	40 km/n 50 km/h	00050-00199	81	133	4.50	8.50 720 5.50 599	
RD-0001 1170	Walkington Way	Burns Boulevard	Langdon Drive	King City	No 6 No 6	High Class Bituminous	Urban	50 km/h 40 km/h	00200-00399	240	198	8.50	8.50 1683	
RD-0091 1170 RD-0012 0	Walkington Way Warren Road	Langdon Drive 120m E. of Patton Street	Dennis Drive Banner Lane	King City King City	No 6 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399 00400-00999	240 844	230 189	8.50 8.00	8.50 1955 1512	
RD-0015 1034	Warren Road Warren Road	50m N. of Bennet Drive	Cadden Court	King City King City	No 5 No 5	High Class Bituminous High Class Bituminous	Urban Urban	50 km/h	02000-02999	2210 2210	245	8.50	8.50 2083 8.50 566	
RD-0054 1034 RD-0096 1030	Warren Road	Cadden Court Patricia Drive	Alex Campbell Crescent	King City	No 5	High Class Bituminous	Urban	40 km/h	02000-02999	2210	69	8.20	8.50 566 9.50 1294	
RD-0122 1032	Warren Road Warren Road	Banner Lane	Lavender Valley Road Patricia Drive	King City King City	No 5 No 5	High Class Bituminous High Class Bituminous	Urban Urban	50 km/h 40 km/h	00400-00999	827 827	151 254	8.50 8.00	8.50 1284 8.50 2032	
RD-0142 1030 RD-0234 1030	Warren Road Warren Road	Lavender Valley Road Bennet Drive	Bennet Drive 50m N. of Bennet Drive	King City King City	No 5 No 5	High Class Bituminous High Class Bituminous	Urban Urban	50 km/h 40 km/h	00400-00999	827 827	232 47	8.50 8.00	8.50 1972 8.50 376	
RD-0244 1029	Warren Road	Patton Street	120m E. of Patton Street	King City King City King City	No 5	High Class Bituminous	Semi-Urban	40 km/h	00400-00999			7.30	8.80 883	
RD-0053 1146 RD-0020 3080	Watch Hill Road	Champlain Crescent	Kingsworth Road	King City	No 5 No 5 No 6	High Class Bituminous	Semi-Urban Urban	40 km/h 40 km/h	00400-00999	827 676	121 734 82	6.60 8.60	8.20 4844 8.60 705	
RD-0033 3080	Waterlily Trail Waterlily Trail	Ben Boy Avenue Mapleton Mills Drive	Mapleton Mills Drive Mapleton Mills Drive	Schomberg Schomberg		High Class Bituminous High Class Bituminous	Urban	40 km/h	00200-00399	329 329		8.60		
RD-0035 3080	Waterlily Trail	Rose Cottage Lane	Ben Boy Avenue	Schomberg	No 6 No 6	High Class Bituminous	Urban	40 km/h	00200-00399	329 329	463 272	8.60	8.60 2339	
RD-0064 3080 RD-0025 2129	Waterlily Trail Wedgeport Court	Mapleton Mills Drive Black Duck Trail	Ben Boy Avenue End (Cul-de-Sac)	Schomberg Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban	40 km/h 40 km/h	00200-00399	329 458	91 263	8.60 8.70	8.60 783 8.70 2288	
RD-0011 4016	Weedon Court Wellar Avenue	Cook Drive	End (Cul-de-Sac)	Pottageville Nobleton	No 6 No 6	High Class Bituminous	Urban	40 km/h	00050-00199	115 270	222 379	8.50	8.50 1887	
RD-0133 0 RD-0143 2024	Wellar Avenue Wellar Avenue	King Road 90m N. of Cross Avenue	Cross Avenue Hill Farm Road	Nobleton Nobleton		High Class Bituminous High Class Bituminous	Semi-Urban Urban	40 km/h 40 km/h	00200-00399		379 274	8.00 8.00	3032 8.50 2192	
RD-0243 2023	Wellar Avenue	Cross Avenue	90m N. of Cross Avenue	Nobleton	No 6 No 6	High Class Bituminous	Urban	40 km/h	00200-00399	343 343	87	8.00	8.50 696	
RD-0031.1 2040 RD-0031.2 2042	Wellington Street	80m S. of Faris Avenue Faris Avenue	Ellis Avenue 80m S. of Faris Avenue	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Semi-Urban	40 km/h 40 km/h	00200-00399	253 253	107 81	8.00 6.90	8.50 856 7.90 559	
RD-0063 2042	Wellington Street Wellington Street	King Road	Faris Avenue	Nobleton	No 6	High Class Bituminous	Semi-Urban	40 km/h	00200-00399	253	147	7.00	7.90 1029	
RD-0174 0	Wells Orchard Crescent	Claudview Street	Tatton Court	King City	No 6	High Class Bituminous	Urban	40 km/h 40 km/h	00400-00999	423	264	8.00	2112 808	
RD-0175 0 RD-0083 131	Wells Orchard Crescent West Canal Bank Road	Sim Hill Crescent Highway 9	King - Simcoe County Boundary	King City King Twp. (Rural)	No 6 No 5	High Class Bituminous Low Class Bituminous	Urban Rural	40 km/h 50 km/h	00400-00999	423 244	101 324	8.00 5.50	8.00 1782	
RD-0024 0	West Coast Trail	Fairmont Ridge Trail Black Tusk Trail	Paradise Valley Trail Fairmont Ridge Trail	Nobleton Nobleton	No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h	00400-00999	838	198 181	8 70	1723 1575	
ID-0158 0 ID-0204 0	West Coast Trail West Coast Trail	Black Tusk Trail Parkheights Trail	Fairmont Ridge Trail Black Tusk Trail	Nobleton Nobleton	No 5 No 5	High Class Bituminous	Urban	40 km/h 40 km/h	00400-00999 00400-00999	838 838	181 98	8.70 8.70	853	
D-0010 0	West Street	Parkheights Trail Station Road	Fourth Street	Nobleton King City	No 6	High Class Bituminous High Class Bituminous	Urban Urban	30 km/h	00050-00199	72	70	6.00	420	
D-0107 2142 D-0149 2142	Westbrooke Boulevard Westbrooke Boulevard	Greenlaw Lane Northcott Way	Skyline Trail Greenlaw Lane	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	466 466	289 147	8.00 8.00	8.50 2312 8.50 1176	
0-0014 3028	Western Avenue	Elmwood Avenue	Brownsville Court	Schomberg Schomberg	No 5 No 5	High Class Bituminous	Urban Urban	50 km/h	00400-00999	793 842	562 491	8.50	4777	
D-0015 3028 D-0019 3046	Western Avenue Western Avenue	Brownsville Court Church Street	Main Street Elmwood Avenue	Schomberg Schomberg	No 5 No 5	High Class Bituminous High Class Bituminous	Urban	40 km/h 40 km/h	00400-00999 00400-00999	842 611	491 165	8.50 8.50	8.50 4174 8.50 1403	Structure 0227
D-0073 1147	Westgate Boulevard	Jane Street	Westgate Circle	King City	No 6	High Class Bituminous	Semi-Urban	40 km/h	00200-00399	219	260	8.50 6.00	8.20 1560	
0-0043 0	Westgate Circle	Kingsworth Road	Westgate Boulevard	King City	No 5	High Class Bituminous	Rural	40 km/h	00400-00999	884	16	8.00	128	-
D-0067 0 D-0080 0	Westgate Circle Westgate Circle	Kingscross Drive Westgate Boulevard	Kingsworth Road Kingscross Drive	King City King City	No 5 No 5	High Class Bituminous High Class Bituminous	Semi-Urban Semi-Urban	40 km/h 40 km/h	00400-00999 00400-00999	884 884	58 54	8.00 6.00	464 324	
D-0237 117 D-0005 2106	Wilhelmena Road Wilkie Avenue	Dufferin Street Robinson Road	End (Canal)	King Twp. (Rural) Nobleton	No 4	Gravel	Rural Urban	80 km/h 40 km/h	00200-00399	253 302	758	5.10 8.50	6.10 4624	Structure 0316
D-0151 2106	Wilkie Avenue	Ellis Avenue	Ballard Drive Robinson Road	Nobleton	No 6	High Class Bituminous High Class Bituminous	Urban	40 km/h	00200-00399	302	299 216	8.50	8.50 2542 8.50 1836	
0-0172 2106	Wilkie Avenue	Larkin Avenue	Albert Hill Court	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00200-00399	302	102	8.50	8.50 867	
D-0198 2106 D-0200 2106	Wilkie Avenue Wilkie Avenue	Ballard Drive Oliver Emmerson Avenue	Oliver Emmerson Avenue Larkin Avenue	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00200-00399	302 302	99 97	8.50 8.00	8.50 842 8.50 776	
0-0066 3074	Willard Hunt Court	Dr. Jones Drive	End (Cul-de-Sac)	Schomberg	No 6	High Class Bituminous	Urban	50 km/h	00050-00199	186	74	8.50	8.50 629	
D-0089 1008 D-0139 1004	William Street William Street	Dew Street Banner Lane	End (Cul-de-Sac)  Dew Street	King City King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Semi-Urban	40 km/h 40 km/h	00050-00199	58 341	59 165	8.20 7.30	8.50 484 9.40 1205	
D-0091 209	William's Court	Hodgson Avenue	End (Cul-de-Sac)	King Twp. (Rural)	No 6	Low Class Bituminous	Semi-Urban	40 km/h	00050-00199	86	126	6.70	9.70 844	Structure 0209
D-0057 2074	Wilsen Road	Henley Drive	Hazelbury Drive	Nobleton	No 6	High Class Bituminous	Urban	40 km/h	00400-00999	450 450	94	8.50 8.50	8.50 799	
RD-0196 2074 RD-0197 2074	Wilsen Road Wilsen Road	Highway 27 Di Meo Lane	Di Meo Lane Henley Drive	Nobleton Nobleton	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	00400-00999	450	120 75	8.50	8.50 1020 8.50 638	
RD-0186 257	Winter Road	Collard Drive	Henley Drive End (Cul-de-Sac)	Nobleton King City	No 6 No 6	High Class Bituminous High Class Bituminous	Urban Semi-Urban	40 km/h	00050-00199	450 86	75 198	8.50 6.40	8.50 638 9.80 1267	
RD-0112 77 RD-0231 63	Wist Road Wist Road	South Canal Bank Road Woodchoppers Lane	Woodchoppers Lane King-Simcoe County Boundary	King Twp. (Rural) King Twp. (Rural)	No 5 No 4	High Class Bituminous High Class Bituminous	Rural Rural	50 km/h 80 km/h	00200-00399 00050-00199	287 193	900 963	6.50 6.70	8.00 5850 7.70 6452	
D-0079 241	Woodchoppers Lane	Jane Street Keele Street	Jane Street 900m S. of Keele Street	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous High Class Bituminous	Rural Rural	60 km/h 50 km/h	00200-00399 01000-01999	326 1041	112 893	6.70 5.80	7.70 6432 7.70 750 9.10 5179	
D-0088 19 D-0186 185	Woodchoppers Lane	Keele Street	900m S. of Keele Street Wist Road	King Twp. (Rural)	No 5	High Class Bituminous	Rural	50 km/h 60 km/h	01000-01999	1041	893	5.80	9.10 5179 7.70 7336	Structure 0212
ID-0190 25	Woodchoppers Lane Woodchoppers Lane	Jane Street 1.4km W. of Keele Street	Jane Street	King Twp. (Rural) King Twp. (Rural)	No 5 No 5	High Class Bituminous High Class Bituminous	Rural Rural	50 km/h	00200-00399 01000-01999	326 1041	1095 1098	6.70 6.90	8.40 7576	
ID-0262 91 ID-0013 2119	Woodchoppers Lane	900m S. of Keele Street	1.4km W. of Keele Street	King Twp. (Rural)	No 5 No 5	High Class Bituminous High Class Bituminous	Rural Urban	50 km/h	01000-01999 01000-01999	1041	476 130	5.80 8.00	9.10 2761 8.50 1040	
ID-0013 2119 ID-0028 2118	Woodhill Avenue Woodhill Avenue	Farmcrest Court King Road	Gilbert Fuller Drive Farmcrest Court	Nobleton Nobleton	No 5 No 5	High Class Bituminous High Class Bituminous	Urban Urban	40 km/h 40 km/h	01000-01999	1056 704	130 195	8.00 9.60	8.50 1040 10.20 1872	
RD-0127 2119	Woodhill Avenue	Gilbert Fuller Drive	Hawthorne Valley Road	Nobleton	No 5	High Class Bituminous		40 km/h	01000-01999	1056	62	8.00	8 50 496	



**Appendix B** 

**AADT Map** 





# **Appendix C**

# **Distress Factors for Road Conditions Assessment**

### **APPENDIX C**

# Distress Factors for Road Condition Assessment Calculation of Distress Manifestation Index (DMI) and Pavement Condition Index (PCI)

### **Weighting Factors**

	Weighting	Distress Manifestation For Surface Treated	Weighting		Weighting Factor
Distress Manfestation For Asphalt Roads	Factor (W)	Roads	Factor (W)	Distress Manifestation For Gravel Roads	(W)
Ravelling and course aggesgate loss	3.0	Cover Aggregate Loss	3.0	Flat/reversse crown	2.0
Flushing	1.5	Flushing	2.0	Loose gravel	1.5
Rippling and showing	1.0	Rippling and Shoving	2.0	Dust	0.5
Wheel track rutting	3.0	Wheel track rutting	3.0	Break-up	3.0
Distortion	3.0	Distortion	3.0	Washboarding	1.0
Longitundinal wheel track - single/multiple cracking	1.5	Streaking	1.0	Rutting	3.0
Longitundinal wheel track - alligator cracking	3.0	Alligator Cracking	3.0	Distortion	3.0
Centerline - single/multiple cracking	0.5	Edge Cracking	1.0	Potholes	2.0
Centerline - alligator cracking	2.0	Edge Break	2.0		
Pavement edge - single/multiple cracking	0.5	Transverse Cracking	0.5		
Pavement edge - alligator cracking	1.5	Longitudinal Cracking	1.0		
Transverse - singel/multiple cracking	1.0	Potholing	1.0		
Transverse - alligator cracking	3.0				
Longitudinal, meander and midlane cracking	1.0				
Random cracking	0.5				

### **Density Factors**

### **Severity Factors**

### **Ride Condtion Rating Factors**

Density of Distress Asphalt or Gravel Roads)	Density Factor (D)	Severity of Distress (Asphalt or Gravel Roads)	Severity Factor (S)	Ride Condition Rating (RCR)	Factor
Few (<10%)	0.5	Very Slight	0.5	Very Poor	1
Intermittent (10 to 20%)	1.0	Slight	1.0	Poor	2 to 3
Frequent (20 to 40%)	2.0	Moderate	2.0	Fair	4 to 6
Extensive (40 to 80%)	3.0	Severe	3.0	Good	7 to 9
Throughout (>80%)	4.0	Very Severe	4.0	Very Good	10

### **Empirical Formulae For Calculation of Distress Manifestation Index (DMI)**

Surface Type	Formulae For Distress Manifestation Index (DMI)
Asphalt	DMI = 10 x (208 - summation of W x (D+S))/208
Surface Treatment or Gravel or Earth	DMI = 10 x (135 - summation of W x (D+S))/135

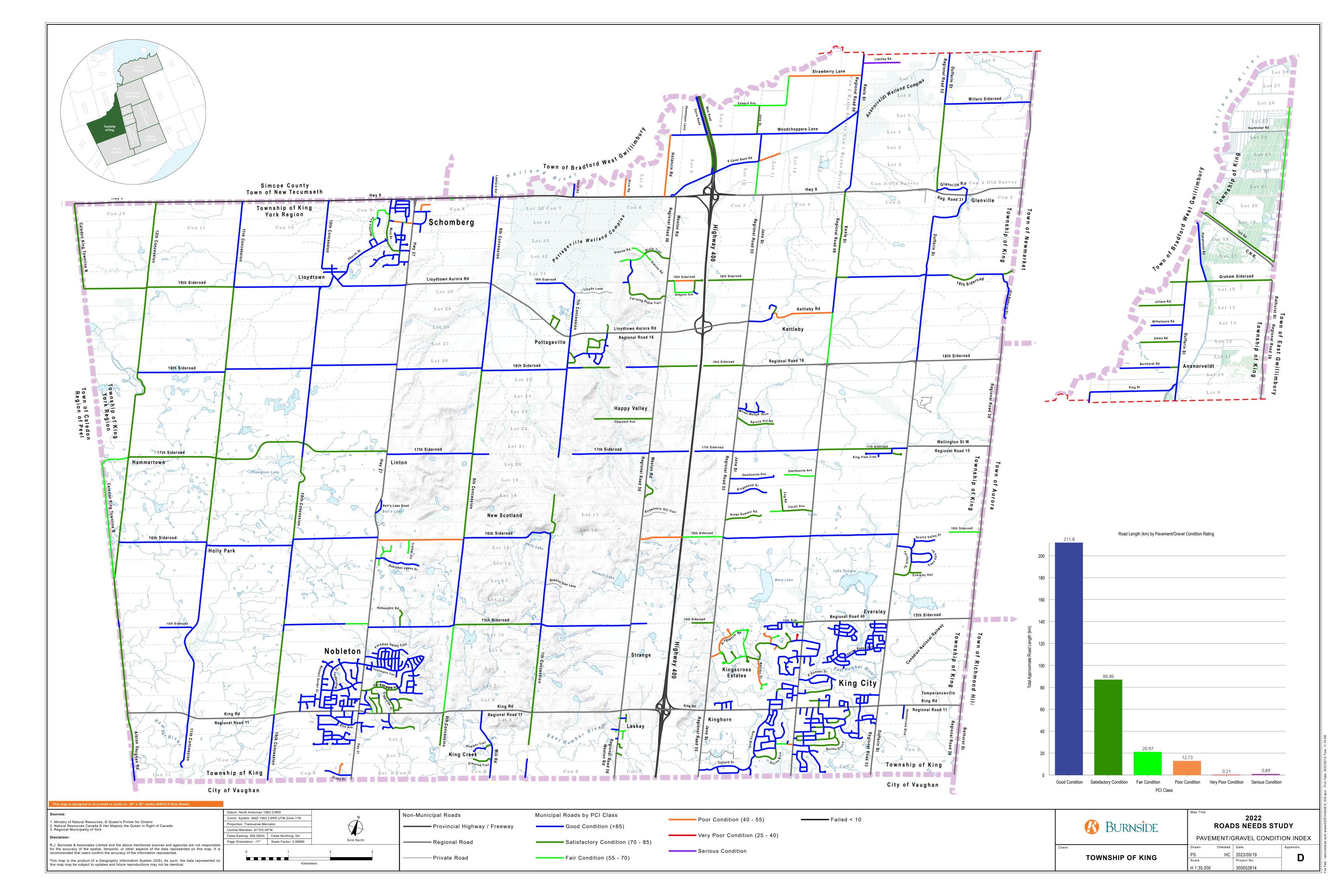
#### **Empirical Formulae For Calculation of Pavement Condition Index (PCI)**

Surface Type	Formulae For Pavement Condition Index (PCI)
	$PCI = 13.75 + (9 \times DMI) - (7.5 \times e^{(8.5-RCR)/3.02})$
Surface Treatment or Gravel or Earth	$PCI = 12.75 + (9 \times DMI) - (5.5 \times e^{(9.94-RCR)/3.46})$



# **Appendix D**

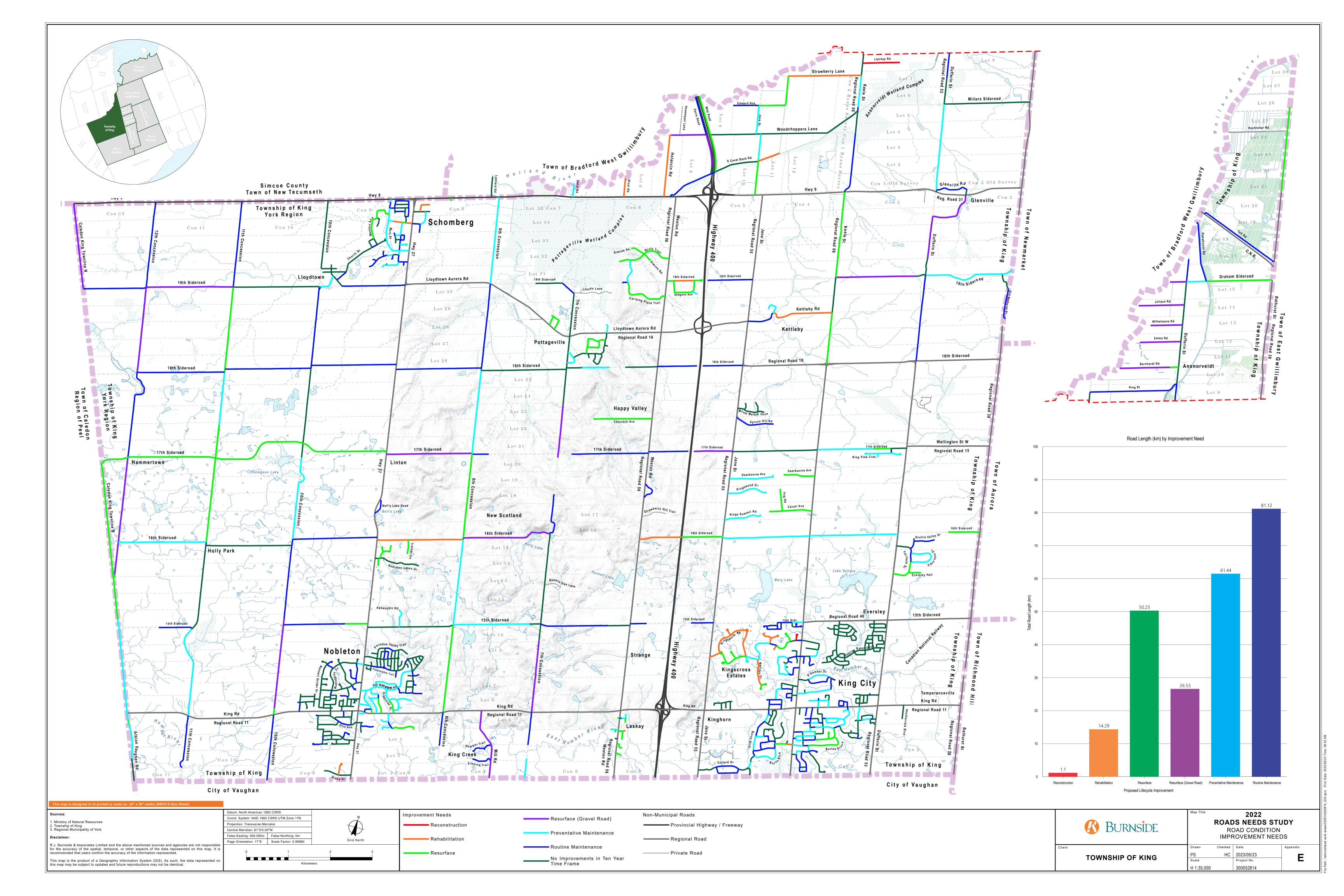
# **Pavement Condition Rating Map**





# **Appendix E**

Road Condition Improvement Needs, Map and Table



Appendix E - Road Improvement Needs (Sorted by PCI)

The column   The	Appendix	E - Road Improvement	iveeus (Sorted by FCI)																					
Column	Municipal ID	Name	Name From	Name To	Community	Boundary Road	Surface Material		AADT Ride Ratin	Comfort ng (RCR)	Structural Adequacy (1- 20)	DMI	PCI	PCI Class	Priority F Rating (PR) N	Priority Guide Number (PGN)					Proposed Lifecycle Improvement	Improvement Cost		OSIM Culverts/Bridges
The column	KRRD-0032	Lipchey Road McKellar Lane			King Twp. (Rural) King City		High Class Bituminous	Semi-Urban	36	3	0 5	6.16	36	Very Poor Condition		7.7	213			1427	Reconstruction	\$102,744.00		
The column	SRRD-0053	Magnum Drive	Westgate Circle Proctor Road	End (Cul-de-Sac)	King City Schomberg	No	Low Class Bituminous	Semi-Urban	1092	5 6	3 5	5.00	41	Poor Condition	68	291.7	367	7.30	9.70	2679	Rehabilitation	\$131,271.00	\$49.00	
The column	ORRD-0206	South Canal Bank Road	Jane Street	End (East)	King Twp. (Rural)		Gravel	Rural	155	6 4	5 0	6.74	43	Poor Condition	45 43	37.3	544	6.80		4243	Rehabilitation	\$207,907.00	\$49.00	
March   September   Septembe	KRRD-0005	Manitou Drive	Kingscross Drive	Fork	King City	No No	High Class Bituminous	Semi-Urban	167	5	7	6.35	47	Poor Condition	70 40	46.4	620	6.70	9.70	4154	Rehabilitation	\$191,084.00	\$46.00	Structure 0009 & 0025
Second	KRRD-0073	Westgate Boulevard	Jane Street	Westgate Circle	King City	No	High Class Bituminous	Semi-Urban	219	6	4	5.70	48	Poor Condition	42	66.7	260	6.00		1560	Rehabilitation	\$71,760.00	\$46.00	Structure 0024
Column	KRRD-0093	Chelsea Lane	Fork	End (West Cul-de-Sac)	King City	No	High Class Bituminous	Rural	40	6	9	5.96	50	Poor Condition		-1	292	6.70	7.90	1956	Rehabilitation	\$89,976.00	\$46.00	
The column   The	ORRD-0025	16th Sideroad	8th Concession	Trainor Court	King Twp. (Rural)	No	High Class Bituminous	Rural	443	7	2	5.55	51	Poor Condition	46	110.4	1306	6.50	8.50	8489	Rehabilitation	\$415,961.00	\$49.00	Structure 0330
March   Sept.   Sept	KRRD-0047	Chelsea Lane	Kingscross Drive	Fork	King City	No	High Class Bituminous	Semi-Urban	43	6 7	13	6.15	52	Poor Condition	29	10.8	138	6.70	9.70		Rehabilitation	\$42,550.00	\$46.00	
Property	BRRD-0001	Kettleby Road	Keele Street	Lorne Avenue	Kettleby	No	High Class Bituminous	Rural	1069	7	4 15	5.73	53	Poor Condition		263.6	1495	6.30	8.30	9419	Rehabilitation	\$461,531.00	\$49.00	
			Trainor Court	Highway 27	King Twp. (Rural)	No No	High Class Bituminous	Rural	443	7	2	5.70	53	Poor Condition	44 39		743	6.50	8.50	4830		\$236,670.00		
Second	KRRD-0059	19th Sideroad Chelsea Lane		Hodgson Avenue End (East Cul-de-Sac)		No	High Class Bituminous	Semi-Urban	128	7 6	15 8	6.44	55	Fair Condition	43 32	30.3	249	6.70	7.90 9.70	1668	Rehabilitation Rehabilitation	\$76,728.00	\$46.00	
The column	KRRD-0067	Westgate Circle	Kingscross Drive	Kingsworth Road	King City	No	High Class Bituminous	Semi-Urban	884	6 7	3 6	6.28	58	Fair Condition	46	-1	58	8.00		464	Rehabilitation	\$22,736.00	\$49.00	
Property	YRRD-0012	Laskay Mills Drive	Rolling Court	End (Cul-de-Sac)	Laskay	No	High Class Bituminous	Urban	243	6 7		6.42	59	Fair Condition	34	-1	67	8.00		536	Rehabilitation	\$24,120.00	\$45.00	
The column   The	ORRD-0165.1	12th Concession	Caledon King Townline	120m N. of Caledon King Townline	King Twp. (Rural)	Not Recorded	High Class Bituminous	Rural	430	6	3	7.00	60	Fair Condition	37	27.2	85	6.40	7.80	544	Resurface	\$21,216.00	\$39.00	
Second	ORRD-0256.1	10th Concession	King Road	145m N. of King Road	King Twp. (Rural)	Not Recorded	High Class Bituminous	Rural	527	7	13 4	6.47	60	Fair Condition		30.5		7.00	9.00	1099	Resurface	\$42,861.00	\$39.00	
Column	KRRD-0128	Snowberry Lane	Kingscross Drive	End (Loop)	King City	No	High Class Bituminous	Semi-Urban	58	6	1/ 5	7.21	61	Fair Condition	26 25	3.3	179	7.00	9.00	1253	Resurface	\$48,867.00	\$39.00	
March   Marc	YRRD-0009		Centre View Avenue	End (West)	Laskay		Low Class Bituminous	Semi-Urban	72	7	3	6.76	61	Fair Condition		4.2	56	6.80	9.40	381	Resurface	\$14,859.00	\$39.00	
Column	ORRD-0076		12th Concession	17th Sideroad	King Twp. (Rural)		High Class Bituminous	Rural	7097	7		6.71	62	Fair Condition	70	371.6	2702	7.35	9.85	19860	Resurface	\$774,540.00	\$39.00	
Section   Sect	ORRD-0243	Earlwood Crescent	Nobleton Lakes Drive	End (Cul-de-Sac)	King Twp. (Rural)	No No	High Class Bituminous Low Class Bituminous	Urban Rural	115 25	7	8 12	6.75	62	Fair Condition		5.1	180	8.50	8.50	3765	Resurface	\$61,200.00	\$40.00	
March   Marc	ORRD-0192 ORRD-0197	Brule Trail	Hilliard Grove Simcoe Road	End (Cul-de-Sac) Carrying Place Trail	King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminous Low Class Bituminous	Urban Semi-Urban	123	7	15 2	6.84 7.00	63 63	Fair Condition Fair Condition	26	6.9	381	6.70	8.50 9.70	2496 2553	Resurface Resurface	\$99,840.00 \$99,567.00	\$39.00	
The column	KRRD-0081 ORRD-0060	Manitou Drive (South Cul-de-Sac) Bathurst Street	Fork Hochreiter Road	End (Cul-de-Sac) King - Bradford Boundary	King City King Twp. (Rural)	No	High Class Bituminous High Class Bituminous	Semi-Urban Rural	167 1161	5 7	8 9	8.27 6.95	64 64	Fair Condition Fair Condition	27	9.1 65.1	159 576	6.70 6.50	9.70 8.50	1065 3744	Resurface Resurface	\$41,535.00 \$146,016.00	\$39.00 \$39.00	
Secondary   Seco	YRRD-0001	Laskay Mills Drive	Weston Road	End (Cul-de-Sac) Rolling Court	King Twp. (Rural) Laskay		Low Class Bituminous High Class Bituminous	Urban	243	7 7	20 9	6.92	64	Fair Condition	26 30	-1	268 107	6.70 8.00	9.70	856	Resurface	\$34,240.00	\$40.00	
Column	ORRD-0008	Simcoe Road	Brule Trail	End (Cul-de-Sac)	King Twp. (Rural)	No	Low Class Bituminous	Semi-Urban	164	7 8	7 18	6.93	65	Fair Condition	26	8.7	225	6.70	9.70	1507	Resurface		\$39.00	
Column	ORRD-0055	17th Sideroad	12th Concession	Caledon King Town Line South	King Twp. (Rural)	No	High Class Bituminous	Rural	123	7	4 5	7.09	65	Fair Condition			687	6.50		4466	Resurface	\$174,174.00	\$39.00	
Second	ORRD-0258	Aileen Avenue	Edward Avenue	Strawberry Lane	King Twp. (Rural)	No No	High Class Bituminous High Class Bituminous	Rural	587	7		7.02	65	Fair Condition	36 35		702	6.70	7.90	4703	Resurface	\$183,417.00	\$39.00	
Property	ORRD-0003	Trainor Court	16th Sideroad	End (Cul-de-Sac)	King Twp. (Rural)	No	High Class Bituminous	Urban	228	6	11	7.68	66	Fair Condition	28	9	334	8.50		2839	Resurface	\$113,560.00	\$40.00	
Company   Comp	ORRD-0140	Dearbourne Avenue	Keele Street	End (West)	King Twp. (Rural)	No	Low Class Bituminous	Rural	113	7	15	7.19	66 66	Fair Condition	24	7.6		5.10	6.10	3810	Resurface			
Company	ORRD-0172	Hilliard Grove	Loch Erne Lane	End (Cul-de-Sac)	King Twp. (Rural)	No No	High Class Bituminous	Urban	115	7	6	7.12	66	Fair Condition	24	4.8	139	8.00	8.50	1112	Resurface	\$44,480.00	\$40.00	Structure 0329
The column	ORRD-0009	Edward Avenue	Jane Street	End (West)	King Twp. (Rural)	No No	Gravel	Rural	57	7	16	7.44	67 67	Fair Condition	21	39.8	614	6.00	7.90	4851	Routine Maintenance	\$194,040.00	\$40.00	Outdid Outs
March   Control   Contro	ORRD-0162	Brule Trail	Simcoe Road	Simcoe Road	King Twp. (Rural)		Low Class Bituminous High Class Bituminous	Semi-Urban Rural	123 108	7	5 6	7.48	67	Fair Condition	24 23	-1 5.7	8	6.70		54	Resurface	\$2,106.00	\$39.00	
Proceedings	NRRD-0142	Lynwood Crescent	West Street King Road	Burns Boulevard Royal Avenue	King City Nobleton	No	High Class Bituminous High Class Bituminous	Urban Semi-Urban	1462 467	7	15 20	7.36 7.38	68 68	Fair Condition Fair Condition	40	21.6	110	7.00	8.60	770	Resurface Resurface	\$30,030.00	\$39.00	
March   Marc	ORRD-0250	Jane Street	Davis Drive West	South Canal Bank Road	King Twp. (Rural)	No	High Class Bituminous	Rural	734	7 8	19	6.96	68	Fair Condition	34	28.3	818	8.40		2015 6871	Resurface	\$267,969.00	\$39.00	
	KRRD-0048	Kingscross Drive	Champlain Crescent	Cranberry Lane	King City	No No	High Class Bituminous	Semi-Urban	681	6	12 6	8.08	69	Fair Condition		26.7	255	8.00		2040	Resurface	\$79,560.00	\$39.00	
Second   Fig.   Property   Prop	ORRD-0002	19th Sideroad	End (Cul-de-Sac)	Hodgson Avenue	King Twp. (Rural)		Low Class Bituminous	Rural	251	7	20 13	7.76	70	Satisfactory Condition	34 25	22.2	228	6.70	7.90	1528	Resurface	\$30,560.00	\$20.00	
Control   Cont	ORRD-0131	Brule Trail	Weston Road	Simcoe Road	King Twp. (Rural)	No	Low Class Bituminous	Semi-Urban	123	8	7	7.44	70	Satisfactory Condition	21	10.8	667	6.70	9.70	4469	Resurface	\$89,380.00	\$20.00	
	ORRD-0182	Fog Road	Cavell Avenue	End (North)	King Twp. (Rural)	No	Low Class Bituminous	Semi-Urban	147	7	16	7.78	70	Satisfactory Condition	22		527	5.50		2899	Resurface	\$57,980.00	\$20.00	
	ORRD-0253	Edward Pottage Crescent	Lloydtown/Aurora Road	Edward Pottage Crescent (Cul-de-Sac)	King Twp. (Rural)	No	High Class Bituminous	Urban	215	7		7.62	70	Satisfactory Condition	24		224	8.50		1904	Resurface	\$38,080.00	\$20.00	
General Part	KRRD-0066	Lockhart Lane	Kingscross Drive	End (Cul-de-Sac)	King City	No	High Class Bituminous	Semi-Urban	72	6 7	9	8.29	71	Satisfactory Condition	19	5.1	292	6.70	9.70	1956	Resurface	\$46,944.00	\$24.00	
Control   110   Control   11	ORRD-0096 ORRD-0104	Keele Street Eversley Hall	19th Sideroad Fairfield Drive	Davis Drive West End (Cul-de-Sac)	King Twp. (Rural)	No	High Class Bituminous	Rural Urban	1922 115	8 7		7.32 7.68	71 71	Satisfactory Condition Satisfactory Condition	39	142.8 8.2	2045	6.70 8.00	8.50	2376	Resurface Resurface	\$315,123.00 \$47,520.00	\$23.00	
Memory   M	ORRD-0151 ORRD-0244	11th Concession	18th Sideroad	18th Sideroad	King Twp. (Rural)	No No	High Class Bituminous	Rural		8 7	20 17	7.85	71	Satisfactory Condition Satisfactory Condition	39 19	145.8 72	71			462 10255	Resurface			
Observation   Control	ARRD-0003.1	Bernhardt Road	Dufferin Street	End (East) 200m W. of Dufferin Street	Ansnorvelt	No No	High Class Bituminous	Rural	308	6	3	8.37	72	Satisfactory Condition	17 24	24.9	196	5.70	6.70	1117	Resurface	\$26,808.00	\$24.00	
OPTION   The Selected	ORRD-0024	17th Sideroad	10th Concession	1.4km W. of 10th Concession	King Twp. (Rural)	No No	Low Class Bituminous	Rural	2898	7		7.67	72	Satisfactory Condition		160.2		8.70	8.50	343 12537	Resurface	\$288,351.00	\$23.00	1
Description	ORRD-0153	17th Sideroad	11th Concession	12th Concession	King Twp. (Rural)	No No	Low Class Bituminous	Rural	2743	8	10 10	7.63	72	Satisfactory Condition	41	151.6		8.70	8.50	18183	Resurface	\$418,209.00	\$23.00	<u> </u>
OFFICE-0171	NRRD-0141	Greenside Drive	Noblewood Drive	Noblewood Drive	Nobleton	No	High Class Bituminous	Urban	2166	8	17 16	7.58	73	Satisfactory Condition	37	117.8	261	9.80	9.80	2558	Resurface	\$51,160.00	\$20.00	
ORD-OFF  The Concession	ORRD-0121	Humber Trail	Mill Road	End (West)	King Twp. (Rural)	No No	Gravel	Rural	153	7	15 18	8.07	73	Satisfactory Condition	20	115.4	183	6.00	6.00	1098	Routine Maintenance	\$43,920.00	\$40.00	
PREF-0008	ORRD-0167.1	7th Concession	King Road	2.1km N. of King Road	King Twp. (Rural)		Gravel	Rural	365	6	18	8.59	73	Satisfactory Condition	24	10.9	1703	6.00	8.50	14476	Resurface	\$579,040.00	\$40.00	
RRED-0121   Generate Drive	PRRD-0008 KRRD-0143	Cutting Crescent Patricia Drive	Archibald Road Burton Grove	Archibald Road Warren Road	Pottageville	No	High Class Bituminous High Class Bituminous	Urban Urban	139 747	7 6	9 12	8.00 8.63	73 74	Satisfactory Condition Satisfactory Condition	20	8.7 45.1	435 217	8.50 8.50	8.50 8.50	3698 1845	Resurface Resurface	\$36,900.00	\$20.00 \$20.00	
CRRD-0210   The Concession   16th Sederard   The Concession   16	NRRD-0121 ORRD-0115	Greenside Drive Carrying Place Trail	35m N. of King Road Weston Road	Noblewood Drive 19th Sideroad	King Twp. (Rural)		High Class Bituminous High Class Bituminous	Urban Urban	2166 464	7	14 20	8.10 7.73	74 74	Satisfactory Condition Satisfactory Condition	36 25	113.5 28	40 1192	9.80 8.50	9.80 8.50	392 10132	Resurface Resurface	\$7,840.00 \$202,640.00	\$20.00 \$20.00	
PRINCE   Prince Adam Court   Centre View Newsee   End Clud-6-Sec)   Laskey   No   High Class Billuminous   Servi-Urban   171   8   13   7.72   74   Satisfactory Continue   20   9.7   104   7.50   9.50   720   Resurtace   93.87.200   32.400	ORRD-0203	7th Concession Caledon King Town Line South	Mt. Pleasent Road	End (North) 12th Concession	King Twp. (Rural)	Yes	High Class Bituminous	Rural	3926	7	6	8.19 7.64	74 74	Satisfactory Condition Satisfactory Condition	41	-1	783	7.30		5716	Resurface	\$131,468.00	\$23.00	
CRRD-0219   129 Concession   199 Sideread   199 S	YRRD-0004	Prince Adam Court	Centre View Avenue	End (Cul-de-Sac)	Laskay	No	High Class Bituminous	Semi-Urban	171	8	16 13	7.72	74	Satisfactory Condition	24 20	9.7	104	7.50	9.50	780	Resurface	\$18,720.00	\$24.00	
CRRID-0255   Edward Politage Crescent   Liby-disearch Arman	ORRD-0119	12th Concession	19th Sideroad	Highway 9	King Twp. (Rural)	No	Gravel	Rural	173	8	16 17	8.04	75	Satisfactory Condition	21 19	80.5	2045	9.00	9.00	18405	Routine Maintenance	\$736,200.00	\$40.00	
PRED-0030   Architack Fload   Cutting Chemoent   235m W of Cutting Chemoent   Philipsycille   No.   High Class Billuminous   Uthan   563   7   10   8.22   75   Satisfactory Condition   25   3.27   234   8.50   8.50   1998   Resurface   \$33,979.00   \$30,00	ORRD-0255	Edward Pottage Crescent	Lloydtown/Aurora Road	235m N. of Lloydtown/Aurora Road	King Twp. (Rural)	No	High Class Bituminous	Urban	215	7	11	8.21	75	Satisfactory Condition	20 20	12.5	234	8.50	8.50	1989	Resurface	\$39,780.00	\$20.00	<u> </u>
PREFIXED STATES   Processing Drive   Lockhest Lines   Restriction   Processing Drive   Lockhest Lines   Restriction   Processing Drive   Processing Drive   Restriction   Processing Drive   Processing Driv	PRRD-0020	Archibald Road	Cutting Crescent	235m W. of Cutting Crescent	Pottageville	No	High Class Bituminous	Urban	563	7	10	8.22	75	Satisfactory Condition	25 14		234	8.50	8.50	1989	Resurface	\$39,780.00	\$20.00	
ERRO-0738.1   Elizabeth Grove   110m. E. of Patilon Steet   Barnet Lane   King City   No   High Class Billuminous   Uthon   500   7   16   6.32   76   Satisfactory Condition   27   1   56   7.00   392   Resurtace   \$71,840.00   300.00   CRRD-0712   Wist Road   Woodchoppers Lane   King Tup, (Rura)   No   High Class Billuminous   Rural   27   7   3   8.22   76   Satisfactory Condition   27   1   56   7.00   6.50   6.00   5550   Resurtace   \$71,840.00   300.00   Structure 0.33   CRRD-0712   CRR	KRRD-0035	Kingscross Drive	Lockhart Lane	Keri Court	King City		High Class Bituminous High Class Bituminous	Semi-Urban Urban	1303 383	7	12	8.34	76	Satisfactory Condition	29	80.1	425	6.70	9.70		Resurface	\$65,481.00	\$23.00	
CRRD-0120   Grahum Sideroad   Duffers Steet   End (West)   King Tup, (Rural)   No   Gravet   Rural   253   7   17   8.44   76   Satisfactory Condition   20   8.4   393   5.10   6.10   2.997   Resurface   \$955,890.0   \$9.00   CRRD-0124   Grahum Sideroad   Ballurur Steet   Pemphosae Road   King Tup, (Rural)   No   High Class Billurinous   Rural   1122   7   19   8.25   7   Satisfactory Condition   20   8.4   393   5.10   6.10   2.997   Resurface   \$955,890.0   \$9.00   CRRD-0124   Satisfactory Condition   10   Solderoad   17th Sideroad   18th Multi-No.	KRRD-0138.1	Elizabeth Grove	110m E. of Patton Street	Banner Lane	King City		High Class Bituminous	Urban	900	7	16	8.32 8.32	76 76	Satisfactory Condition Satisfactory Condition	27	-1 17.4	56	7.00	8.00	392 5850	Resurface	\$7,840.00	\$20.00	Structure 0331
ORRIO-0152	ORRD-0120 ORRD-0124	Graham Sideroad	Dufferin Street Bathurst Street	End (West) Pumphouse Road	King Twp. (Rural)	No	Gravel High Class Bituminous	Rural Rural	253 1522	7	17	8.44 8.25	76 76	Satisfactory Condition Satisfactory Condition	20	9.4	393 1568	5.10 7.20	6.10 8.60	2397 11290	Resurface Resurface	\$95,880.00	\$40.00 \$23.00	
FRED-0141   Patricia Dive   Elizabeth Grove   Conseler Cont   King Clay   No   High Class Elizaminous   Ubsan   747   7   13   8.39   77   Statisfactory Controller   24   42.4   324   8.00   8.50   2992   Resurface   \$\$15.840.0   \$\$20.00   \$\$10	ORRD-0152	8th Concession	16th Sideroad	17th Sideroad	King Twp. (Rural)	No	Low Class Bituminous	Rural	114	9	19 20	7.81	76 76	Satisfactory Condition Satisfactory Condition	17 35	8	2004	6.70	8.50	13427	Resurface	\$268,540.00	\$20.00	
ORRD-0045   Faiffeld Drive   Dufferin Street   Eversiey Hall   King Tup, (Rural)   No   High Class Billuminous   Urban   555 7 14   8.40 77   Satisfactory Condition   23   29.6   40.5   8.50   8.5	KRRD-0141 ORRD-0039	Patricia Drive 17th Sideroad	Elizabeth Grove Highway 27	Crossley Court 10th Concession	King City King Twp. (Rural)		High Class Bituminous Low Class Bituminous	Urban Rural	747 3000	7 10	13 20	8.39 7.74	77 77	Satisfactory Condition Satisfactory Condition		42.4 176.8	324 2053	8.00 6.70	8.50 8.50	2592 13755	Resurface Resurface	\$51,840.00 \$316,365.00	\$20.00 \$23.00	
ORRD-07077   Caledon King Town Line North   Halls Lake Scienced   Highway 9   King Tup, (Raval) Yes   Grave   Rural   1990 8 0   8.22   77   Satisfactory Condition   30   37.6   1978   7.70   8.50   18913   Resultace   \$7.55,855.00   \$5.50   \$1.00   \$1	ORRD-0045 ORRD-0048	Fairfield Drive Hodgson Avenue	Dufferin Street 19th Sideroad	Eversley Hall William's Court	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous Low Class Bituminous	Urban Semi-Urban	555 300	7	14 16		77	Satisfactory Condition Satisfactory Condition	23 20	29.6 20.3	405 264	8.50 6.70	8.50 9.80	3443 1769	Resurface Resurface	\$68,860.00 \$35,380.00	\$20.00 \$20.00	
	ORRD-0077 ORRD-0109	Caledon King Town Line North	Halls Lake Sideroad Hodgson Avenue	Highway 9 Weston Road		Yes	Gravel	Rural	1690	8	0 17	8.22 8.22	77 77	Satisfactory Condition Satisfactory Condition	30 19	37.6 22.1	1978 167	7.70 5.00		16813 835	Resurface Resurface	\$756,585.00 \$16,700.00	\$45.00 \$20.00	

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Appendix E - Road Improvement Needs (Sorted by PCI)

Appendix	x E - Road Improvement	Needs (Sorted by PCI)																				
Municipal ID	Name	Name From	Name To	Community	Boundary Road	Surface Material	Roadside Environment	AADT Ride Comf	ort Adequacy (1-	DMI	PCI	PCI Class	Priority Rating (PR)	Priority Guide Number (PGN)	Road Length (m)	Road Width (m)	Platform Width (m)	Surface Area (m²)	Proposed Lifecycle Improvement	Improvement Cost	Benchmark Cost (\$/m²)	OSIM Culverts/Bridges
ORRD-0118	Albion Vaughan Road	Old King Road	72m N. of Old King Road	King Twp. (Rural)	Yes	High Class Bituminous	Urban	10467 8	17	7.97		Satisfactory Condition	47	-1	71	6.80		483	Resurface	\$9,660.00	\$20.00	
ORRD-0145 ORRD-0209	7th Concession 19th Sideroad	King Road 11th Concession	12th Concession	King Twp. (Rural) King Twp. (Rural)	No No	Gravel Gravel	Rural Rural	425 8	19 12	8.56 8.19	77	Satisfactory Condition Satisfactory Condition	13 21	18.4 11	781 2075	5.70 6.00	6.70 7.30	5233 15148	Routine Maintenance Resurface	\$209,320.00 \$681,660.00	\$40.00 \$45.00	
ORRD-0254 PRRD-0002	Archibald Road	235m N. of Lloydtown/Aurora Road 235m W. of Cutting Crescent	Cutting Crescent	King Twp. (Rural) Pottageville	No No	High Class Bituminous High Class Bituminous	Urban Urban	108 7	13 12	8.38	77 77	Satisfactory Condition Satisfactory Condition	18 16	11.5 5.8	164 213	8.50 8.50	8.50 8.50	1394 1811	Resurface Resurface	\$27,880.00 \$36,220.00	\$20.00 \$20.00	
PRRD-0016 KRRD-0030	Archibald Road Patricia Drive	Cutting Crescent Crossley Court	Cook Drive Burton Grove	Pottageville King City	No	High Class Bituminous High Class Bituminous	Urban	747 8	12	8.05 8.13	78	Satisfactory Condition Satisfactory Condition	16 23	5.8 40.6	165 140	8.50 8.00	8.50 8.50	1403 1120	Resurface Resurface	\$28,060.00 \$22,400.00	\$20.00 \$20.00	
NRRD-0002 NRRD-0133	Hawthorne Valley Road Wellar Avenue	Woodhill Avenue King Road	End (Cul-de-Sac) Cross Avenue	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Urban Semi-Urban	846 8 270 9	16	7.79	78	Satisfactory Condition Satisfactory Condition	24 18	45.9	562 379	8.00	8.50	4496 3032	Resurface Resurface	\$89,920.00 \$72,768.00	\$20.00 \$24.00	
ORRD-0053 ORRD-0062 ORRD-0231	11th Concession 12th Concession Wist Road	16th Sideroad 2.2km N. of 17th Sideroad Woodchoppers Lane	17th Sideroad 2.3km N. of 17th Sideroad King-Simcoe County Boundary	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	No No	Low Class Bituminous Gravel High Class Bituminous	Rural Rural Rural	1534 10 127 7 193 7	18	8.67	78	Satisfactory Condition Satisfactory Condition Satisfactory Condition	28 16	86.5 57 10.4	2012 118 963	6.70 7.20 6.70	8.50 8.20 7.70	13480 968 6452	Resurface Routine Maintenance Resurface	\$310,040.00 \$38,720.00 \$154,848.00	\$23.00 \$40.00 \$24.00	
ORRD-0256.2	10th Concession 17th Sideroad	145m N. of King Road King View Crescent	165m S. of 15th Sideroad	King Twp. (Rural) King Twp. (Rural)	No	Gravel High Class Bituminous	Rural		19		78	Satisfactory Condition Satisfactory Condition	21	10 10 322.9	1834 422	6.50	7.90 8.50	14489 2827	Resurface Resurface	\$652,005.00 \$65,021.00	\$45.00 \$23.00	
ORRD_0265 ORRD-0015	Dufferin Street Churchill Avenue	Graham Sideroad Weston Road	End (North)	King Twp. (Rural) King Twp. (Rural)	No No	Gravel Low Class Bituminous	Rural Semi-Urban	14 7	16	8.74	79	Satisfactory Condition Satisfactory Condition	11	7.4	543	5.70	6.70 7.30	3638 8376	Routine Maintenance Resurface	\$145,520.00 \$167.520.00	\$40.00 \$20.00	
ORRD-0117 ORRD-0122	18th Sideroad Fairfield Drive	Weston Road Eversley Hall	End (East) Eden Vale Drive	King Twp. (Rural) King Twp. (Rural)	No No	Gravel High Class Bituminous	Rural Urban	49 9	18 15	8.13 8.59	79 79	Satisfactory Condition Satisfactory Condition	13 21	23.5 28.8	942 241	6.00 8.00	7.30 8.50	6877 1928	Routine Maintenance Resurface	\$275,080.00 \$38,560.00	\$40.00 \$20.00	
ORRD-0147 ORRD-0230	12th Concession Caledon King Town Line North	17th Sideroad 19th Sideroad	1.5km N. of 17th Sideroad	King Twp. (Rural) King Twp. (Rural)	No No	Gravel Gravel		127 9	18	8.13 8.81	79 79	Satisfactory Condition Satisfactory Condition	15 17	54.4 5.7	1504 51	7.20 7.70	8.20 8.50	12333 434		\$493,320.00 \$17,360.00	\$40.00 \$40.00	
KRRD-0015 KRRD-0177.1	Warren Road Dennison Street	50m N. of Bennet Drive Valleycrest Drive	Cadden Court 610m E. of Valleycrest Drive	King City King City	No No	High Class Bituminous High Class Bituminous	Urban	2210 8 132 7	20 15	8.37 8.70	80 80	Satisfactory Condition Satisfactory Condition	28 14	147.4 9.3	245 612	8.50 8.00	8.50 8.50	2083 4896	Preventative Maintenance Preventative Maintenance	\$12,498.00 \$29,376.00	\$6.00 \$6.00	
KRRD-0180 NRRD-0064	Dew Street Hollywood Crescent	William Street Noblewood Drive	End (Cul-de-Sac) 115m E. of Noblewood Drive	King City Nobleton	No No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	524 8	14 20	8.34	80	Satisfactory Condition Satisfactory Condition	19	24.6 37.1	236 114	7.00 8.00	9.00 8.50	912	Preventative Maintenance Preventative Maintenance	\$5,472.00	\$4.00 \$6.00	
NRRD-0085 ORRD-0012	Greenside Drive 19th Sideroad	Noblewood Drive King - Newmarket Boundary	Hill Farm Road Old Bathurst Street	Nobleton King Twp. (Rural)		High Class Bituminous High Class Bituminous	Urban Rural	1350 8	17 13	8.33	80	Satisfactory Condition Satisfactory Condition	27 24	125.3 107.8	278 259	9.80 7.10	9.80 9.10		Preventative Maintenance Preventative Maintenance		\$6.00 \$6.00	
ORRD-0148 ORRD-0169	19th Sideroad Keewaydin Road	12th Concession 15th Sideroad	End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)		Gravel High Class Bituminous	Rural Rural	148 8 227 7	10 18	8.78	80	Satisfactory Condition Satisfactory Condition	16	68 28.8	1505 446	7.30 6.70	7.30 8.50	2988	Routine Maintenance Preventative Maintenance	\$11,952.00	\$40.00 \$4.00	
ORRD-0198 ORRD-0226	Dufferin Street Albion Vaughan Road	Glenville Road 340m N. of Queensgate Blvd.	Old King Rd.	King Twp. (Rural) King Twp. (Rural)	Yes	High Class Bituminous High Class Bituminous	Urban	10467 8	20 17	8.40	80	Satisfactory Condition Satisfactory Condition	25 40	104.5 -1	2057 852	7.70 7.30	8.50	6220		\$37,320.00	\$6.00 \$6.00	
PRRD-0001 SRRD-0051	Bachly Crescent Main Street	Cook Drive Cooper Drive	7th Concession Church Street	Pottageville Schomberg	No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	3414 9	18 18	8.06	80	Satisfactory Condition Satisfactory Condition	14 31	17.8 193.5	188 441	6.00 10.00	8.00 10.00	4410	Preventative Maintenance Preventative Maintenance	\$26,460.00	\$4.00 \$6.00	
SRRD-0063 KRRD-0139	Moore Park Drive William Street	Cooper Drive Banner Lane	Roselena Drive Dew Street	Schomberg King City	No	High Class Bituminous High Class Bituminous	Urban Semi-Urban	730 8 341 8	18	8.51	81	Satisfactory Condition Satisfactory Condition	17	48.7 37.7	101 165	8.50 7.30	8.50 9.40	1205	Preventative Maintenance Preventative Maintenance	\$4,820.00	\$6.00 \$4.00	
NRRD-0143 ORRD-0081	Burns Boulevard Wellar Avenue 12th Concession	Collard Drive 90m N. of Cross Avenue 1.5km N. of 17th Sideroad	Findlay Avenue Hill Farm Road 2.2km N. of 17th Sideroad	King City Nobleton King Twp. (Rural)	No No	High Class Bituminous High Class Bituminous Gravel	Urban Urban Pural	329 7 343 9 127 7	17 18 18	8.83 8.13	81	Satisfactory Condition Satisfactory Condition Satisfactory Condition	17	18.1 23.1 49.3	758 274 660	9.80 8.00 7.20	9.80 8.50 8.20	2192	Preventative Maintenance Preventative Maintenance Routine Maintenance	\$13,152.00	\$6.00 \$6.00 \$40.00	<u> </u>
ORRD-0216 ORRD-0225.1	12th Concession Burrows Road 10th Concession	1.5km N. of 17th Sideroad Weston Road 15th Sideroad	Weston Road	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) N	No	Gravel Gravel	Rural Rural	8 7	18 18 18	9.00	81	Satisfactory Condition Satisfactory Condition	14 10 15	49.3 5.7 4.4	512	3.30 8.20	4.30 9.00		Routine Maintenance Routine Maintenance Resurface		\$40.00 \$40.00 \$40.00	
KRRD-0012 NRRD-0041	Warren Road Noblewood Drive	120m E. of Patton Street Forestave Crescent	Banner Lane Hollywood Crescent	King City Nobleton	No	High Class Bituminous High Class Bituminous	Urban	844 7	16	8.94	82	Satisfactory Condition Satisfactory Condition	20	-1 139.7	189 184	8.00 6.40	9.00	1512	Preventative Maintenance Preventative Maintenance	\$9,072.00	\$6.00 \$6.00	
NRRD-0067 NRRD-0139	Cross Avenue Hill Farm Road	Wellar Avenue Highway 27	Elizabeth Drive Lynwood Crescent	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Semi-Urban Urban		15 18	8.53	82	Satisfactory Condition Satisfactory Condition	14 23	17.1 99.3	200	7.30 8.50	8.70 8.50	1460	Preventative Maintenance Preventative Maintenance	\$5,840.00	\$4.00 \$6.00	
NRRD-0147 NRRD-0239	Noblewood Drive Hollywood Crescent	Greenside Drive 115m E. of Noblewood Drive	Forestave Crescent End (Cul-de-Sac)	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Urban Urban	1752 7 315 8	17 20	8.95 8.52	82 82	Satisfactory Condition Satisfactory Condition	23 16	139.7 20.1	176 261	6.40 8.00	9.00 8.50	1126 2088	Preventative Maintenance Preventative Maintenance	\$6,756.00 \$12,528.00	\$6.00 \$6.00	
ORRD-0097 ORRD-0154	15th Sideroad Graham Sideroad	Jane Street Pumphouse Road	End (West) Dufferin Street	King Twp. (Rural) King Twp. (Rural)	No	Gravel High Class Bituminous	Rural	17 9 1522 8	15 19	8.50	82	Satisfactory Condition Satisfactory Condition	10 23	8.3 115.9	536 473	6.00	6.10 9.10	3270 3169	Routine Maintenance Preventative Maintenance	\$130,800.00 \$19,014.00	\$40.00 \$6.00	
ORRD-0177 ORRD-0212	King View Crescent 12th Concession	King View Crescent (Fork) 16th Sideroad		King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous Gravel	Rural Rural	269 7 384 7	16 18	8.90 9.09	82 82	Satisfactory Condition Satisfactory Condition	15 16	30.7 8.9	293 2029	6.70 6.00	10.00 7.30	1963 14812	Preventative Maintenance	\$7,852.00 \$592,480.00	\$4.00 \$40.00	
SRRD-0067 BRRD-0003	Main Street Lorne Avenue	Dr. Kay Drive Kettleby Road	Western Avenue 165m N. of Kettleby Road	Schomberg Kettleby	No	High Class Bituminous Low Class Bituminous	Urban Rural	3980 8 94 8	17 19	8.53	82	Satisfactory Condition Satisfactory Condition	29 12	203.1 16.9	152 167	10.00 4.00	10.00 5.00	1520 668	Preventative Maintenance Preventative Maintenance	\$9,120.00 \$2,672.00	\$6.00 \$4.00	
KRRD-0003 KRRD-0004	Kingscross Drive Kingscross Drive	Chelsea Lane Manitou Drive	Manitou Drive Champlain Crescent	King City King City	No	High Class Bituminous High Class Bituminous	Semi-Urban Semi-Urban	1303 7 681 7	15 15	9.09	83 83	Satisfactory Condition Satisfactory Condition	21 18	93.7 73.5	742 304	6.70 6.70	9.70 9.70	4971 2037	Preventative Maintenance Preventative Maintenance	\$29,826.00	\$6.00 \$4.00	
KRRD-0136 KRRD-0140	Patricia Drive Forde Crescent	Clearview Crescent 140m E. of Bennet Drive	McBride Crescent Bennet Drive	King City King City	No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	286 7	20 16	9.11	83 83	Satisfactory Condition Satisfactory Condition	14	44.6 17.2	201 293	7.00 8.00	9.00 8.50	2344	Preventative Maintenance		\$4.00 \$6.00	
NRRD-0003 NRRD-0042	Hill Farm Road Goodfellow Crescent	Goodfellow Crescent 500m W. of Hill Farm Road (West Intersection)	Greenside Drive Hill Farm Road	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Urban Urban	524 8	18 19	8.65	83	Satisfactory Condition Satisfactory Condition	22 17	99.6 31.5	261 210	8.00 8.00	8.50 8.50	1680	Preventative Maintenance Preventative Maintenance	\$10,080.00	\$6.00 \$6.00	
NRRD-0153 NRRD-0203	Hill Farm Road Elizabeth Drive	Lynwood Crescent King Road	Wellar Avenue Cross Avenue	Nobleton Nobleton		High Class Bituminous High Class Bituminous	Urban Semi-Urban		18	8.40	83	Satisfactory Condition Satisfactory Condition	14	99.6 24.5	119 380		8.50 8.70		Preventative Maintenance Preventative Maintenance		\$6.00 \$4.00	
ORRD-0103 ORRD-0113 ORRD-0125	10th Concession King Hills Lane 17th Sideroad	16th Sideroad Jane Street	300m E. of Jane Street	King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminous Gravel	Rural	171 10 97 7 5727 8	20 18		83	Satisfactory Condition Satisfactory Condition Satisfactory Condition	13 12 30	21.7 45.3 411.9	2061 304 1338	5.70 5.10 6.70	6.70 6.10 9.50		Preventative Maintenance Routine Maintenance Preventative Maintenance		\$4.00 \$40.00 \$6.00	
ORRD-0135 ORRD-0159	Jane Street 8th Concession	420m W. of King View Crescent Woodchoppers Lane 17th Sideroad	Edward Avenue	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous High Class Bituminous Low Class Bituminous	Rural	592 9 145 9	13	8.41	83	Satisfactory Condition Satisfactory Condition	17	64.8 15.6	681 1987	6.60	7.80 8.50	4495	Preventative Maintenance Preventative Maintenance	\$17,980.00	\$4.00 \$4.00	Strucutre 0203
ORRD-0238 ORRD-0239	19th Sideroad 18th Sideroad	Jane Street Jane Street	End (West)	King Twp. (Rural) King Twp. (Rural)	No No	Gravel Gravel	Rural	32 9 82 8	18	8.56	83	Satisfactory Condition Satisfactory Condition	10	12.5 34.7	1074	6.00	7.30 6.70	7840	Routine Maintenance Routine Maintenance	\$313,600.00	\$40.00 \$40.00	
ORRD-0270 PRRD-0012	11th Concession Bachly Crescent	0.8km N. of 17th Sideroad 7th Concession		King Twp. (Rural) Pottageville	No No	High Class Bituminous High Class Bituminous	Rural Semi-Urban	1709 8	16	8.63	83	Satisfactory Condition Satisfactory Condition	22	126.7 15.1	1272 283	6.50	9.00 8.00	8268	Preventative Maintenance Preventative Maintenance	\$49,608.00	\$6.00 \$4.00	
ARRD-0006 KRRD-0007	Emma Road Champlain Crescent	Dufferin Street Kingscross Drive	End (West) End (Loop)	Ansnorvelt King City	No	Gravel High Class Bituminous	Rural Semi-Urban	253 8	19 17	9.00	84	Satisfactory Condition Satisfactory Condition	13	6.2 5.6	975 230	5.10 7.00	6.10 10.00	5948	Resurface Preventative Maintenance	\$237,920.00	\$40.00 \$4.00	
KRRD-0052.2 KRRD-0138.2	Martin Street Elizabeth Grove	Norman Drive Patton Street	160m W. of Norman Drive 110m E. of Patton Street	King City King City	No No	High Class Bituminous High Class Bituminous	Urban Semi-Urban	358 7	17 20	9.13 9.13	84	Satisfactory Condition Satisfactory Condition	14 18	19.1 87.5	160 107	8.50 7.00	8.50 9.00	1360	Preventative Maintenance Preventative Maintenance	\$8,160.00	\$6.00 \$4.00	
KRRD-0149 KRRD-0194	Clearview Heights 15th Sideroad	Clearview Crescent Keele Street	McBride Crescent Cairns Gate	King City King City	No	High Class Bituminous High Class Bituminous	Semi-Urban Rural	432 7 519 8	20 18	8.83	84 84	Satisfactory Condition Satisfactory Condition	15 16	42 50.4	201 266	7.00 7.00	8.50 8.90	1407	Preventative Maintenance Preventative Maintenance	\$5,628.00	\$4.00 \$4.00	
NRRD-0015 NRRD-0068	Hill Farm Road Forestave Crescent	Greenside Drive Noblewood Drive	Goodfellow Crescent End (Cul-de-Sac)	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Urban Urban	1654 9 66 8	18 19	8.75	84	Satisfactory Condition Satisfactory Condition	10	93.8 4.5	290 76	8.00 6.60	8.50 9.40		Preventative Maintenance Preventative Maintenance	\$3,012.00	\$6.00 \$6.00	
NRRD-0079 NRRD-0131	Lynwood Crescent Hill Farm Road	Royal Avenue Wellar Avenue	Norman Avenue Goodfellow Crescent	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	1654 8	18 18	8.80	84	Satisfactory Condition Satisfactory Condition	21	45.4 93.8	107 145	7.00 8.00	8.60 8.50	1160	Preventative Maintenance Preventative Maintenance	\$6,960.00	\$4.00 \$6.00	
NRRD-0137 ORRD-0040.2	Elizabeth Drive Davis Road	Cross Avenue 160m N. of South Canal Bank Road	End (North) 2nd Concession	Nobleton King Twp. (Rural)	No No	High Class Bituminous Gravel	Semi-Urban Rural	437 9	16	8.67	84	Satisfactory Condition Satisfactory Condition	13 15	19.9 7.3	74 794	7.30 6.00	8.70 7.90	540 6273	Preventative Maintenance Resurface	\$2,160.00 \$282,285.00	\$4.00 \$45.00	
ORRD-0075 ORRD-0094 ORRD-0107	15th Sideroad Albion Vaughan Road	260m East of 7th Concession 72m N. of Old King Road		King Twp. (Rural) King Twp. (Rural)	Yes	High Class Bituminous High Class Bituminous	Rural Urban Rural	266 10 10467 8 4581 8	16 16	8.75	84	Satisfactory Condition Satisfactory Condition Satisfactory Condition	13 32	25.8	1823 175	7.00 6.00 6.30	8.50	12761 1050	Preventative Maintenance Preventative Maintenance Preventative Maintenance	\$51,044.00 \$6,300.00 \$76,962.00	\$4.00 \$6.00 \$6.00	
ORRD-0107 ORRD-0133 ORRD-0165.2	Caledon King Town Line South 19th Sideroad 12th Concession	630m W. of Old Bathurst Street 120m N. of Caledon King Townline		King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)		High Class Bituminous High Class Bituminous Gravel	Rural Rural	1350 8	13 18	8.75 9.01	84	Satisfactory Condition Satisfactory Condition	20 16	86.2 9.3	2036 717 823	7.10 6.30	9.10 7.30		Preventative Maintenance Resurface		\$6.00 \$6.00 \$45.00	
ORRD-0184 ORRD-0211	King's Summit Road  Juliana Road	Jane Street  Dufferin Street	End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous Gravel	Semi-Urban Rural	215 9	20	8.56	84	Satisfactory Condition Satisfactory Condition	13	22.5 6.2	896 1090	6.50 5.20	9.00 6.10	5824 6649	Preventative Maintenance Resurface	\$270,360.00 \$23,296.00 \$265.960.00	\$4.00 \$40.00	
ORRD-0233 ORRD-0269	18th Sideroad 19th Sideroad	380m E. of 7th Concession 1.86km W. of Dufferin Street	End (East) Keele Street	King Twp. (Rural) King Twp. (Rural)		High Class Bituminous Gravel	Rural	223 8 865 8	16	8.76 9.00	84 84	Satisfactory Condition Satisfactory Condition	13 18	25.2 18.7	655 282	6.00 5.10	7.00 6.10	3930 1720	Preventative Maintenance Resurface	\$15,720.00 \$77,400.00	\$4.00 \$45.00	Structure 0016
PRRD-0011 SRRD-0058	Weedon Court Main Street	Cook Drive Church Street	End (Cul-de-Sac) Dr. Kay Drive	Pottageville Schomberg	No No	High Class Bituminous High Class Bituminous	Urban	115 9 3453 9	15 19	8.49 8.46	84 84	Satisfactory Condition Satisfactory Condition	11 25	6.1 156.6	222 484	8.50 10.00	8.50 10.00	1887 4840	Preventative Maintenance Preventative Maintenance	\$11,322.00 \$29,040.00	\$6.00	
YRRD-0003 KRRD-0121	Prince Adam Court Bennet Drive	Centre View Avenue 190m E. of Forde Crescent	End (Cul-de-Sac) Forde Crescent (East Intersection)	Laskay King City	No No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	307 8	16 17	8.83 8.86	84 85	Satisfactory Condition Good Condition	12 13	15.5 16.3	104 102	7.50 8.00	9.50 8.50	780 816	Preventative Maintenance Preventative Maintenance	\$3,120.00 \$4,896.00	\$4.00 \$6.00	
NRRD-0116 NRRD-0123	Hill Farm Road Gilbert Fuller Drive	Goodfellow Crescent Woodhill Avenue	Bluff Trail (Traffic Circle) End (Cul-de-Sac)	Nobleton Nobleton	No No	High Class Bituminous High Class Bituminous	Urban Urban	1654 9 36 8	18 15	8.66 8.92	85 85	Good Condition Good Condition	19 9	87.9 1.9	601 263	8.00 8.00	8.50 8.50	4808 2104	Preventative Maintenance Preventative Maintenance	\$28,848.00 \$12,624.00	\$6.00 \$6.00	
NRRD-0242 ORRD-0052	Goodfellow Crescent Mill Road	Hill Farm Road Humber Trail	500m W. of Hill Farm Road (East Intersection) King Road	Nobleton King Twp. (Rural)	No	High Class Bituminous Gravel	Urban Rural	566 9	18 19	8.63 8.78	85	Good Condition Good Condition	15 15	27 9.6	900	8.00 6.00	8.50 7.30	3960 6570	Preventative Maintenance Resurface	\$295,650.00	\$6.00 \$45.00	
ORRD-0090 ORRD-0116	Dearbourne Avenue King View Crescent	Jane Street Lane Road	End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)	No	Low Class Bituminous High Class Bituminous	Rural		19		85	Good Condition Good Condition	11	15.4 25.6	1088 365	6.70	7.00 9.00	2445	Preventative Maintenance Preventative Maintenance	\$9,780.00	\$4.00 \$4.00	
ORRD-0123 ORRD-0143	Eden Vale Drive 19th Sideroad	Fairfield Drive Old Bathurst Street	630m W. of Old Bathurst Street	King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminous High Class Bituminous	Urban Rural	196 8 1350 8	16	8.85	85 85	Good Condition Good Condition	12 18	10.4 80.8	1086 630	7.10	8.50 9.10	4473	Preventative Maintenance Preventative Maintenance	\$26,838.00	\$6.00 \$6.00	
ORRD-0180 ORRD-0201 ORRD-0242	16th Sideroad  Caledon King Town Line South  Kingswood Drive	7th Concession 11th Concession (Unopened) Jane Street	Columbia Way	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	No Yes No	Gravel High Class Bituminous High Class Bituminous	Rural Rural	444 9 4581 8 86 9	18 15 19	8.85	85 85 85	Good Condition Good Condition Good Condition	25	7.5 278.3 4.3	2113 196 963	7.00	7.30 10.00 8.50	15425 1372 8186	Resurface Preventative Maintenance Preventative Maintenance	\$694,125.00 \$8,232.00 \$49,116.00	\$45.00 \$6.00 \$6.00	
SRRD-0013 YRRD-0007	Main Street Mill Street	Greco Ridge Lane Weston Road	Highway 9 Second Street	Schomberg Laskay	No No	High Class Bituminous High Class Bituminous Low Class Bituminous	Urban Semi-Urban	3980 9 72 8	17	8.63	85	Good Condition Good Condition	24	169.2	71	10.00 6.00	10.00 9.70	710	Drawantativa Maintanana	64 360 00	66.00	
KRRD-0052.1 KRRD-0068	Martin Street Bennet Drive	160m W. of Norman Drive Forde Crescent	Melrose Avenue Warren Road	King City King City	No	High Class Bituminous High Class Bituminous	Semi-Urban	358 8 307 8	16	8.99 9.05	86	Good Condition Good Condition	13	23.7 15.2	197 142	9.00	9.00 8.50	1773	Preventative Maintenance Preventative Maintenance Preventative Maintenance	\$7,092.00	\$4.00 \$6.00	
KRRD-0167 KRRD-0189	Dew Street Nicort Road	William Street Terry View Drive	King Boulevard Lilly Valley Crescent	King City King City	No	High Class Bituminous High Class Bituminous	Semi-Urban	203 8	20 20	8.99 9.42	86 86	Good Condition Good Condition	11 16	17.2 -1	244	7.00 8.00	9.00	1708	Preventative Maintenance Preventative Maintenance	\$6,832.00 \$9,600.00	\$4.00 \$6.00	
KRRD-0235 NRRD-0078	Bennet Drive Noblewood Drive	Forde Crescent (West Intersection) Hollywood Crescent	190m E. of Forde Crescent Greenside Drive	King City Nobleton	No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	307 8 1752 8	16 16	9.05	86	Good Condition Good Condition	12 18	25.4 108.6	190 197	7.20 6.40	9.90 9.00	1368 1261	Preventative Maintenance Preventative Maintenance	\$5,472.00 \$7,566.00	\$4.00 \$6.00	
ORRD-0017 ORRD-0036	Jane Street 19th Sideroad	South Canal Bank Road 1.35km W. of Old Bathurst Street	Woodchoppers Lane Dufferin Street	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous High Class Bituminous	Rural	986 8 1350 8	10 15	9.01 9.06	86 86	Good Condition Good Condition	16 17	86.3 75.4	645 543	6.80 7.10	9.20 9.10	4386 3855	Preventative Maintenance Preventative Maintenance	\$17,544.00 \$23,130.00	\$4.00 \$6.00	
ORRD-0057 ORRD-0073	Lane Road 2nd Concession	King View Crescent Hanemaayer Lane	End (South)	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous Gravel	Semi-Urban	15 8 421 8	16 18	8.98 9.22	86 86	Good Condition Good Condition	8 13	1.3 6.5	86 205	6.70	11.00 7.50	576 1538	Preventative Maintenance Resurface	\$2,304.00 \$69,210.00	\$4.00 \$45.00	
ORRD-0091 ORRD-0142	William's Court 18th Sideroad	Hodgson Avenue 11th Concession	End (Cul-de-Sac) 12th Concession	King Twp. (Rural) King Twp. (Rural)	No No	Low Class Bituminous Gravel	Semi-Urban Rural	127 9	18 19	9.22 8.96	86 86	Good Condition Good Condition	9 10	7.6 32.4	126 2083	6.70 7.40	9.70 9.20	19164	Preventative Maintenance Routine Maintenance	\$3,376.00 \$766.560.00	\$4.00 \$40.00	
ORRD-0188 ORRD-0191	15th Sideroad 16th Sideroad	Weston Road Keele Street	End (East) Jane Street	King Twp. (Rural) King Twp. (Rural)	No No	Gravel High Class Bituminous	Rural	186 9 696 8	19 18	8.96 9.04	86 86	Good Condition Good Condition	11 15	71.5 62.8	388 2082	5.10 6.60	6.10 8.90	2367 13741	Routine Maintenance Preventative Maintenance	\$94,680.00 \$54,964.00	\$40.00 \$4.00	
ORRD-0257 ORRD-0267	10th Concession 17th Sideroad	165m S. of 15th Sideroad 8th Concession	End (East)	King Twp. (Rural) King Twp. (Rural)	No No	Gravel Gravel	Rural	436 9 159 9	19 17	8.93 8.89	86 86	Good Condition Good Condition	13 11 22	6.4 61.1	398		7.90 6.10	1311 2428	Routine Maintenance	\$58,995.00 \$97,120.00	\$45.00 \$40.00	
SRRD-0004 SRRD-0031	Main Street Cooper Drive	Western Avenue Dr. Jones Drive	Ben Boy Avenue Dr. Kay Drive	Schomberg Schomberg	No	High Class Bituminous High Class Bituminous	Urban	3980 8 1024 8	17	9.06 8.99	86 86	Good Condition Good Condition	16	157.9 47.8	306	10.00 8.50	10.00 8.50	1440 2601	Preventative Maintenance Preventative Maintenance	\$8,640.00	\$6.00 \$6.00	
SRRD-0045	Main Street	Highway 27	Cooper Drive	Schomberg	No	High Class Bituminous	Urban	3219 9	18	8.68	86	Good Condition	21	-1	236	10.00	l	2360	Preventative Maintenance	\$14,160.00	\$6.00	

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Appendix E - Road Improvement Needs (Sorted by PCI)

Appendix	E - Road Improvemei	nt Needs (Sorted by PCI)																				
Municipal ID	Name	Name From	Name To	Community	Boundary Road	Surface Material	Roadside Environment	AADT	Ride Comfort Rating (RCR) Structural Adequacy (1-	DMI	PCI	PCI Class	Priority Rating (PR)	Priority Guide Number (PGN)	Road Lengt (m)	h Road Width	Platform Width (m)	h Surface Are (m²)	a Proposed Lifecycle Improvement	Improvement Cost	Benchmark Cost (\$/m²)	OSIM Culverts/Bridges
YRRD-0006 KRRD-0100	Mill Street McClure Drive	Second Street Curtis Crescent	End (West) Cambria Place	Laskay King City	No No	High Class Bituminou High Class Bituminou		72 168	9 18		86	Good Condition Good Condition	9	-1 7.3	120 175	6.00 8.50	8.50	720 1488	Preventative Maintenance		\$4.00 \$6.00	
KRRD-0101 KRRD-0107	Burns Boulevard Elizabeth Grove	Walkington Way Banner Lane	Findlay Avenue Clearview Heights	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban	290 204	8 18	9.13	87	Good Condition Good Condition	11 10	13.3	348 45	8.00	8.50 8.50	2784 360	Preventative Maintenance			
KRRD-0122 KRRD-0131	Warren Road Austin Rumble Court	Banner Lane Burton Grove	Patricia Drive Richard Serra Court	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban s Urban	827 167	7 20 8 20	9.54 9.16	87 87	Good Condition Good Condition	14 10	38.1 -1	254 139	8.00 8.00	8.50	2032 1112	Preventative Maintenance Preventative Maintenance	\$12,192.00 \$6,672.00	\$6.00	Structure 0220
KRRD-0142 KRRD-0182	Warren Road East Humber Drive	Lavender Valley Road Humber Valley Crescent	Bennet Drive Humber Valley Crescent	King City King City	No	High Class Bituminou High Class Bituminou	s Urban	827 1033	8 15 9 18			Good Condition Good Condition	14 15	35.9 47.6	232 517	8.50 8.00	8.50 8.50	1972 4136	Preventative Maintenance Preventative Maintenance	\$11,832.00 \$24,816.00	\$6.00 \$6.00	
KRRD-0183 KRRD-0234	Curtis Crescent Warren Road	McClure Drive Bennet Drive	McClure Drive 50m N. of Bennet Drive	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban s Urban	567 827	9 20 8 17	9.14	87	Good Condition Good Condition	13 14	26.1 38.1	900 47	8.00 8.00	8.50 8.50	7200 376	Preventative Maintenance Preventative Maintenance	\$43,200.00 \$2,256.00	\$6.00 \$6.00	
NRRD-0027 NRRD-0028	Old King Road Woodhill Avenue	Highway 27 King Road	King Road Farmcrest Court	Nobleton Nobleton		High Class Bituminou High Class Bituminou	s Urban	436 704	7 17 8 20	9.11	87	Good Condition Good Condition	12 14	19.8 27	181 195	8.10 9.60	9.60 10.20		Preventative Maintenance	\$11,232.00		Structure 0223
NRRD-0065 NRRD-0089	Farmcrest Court MacTaggart Drive	Woodhill Avenue McCutcheon Avenue	End (Cul-de-Sac) Highway 27	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	s Urban	86 589	8 17	9.10	87	Good Condition Good Condition	13	3.9 21.7	200 169	8.10 10.00	8.70 10.00	1690	Preventative Maintenance Preventative Maintenance	\$10,140.00	\$6.00	
ORRD-0047 ORRD-0136	19th Sideroad 11th Concession	Little Rebel Road 1.3km N. of King Road	10th Concession 15th Sideroad	King Twp. (Rural King Twp. (Rural	No No	High Class Bituminou High Class Bituminou	s Rural	671 152	8 18 10 20	8.61	87	Good Condition Good Condition	13 10	61.8 13.3	196 921	6.00	8.00 8.50	1176 5802	Preventative Maintenance		\$4.00 \$4.00	
ORRD-0160 ORRD-0196	2nd Concession 17th Sideroad	Davis Road 8th Concession	Hanemaayer Lane Highway 27	King Twp. (Rural King Twp. (Rural	No No	Gravel Gravel	Rural	421 357	8 19 9 18	9.00	87	Good Condition Good Condition	12	6.5	631 2042	6.00 5.70	7.50 6.70	4733 13681	Resurface Resurface	\$212,985.00 \$547,240.00	\$40.00	
ORRD-0199 ORRD-0222 ORRD-0237	11th Concession 16th Sideroad Wilhelmena Road	King Road  Dufferin Street  Dufferin Street	1.3km N. of King Road Keele Street End (Canal)	King Twp. (Rural King Twp. (Rural King Twp. (Rural	No No	High Class Bituminou High Class Bituminou Gravel	s Rural	152 437 253	9 20	8.89	87	Good Condition Good Condition Good Condition	10	13.3 33.5 5.1	1273 2103 758	6.30 7.20 5.10	8.50 9.80 6.10	8020 15142 4624	Preventative Maintenance Preventative Maintenance Resurface	\$32,080.00 \$60,568.00 \$184,960.00	\$4.00 \$4.00 \$40.00	
ORRD-0251 YRRD-0008	17th Sideroad Centre View Avenue	Jane Street  45m E. of Weston Road	End (West) Prince Adam Court	King Twp. (Rural Laskay	No No	Gravel High Class Bituminou	Rural S Semi-Urban	245 171	9 19	9.00	87	Good Condition Good Condition	11	5.4 12.6	921	4.50 7.50	5.50 9.50	5086 705	Resurface Preventative Maintenance	\$202,640.00 \$2.820.00	\$40.00 \$40.00	
BRRD-0004	Lorne Avenue Walkington Way	Lorne Avenue  Burns Boulevard	End (South) Langdon Drive	Kettleby King City	No No	High Class Bituminou High Class Bituminou	s Rural	26 240	8 19 10 20	9.24	88	Good Condition Good Condition	7	-1 9.6	251 198	6.10 8.50	8.50	1531 1683	Preventative Maintenance Preventative Maintenance	\$6,124.00	\$4.00	
KRRD-0027 KRRD-0078	Burton Grove Cadden Court	McBride Crescent Warren Road	Keele Street End (Cul-de-Sac)	King City King City	No	High Class Bituminou High Class Bituminou	s Urban	497	8 20 8 20	9.28	88	Good Condition Good Condition	12	21.1	253 147	8.00	8.50 8.50	2024	Decumentative Maintenance	612 144 00	\$6.00 \$6.00	
KRRD-0082 KRRD-0088	Patton Street Richard Serra Court	Warren Road Chuck Ormsby Crescent	Elizabeth Grove Chuck Ormsby Crescent	King City King City	No No	High Class Bituminou High Class Bituminou	s Semi-Urban s Urban	215 997 243	8 16 10 20	9.28	88	Good Condition Good Condition	14	8.9 72.7 -1	101 196	8.20 7.00 8.00	8.50 9.70	707 1568	Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance	\$2,828.00 \$9,408.00	\$4.00 \$6.00	
KRRD-0106 KRRD-0113	Kingslynn Drive Clearview Heights	Patton Street McBride Crescent	Hollingsworth Drive Elizabeth Grove	King City King City	No No	High Class Bituminou High Class Bituminou	s Semi-Urban	294 489	7 20 8 20	9.57	88	Good Condition Good Condition	10 12	21.4 35.6	203 292	7.00 7.00	9.80 9.00	1421 2044	Preventative Maintenance	\$5,684.00 \$8,176.00	\$4.00	
KRRD-0116 KRRD-0214	Spring Hill Drive Burns Boulevard	King Road Bri Way	Adelia Place Robert Berry Crescent	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban s Urban	290 290	7 20 7 20	9.58 9.62	88 88	Good Condition Good Condition	10 10	-1 11.6	332 187	8.00 8.50	8.50	2656 1590	Preventative Maintenance Preventative Maintenance	\$15,936.00 \$9,540.00	\$6.00 \$6.00	
LRRD-0011 NRRD-0241	Little Rebel Road Lynwood Crescent	19th Sideroad Norman Avenue	Rebellion Way 235m N. of Norman Avenue	King Twp. (Rural Nobleton	No	High Class Bituminou High Class Bituminou	s Semi-Urban	592 467	8 19 9 18	9.21 9.01	88 88	Good Condition Good Condition		43.1 34	295 234 1465	7.00 7.00	10.00 8.60	1638	Preventative Maintenance Preventative Maintenance	\$6,552.00	\$4.00 \$4.00	
ORRD-0013 ORRD-0021	15th Sideroad Keele Street	0.55km E. of Highway 27 110m N. of Woodchoppers Lane	10th Concession Strawberry Lane	King Twp. (Rural King Twp. (Rural	No No	Gravel High Class Bituminou		108 1609	9 18 9 17	8.99	88	Good Condition Good Condition	8 15	29.7 84.2	759	6.30 6.50	7.30 8.50	4934	Routine Maintenance Preventative Maintenance			
ORRD-0049 ORRD-0067	8th Concession 11th Concession	Lloydtown/Aurora Road King Road	Highway 9 End (South)	King Twp. (Rural King Twp. (Rural	l) No	High Class Bituminou Gravel	Rural	777 61	8 16 9 18	9.11	88	Good Condition Good Condition	13	56.6 18.3	2077 1284	7.00 5.70	9.00 6.70	8603	Preventative Maintenance Routine Maintenance	\$344,120.00	\$40.00	
ORRD-0083 ORRD-0089	West Canal Bank Road 15th Sideroad	Highway 9 11th Concession	King - Simcoe County Boundary End (West)	King Twp. (Rural King Twp. (Rural	No No	Low Class Bituminou Gravel	Rural	244 32	9 20 9 18	9.11	88	Good Condition Good Condition	10 7	22.6 10.6	324 804	5.50 5.10	8.00 6.10	4904		\$196,160.00	\$4.00 \$40.00	
ORRD-0170 ORRD-0223	King View Crescent 16th Sideroad	King View Crescent (Fork) 11th Concession	Lane Road 12th Concession	King Twp. (Rural King Twp. (Rural		High Class Bituminou High Class Bituminou	s Rural	269 557	8 17 10 17	8.78	88	Good Condition Good Condition	10	20.5 39.4	317 2093	6.70 7.20	9.00 8.80	15070	Preventative Maintenance Preventative Maintenance	\$60,280.00	\$4.00 \$4.00	
SRRD-0009 SRRD-0048 KRRD-0039	Dr. Jones Drive Dillane Drive	Willard Hunt Court Proctor Road McBride Crescent	Cooper Drive Sproule Street	Schomberg Schomberg		High Class Bituminou High Class Bituminou	s Urban	456 1092	8 18 10 20	8.75	88	Good Condition Good Condition	11	18.2 -1 60.1	140 371	9.00	9.00		Preventative Maintenance Preventative Maintenance	\$20,034.00		
KRRD-0039 KRRD-0094 KRRD-0104	Elizabeth Grove King Boulevard McClure Drive	King Road Cambria Place	Patton Street Dew Street Gillham Circle	King City King City	No No No	High Class Bituminou High Class Bituminou	s Semi-Urban	900 423 168	8 15 8 18	9.38	89	Good Condition Good Condition	12	30 6.5	185 163 84	7.00 6.60 8.00	9.00 9.00 8.50	1295 1076	Preventative Maintenance Preventative Maintenance	\$4,304.00	\$4.00 \$4.00 \$6.00	
KRRD-0104 KRRD-0127 KRRD-0158	Carmichael Crescent Dennison Street	Jenkinson Grove Keele Street	Di Nardo Court	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	s Urban	699 132		9.06	89	Good Condition Good Condition Good Condition		-1 5.1	303 192	8.00 8.00	8.50	2424	Preventative Maintenance Preventative Maintenance Preventative Maintenance	\$14,544.00	\$6.00 \$6.00	
KRRD-0223.1 KRRD-0237	Collard Drive Forde Crescent	Winter Road Bennet Drive	Valleycrest Drive 175m N. of Winter Road 140m E. of Bennet Drive	King City King City	No	High Class Bituminou High Class Bituminou	s Semi-Urban	102	7 20 8 16	9.71	89	Good Condition Good Condition	8 9	7.4 19.1	154	6.40	9.80	986 980	Preventative Maintenance Preventative Maintenance	\$3,944.00	\$4.00 \$4.00	
NRRD-0009 NRRD-0045	Norman Avenue Lynwood Crescent	Highway 27 235m N. of Norman Avenue	Lynwood Crescent Hill Farm Road	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	s Semi-Urban	292 378	8 17	9.29	89	Good Condition Good Condition	9	23.5	251 163	5.80 8.50	7.60 8.50	1456	Preventative Maintenance Preventative Maintenance		\$4.00 \$6.00	
ORRD-0005 ORRD-0018	7th Concession 7th Concession	0.86km S. of 18th Sideroad Pine Valley Drive	End (South) End (North)	King Twp. (Rural King Twp. (Rural	) No	Gravel Low Class Bituminou	Rural	216 32	9 19	9.26	89	Good Condition Good Condition	9	2.5	1256 466	6.00	9.10 7.50	11430 3122	Resurface Preventative Maintenance	\$457,200.00	\$40.00	
ORRD-0181.1 ORRD-0189	19th Sideroad 8th Concession	230m W. of Dufferin Street 15th Sideroad	1.86km W. of Dufferin Street 16th Sideroad	King Twp. (Rural King Twp. (Rural	l) No	Gravel Low Class Bituminou	Rural	865 1010	9 18	9.22	89	Good Condition Good Condition	12 13	2.2 10.7 48.4	1635 2054	6.30 6.50	7.30 8.50	11936 13351	Resurface	\$537,120.00	\$45.00 \$6.00	
ORRD-0204 SRRD-0003	Carrying Place Trail Moore Park Drive	19th Sideroad Maynard Drive	Brule Trail Marlynn Court	King Twp. (Rural Schomberg	No No	High Class Bituminou High Class Bituminou	s Urban	464 730	8 18 9 19	9.33 9.06	89 89	Good Condition Good Condition	10 12	17 26.8	578 335	8.50 8.50	8.50 8.50	4913 2848	Preventative Maintenance Preventative Maintenance	\$29,478.00	\$6.00	
SRRD-0032 SRRD-0034	Rice Drive Moore Park Drive	Cooper Drive Marlynn Court	End (Loop) End (Cul-de-Sac)	Schomberg Schomberg	No	High Class Bituminou High Class Bituminou	s Urban	171 730	9 18 9 19	9.10	89	Good Condition Good Condition	8 12	6.3 26.8	227 131	8.50 8.50	8.50 8.50	1930 1114		\$6,684.00	\$6.00 \$6.00	
SRRD-0070 ARRD-0003.2	Roselena Drive Bernhardt Road	McGuire Court 200m W. of Dufferin Street	80m E. of Mill Dam Court End (West)	Schomberg Ansnorvelt	No No	High Class Bituminou Gravel	Rural	1441 308	8 18 9 19	9.39	90	Good Condition Good Condition	14 9	52.9 4.3	132 1206	8.50 5.70	8.50 6.70	8080	Preventative Maintenance Resurface	\$323,200.00	\$6.00 \$40.00	
KRRD-0002 KRRD-0037	Elizabeth Grove Bennet Drive	Clearview Heights Banner Lane	Patricia Drive Forde Crescent	King City King City	No No	High Class Bituminou High Class Bituminou	s Semi-Urban	204 307	8 20 8 20	9.46	90	Good Condition Good Condition	8 9	31.3 54	99 90	8.00 7.00	8.50 10.00	792 630	Routine Maintenance Routine Maintenance		\$0.75 \$0.75	
KRRD-0061 KRRD-0075	Melrose Avenue Clearview Crescent	Charles Street Keele Street	End (West) Clearview Heights	King City King City	No	High Class Bituminou High Class Bituminou	s Semi-Urban	326 432	8 19 8 20	9.42	90	Good Condition Good Condition	9	47.2 75.9	76 75	8.50 7.00	8.50 8.50	646 525	Routine Maintenance Routine Maintenance	\$393.75	\$0.75 \$0.75	
KRRD-0089 KRRD-0177.2 NRRD-0155	William Street Dennison Street	Dew Street 610m E. of Valleycrest Drive	End (Cul-de-Sac) East Humber Drive	King City King City	No No No	High Class Bituminou High Class Bituminou	s Urban	58 132 458	8 17 8 17	9.46	90	Good Condition Good Condition	6 7	8.7 20.3 64.8	59 271 197	8.20 8.00 8.70	8.50 8.50 8.70		Routine Maintenance Routine Maintenance		\$0.75 \$0.75 \$0.75	
NRRD-0243 ORRD-0037.2	Paradise Valley Trail Wellar Avenue Dufferin Street	Unnamed (Planned Road) Cross Avenue 400m, N. 19th Sideroad	West Coast Trail 90m N. of Cross Avenue 1.4km N. 19th Sideroad	Nobleton Nobleton King Twp. (Rural	No	High Class Bituminou High Class Bituminou Gravel	s Urban	343 494	9 18	9.17	90	Good Condition Good Condition Good Condition	9	52.8 4.2	87 998	8.00 6.00	8.50 9.60	696 9581	Routine Maintenance Routine Maintenance Resurface	\$522.00 \$431.145.00	\$0.75 \$0.75 \$45.00	Structure 0332
ORRD-0111.2	Glenville Road Humber Trail	140m N. 19th Stderdad 140m N. of Davis Drive West Forest Trail	Dufferin Street End (West)	King Twp. (Rural King Twp. (Rural	No No	Gravel Gravel		85 153	7 18	10.00	90	Good Condition Good Condition	7	21.2 42.7	762 325	5.70	6.70 6.00		Routine Maintenance Routine Maintenance	\$204,200.00		Structure 0332
ORRD-0164	Forest Trail	Humber Trail 18th Sideroad	End (Ness) End (South) 1.7km N. of 18th Sideroad	King Twp. (Rural King Twp. (Rural	l) No	Gravel High Class Bituminou	Rural	153	7 0 9 18	10.00	90	Good Condition Good Condition	7	42.7	41 1705	6.00	6.00 8.10	246	Routine Maintenance Routine Maintenance	\$9,840.00	\$40.00	
ORRD-0185 ORRD-0272 SRRD-0037	8th Concession 15th Sideroad Jessop Avenue	1.8km East of Weston Road  Cooper Drive	7th Concession Cooper Drive	King Twp. (Rural Schomberg	) No	High Class Bituminou High Class Bituminou	s Rural	1293 599 456	10 16 9 18	9.02	90	Good Condition Good Condition	10	260.9 102.4 66	382 273	7.20 8.50	8.50 8.50	2750		\$2,062.50	\$0.75 \$0.75	
SRRD-0060 BRRD-0002	Roselena Drive Kettleby Road	Quaker House Lane Lorne Avenue	End (Cul-de-Sac) Jane Street	Schomberg Kettleby	No	High Class Bituminou High Class Bituminou	s Urban	1441		9.47	90	Good Condition Good Condition	12 11	208.7 202.5	225 693	8.50 6.50	8.50 9.40	1913	Routine Maintenance Routine Maintenance	\$1,434.75	\$0.75 \$0.75	
KRRD-0022 KRRD-0025	Kingscross Drive Sunbloom Street	Carmichael Crescent Tatton Court	McKellar Lane End (North)	King City King City	No No	High Class Bituminou High Class Bituminou		1303		9.59	91	Good Condition Good Condition	11	215.5	136 41	6.70 8.50	9.70	911 349	Routine Maintenance	\$683.25 \$261.75	\$0.75 \$0.75	
KRRD-0040 KRRD-0072	Tawes Trail Kingslynn Drive	Jenkinson Grove Patton Street	End (Cul-de-Sac) End (West)	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban	43 294	8 19 8 20	9.54	91	Good Condition Good Condition	5 8	5.9 50.1	112 165	8.00 6.50	8.50 9.20	896 1073	Routine Maintenance Routine Maintenance	\$672.00 \$804.75	\$0.75 \$0.75	
KRRD-0083 KRRD-0086	Chuck Ormsby Crescent Patricia Drive	Richard Serra Court McBride Crescent	Ron Coles Lane Elizabeth Grove	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban s Semi-Urban	497 396	10 20 8 20	9.13 9.62	91 91	Good Condition Good Condition	9 8	-1 62.6	327 295	8.50 7.00	9.40	2780 2065	Routine Maintenance Routine Maintenance	\$2,085.00 \$1,548.75	\$0.75 \$0.75	
KRRD-0090 KRRD-0111	Curran Court McClure Drive	Carmichael Crescent Pellatt Grove	End (Cul-de-Sac) Curtis Crescent	King City King City	No	High Class Bituminou High Class Bituminou	s Urban	171 168	8 18 10 18	9.10	91	Good Condition Good Condition	7	23.7 21.9	174 59	8.00 8.50	8.50 8.50	1392 502	Routine Maintenance Routine Maintenance	\$376.50	\$0.75 \$0.75	
KRRD-0135 KRRD-0150	Findlay Avenue Fisher Street	Burns Boulevard King Road	Dennis Drive End (Cul-de-Sac)	King City King City	No	High Class Bituminou High Class Bituminou	s Urban	264 286	8 18 10 18	9.13	91	Good Condition Good Condition	8	34.4 39.6	193 201	8.50 8.00	8.50 8.50	1608	Routine Maintenance Routine Maintenance	\$1,206.00	\$0.75 \$0.75	
KRRD-0161 KRRD-0162	Spring Hill Drive McClure Drive	Lavender Valley Road Curtis Crescent	Ria Court Aukland Lane	King City King City	No	High Class Bituminou High Class Bituminou	s Urban	290 168	7 20 9 19	9.34	91	Good Condition Good Condition	7	-1 23.2	116 205	8.70 8.00	8.50	1640	Routine Maintenance Routine Maintenance	\$1,230.00	\$0.75 \$0.75	
KRRD-0206 KRRD-0211	Burns Boulevard Burns Boulevard	Findlay Avenue Charles Street College Drive (Most Internection)	Station Road Bri Way College Drive (Feet Intersection)	King City King City	No	High Class Bituminou High Class Bituminou	s Urban	329 290		10.00	91	Good Condition Good Condition	8 8	37.2 37.8	102 116	9.80 8.50	9.80 8.50 9.80	1000 986 4474	Routine Maintenance Routine Maintenance	\$739.50	\$0.75 \$0.75	
KRRD-0226 NRRD-0008 NRRD-0030	Scott Crescent Macmurchy Avenue Royal Avenue	Collard Drive (West Intersection)  Albert Hill Court  King Road	Collard Drive (East Intersection) End (Cul-de-Sac) Lynwood Crescent	King City Nobleton Nobleton	No No No	High Class Bituminou High Class Bituminou	s Urban	244 302 175	7 20 10 20 9 18	9.06	91	Good Condition Good Condition Good Condition	8 7	42.2 -1 32.3	699 283 217	6.40 8.50 6.00	9.80	2406	Routine Maintenance Routine Maintenance Routine Maintenance	\$1,804.50	\$0.75 \$0.75 \$0.75	
NRRD-0113 NRRD-0233	Skyline Trail Northcott Way	King Road Bluff Trail (Traffic Circle) New Scotland Court	Aspen King Court End (Cul-de-Sac)	Nobleton Nobleton Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	s Urban	1/5 466 466		9.31	91	Good Condition Good Condition Good Condition	9	32.3 64.5 64.5	104 58	8.00 8.00	8.70 8.50		Routine Maintenance Routine Maintenance Routine Maintenance	\$624.00	\$0.75 \$0.75 \$0.75	
ORRD-0031	Pumphouse Road Fairfield Drive	Graham Sideroad  Eden Vale Drive	End (Cui-de-Sac) End (Canal) Eden Vale Drive	King Twp. (Rural King Twp. (Rural	) No	High Class Bituminou High Class Bituminou	s Rural	1715 555	10 19 8 20	9.11	91	Good Condition  Good Condition	12	292.3 76.8	1438 207	6.50 8.00	9.50 8.50	9347	Routine Maintenance Routine Maintenance	\$7,010.25	\$0.75 \$0.75 \$0.75	
ORRD-0059 ORRD-0086 ORRD-0129	Keele Street 18th Sideroad	Woodchoppers Lane 8th Concession	110m N. of Woodchoppers Lane Highway 27	King Twp. (Rural King Twp. (Rural	l) No	High Class Bituminou High Class Bituminou	s Semi-Urban	1609 267	9 18 10 20	9.34	91	Good Condition Good Condition	11	-1 49.3	107	8.00 6.00		856	Routine Maintenance Routine Maintenance Routine Maintenance	\$642.00	\$0.75	
ORRD-0139 ORRD-0156	Davis Road Mill Road	2nd Concession Elmpine Trail	King-Simcoe County Boundary Humber Trail	King Twp. (Rural King Twp. (Rural	No No	High Class Bituminou	s Rural	437 566	7 16	10.00	91	Good Condition	8	80.6 5.7	939	6.00	7.90	5634 2745	Routine Maintenance Resurface	\$4,225.50 \$123.525.00	\$0.75 \$45.00	
ORRD-0161 ORRD-0217	10th Concession Bell's Lake Road	18th Sideroad Highway 27	19th Sideroad Highway 27	King Twp. (Rural King Twp. (Rural	l) No	Gravel High Class Bituminou Low Class Bituminou	s Rural	165 827	10 20 10 0	9.14 9.30	91 91	Good Condition Good Condition Good Condition	7	28.1 -1	2000 390		7.90	13000	Routine Maintenance Routine Maintenance	\$9,750.00	\$0.75 \$0.00	
ORRD-0225.2 ORRD-0232	10th Concession 17th Sideroad	90m N. of 15th Sideroad Weston Road	16th Sideroad End (East)	King Twp. (Rural King Twp. (Rural	l) No	High Class Bituminou Gravel	Rural Rural	265 32	10 20 10 20	9.13	91 91	Good Condition Good Condition	8 5	48.9 8.8	1756 1834	6.00 4.50	5.50	10536 10087	Routine Maintenance Routine Maintenance	\$7,902.00 \$403,480.00	\$0.75 \$40.00	
SRRD-0033 SRRD-0043	Waterlily Trail Marlynn Court	Mapleton Mills Drive Moore Park Drive	Mapleton Mills Drive End (Cul-de-Sac)	Schomberg Schomberg	No No	High Class Bituminou High Class Bituminou	s Urban s Urban	329 58	10 19 9 20	9.07 9.25	91 91	Good Condition Good Condition	8	42.4 7.5	463 41	8.60 8.50	8.60 8.50	3982 349	Routine Maintenance Routine Maintenance	\$2,986.50 \$261.75	\$0.75 \$0.75	
SRRD-0066 YRRD-0020	Willard Hunt Court Centre View Avenue	Dr. Jones Drive Weston Road	End (Cul-de-Sac) 45m E. of Weston Road	Schomberg Laskay	No No	High Class Bituminou High Class Bituminou	s Urban	186 171	8 20	9.57	91	Good Condition Good Condition		24.2 23.7	74 45	8.50 8.00	8.50 8.50	360	Routine Maintenance Routine Maintenance	\$270.00	\$0.75	
ARRD-0005 KRRD-0036	King Street Melrose Avenue	Dufferin Street Martin Street	King St. Fork Charles Street	Ansnorvelt King City	No	High Class Bituminou High Class Bituminou	s Semi-Urban	1104 326	8 18	9.21 9.64	92	Good Condition Good Condition	9 7	178.2 37.8	234 141	6.10 8.50	7.30 8.50	1427 1199	Routine Maintenance Routine Maintenance	\$1,070.25 \$899.25	\$0.75 \$0.75	
KRRD-0054 KRRD-0065	Warren Road Carmichael Crescent	Cadden Court Keele Street	Alex Campbell Crescent Curran Court	King City King City	No No	High Class Bituminou High Class Bituminou	s Urban s Urban	2210 699		9.45	92 92	Good Condition Good Condition	11 8	265.4	69 89	8.20 8.00	8.50	712	Routine Maintenance Routine Maintenance	\$534.00	\$0.75 \$0.75	
KRRD-0103 KRRD-0108	Kingscross Drive John Street Alex Campbell Crescent	Keri Court King Road Alex Campball Crescent (Loon)	Chelsea Lane James Street King Road	King City King City	No No	High Class Bituminou High Class Bituminou	s Semi-Urban	1303 192 900		9.64	92	Good Condition Good Condition Good Condition	10 6	191.5 27 110.8	172 117 447	6.70 7.00 8.00	9.70 8.50 8.60	819	Routine Maintenance Routine Maintenance Routine Maintenance	\$614.25	\$0.75 \$0.75 \$0.75	
KRRD-0108 KRRD-0129 KRRD-0132	Alex Campbell Crescent Alex Campbell Crescent Chuck Ormsby Crescent	Alex Campbell Crescent (Loop) King Road Ron Coles Lane	Alex Campbell Crescent (Loop)  Ron Coles Lane	King City King City		High Class Bituminou High Class Bituminou High Class Bituminou	s Urban	900 900 497	10 20	9.21	92	Good Condition Good Condition	9 8	110.8 110.8	190 353	8.00 8.00	8.60	1520	Routine Maintenance Routine Maintenance Routine Maintenance	\$1,140.00	\$0.75	
KRRD-0132 KRRD-0164 KRRD-0179	McClure Drive	Aukland Lane East Humber Drive	Carmichael Crescent East Humber Drive	King City King City King City	No	High Class Bituminou High Class Bituminou	s Urban	168	9 17	9.38	92	Good Condition Good Condition Good Condition	6	-1 20.6 74.2	94	8.00 8.00	8.50 8.50		Routine Maintenance Routine Maintenance Routine Maintenance			
VVKD-011.8	Humber Valley Crescent	East number Drive	East number Drive	King City	I NO	riigi1 Class biluminou	urban	003	a   18	9.36	92	Good Condition		19.2	010	6.00	8.50	4944	noutine maintenance	\$3,700.00	\$0.75	

Appendix E - Road Improvement Needs (Sorted by PCI)

funicipal ID KRRD-0184	Name	Name From			Roundary	Por	padside ,	Ride Comfort	Structural												
KRRD-0184		Munic From	Name To	Community	Boundary Road		ironment	ADT Rating (RCR)	Adequacy (1-	DMI	PCI	PCI Class	Priority Priority Guide Rating (PR) Number (PGN		Road Widt (m)		face Area (m²)	Proposed Lifecycle Improvement	Improvement Cost	Benchmark Cost (\$/m²)	OSIM Culverts/Bridges
KDDD 0000	Melrose Avenue	John Street	Martin Street	King City	No	High Class Bituminous Sen High Class Bituminous U	mi-Urban Urban	326 8	18	9.64 9.42		Good Condition Good Condition	7 37.8 7 33.1	147	8.50 9.80	8.50	1250 1264	Routine Maintenance Routine Maintenance	\$937.50 \$948.00	\$0.75 \$0.75	
KRRD-0203 KRRD-0241 NRRD-0055	Burns Boulevard Hambly Avenue Kaake Road	Findlay Avenue Humber Crescent Goodfellow Crescent	Collard Drive 50m S. of Humber Crescent End (Cul-de-Sac)	King City King City Nobleton	No No No		Urban	300 9	20 19	9.42	92	Good Condition  Good Condition	7 42.2 5 8.3	50	7.00 8.50	8.40	350 1573	Routine Maintenance Routine Maintenance	\$262.50	\$0.75 \$0.75	
NRRD-0080 NRRD-0108	Piper Court Kinsley Street	Skyline Trail King Road	End (Cul-de-Sac) Faris Avenue	Nobleton Nobleton	No No	High Class Bituminous L High Class Bituminous Sen	Urban mi-Urban	66 8 184 10	18 20	9.66	92	Good Condition Good Condition	5 8.1 6 27	77	8.00 6.70	8.50 7.90	616 965	Routine Maintenance Routine Maintenance	\$462.00	\$0.75 \$0.75	
NRRD-0127 NRRD-0157 Parkheig	Woodhill Avenue ghts Trail / Samson Trail (Traffic Circle)	Gilbert Fuller Drive Parkheights Trail	Hawthorne Valley Road Parkheights Trail	Nobleton Nobleton	No No	High Class Bituminous L High Class Bituminous L	Urban	838 10	18 20	9.21 9.23	92	Good Condition Good Condition	9 130 9 -1	62 94	8.00 6.40		496 602	Routine Maintenance Routine Maintenance	\$451.50	\$0.75 \$0.75	
NRRD-0177 NRRD-0179 DRRD-0007	Parkheights Trail Parkheights Trail	Middlehead Trail Kettle Valley Trail	Kettle Valley Trail Blueberry Run Trail 10th Concession	Nobleton Nobleton		High Class Bituminous L High Class Bituminous L	Urban Urban		20		92	Good Condition Good Condition Good Condition	9 75 9 75 5 10.1		11.00 11.00 7.00	11.80		Routine Maintenance Routine Maintenance Routine Maintenance		\$0.75 \$0.75 \$0.75	
ORRD-0007 ORRD-0044 ORRD-0155	South Canal Bank Road 7th Concession	Highway 27 Davis Road Lloyd's Lane	Highway 400 19th Sideroad	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)		High Class Bituminous F Low Class Bituminous F High Class Bituminous F	Rural	155 10	20 20 20	9.44	92	Good Condition Good Condition Good Condition	5 10.1 6 -1 6 24.3	2016 65 376	7.00 5.70 5.10	6.70	370 1918	Routine Maintenance Routine Maintenance Routine Maintenance	\$0.00	\$0.75 \$0.00 \$0.75	
ORRD-0168 ORRD-0183	18th Sideroad Scotch Valley Drive	Highway 27 Norcliffe Drive	10th Concession End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)		High Class Bituminous F High Class Bituminous L	Rural	330 9	20	9.42	92	Good Condition Good Condition	7 54.1 4 1.9	2028 495	6.00	8.50	12168	Routine Maintenance Routine Maintenance	\$9,126.00	\$0.75 \$0.75	
ORRD-0215 ORRD-0229	South Canal Bank Road 10th Concession	Highway 9 16th Sideroad	Davis Road 16th Sideroad	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous F	Rural	155 10	20 19	9.25	92	Good Condition Good Condition	6 21.1 7 43.5	1127 147	7.20 6.00	8.10	8114	Routine Maintenance Routine Maintenance	\$6,085.50	\$0.75 \$0.75	
ORRD-0259 ORRD-0266	South Canal Bank Road Dufferin Street	Highway 400 630m N. of Miller's Sideroad	Wist Road King Street	King Twp. (Rural) King Twp. (Rural)	No No	Low Class Bituminous F High Class Bituminous F	Rural	1833 9	20 16	9.41	92	Good Condition Good Condition	6 -1 11 261.6	55 995	5.70 6.90	6.70 10.20	6866	Routine Maintenance Routine Maintenance	\$5,149.50	\$0.00 \$0.75	
SRRD-0002 SRRD-0017	Sproule Street McGuire Court	Dillane Drive Roselena Drive	End (Cul-de-Sac) End (Cul-de-Sac)	Schomberg Schomberg	No No	High Class Bituminous L High Class Bituminous L	Urban	72 10 100 9 766 9	20 19	9.40	92	Good Condition Good Condition Good Condition	5 -1 6 11.5	207 119	8.50 8.50	8.50	1760 1012 1131	Routine Maintenance Routine Maintenance	\$759.00	\$0.75 \$0.75	
SRRD-0030 SRRD-0041 SRRD-0064	Maynard Drive Main Street Waterlily Trail	Cutler Court  Ben Boy Avenue  Mapleton Mills Drive	Moore Park Drive Greco Ridge Lane Ben Boy Avenue	Schomberg Schomberg Schomberg	No No No	High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban	3980 9	19 17 19		92	Good Condition Good Condition Good Condition	9 88.7 13 392 7 37.7	133 141 91	8.50 10.00 8.60	10.00	1410	Routine Maintenance Routine Maintenance Routine Maintenance	\$1,057.50	\$0.75 \$0.75 \$0.75	
KRRD-0006 KRRD-0008	Jenkinson Grove Hambly Avenue	Tawes Trail 50m S. of Humber Crescent	Carmichael Crescent End	King City King City		High Class Bituminous U High Class Bituminous U	Urban	204 9	19	9.53	93	Good Condition Good Condition	6 21.9 5 7.7	232	8.00 8.00	8.50	1856 320	Routine Maintenance Routine Maintenance	\$1,392.00	\$0.75 \$0.75	
KRRD-0009 KRRD-0102	Patton Street Richard Serra Court	Hollingsworth Drive Austin Rumble Court	Kingslynn Drive Chuck Ormsby Crescent	King City King City	No No	High Class Bituminous L High Class Bituminous L	Urban	1368 9	20 20	9.47	93	Good Condition Good Condition	9 147.3 6 -1	104 181	8.00	8.50	832 1448	Routine Maintenance Routine Maintenance	\$624.00 \$1,086.00	\$0.75 \$0.75	
KRRD-0109 KRRD-0134	Richard Serra Court Chuck Ormsby Crescent	Austin Rumble Court Ron Coles Lane	End (Cul-de-Sac) Richard Serra Court	King City King City	No No	High Class Bituminous L High Class Bituminous L	Urban Urban	243 10 497 10	20 20	9.30 9.28	93 93	Good Condition Good Condition	6 -1 7 -1	416	8.00 8.00		1976 3328	Routine Maintenance Routine Maintenance	\$1,482.00	\$0.75 \$0.75	
KRRD-0185 KRRD-0190	Humber Crescent Sir Henry Court	Hambly Avenue Elmers Lane	Hambly Avenue End (Cul-de-Sac)	King City King City	No	High Class Bituminous Sen High Class Bituminous U	Urban	519 10	20 20	9.30	93	Good Condition Good Condition	6 38.6 7 -1	129	7.00 8.00		1032	Routine Maintenance Routine Maintenance	\$774.00	\$0.75 \$0.75	
KRRD-0191 KRRD-0193	Gellatly Court Cairns Gate	Cairns Gate Gellatly Court	End (Cul-de-Sac) End (Cul-de-Sac)	King City King City		High Class Bituminous L	Urban		20		93	Good Condition Good Condition	4 -1 7 -1	124 183	8.20 8.20 7.00		1501	Routine Maintenance Routine Maintenance	\$1,125.75	\$0.75 \$0.75	
KRRD-0195 KRRD-0196 KRRD-0200	15th Sideroad Elmers Lane 15th Sideroad	Cairns Gate 15th Sideroad Elmers Lane	Elmers Lane Lake Marie Trail Lake Marie Trail	King City King City King City	No	High Class Bituminous F High Class Bituminous U High Class Bituminous F	Urban	519 10	18 20 20	9.35	93	Good Condition Good Condition Good Condition	7 63.9 7 -1 7 63.9	265 236 78	7.00 8.00 7.00		1888	Routine Maintenance Routine Maintenance Routine Maintenance	\$1,416.00	\$0.75 \$0.75 \$0.75	
KRRD-0205 KRRD-0217	Burns Boulevard Dennis Drive	Station Road Walkington Way	Dennis Drive Burns Boulevard	King City King City	No	High Class Bituminous L High Class Bituminous L	Urban Urban	329 10 385 10	20 20 20	9.28	93	Good Condition Good Condition	6 28.9 6 -1	65 146	9.80 8.70	9.80	637 1270	Routine Maintenance Routine Maintenance	\$477.75	\$0.75 \$0.75	
KRRD-0227 KRRD-0230	Collard Drive Sir Henry Court	Scott Crescent (West Intersection)  Lake Marie Trail	Scott Crescent (East Intersection) Elmers Lane	King City King City	No No	High Class Bituminous Sen High Class Bituminous L	mi-Urban Urban	102 10 519 10	20 20	9.35 9.30	93 93	Good Condition Good Condition	5 13.7 7 -1	552 247	6.40 8.00	9.80	3533 1976	Routine Maintenance Routine Maintenance	\$2,649.75 \$1,482.00	\$0.75 \$0.75	
KRRD-0231 KRRD-0244	Elmers Lane Warren Road	Lake Marie Trail Patton Street	Sir Henry Court 120m E. of Patton Street	King City King City	No No	High Class Bituminous L High Class Bituminous Sen	mi-Urban		20 20	9.75	93	Good Condition Good Condition	7 -1 8 97.6	121	8.00 7.30	8.80	883	Routine Maintenance Routine Maintenance	\$662.25	\$0.75 \$0.75	
LRRD-0007 NRRD-0013	Church Street Woodhill Avenue	Centre Street Farmcrest Court	Rebellion Way Gilbert Fuller Drive	Lloydtown Nobleton	No No	High Class Bituminous U	Urban	271 10 1056 9	20 18		93	Good Condition Good Condition	6 -1 8 113.7	293 130 161	6.60 8.00 8.00	8.50	1934 1040 1288	Routine Maintenance Routine Maintenance Routine Maintenance	\$780.00	\$0.75 \$0.75 \$0.75	
NRRD-0086 NRRD-0110 NRRD-0150	Northcott Way Skyline Trail Aspen King Court	Westbrooke Boulevard Westbrooke Boulevard Skyline Trail	Skyline Trail Piper Court End (Cul-de-Sac)	Nobleton Nobleton Nobleton	No	High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban	466 9	18	9.50	93	Good Condition Good Condition Good Condition	7 50.2 7 50.2 4 -1	96	8.00 8.00	8.70	768	Routine Maintenance Routine Maintenance	\$576.00	\$0.75 \$0.75	
NRRD-0156 NRRD-0168	Paradise Valley Trail Parkheights Trail	West Coast Trail Blueberry Run Trail	Anderson Cove Trail Parkheights Trail (Traffic Circle)	Nobleton Nobleton	No	High Class Bituminous L High Class Bituminous L	Urban	458 9	19	9.48	93	Good Condition Good Condition	7 45.4 8 65.6	61 67	8.70 11.00	8.70		Routine Maintenance Routine Maintenance	\$398.25	\$0.75 \$0.75	
NRRD-0200 DRRD-0033 DRRD-0051	Wilkie Avenue 11th Concession	Oliver Emmerson Avenue 16th Sideroad	Larkin Avenue 16th Sideroad	Nobleton King Twp. (Rural)	No	High Class Bituminous L High Class Bituminous F	Urban Rural	302 10 1534 10	20 19	9.35	93	Good Condition Good Condition	6 32.5	97 79	8.00 6.50	8.50 10.30	776 514	Routine Maintenance Routine Maintenance	\$582.00 \$385.50	\$0.75 \$0.75	
ORRD-0061	10th Concession 15th Sideroad	Huntington Road 0.53km East of Weston Road	King Road 1.8km East of Weston Road	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous F	Rural Rural	599 10	20 17	9.36	93	Good Condition Good Condition	9 203.3 7 100.6 7 71.7	1574 1225	6.70 7.20	8.50		Routine Maintenance Routine Maintenance	\$6,615.00	\$0.75 \$0.75	
ORRD-0074 ORRD-0082 ORRD-0106	Fairfield Drive 18th Sideroad Norcliffe Drive	Eden Vale Drive 10th Concession Fairfield Drive	Nordiffe Drive 11th Concession	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous L High Class Bituminous F	Rural	555 8 86 10	18 20		93	Good Condition Good Condition	7 59.8 5 12.3	114 2049 207	8.00 6.00 8.50		912 12294	Routine Maintenance Routine Maintenance	\$9,220.50	\$0.75 \$0.75	
ORRD-0106 ORRD-0173 ORRD-0227	King View Crescent Dufferin Street	17th Sideroad 18th Sideroad	Scotch Valley Drive King View Crescent 19th Sideroad	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous U High Class Bituminous Sen High Class Bituminous F	Urban mi-Urban Rural	286 8	19	9.81	93	Good Condition Good Condition Good Condition	4 1.6 6 36.7 9 180.7	116	6.70 7.20	11.00	777 14846	Routine Maintenance Routine Maintenance Routine Maintenance	\$582.75	\$0.75 \$0.75	
DRRD-0271 SRRD-0018	8th Concession Dillane Drive	1.7km N. of 18th Sideroad Sproule Street	Lloydtown/Aurora Road Dr. Kay Drive	King Twp. (Rural) Schomberg	No No	High Class Bituminous F	Rural	1293 10 1092 10	20 19		93	Good Condition Good Condition	8 166.3 8 -1	310 180	6.70 9.00	8.50	2077	Routine Maintenance	\$1,557.75 \$1,215.00	\$0.75 \$0.75	
SRRD-0022 SRRD-0023	Church Street Quaker House Lane	Western Avenue Roselena Drive	Castlewood Avenue End (Cul-de-Sac)	Schomberg Schomberg	No	High Class Bituminous L High Class Bituminous L	Urban Urban	186 9	20 19	9.47	93	Good Condition Good Condition	6 -1 5 18.8	99	6.60 8.50	8.50	842	Routine Maintenance Routine Maintenance	\$631.50	\$0.75 \$0.75	
SRRD-0025 SRRD-0036	Moore Park Drive Mill Dam Court	Roselena Drive Roselena Drive	Maynard Drive End (Cul-de-Sac)	Schomberg Schomberg	No	High Class Bituminous U High Class Bituminous U	Urban	258 9	20 19	9.47	93	Good Condition Good Condition	7 74 6 26.1	167 135 94	8.50 8.50	8.50		Routine Maintenance Routine Maintenance	\$861.00	\$0.75 \$0.75	
SRRD-0057 KRRD-0013 KRRD-0026	Maynard Drive Pellatt Grove Patton Street	Highway 27 McClure Drive King Road	Cutter Court End (Cul-de-Sac) Hollingsworth Drive	Schomberg King City King City	No No No	High Class Bituminous U High Class Bituminous U High Class Bituminous U	Urban	766 9 72 9 1368 9	20 20	9.65	94	Good Condition Good Condition Good Condition	7 77.6 4 6.6 7 126.3	101 269	8.50 8.00 8.00	8.50		Routine Maintenance Routine Maintenance Routine Maintenance	\$606.00	\$0.75 \$0.75 \$0.75	
KRRD-0034 KRRD-0044	Charles Street James Street	James Street John Street	Meirose Avenue Charles Street	King City King City	No No	High Class Bituminous Sen High Class Bituminous Sen	mi-Urban	346 9	19 20	9.64	94	Good Condition Good Condition	5 28.4 5 20.3	112	9.00	9.00	1008 1905	Routine Maintenance Routine Maintenance	\$756.00	\$0.75 \$0.75	
KRRD-0055 KRRD-0056	Hollingsworth Drive Kingslynn Drive	Patton Street Hollingsworth Drive	End (West) Banner Lane	King City King City	No	High Class Bituminous Sen High Class Bituminous Sen	mi-Urban	72 9 294 8	20 20	9.93	94	Good Condition Good Condition	4 7.6 5 31	140 96	7.00 7.00	9.80	980 672	Routine Maintenance Routine Maintenance	\$504.00	\$0.75 \$0.75	
KRRD-0063 KRRD-0091	Martin Street Walkington Way	Hambly Avenue Langdon Drive	Norman Drive Dennis Drive	King City King City	No	High Class Bituminous U High Class Bituminous U	Urban	240 10	20 20	9.42	94	Good Condition Good Condition	5 31.1 5 20.8	230	8.50 8.50	8.50	1955	Routine Maintenance Routine Maintenance	\$1,466.25	\$0.75 \$0.75	
KRRD-0096 KRRD-0110	Warren Road Burton Grove Nicort Road	Patricia Drive Austin Rumble Court Lilly Valley Crescent	Lavender Valley Road McBride Crescent	King City King City King City	No	High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban	383 8	20	9.95	94	Good Condition Good Condition Good Condition	7 71.9 5 -1 7 -1		8.50 8.00 8.00			Routine Maintenance Routine Maintenance Routine Maintenance	\$738.00	\$0.75 \$0.75 \$0.75	
KRRD-0126 KRRD-0145 KRRD-0181	Elizabeth Grove East Humber Drive	Keele Street  Dennison Street	Terry View Drive McBride Crescent End (East)	King City King City King City	No No	High Class Bituminous Sen High Class Bituminous U	mi-Urban	900 8	20 19	9.87	94	Good Condition Good Condition	7 95 7 95.4	213 97	7.00 8.00	9.00	1491	Routine Maintenance Routine Maintenance	\$1,118.25	\$0.75 \$0.75	
KRRD-0201 KRRD-0207	Lake Marie Trail Findlay Avenue	Sir Henry Court Dennis Drive	Elmers Lane Burns Boulevard	King City King City King City	No No	High Class Bituminous L High Class Bituminous L	Urban Urban	519 10 264 10	20 20	9.45 9.47	94 94	Good Condition Good Condition	6 -1 5 2.2		8.00 88.00	8.50	688 28864	Routine Maintenance Routine Maintenance	\$516.00 \$21,648.00	\$0.75 \$0.75	
KRRD-0208 KRRD-0213	Dennis Drive Burns Boulevard	Findlay Avenue Robert Berry Crescent	Walkington Way Walkington Way	King City	No No	High Class Bituminous L High Class Bituminous L	Urban	290 10	18 20	9.93 9.42	94	Good Condition Good Condition	6 37.7 5 25.2	365 430	8.00 8.50	8.50	2920 3655	Routine Maintenance Routine Maintenance	\$2,741.25	\$0.75 \$0.75	
KRRD-0229 NRRD-0014 NRRD-0021	McClure Drive Ellis Avenue Parkheights Trail	Keele Street Wellington Street Parkheights Trail (Traffic Circle)	Curtis Crescent Robinson Road West Coast Trail	King City Nobleton Nobleton		High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban		20		94	Good Condition Good Condition Good Condition	5 15.5 7 105.7 7 56.3		8.00 8.50 11.00	8.50	3288 2669 1584	Routine Maintenance Routine Maintenance Routine Maintenance	\$2,466.00 \$2,001.75 \$1,188.00	\$0.75 \$0.75 \$0.75	
NRRD-0072 NRRD-0111	Ellis Avenue Parkheights Trail	Robinson Road  James Bowman Court	Faris Avenue Parkheights Trail (Traffic Circle)	Nobleton Nobleton	No No	High Class Bituminous U	Urban	1216 10	20	9.45	94	Good Condition Good Condition	7 105.7 7 56.3		8.50 11.00	8.50		Routine Maintenance Routine Maintenance	\$726.75	\$0.75 \$0.75	
NRRD-0112 NRRD-0117	Ellis Avenue Northcott Way	Wilkie Avenue Skyline Trail	End (West) New Scotland Court	Nobleton Nobleton		High Class Bituminous U High Class Bituminous U	Urban Urban	536 10	20 19	9.38	94	Good Condition Good Condition	6 48.3 6 43	59 179	8.20 8.00	8.50	484 1432	Routine Maintenance Routine Maintenance	\$363.00	\$0.75 \$0.75	
NRRD-0120 NRRD-0132	Nobleview Drive Janet Avenue	King Road Crestview Road	Hillside Drive End (Cul-de-Sac)	Nobleton Nobleton		High Class Bituminous L High Class Bituminous L	Urban Urban	256 10 128 9	20 20	9.42 9.62	94 94	Good Condition Good Condition	5 -1 4 11.1	221 311	8.50 8.50	8.50		Routine Maintenance Routine Maintenance	\$1,983.00	\$0.75 \$0.75	Structure 0023
NRRD-0173 NRRD-0182 NRRD-0183	Mahaffy Court Samson Trail	Larkin Avenue Fairmont Ridge Trail (Traffic Circle)	End (Cul-de-Sac) Bighorn Trail	Nobleton Nobleton	No No		Urban	458 10	20	9.42	94	Good Condition Good Condition Good Condition	5 -1 6 38.4	300 173	8.00 8.80 8.70	8.80	1522	Routine Maintenance Routine Maintenance Routine Maintenance	\$1,141.50	\$0.75 \$0.75	
NRRD-0103 NRRD-0207 DRRD-0011	Bighorn Trail Castle Mountain Court Dufferin Street	Coastal Trail Parkheights Trail 1.4km N. 19th Sideroad	Black Tusk Trail End (Cul-de-Sac) Davis Drive West	Nobleton Nobleton King Twp. (Rural)	No No	High Class Bituminous L High Class Bituminous L Gravel F	Urban Rural	329 9	20	9.64 9.85	94	Good Condition  Good Condition	6 -1 5 -1 6 2.5	162	7.00		2201 1134 10838	Routine Maintenance		\$0.75 \$0.75 \$45.00	
ORRD-0043 ORRD-0046	Lloydtown/Aurora Road 10th Concession	Highway 27 18th Sideroad	Rebellion Way 18th Sideroad	King Twp. (Rural) King Twp. (Rural)		High Class Bituminous F	Rural	659 10	20	9.46	94	Good Condition Good Condition	6 77.2 5 18.7		6.30	8.70	9513 462	Routine Maintenance Routine Maintenance	\$7,134.75	\$0.75 \$0.75	
ORRD-0058 ORRD-0078	Old Bathurst Street Keele Street	Bathhurst Street Davis Drive West	700m N. of Bathhurst Street 1.45km N. of Davis Drive West	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous F High Class Bituminous F	Rural	113 9	19 19	9.67	94	Good Condition Good Condition	4 13.9 8 177.6	1455	6.00 7.00		4302 10185	Routine Maintenance Routine Maintenance	\$3,226.50	\$0.75 \$0.75	
ORRD-0102 ORRD-0163	11th Concession King Street	19th Sideroad King St. Fork	Highway 9 Keele Street	King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminous F High Class Bituminous F	Rural	1104 10	19 20	9.41	94	Good Condition Good Condition	8 129.6 7 133.6	2045 1894	6.10	7.30	11553	Routine Maintenance Routine Maintenance	\$8,664.75	\$0.75 \$0.75	
SRRD-0011 SRRD-0020 SRRD-0024	Cutler Court Waterlily Trail Roselena Drive	Maynard Drive  Ben Boy Avenue  Mill Dam Court	End (Cul-de-Sac) Mapleton Mills Drive 80m E. of Mill Dam Court	Schomberg Schomberg Schomberg	No No No	High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban	329 10	19 19 20	9.38	94	Good Condition Good Condition Good Condition	4 6.2 5 28.3 7 125.2	82	8.50 8.60 8.50	8.60	705	Routine Maintenance Routine Maintenance Routine Maintenance	\$528.75	\$0.75 \$0.75 \$0.75	Structure 0315
SRRD-0024 SRRD-0035 SRRD-0040	Waterlily Trail Cooper Drive	Rose Cottage Lane Rice Drive	Ben Boy Avenue  Dr. Jones Drive	Schomberg Schomberg Schomberg	No	High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban	329 10	20 20 19	9.45	94	Good Condition Good Condition Good Condition	7 125.2 5 28.3 7 89	272	8.50 8.60 8.50	8.60	2339	Routine Maintenance Routine Maintenance Routine Maintenance	\$1,754.25	\$0.75 \$0.75	
SRRD-0042 SRRD-0046	Roselena Drive Summit Ridge Drive	Mill Dam Court  Dufferin Vista Court	Quaker House Lane Rose Cottage Lane	Schomberg Schomberg	No	High Class Bituminous L High Class Bituminous L	Urban Urban	1441 9 329 9	20 20	9.59 9.66	94 94	Good Condition Good Condition	7 125.2 5 27.9	222 245	8.50 8.70	8.50 8.70	1887 2131	Routine Maintenance Routine Maintenance	\$1,415.25 \$1,598.25	\$0.75 \$0.75	
SRRD-0050 SRRD-0061	Ben Boy Avenue Cooper Drive	Main Street Dr. Jones Drive	Dufferin Vista Court Dr. Jones Drive	Schomberg Schomberg	No No	High Class Bituminous L High Class Bituminous L	Urban Urban	329 9 1024 9	19 19	9.57	94	Good Condition Good Condition	5 -1 7 89		8.70 8.50	8.50	1070 961	Routine Maintenance Routine Maintenance	\$802.50 \$720.75	\$0.75 \$0.75	
SRRD-0071 KRRD-0014	Cooper Drive Banner Lane	Main Street Warren Road	Rice Drive Elizabeth Grove	Schomberg King City		High Class Bituminous U	Urban	532 9	19 20	9.69	95	Good Condition Good Condition	7 89 5 -1	342	8.50 8.50 8.00	8.50	2907	Routine Maintenance No Maintenance Required	\$0.00	\$0.75 \$0.00	
KRRD-0021 KRRD-0028 KRRD-0064	Cambria Place Heritage Park Valleycrest Drive	McClure Drive Keele Street Dennison Street	End (Cul-de-Sac) Hambly Avenue End (Cul-de-Sac)	King City King City King City	No	High Class Bituminous L High Class Bituminous Sen High Class Bituminous L	mi-Urban	486 10	20 20 19	9.54	95	Good Condition Good Condition Good Condition	3 -1 5 -1 3 -1	117	7.00 8.00	8.40	819	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0064 KRRD-0074 KRRD-0084	Carmichael Crescent Sculptors Gate	Curran Court Keele Street	Jenkinson Grove Chuck Ormsby Crescent	King City King City King City		High Class Bituminous L High Class Bituminous L High Class Bituminous L	Urban	699 9	19 18 20	9.78	95	Good Condition Good Condition	5 -1 5 -1		8.00 8.00 12.50		1040	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0117 KRRD-0120	Lavender Valley Road Spring Hill Drive	Spring Hill Drive Adelia Place	Basil Ridge Court Lavender Valley Road	King City King City	No No	High Class Bituminous L High Class Bituminous L	Urban Urban	827 10 290 10	20 20 20	9.59 9.50	95 95	Good Condition Good Condition	5 -1	169 311	8.50 8.50		1437 2644	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
KRRD-0123 KRRD-0137	Valley Point Crescent Charles Street	Terry View Drive Burns Boulevard	End (Cul-de-Sac) James Street	King City King City	No No	High Class Bituminous L High Class Bituminous Sen	Urban mi-Urban	215 10 346 9		9.50 9.71	95 95	Good Condition Good Condition	4 -1 4 -1	133 122	8.00 9.00		1064	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
KRRD-0144 KRRD-0186	Tawes Trail Winter Road	Jenkinson Grove Collard Drive	End (West) End (Cul-de-Sac)	King City King City	No No	High Class Bituminous L High Class Bituminous Sen	Urban mi-Urban	43 9 86 8	19 20			Good Condition Good Condition	3 -1	18 198	8.00 6.40	9.80	144 1267	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	Structure 0219 & 0317

Appendix E - Road Improvement Needs (Sorted by PCI)

Append	IX E - Road Improvemen	nt Needs (Sorted by PCI)																				
Municipal ID	Name	Name From	Name To	Community	Boundary Road	Surface Material	Roadside Environment	AADT	Ride Comfort Rating (RCR) Structural Adequacy (1-	DMI	PC	PCI Class	Priority Rating (PR)	Priority Guide Number (PGN)	Road Lengti (m)	h Road Width (m)	Platform Width (m)	Surface Area (m²)	Proposed Lifecycle Improvement	Improvement Cost	Benchmark Cost (\$/m²)	OSIM Culverts/Bridges
KRRD-0202 KRRD-0223.2	Lake Marie Trail Collard Drive	15th Sideroad 175m N. of Winter Road	Sir Henry Court Burns Boulevard	King City King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	519 102	10 20 9 20	9.50	95 95	Good Condition Good Condition	5	-1	73 186	6.70 8.50	8.50	489 1581	No Maintenance Require		\$0.00 \$0.00	
KRRD-0236 KRRD-0242	Langdon Drive Banner Lane	Walkington Way 30m S. of King Road	180m N. of Walkington Way 330m S. of King Road	King City King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	278 592	10 20 8 20	10.00	95	Good Condition Good Condition	4 5	-1	177 300	8.50 8.00	8.50 10.50	1505 2400	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	Structure 0221
NRRD-0023 NRRD-0031.1	Black Duck Trail Wellington Street	Black Duck Trail (Traffic Circle) 80m S. of Faris Avenue	Paradise Valley Trail Ellis Avenue	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban	329 253	9 20 10 20	9.58	95	Good Condition Good Condition Good Condition	4	-1	181 107	8.70 8.00	8.70 8.50	856	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	Structure 0217
NRRD-0069 NRRD-0091 NRRD-0100	Henry Gate Skyline Trail Bluff Trail	King Road Parkheights Trail (Traffic Circle) Parkheights Trail (Traffic Circle)	Ellis Avenue Bluff Trail (Traffic Circle) Cape George Trail	Nobleton Nobleton Nobleton		High Class Bituminou High Class Bituminou High Class Bituminou	Urban	562 466 361	10 20 10 20	9.50	95	Good Condition Good Condition Good Condition	5	-1	115 269 100	8.50 8.00 8.00	8.50 8.60 8.70		No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0014
NRRD-0109 NRRD-0160	Cape George Trail Fairmont Ridge Trail	Bluff Trail Bighorn Trail	Bluff Trail Fairmont Ridge Trail (Traffic Circle)	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	361 1837	9 20 10 20	9.71 9.57	95 95	Good Condition Good Condition	4 7	-1	227 81	8.00 8.70	8.70 8.70	1816 705	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0309 & 0310
NRRD-0181 NRRD-0210	Fairmont Ridge Trail Parkheights Trail	Kettle Valley Trail Castle Mountain Court	Highway 27 Black Duck Trail	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	1876 838	10 20	9.53	95	Good Condition Good Condition	7 5	-1 -1	303 49	8.50 11.70	11.70	573	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
NRRD-0212 NRRD-0215 ORRD-0014	Oliver Emmerson Avenue Oliver Emmerson Avenue Keele Street	Munsie Drive Highway 27 Kettleby Road	Larkin Avenue Munsie Drive	Nobleton Nobleton	No	High Class Bituminou	Urban	302 302 2368	10 20 9 19 9 20	9.71	95	Good Condition Good Condition Good Condition	4	-1	179 130 831	11.00 11.00 6.10	7.00	1430	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
ORRD-0034 ORRD-0038	11th Concession South Canal Bank Road	15th Sideroad Wist Road	19th Sideroad 240m N. of 15th Sideroad Jane Street	King Twp. (Rural King Twp. (Rural King Twp. (Rural	I) No	High Class Bituminou High Class Bituminou High Class Bituminou	Rural	402 155	9 20 10 19 10 20	9.57	95	Good Condition Good Condition	5	-1	235	6.50 5.70	10.30 6.70	1528	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0204
ORRD-0063 ORRD-0064	18th Sideroad Old Bathurst Street	7th Concession 700m N. of Bathhurst Street	8th Concession 19th Sideroad	King Twp. (Rural	I) No	High Class Bituminou High Class Bituminou	Rural Rural	152 113	10 20 9 19	9.50 9.78	95 95	Good Condition Good Condition	4	-1 -1	2029 429	6.00	10.40 9.60	12174 2574	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0215 & 0313
ORRD-0111.1 ORRD-0137	Glenville Road 19th Sideroad	Davis Drive West 10th Concession	140m N. of Davis Drive West 11th Concession	King Twp. (Rural King Twp. (Rural King Twp. (Rural	I) No	High Class Bituminou High Class Bituminou	Rural	85 1350	9 18 10 20	9.55	95	Good Condition Good Condition	3 6	-1 -1	142 2049	5.70 6.00	6.70 8.00	12294	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
ORRD-0175 ORRD-0205 ORRD-0214	Mill Road Leonard Road Keele Street	King - Vaughn Boundary Highway 9 1.45km N. of Davis Drive West	Elmpine Trail King - Simcoe County Boundary	King Twp. (Rural King Twp. (Rural King Twp. (Rural	I) No	Gravel High Class Bituminou High Class Bituminou	Rural	566 244 1683	10 20 10 20	9.50	95	Good Condition Good Condition Good Condition	4	3.2 -1	422 491 520	7.20 7.00	7.30 8.80		Resurface No Maintenance Require No Maintenance Require		\$45.00 \$0.00	
ORRD-0235 SRRD-0001	Fairfield Drive Rose Cottage Lane	Norcliffe Drive Waterilly Trail	Woodchoppers Lane  Dufferin Street  Summit Ridge Drive	King Twp. (Rural Schomberg	I) No	High Class Bituminou High Class Bituminou	Urban	555 841	9 20	9.74	95	Good Condition	5	-1	345 134	8.00 8.60	8.50 8.60	2760	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
SRRD-0007 SRRD-0010	Roselena Drive Dufferin Vista Court	Moore Park Drive Summit Ridge Drive	McGuire Court End (Cul-de-Sac)	Schomberg Schomberg	No No	High Class Bituminou High Class Bituminou	Urban Urban	1441 329	9 19 9 19	9.78	95 95	Good Condition Good Condition	6	-1	150 43	8.50 8.70	8.50	1275 374	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0301
SRRD-0026 SRRD-0044	Marchant Circle  Dufferin Vista Court	Dr. Jones Drive Summit Ridge Drive	End (Cul-de-Sac) Ben Boy Avenue	Schomberg Schomberg	No No	High Class Bituminou High Class Bituminou	Urban	158 329	9 19 9 20	9.71	95	Good Condition Good Condition	4	-1	84 84	8.50 8.70	8.50 8.70	731	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	Structure 0326
SRRD-0059 KRRD-0020 KRRD-0033	Ben Boy Avenue Kingscross Drive East Humber Drive	Dufferin Vista Court McKellar Lane Humber Valley Crescent	Rose Cottage Lane Lockhart Lane Dennison Street	Schomberg King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	398 1303 1033	9 19 9 18 9 19	9.90	96	Good Condition Good Condition Good Condition	5	-1	248 143 82	8.70 6.70 8.00	8.70 9.70 8.50	958	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0033 KRRD-0050	Gillham Circle Patton Street	McClure Drive Kingslynn Drive	End (Cul-de-Sac) Warren Road	King City King City		High Class Bituminou High Class Bituminou		58 997	9 20	9.86	96	Good Condition Good Condition	3 5	-1 -1	68 104	8.00 7.00	8.50 9.70		No Maintenance Require No Maintenance Require		\$0.00 \$0.00	
KRRD-0057 KRRD-0069	Banner Lane Hollingsworth Drive Norman Drive	Kingslynn Drive Patton Street	Warren Road Kingslynn Drive Martin Street	King City King City	No	High Class Bituminou High Class Bituminou	Semi-Urban	555 160	9 19 9 20	9.90 9.87	96 96	Good Condition Good Condition	4 3	-1 -1	107 277	8.00 6.20	9.80	1717	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
KRRD-0076 KRRD-0112 KRRD-0163	Norman Drive Di Nardo Court Aukland Lane	Hambly Avenue  Carmichael Crescent  Britnell Court	Martin Street End (Cul-de-Sac) End (Cul-de-Sac)	King City King City	No No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban Urban	403 100 171	9 20 9 18	9.81	96	Good Condition Good Condition Good Condition	3	-1	413 300 246	8.50 8.00 8.00	8.50 8.50 8.50	2400	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0168 KRRD-0198	East Humber Drive Lilly Valley Crescent	Keele Street Nicort Road	Humber Valley Crescent Nicort Road	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	1/1 1033 827	9 20 9 20 10 20	9.87	96	Good Condition Good Condition Good Condition	5 4	-1	244 434	8.00 8.00	8.50 8.50	1952	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0212
KRRD-0212 KRRD-0240	Hogan Court Hambly Avenue	Langdon Drive Humber Crescent	End (Cul-de-Sac) 30m N. of Humber Crescent	King City King City	No	High Class Bituminou High Class Bituminou	Urban	329 300	10 20 9 20	9.69	96	Good Condition Good Condition	4 3	-1	552 49	8.50 7.00	8.40	4692 343	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0209
LRRD-0004 NRRD-0025	Rebellion Way Wedgeport Court	Lloydtown/Aurora Road Black Duck Trail	Church Street End (Cul-de-Sac)	King Twp. (Rural Nobleton	I) No	High Class Bituminous High Class Bituminous	Semi-Urban Urban	632 458	10 20 9 20	9.88	96	Good Condition Good Condition	4	-1	186 263	6.70 8.70	12.70 8.70	2288	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
NRRD-0031.2 NRRD-0033	Wellington Street Nobleview Drive	Faris Avenue Simon Henry Avenue	80m S. of Faris Avenue End (North)	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	253 256		9.64	96	Good Condition Good Condition	3	-1	81 62	6.90 8.50 6.40	7.90	527	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	Structure 0018
NRRD-0036 NRRD-0054 NRRD-0063	Crestview Road Hawman Avenue Wellington Street	Janet Avenue Henley Drive King Road	End (South) Hazelbury Drive Faris Avenue	Nobleton Nobleton Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	312 760 253	10 20 10 19 10 20	9.69	96	Good Condition Good Condition Good Condition	4 3	-1	156 94 147	6.40 6.30 7.00	9.50 7.90	592	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0303
NRRD-0082 NRRD-0087	Skyline Trail Northcott Way	Piper Court Kaake Road	Greenlaw Lane Westbrooke Boulevard	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	466 466	9 20 9 19	9.81	96	Good Condition Good Condition	4	-1	56 95	8.00 8.00	8.70 8.50	448 760	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0306
NRRD-0088 NRRD-0092 Si	Greenlaw Lane kyline Trail / Bluff Trail / Hill farm Road (Traffic Circ	Skyline Trail de) Skyline Trail	Westbrooke Boulevard Skyline Trail	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban	361 361	10 19 9 19	9.88	96	Good Condition Good Condition	4	-1	161 99	8.00 6.70		663	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	Structure 0222, 0323 & 0335
NRRD-0094 NRRD-0099	Bluff Trail Bluff Trail Bluff Trail	Chapel Gully Trail Cape George Trail	Chapel Gully Trail Blue Beech Trail Bluff Trail (Traffic Circle)	Nobleton Nobleton Nobleton		High Class Bituminour High Class Bituminour	Urban	361	9 20	9.64	96	Good Condition Good Condition Good Condition	4	-1	193 81 161	8.00 8.00 8.00	8.70 8.70	648	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00	
NRRD-0102 NRRD-0106 NRRD-0107	Bluff Trail Westbrooke Boulevard	Cape George Trail Chapel Gully Trail Greenlaw Lane	Blue Beech Trail Skyline Trail	Nobleton Nobleton		High Class Bituminou High Class Bituminou High Class Bituminou	Urban	361 361 466	9 19 9 19 9 19	9.89	96	Good Condition Good Condition	4 4	-1	84 289	8.70 8.00	8.70 8.70 8.50	731	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0004,0005,0006,0007 & 210
NRRD-0115 NRRD-0118	Skyline Trail Crestview Road	Aspen King Court Parkview Drive	Westbrooke Boulevard Janet Avenue	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban Semi-Urban	466 312	10 20 10 20	9.60	96 96	Good Condition Good Condition	4	-1 -1	118 86	8.00 6.40	8.70 8.40	944 550	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0307
NRRD-0149 NRRD-0151	Westbrooke Boulevard Wilkie Avenue	Northcott Way Ellis Avenue	Greenlaw Lane Robinson Road	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	466 302	10 20 10 20	9.64	96	Good Condition Good Condition	3	-1	147 216	8.00 8.50	8.50 8.50	1836		d \$0.00	\$0.00 \$0.00	
NRRD-0161 NRRD-0169 NRRD-0171	Larkin Avenue Samson Trail Munsie Drive	Mahaffy Court Parkheights Trail (Traffic Circle) Oliver Emmerson Avenue	Starrett Street Fairmont Ridge Trail (Traffic Circle) Mary Agar Court	Nobleton Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	302 458 273	10 20 10 20	9.69	96	Good Condition Good Condition Good Condition	4 3	-1	159 164 387	8.50 8.80 8.50	8.80	1443	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
NRRD-0201 NRRD-0202	Mary Agar Court Ballard Drive	Munsie Drive Oliver Emmerson Avenue	End (Cul-de-Sac) Wilkie Avenue	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	160 302	10 20 10 20	9.70 9.64	96 96	Good Condition Good Condition	3 3	-1	161 273	8.00 8.50		1288 2321	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	
NRRD-0208 NRRD-0213	Parkheights Trail Oliver Emmerson Avenue	West Coast Trail Larkin Avenue	Anderson Cove Trail Ballard Drive	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	838 302	10 20 10 20	9.67	96	Good Condition Good Condition	3	-1 -1	100 280	11.70 8.50	11.70	2380	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	Structure 0003
NRRD-0244 ORRD-0016	Faris Avenue 17th Sideroad Albion Vaunhan Road	20m W. of Wellington Street Weston Road Queensgate Blvd.	Kinsley St. End (East) 340m N. of Queensgate Blvd.	Nobleton King Twp. (Rural King Twp. (Rural		High Class Bituminou Gravel High Class Bituminou	Semi-Urban Rural Semi-Urban	260 194 10467	10 20 10 20	9.83	96	Good Condition Good Condition Good Condition	3	19.4	187 946 336	6.20 5.70 7.00	8.20 6.70	6338	No Maintenance Require Routine Maintenance No Maintenance Require	\$253,520.00	\$0.00 \$40.00	
ORRD-0040.1 ORRD-0042	Albion Vaughan Road  Davis Road  10th Concession	South Canal Bank Road 17th Sideroad	160m N. of South Canal Bank Road 18th Sideroad	King Twp. (Rural King Twp. (Rural	I) No	High Class Bituminou High Class Bituminou	Rural	437	10 20 10 20	9.64	96	Good Condition Good Condition	4 3	-1	160 1802	6.00	7.90 7.90	960	No Maintenance Require	d \$0.00	\$0.00 \$0.00	
ORRD-0101 ORRD-0110	11th Concession 16th Sideroad	240m N. of 15th Sideroad 10th Concession	16th Sideroad 11th Concession	King Twp. (Rural King Twp. (Rural	I) No	High Class Bituminou High Class Bituminou	Rural Rural	402 515	10 20 10 20	9.64 9.70	96 96	Good Condition Good Condition	4	-1	1801 2048	6.50 7.40	10.30 9.40	15155		d \$0.00	\$0.00 \$0.00	Structure 0013
ORRD-0187 SRRD-0005	10th Concession Ben Boy Avenue	2.06km N. of 16th Sideroad Rose Cottage Lane	17th Sideroad Waterlily Trail	King Twp. (Rural Schomberg	No No No	High Class Bituminou High Class Bituminou	Urban	171 398 456	10 20 10 20	9.66	96	Good Condition Good Condition	3 4 4	-1	338 83 99	5.70 8.70	6.70 8.70 8.50	722	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
SRRD-0038 SRRD-0068 SRRD-0069	Dr. Jones Drive Rose Cottage Lane Rose Cottage Lane	Marchant Circle Summit Ridge Drive Dr. Kay Drive	Willard Hunt Court Ben Boy Avenue Waterlily Trail	Schomberg Schomberg Schomberg	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	841 841	9 19 10 20	9.88	96	Good Condition Good Condition Good Condition	4	-1	87 140	8.50 8.60 8.60	8.60 8.60	748	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0216 & 0312
ARRD-0001 ARRD-0002	Dufferin Street Dufferin Street	King Street Bernhardt Road	Bernhardt Road Emma Road	Ansnorvelt Ansnorvelt	No No	High Class Bituminou High Class Bituminou	Semi-Urban Semi-Urban	2147 2147	9 20 9 20	10.00	97	Good Condition Good Condition	4	-1 -1	408 611	6.70 6.70	8.50 8.50	2734 4094	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0333
ARRD-0004 KRRD-0010	Dufferin Street West Street	Emma Road Station Road	Wilhelmena Road Fourth Street	Ansnorvelt King City	No	High Class Bituminou High Class Bituminou	Urban	2147 72	9 20 9 20	9.93	97	Good Condition Good Condition	2	-1	399 70	6.70	8.50	420	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
KRRD-0016 KRRD-0017 KRRD-0019	Tatton Court John Street Tatton Court	Dufferin Street James Street Stan Roots Street	155m W. of Dufferin Street Melrose Avenue End (Cul-de-Sac)	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	346 192 346	9 20 9 19 9 20	9.95	97	Good Condition Good Condition Good Condition	2	-1	158 110 172	7.00 8.00	8.50	770	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0211 Structure 0321 & 0322
KRRD-0023 KRRD-0024	Banner Lane Tatton Court	330m S. of King Road Sunbloom Street	Bennet Drive Wells Orchard Crescent	King City King City	No No	High Class Bituminou High Class Bituminou	Rural Urban	555 346	9 19 9 20	9.95	97	Good Condition Good Condition	3	-1	31 53	7.80 8.00	9.90	242 424	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	
KRRD-0029 KRRD-0038	McBride Crescent Doctors Lane	Patricia Drive King Road	Burton Grove End (South)	King City King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	375 340	9 20	9.93	97 97	Good Condition Good Condition	3	-1	132 167	8.30 12.80	8.50 12.80	1096 2138	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	
KRRD-0041 KRRD-0042 KRRD-0046	Fourth Street McBride Crescent Banner Lane	West Street Elizabeth Grove Bennet Drive	End (East) Clearview Heights Kingstyng Drive	King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	72 375 555	9 20 9 20 10 18	9.98	97	Good Condition Good Condition Good Condition	3 3	-1 -1	28 99 104	7.00 7.20	8.50 9.40	693	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0049 KRRD-0062	Hambly Avenue McClure Drive	Humber Crescent Gillham Circle	Kingslynn Drive Heritage Park Pellatt Grove	King City King City King City	No No	High Class Bituminou High Class Bituminou	Semi-Urban Urban	300 168		9.93	97	Good Condition Good Condition Good Condition	3 2	-1	55 86	7.20 7.00 8.50	8.40 8.50	385 731	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	
KRRD-0070 KRRD-0071	McBride Crescent Hambly Avenue	Clearview Heights 30m N. of Humber Crescent	Patricia Drive Martin Street	King City King City	No No	High Class Bituminou High Class Bituminou	Semi-Urban Urban	375 283	9 20 9 20	9.93	97 97	Good Condition Good Condition	3	-1 -1	100 47	7.00 8.00	8.50	700 376	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	
KRRD-0085 KRRD-0092	Hambly Avenue  Norman Drive  Austin Rumble Court	Martin Street George Armstrong Lane	80m N. of Martin Street Hambly Avenue	King City King City	No	High Class Bituminous High Class Bituminous	Urban	283 403	9 20	9.93 9.93 9.76	97	Good Condition Good Condition	3	-1	76 105	8.00 8.00	8.50	840	No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00	
KRRD-0097 KRRD-0115 KRRD-0118	Hambly Avenue Lavender Valley Road	Richard Serra Court Heritage Park Ria Court	End (Cul-de-Sac) Humber Crescent Warren Road	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	300 827	9 20 9 20	9.93	97	Good Condition Good Condition Good Condition	3	-1	751 44 308	7.00 8.00	8.40	308	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0119 KRRD-0124	Basil Ridge Court Terry View Drive	Lavender Valley Road Valley Point Crescent	End (Cul-de-Sac) End (South)	King City King City	No	High Class Bituminou High Class Bituminou	Urban	243 423	10 20 9 20	9.71	97	Good Condition Good Condition	2	-1	67 25	8.00 8.00		536 200	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0001
KRRD-0133 KRRD-0146	Ron Coles Lane Langdon Drive	Chuck Ormsby Crescent 180m N. of Walkington Way	Chuck Ormsby Crescent John Tanner Court	King City King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	160 278	10 20 10 20	9.78 9.78	97 97	Good Condition Good Condition	2	-1	157 90	8.00 8.00		1256 720	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0214
KRRD-0147 KRRD-0151 KRRD-0152	John Tanner Court  James Stokes Court  James Stokes Court	Langdon Drive Kinghorn Road Raymond Love Court	End (Cul-de-Sac) Peter Glass Road Kinghorn Road	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	278 179 179	9 20	10.00	97	Good Condition Good Condition Good Condition	2 2	-1 -1 -1	43 225 104	8.00 8.00 8.00		1800	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0320
KRRD-0153 KRRD-0154	Peter Glass Road James Stokes Court	Kaymond Love Court  King Road  Peter Glass Road	Kinghorn Road  James Stokes Court  End (East)	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	341 179	9 20	10.00	97	Good Condition Good Condition Good Condition	2 3 2	-1	104 203 49	8.00 8.00		1624	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	
KRRD-0155 KRRD-0156	Kinghorn Road James Stokes Court	King Road Peter Glass Road	James Stokes Court Raymond Love Court	King City King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	346 179	9 20	10.00	97	Good Condition Good Condition	3 2	-1	169 111	8.00 8.00		1352 888	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	
KRRD-0157 KRRD-0160	Raymond Love Court Ria Court	James Stokes Court Spring Hill Drive	End (Cul-de-Sac) End (Cul-de-Sac)	King City King City	No	High Class Bituminou High Class Bituminou	Urban Urban	341 827	9 20 9 20	10.00	97	Good Condition Good Condition	3	-1	146 124	8.00		1168 992	No Maintenance Require No Maintenance Require	d \$0.00 d \$0.00	\$0.00 \$0.00	Structure 0304 Structure 0205, 0206, 0207 & 0208
KRRD-0165 KRRD-0166 KRRD-0169	Britnell Court Great Heron Court Tatton Court	Aukland Lane King Boulevard Claudview Street	End (Cul-de-Sac) End (Cul-de-Sac) Stan Roots Street	King City King City King City	No No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	171 58 346	9 20	10.00	97	Good Condition Good Condition Good Condition	2 2 3	-1	166 150 85	8.00 8.00 8.00		1200	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00	\$0.00 \$0.00 \$0.00	Structure 0311
KRRD-0170 KRRD-0171	Sim Hill Crescent Stan Roots Street	Stan Roots Street King Road	Stan Roots Street Stan Roots Street Sim Hill Crescent	King City King City	No	High Class Bituminou High Class Bituminou	Urban	423	9 20 9 20 9 20	10.00	97	Good Condition Good Condition	3	-1	277	8.00 8.00		2216	No Maintenance Require No Maintenance Require No Maintenance Require	d \$0.00		
	Oliver	y ross	a III Groupoin	ng uny					1 20	10.00	, 31	, onional				3.00			unoc recquire	30.00		

Appendix E - Road Improvement Needs (Sorted by PCI)

Appen	dix E - Road Improvement	Needs (Sorted by PCI)																				
Municipal ID	Name	Name From	Name To	Community	Boundary Road	Surface Material	Roadside Environment	AADT	Ride Comfort Rating (RCR) Structura Adequacy	al (1- D	мі	PCI PCI Class	Priority Rating (Pi	Priority Guide Number (PGN	Road Leng	th Road Width (m)	Platform Width (m)	Surface Area (m²)	Proposed Lifecycle Improvement	Improvement Cost	Benchmark Cost (\$/m²)	OSIM Culverts/Bridges
KRRD-0172 KRRD-0173	Stan Roots Street Stan Roots Street	Sim Hill Crescent Sim Hill Crescent	Sim Hill Crescent Tatton Court	King City King City		High Class Bituminou		290 290	9 20 9 20		0.00	97 Good Condit 97 Good Condit		-1	115 88	8.00 8.00		920 704	No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
KRRD-0174 KRRD-0175	Wells Orchard Crescent Wells Orchard Crescent	Claudview Street Sim Hill Crescent	Tatton Court Claudview Street	King City King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	423 423	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	-1	264 101	8.00 8.00		2112 808	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	Structure 0318 & 0319
KRRD-0176 KRRD-0178	Claudview Street Tatton Court	Wells Orchard Crescent Wells Orchard Crescent	Tatton Court Claudview Street	King City King City King City	No	High Class Bituminou High Class Bituminou	Urban	423 346	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	- 4	187 89	8.00 8.00		1496 712	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
KRRD-0187 KRRD-0192	Carmichael Crescent Cairns Gate	Di Nardo Court 15th Sideroad	Keele Street Geliatly Court	King City	No No	High Class Bituminou High Class Bituminou	Urban Urban	742 519	9 18 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	-1	569 183	8.00 8.20	8.50	1501	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0305
KRRD-0197 KRRD-0209	Nicort Road Tiero Court	Dufferin Street Langdon Drive	Lilly Valley Crescent End (Cul-de-Sac)	King City King City	No	High Class Bituminou High Class Bituminou	Urban	934 72	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	-1	83 41	8.00 8.00		328	No Maintenance Required No Maintenance Required		\$0.00 \$0.00	
KRRD-0210 KRRD-0215	Bri Way Robert Berry Crescent	Robert Berry Crescent Burns Boulevard	Burns Boulevard 100m E. of Burns Boulevard	King City King City	No	High Class Bituminou High Class Bituminou	Urban	290 290	9 20 9 20	10	0.00	97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit	on 3	-1	89 97	8.00 8.00		776	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
KRRD-0216 KRRD-0218 KRRD-0219	Robert Berry Crescent Robert Berry Crescent Langdon Drive	Bri Way Bri Way John Tanner Court	710m to Robert Berry Crescent Intersection 210m S. of Bri Way Tiero Court	King City King City King City	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	290 290 278	9 20	10	0.00	97 Good Condit 97 Good Condit 97 Good Condit	on 3	-1	708 208 143	8.00 8.00 8.00		1664 1144	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	Structure 0019
KRRD-0221 KRRD-0224	Langdon Drive King Boulevard	Hogan Court Great Heron Court	Burns Boulevard Dew Street	King City King City	No	High Class Bituminou High Class Bituminou	Urban	278 423	10 20	9	.78	97 Good Condit 97 Good Condit	on 3	- 4	67	8.00	9.00	536	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Suddate 0018
KRRD-0225 KRRD-0228	Collard Drive Collard Drive	Scott Crescent Jane Street	Winter Road Scott Crescent	King City King City	No	High Class Bituminou High Class Bituminou	Semi-Urban	102	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	-1	245 449	6.40 6.40	9.80 9.80	1568	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0302
KRRD-0233 KRRD-0239	Tatton Court Banner Lane	155m W. of Dufferin Street King Road	Sunbloom Street 30m S. of King Road	King City King City	No	High Class Bituminou High Class Bituminou	Urban	346 1403	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	-1	57 27	8.50 8.00	8.50	485 216	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
KRRD-0243 LRRD-0001	Hambly Avenue Centre Street	80m N. of Martin Street Rebellion Way	Norman Drive End (West)	King City Lloydtown	No No	High Class Bituminou High Class Bituminou	Urban Urban	300 23	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3 on 2	-1	17 211	8.00 5.00	8.50 6.20	136 1055	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
LRRD-0002 LRRD-0003	Rebellion Way Rebellion Way	Centre Street Church Street	Queen Street Little Rebel Road	Lloydtown Lloydtown	No	High Class Bituminou High Class Bituminou	Semi-Urban	31 139	9 20 10 19	9	.77	97 Good Condit 97 Good Condit	on 2	- 4	80 133	6.50 6.70	10.10 12.70	891	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
LRRD-0006 LRRD-0008	Rebellion Way Queen Street	Queen Street Rebellion Way	End (North)  10th Concession	Lloydtown Lloydtown	No	High Class Bituminou High Class Bituminou	Semi-Urban	22	9 20 9 20	10	00.0	97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit	nn 2	-1	102 247	4.50 5.00	5.50 7.10 6.60	1235	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0327
LRRD-0009 LRRD-0010 NRRD-0004	Centre Street Victoria Street Chinook Drive	Church Street Queen Street Hawman Avenue	Rebellion Way End East Hawman Avenue	Lloydtown Lloydtown Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	53 81 94	9 20	10	0.00	97 Good Condit 97 Good Condit 97 Good Condit	on 2	-1	351 133 132	5.20 4.50 6.30	5.50 8.70	599	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
NRRD-0005 NRRD-0006	Wilkie Avenue Russell Snider Drive	Robinson Road Kehoe Court	Ballard Drive 55m N. of Kehoe Court	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	302 387	10 20	9	.71	97 Good Condit 97 Good Condit	on 3	- 4	299 55	8.50 8.50	8.50	2542	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0007 NRRD-0010	Parkview Drive Hillside Drive	Ellis Avenue Nobleview Drive	Crestview Road End (West)	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Semi-Urban	423	9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	-1	104	6.40 8.50	8.40 8.50	666	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0011 NRRD-0012	Hillside Drive Hillside Drive	Midway Cedarwood Crescent	Nobleview Drive Midway	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	70 70	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	-1	131 208	8.50 8.50	8.50 8.50	1114 1768	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	Structure 0325
NRRD-0016 NRRD-0018	Midway Fairmont Ridge Trail	Hillside Drive Black Duck Trail (Traffic Circle)	End (Cul-de-Sac) Anderson Cove Trail	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	32 1837	9 20 10 20	9	.71	97 Good Condit 97 Good Condit	on 4	-1	196 69	8.50 8.70	8.50 8.70	600	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0324
NRRD-0019 NRRD-0020	Anderson Cove Trail Paradise Valley Trail	Fairmont Ridge Trail Anderson Cove Trail	Paradise Valley Trail Black Duck Trail	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	458 458	9 20 9 20	9	.93	97 Good Condit 97 Good Condit	on 3	-1	182 79	8.70 8.70	8.70 8.70	687	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	·
NRRD-0022 NRRD-0024	Hawman Avenue West Coast Trail	Chinook Drive Fairmont Ridge Trail	Chinook Drive Paradise Valley Trail	Nobleton Nobleton	No	High Class Bituminou	Semi-Urban Urban	760 838	10 20 9 20	9	.93	97 Good Condit 97 Good Condit	on 3	-1	12 198	6.30 8.70	9.50	76 1723	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0011
NRRD-0026 NRRD-0029 NRRD-0034	Anderson Cove Trail Hawman Avenue O'Neill Court	Parkheights Trail Chinook Drive Russell Snider Drive	Fairmont Ridge Trail Chinook Drive End (Cul-de-Sac)	Nobleton Nobleton Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	458 222 86	9 20 9 20	9	.93	97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit	on 2	-1 -1 -1	293 280 183	8.70 6.10 8.50	8.70 8.50 8.50	1708	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
NRRD-0035 NRRD-0040	Cedarwood Crescent Russell Snider Drive	Hillside Drive O'Neill Court	Sunset Drive Kehoe Court	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	589 199	9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	- 4	65 129	8.50 8.50	8.50	553	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
NRRD-0043 NRRD-0046	Nobleview Drive Chinook Drive	Hillside Drive Hawman Avenue	Simon Henry Avenue End (North)	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Urban	256 94		10	0.00	97 Good Condit 97 Good Condit	on 2	- 4	139	8.50 6.30	8.70	1182	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0047 NRRD-0048	Robinson Road Kehoe Court	Ellis Avenue Russell Snider Drive	Wilkie Avenue End (Cul-de-Sac)	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	603 86	10 20 9 20	9	.72	97 Good Condit 97 Good Condit	on 3	- 4	540 185	8.50 8.50	8.50 8.50	4590	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0308
NRRD-0050 NRRD-0057	Hawman Avenue Wilsen Road	Hazelbury Drive Henley Drive	Chinook Drive Hazelbury Drive	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Semi-Urban Urban	760 450	10 20 10 20	9	.71 .78	97 Good Condit 97 Good Condit	on 3	-1	96 94	6.30 8.50	9.50 8.50	605 799	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
NRRD-0058 NRRD-0061	Russell Snider Drive Cedarwood Crescent	Sunset Drive Simon Henry Avenue	Sheardown Drive End (North)	Nobleton Nobleton		High Class Bituminou High Class Bituminou		225 220	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	- 4	226 64	8.50 8.50	8.50 8.50	544	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0062 NRRD-0070	Starrett Street Cedarwood Crescent	Larkin Avenue Sunset Drive	Mary Agar Court Simon Henry Avenue	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	302 589	10 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	-1 -1	110 63	8.50 8.50		536	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0071 NRRD-0074	Chinook Drive Ellis Avenue	King Road Faris Avenue	Hawman Avenue Henry Gate	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	774 1216		10	0.00	97 Good Condit 97 Good Condit	on 4	-1	115 124	6.30 8.50	8.70 8.50	1054	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0076.1 NRRD-0076.2 NRRD-0077	Faris Avenue Faris Avenue Sunset Drive	135m W. of Kinsley Street Kinsley Street Russell Snider Drive	Ellis Avenue 135m W. of Kinsley Street Cedarwood Crescent	Nobleton Nobleton Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	Semi-Urban	184 245 191	9 20 10 20 9 20	9	.78	97 Good Condit 97 Good Condit 97 Good Condit	on 2	-1	95 136 125	7.00 8.50	9.00 8.50	952	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	Structure 0314
NRRD-0083 NRRD-0084	Skyline Trail Russell Snider Drive	Greenlaw Lane Broad Way	Northcott Way Sunset Drive	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	466 225	10 19 9 20	9	.71	97 Good Condit 97 Good Condit	on 3	-1	141	8.00 8.50	8.70 8.50	1128	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0093 NRRD-0096	Tidnish Court Blue Beech Trail	Aspen King Court Bluff Trail	End (Cul-de-Sac) Bluff Trail	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	466 361	10 20 10 20	9	.76	97 Good Condit 97 Good Condit	on 3	-1	124 177	8.00 8.00	8.70 8.70	992	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0316
NRRD-0097 NRRD-0098	Bluff Trail Simon Henry Avenue	Blue Beech Trail Cedarwood Crescent	Cape George Trail Nobleview Drive	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	361 61	9 19 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	-1	80 336	8.00 8.50	8.70 8.50	640 2856	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
NRRD-0114 NRRD-0119	Bluff Trail Parkview Drive	Blue Beech Trail Crestview Road	Chapel Gully Trail End (East)	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Semi-Urban	361 423	9 19 9 20	10	.93	97 Good Condit 97 Good Condit	on 3	-1 -1	78 40	8.00 6.40	8.70 8.40	624 256	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0125 NRRD-0128	Ellis Avenue Hawman Avenue	Henry Gate End (Cul-de-Sac)	Wilkie Avenue Henley Drive	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Semi-Urban	536 760	10 20 10 20	9	.71	97 Good Condit 97 Good Condit	on 3	-1	286 79 117	8.00 6.30	8.50 9.50	498	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
NRRD-0129 NRRD-0130	Cedarwood Crescent Russell Snider Drive Ellis Avenue	Hillside Drive 40m N. of Sheardown Drive	End (Cul-de-Sac) O'Neill Court	Nobleton Nobleton Nobleton	No	High Class Bituminour High Class Bituminour	Urban	589 199 1076	9 20	10	0.00	97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit	on 2	-1	11/ 101 154	8.50 8.50 8.50	8.50 8.50	859	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0010
NRRD-0144 NRRD-0145	Black Duck Trail Black Duck Trail	Highway 27 Parkheights Trail Thomas Noble Court	Wellington Street Thomas Noble Court Black Duck Trail (Traffic Circle)	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	329	9 20	9	.93	97 Good Condit 97 Good Condit	on 3	- 4	99	8.70	8.70 8.70	861	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0158 NRRD-0159	West Coast Trail Black Tusk Trail	Black Tusk Trail West Coast Trail	Fairmont Ridge Trail  Bighorn Trail	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban	329 838 458	10 20 10 20	9	.71	97 Good Condit 97 Good Condit	on 3	4	181 235	8.70 8.70 8.70	0.70	1575	No Maintenance Required No Maintenance Required		\$0.00 \$0.00	
NRRD-0162 NRRD-0163	Larkin Avenue Larkin Avenue	Ballard Drive Starrett Street	Wilkie Avenue Ballard Drive	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	302 302	10 20 10 20	9	.81	97 Good Condit 97 Good Condit	on 3	-1	209 115	8.50 8.50		978	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0170 NRRD-0172	Albert Hill Court Wilkie Avenue	Macmurchy Avenue Larkin Avenue	End (Cul-de-Sac) Albert Hill Court	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	160 302	10 20 10 20	9	.81	97 Good Condit 97 Good Condit	on 3	-1	159 102	8.50 8.50	8.50	867	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0174 NRRD-0175	Fairmont Ridge Trail Paradise Valley Trail	Blueberry Run Trail Fairmont Ridge Trail	Kettle Valley Trail Coppermine Court	Nobleton Nobleton		High Class Bituminou High Class Bituminou	Urban	1876 458 458	10 20 10 20	9	71	97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit		-1	79 111 156	8.50 8.50			No Maintenance Required No Maintenance Required		\$0.00 \$0.00	
NRRD-0178 NRRD-0180	Coppermine Court Parkheights Trail Blueberry Run Trail	Paradise Valley Trail Highway 27	End (Cul-de-Sac) Middlehead Trail Coastal Trail	Nobleton Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	458 458	9 20 10 30	10	0.00	97 Good Condit 97 Good Condit 97 Good Condit		-1	156 179 199	8.70 14.20 8.50	11.80	2542	No Maintenance Required No Maintenance Required No Maintenance Required		\$0.00 \$0.00 \$0.00	
NRRD-0184 NRRD-0185	Coastal Trail Middlehead Trail	Parkheights Trail Blueberry Run Trail Giant Cedars Court	Bighorn Trail School	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	458 458	10 20 10 20	9	.74	97 Good Condit 97 Good Condit	on 3	- 4	257 44	8.50 8.70		2185	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0186 NRRD-0187	Giant Cedars Court Middlehead Trail	Middlehead Trail Noble Oaks Court	End (Cul-de-Sac) Giant Cedars Court	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	458 458	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	- 4	156 77	8.70 8.70		1357	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Strucutre 0012
NRRD-0189 NRRD-0191	Samson Trail Di Meo Lane	Bighorn Trail Wilsen Road	Unnamed (Planned Road) Caliber Court	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban Urban	458 131	10 20 9 20	9	.71	97 Good Condit 97 Good Condit	on 3	-1 -1	80 40	8.80 7.50 7.50	8.80	704 300	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
NRRD-0192 NRRD-0193	Caliber Court Di Meo Lane	Di Meo Lane Caliber Court	End (Cul-de-Sac) Petersen Place	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	450 131	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	-1	64 47	8.50		400	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0194 NRRD-0195	Petersen Place Petersen Place	Di Meo Lane Di Meo Lane	End (East) End (West)	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	143 143	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 2	- 4	24 31	7.50 7.50		233	No Maintenance Required No Maintenance Required		\$0.00 \$0.00	
NRRD-0196 NRRD-0198 NRRD-0199	Wilsen Road Wilkie Avenue Bellard Drive	Highway 27 Ballard Drive	Di Meo Lane Oliver Emmerson Avenue	Nobleton Nobleton	No	High Class Bituminous High Class Bituminous	Urban	450 302 302	10 20 10 20	9	.74	97 Good Condit 97 Good Condit 97 Good Condit	on 3	-1	120 99	8.50 8.50	8.50 8.50	842	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0199 NRRD-0204 NRRD-0205	Ballard Drive West Coast Trail Chapel Gully Trail	Larkin Avenue Parkheights Trail Bluff Trail	Oliver Emmerson Avenue Black Tusk Trail Bluff Trail	Nobleton Nobleton Nobleton	No	High Class Bituminou High Class Bituminou High Class Bituminou	Urban	302 838 361	10 20 10 20 10 20	9	.71	97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit	on 3	-1 -1 -1	101 98 126	8.50 8.70 8.00	8.70	853	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
NRRD-0206 NRRD-0209	Parkheights Trail Parkheights Trail	Black Duck Trail Anderson Cove Trail	James Bowman Court Castle Mountain Court	Nobleton Nobleton	No	High Class Bituminou High Class Bituminou	Urban	838 838	10 20 10 20	9	.78 .76	97 Good Condit 97 Good Condit	on 3	- 4	249	11.00	11.70 11.70	2739 515	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
NRRD-0211 NRRD-0214	Kettle Valley Trail Oliver Emmerson Avenue	Parkheights Trail Ballard Drive	Fairmont Ridge Trail Wilkie Avenue	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	458 302	10 20	10	.71	97 Good Condit 97 Good Condit	on 3 on 3	4	205 204	8.50 11.00		1743 2244	No Maintenance Required No Maintenance Required	\$0.00 \$0.00		
NRRD-0217 NRRD-0220	Fairmont Ridge Trail / Samson Trail (Traffic Circle) Fairmont Ridge Trail / Black Duck Trail (Traffic Circle)	Samson Trail Black Duck Trail	Samson Trail Black Duck Trail	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	1876 329	9 20	10	.93	97 Good Condit 97 Good Condit	on 4	-1	97 99	6.70 6.70		650 663	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
NRRD-0223 NRRD-0247	Fairmont Ridge Trail Russell Snider Drive	Fairmont Ridge Trail (Traffic Circle) Sheardown Drive	Blueberry Run Trail 40m N. of Sheardown Drive	Nobleton Nobleton	No No	High Class Bituminou High Class Bituminou	Urban Urban	1876 199	9 20	9	.71	97 Good Condit 97 Good Condit	on 4	-1	65 38	8.50 8.50	8.50	553 323	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	·
ORRD-0001 ORRD-0004	Dufferin Street Dufferin Street	Wilhelmena Road Miller's Sideroad		King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminou High Class Bituminou	Rural	1833	9 20	10	0.00	97 Good Condit 97 Good Condit	on 4	-1	480 627	7.00	8.80	4389	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
ORRD-0028 ORRD-0030	Diana Drive 7th Concession	Highway 27 Queen's Own Lane	1.08km N. of Queen's Own Lane	King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminous	Rural	50 365 841		10	0.00	97 Good Condit 97 Good Condit	on 3	-1	302 1079 38	6.30 7.20 7.90	8.70 8.80 9.20	7769	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00 \$0.00	
ORRD-0032 ORRD-0037.1 ORRD-0050	8th Concession Dufferin Street Miller's Sideroad	16th Sideroad 19th Sideroad Bathurst Street	400m. N. 19th Sideroad	King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	No	Low Class Bituminous High Class Bituminous High Class Bituminous	Rural		9 20			97         Good Condit           97         Good Condit           97         Good Condit           97         Good Condit		-1	38 403 2047	6.00	9.20 9.60 7.30	2418 12282	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00 \$0.00 \$0.00	\$0.00 \$0.00 \$0.00	
ORRD-0066 ORRD-0070	Dufferin Street 7th Concession	Davis Drive West Bachly Crescent	Glenville Road	King Twp. (Rural)	No	High Class Bituminou High Class Bituminou	Rural Semi-Urban	1419 983	9 18	10	0.00	97 Good Condit 97 Good Condit	on 4	4 4	45 384	6.50 7.00	8.50	293 2688	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
ORRD-0079 ORRD-0080	Woodchoppers Lane 7th Concession	Jane Street 18th Sideroad	Bachly Crescent	Pottageville King Twp. (Rural) Pottageville	No	High Class Bituminou High Class Bituminou	Rural Semi-Urban	326 983	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 3	-1	112 121	6.70 7.00	7.70 9.40	750 847	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
ORRD-0085 ORRD-0087	Keele Street Nobleton Lakes Drive	Strawberry Lane Loch Erne Lane	Lipchey Road End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminou High Class Bituminou	Rural Urban	1748 963	9 20 9 20	10	0.00	97 Good Condit 97 Good Condit	on 4	-1 -1	293 954	6.70 8.00	8.70	1963	No Maintenance Required No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
ORRD-0088	Woodchoppers Lane	Keele Street	900m S. of Keele Street	King Twp. (Rural)	No	High Class Bituminou	Rural	1041	9 20	10	0.00	97 Good Condit	on 3	-1	893	5.80	9.10	5179	No Maintenance Required	\$0.00	\$0.00	

Appendix E - Road Improvement Needs (Sorted by PCI)

					Boundary		Roadside		Ride Comfort	Structural				Priority	Priority Guide	Dood Longth	Dood Width	Platform Width	Cuufaaa Araa	Proposed Lifecycle	Improvement	Benchmark	
Municipal ID	Name	Name From	Name To	Community	Road	Surface Material	Environment	AADT	Rating (RCR)	Adequacy (1- 20)	DMI	PCI	PCI Class	Rating (PR)		(m)	(m)	(m)	(m²)	Improvement	Cost	Cost (\$/m²)	OSIM Culverts/Bridges
ORRD-0095	Keele Street	19th Sideroad	19th Sideroad	King Twp. (Rural)	No	High Class Bituminous		2250	9	20		97		4	-1	18	6.10		110	No Maintenance Required	\$0.00	\$0.00	
ORRD-0099 ORRD-0100	15th Sideroad 7th Concession	8th Concession 18th Sideroad	Keewaydin Road 18th Sideroad	King Twp. (Rural)	No No	Low Class Bituminous		727 983	10	20	10.00	97 97	Good Condition Good Condition	3	-1	1286 36	6.40 7.00	8.20 9.40	8230 252	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
ORRD-0108	Norcliffe Drive	Scotch Valley Drive	End (Cul-de-Sac)	King Twp. (Rural) King Twp. (Rural)	No.	High Class Bituminous High Class Bituminous	Urban	16	9	20		97		2	-1	68	8.00	8.50	544	No Maintenance Required	\$0.00	\$0.00	
ORRD-0127	7th Concession	1.08km N. of Queen's Own Lane	16th Sideroad	King Twp. (Rural)	No	High Class Bituminous		596	9	20	10.00	97	Good Condition	3	-1	173	7.20	8.80	1246	No Maintenance Required	\$0.00	\$0.00	
ORRD-0138	Keele Street	Lipchey Road	King Street	King Twp. (Rural)	No	High Class Bituminous		1748	9	20		97		4	-1	448	6.70	8.70	3002	No Maintenance Required	\$0.00	\$0.00	
ORRD-0166 ORRD-0171	15th Sideroad	Keewaydin Road	Highway 27	King Twp. (Rural)	No No	Low Class Bituminous	Rural	727	10	20		97	Good Condition Good Condition	3	-1	760 81	6.00	9.95	4560 648	No Maintenance Required	\$0.00	\$0.00	Structure 0227
ORRD-0174	Nobleton Lakes Drive 10th Concession	Highway 27 Queen Street	Earlwood Crescent Highway 9	King Twp. (Rural) King Twp. (Rural)	No.	High Class Bituminous High Class Bituminous		963 242	9	20		97 97		2	-1	1610	8.00 7.20	8.50 8.90	11592	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	Structure 0334
ORRD-0179	Dufferin Street	Juliana Road	Graham Sideroad	King Twp. (Rural)	No	High Class Bituminous	Semi-Urban	2147	9	20	10.00	97		4	-1	553	6.70	8.70	3705	No Maintenance Required	\$0.00	\$0.00	
ORRD-0181.2	19th Sideroad	Dufferin Street	230m W. of Dufferin Street	King Twp. (Rural)	No	High Class Bituminous		865	9	18		97		3	-1	227	6.30	7.30	1430	No Maintenance Required	\$0.00	\$0.00	
ORRD-0186 ORRD-0190	Woodchoppers Lane	Jane Street 1.4km W. of Keele Street	Wist Road Jane Street	King Twp. (Rural)	No No	High Class Bituminous		326 1041	9	20		97 97	Good Condition Good Condition	3	-1	1095 1098	6.70	7.70 8.40	7336 7576	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
ORRD-0190	Woodchoppers Lane 17th Sideroad	Dufferin Street	King View Crescent	King Twp. (Rural) King Twp. (Rural)	No	High Class Bituminous High Class Bituminous	Rural	5727	9	8		97		5	-1	367	6.90	8.50	2459	No Maintenance Required	\$0.00	\$0.00	
ORRD-0213	Albion Vaughan Road	Queensgate Blvd.	King/Vaughan Boundary	King Twp. (Rural)	Yes	High Class Bituminous		10467	9	20		97		6	-1	204	7.30	0.00	1489	No Maintenance Required	\$0.00	\$0.00	
ORRD-0218	18th Sideroad	Weston Road	End (West)	King Twp. (Rural)	No	High Class Bituminous	Rural	32	9	20		97		2	-1	768	6.00	7.30	4608	No Maintenance Required	\$0.00	\$0.00	
ORRD-0219	Diana Drive	Hilda Road	End (West)	King Twp. (Rural)	No	High Class Bituminous		50	9	5		97		2	-1	356	6.30	8.70	2243	No Maintenance Required	\$0.00	\$0.00	
ORRD-0220 ORRD-0221	Nobleton Lakes Drive 7th Concession	Earlwood Crescent 15th Sideroad	Loch Erne Lane Queen's Own Lane	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous High Class Bituminous	Urban Rural	963 365	10	20	10.00	97		3	-1	50 927	8.00 7.20	8.50 8.80	400 6674	No Maintenance Required No Maintenance Required	\$0.00	\$0.00	
ORRD-0221	7th Concession	Bachly Crescent	Bachly Crescent	Pottageville	No	High Class Bituminous	Semi-Urban	983	9	20		97	Good Condition	3	- 4	250	7.00	9.40	1750	No Maintenance Required	\$0.00	\$0.00	
ORRD-0249	Mount Mellick Drive	James Morning Court	Orlin Chappel Court	King Twp. (Rural)	No	High Class Bituminous	Urban	97	9	20	10.00	97	Good Condition	2	-1	344	8.00		2752	No Maintenance Required	\$0.00	\$0.00	Structure 0225
ORRD-0252	17th Sideroad	Keele Street	Jane Street	King Twp. (Rural)	No	High Class Bituminous	Rural	6380	9	20		97		5	-1	2020	6.70	9.50	13534	No Maintenance Required	\$0.00	\$0.00	
ORRD-0261 ORRD-0262	7th Concession Woodchoppers Lane	18th Sideroad 900m S. of Keele Street	0.86km S. of 18th Sideroad 1.4km W. of Keele Street	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous High Class Bituminous	Rural Rural	216 1041	9	20	10.00	97	Good Condition Good Condition	2	-1	855 476	6.00 5.80	9.10 9.10	5130 2761	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
ORRD-0262	18th Sideroad	7th Concession	380m E. of 7th Concession	King Twp. (Rural)	No	High Class Bituminous		197	9	1	10.00	97	Good Condition	2	-1	371	6.70	8.10	2486	No Maintenance Required	\$0.00	\$0.00	
ORRD-0273	15th Sideroad	Weston Road	0.53km East of Weston Road	King Twp. (Rural)	No	High Class Bituminous	Rural	599	10	20		97		3	-1	529	7.60	11.00	4020	No Maintenance Required	\$0.00	\$0.00	
PRRD-0003	Cook Drive	Shanks Drive	Armstrong Crescent	Pottageville	No	High Class Bituminous		922	9	20			Good Condition	3	-1	238	8.50	8.50	2023	No Maintenance Required	\$0.00	\$0.00	
PRRD-0004 PRRD-0005	Cook Drive	110m W. of Archibald Road	Bachly Crescent	Pottageville	No No	High Class Bituminous	Urban	275 43	9	20		97		3	-1	231 83	6.80		1571 706	No Maintenance Required	\$0.00	\$0.00 \$0.00	
PRRD-0005	Shanks Drive Munshaw Court	Cook Drive Cook Drive	End (East) End (Cul-de-Sac)	Pottageville Pottageville	No No	High Class Bituminous High Class Bituminous		43 53	9	20	10.00	97 97	Good Condition Good Condition	2	-1	106	8.50 8.50	8.50 8.50	901	No Maintenance Required No Maintenance Required	\$0.00	\$0.00	
PRRD-0007	Cook Drive	Munshaw Court	Archibald Road	Pottageville	No	High Class Bituminous		922	9	20		97		3	-1	43	8.50	8.50	366	No Maintenance Required	\$0.00	\$0.00	
PRRD-0009	Armstrong Crescent	Cook Drive	Cook Drive	Pottageville	No	High Class Bituminous	Urban	228	9	20		97		2	-1	598	8.50	8.50	5083	No Maintenance Required	\$0.00	\$0.00	-
PRRD-0010	Cook Drive	Archibald Road	Shanks Drive	Pottageville	No	High Class Bituminous		922	9	20		97		3	-1	119	8.50	8.50	1012	No Maintenance Required	\$0.00	\$0.00	
PRRD-0014 PRRD-0015	Cook Drive	Armstrong Crescent Armstrong Crescent	Armstrong Crescent Munshaw Court	Pottageville Pottageville	No No	High Class Bituminous High Class Bituminous	Urban	922	9 9	20		97		3	-1	141	8.50 8.50	8.50 8.50	1199	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
PRRD-0015	Cook Drive	Lloydtown/Aurora Road	Archibald Road	Pottageville	No	High Class Bituminous		922	9	20	10.00	97	Good Condition	3	-1	176	8.50	8.50	1496	No Maintenance Required	\$0.00	\$0.00	
SRRD-0006	Church Street	Edwards Mill Lane	Western Avenue	Schomberg	No	High Class Bituminous	Urban	628	9	20	10.00	97	Good Condition	3	-1	209	8.40	9.40	1756	No Maintenance Required	\$0.00	\$0.00	-
SRRD-0008	Dr. Kay Drive	Dillane Drive	Rose Cottage Lane	Schomberg	No	High Class Bituminous		2510	9	2		97	Good Condition	4	-1	156	9.00	12.00	1404	No Maintenance Required	\$0.00	\$0.00	
SRRD-0016.1 SRRD-0016.2	Dr. Kay Drive Dr. Kay Drive	220m W. of Cooper Drive Cooper Drive	Main Street 220m W. of Cooper Drive	Schomberg Schomberg	Not Recorded	High Class Bituminous High Class Bituminous		2510 2368	9	18		97 97		4	-1	114 212	11.00	11.70	1254 2120	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
SRRD-0010.2	Western Avenue	Church Street	Firmwood Avenue	Schomberg	No.	High Class Bituminous		611	9	20		97		3	-1	165	8.50	8.50	1403	No Maintenance Required	\$0.00	\$0.00	
SRRD-0021	Dr. Kay Drive	Rose Cottage Lane	Cooper Drive	Schomberg	No	High Class Bituminous		2510	9	4	10.00	97	Good Condition	4	-1	86	9.00	12.00	774	No Maintenance Required	\$0.00	\$0.00	
SRRD-0027	Mapleton Mills Drive	Waterlily Trail	Waterfily Trail	Schomberg	No	High Class Bituminous		588	10	19		97		3	-1	321	8.60	8.60	2761	No Maintenance Required	\$0.00	\$0.00	Structure 0021 & 224
SRRD-0028 SRRD-0039	Church Street Castlewood Avenue	Castlewood Avenue Church Street	Centre Street Elmwood Avenue	Schomberg Schomberg	No No	High Class Bituminous High Class Bituminous	Urban	271 223	9	20		97 97	Good Condition Good Condition	3	-1	892 164	8.70 8.50	8.50	7760 1394	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
SRRD-0039	Edwards Mill Lane	Church Street	End (North)	Schomberg	No.	High Class Bituminous		15	9	20		97		2	-1	54	5.00	5.00	270	No Maintenance Required	\$0.00	\$0.00	
SRRD-0049	Dr. Jones Drive	Cooper Drive	Marchant Circle	Schomberg	No	High Class Bituminous	Urban	456	9	19		97		3	-1	119	8.50	8.50	1012	No Maintenance Required	\$0.00	\$0.00	
SRRD-0052	Church Street	Main Street	Edwards Mill Lane	Schomberg	No	High Class Bituminous		628	9	20	10.00		Good Condition	3	-1	46	8.40	9.40	386	No Maintenance Required	\$0.00	\$0.00	
SRRD-0054	Proctor Road	Dillane Drive	End (Cul-de-Sac)	Schomberg	No	High Class Bituminous		2140	10	20		97	Good Condition	4	-1	107	8.50		910	No Maintenance Required	\$0.00	\$0.00	Structure 0022
SRRD-0056 SRRD-0062	Elmwood Avenue Proctor Road	Western Avenue Magnum Drive	Castlewood Avenue Dillane Drive	Schomberg Schomberg	No No	High Class Bituminous High Class Bituminous		104 2140	9	20	10.00	97 97	Good Condition Good Condition	2	-1	136 131	8.50 8.50	8.50	1156 1114	No Maintenance Required No Maintenance Required	\$0.00 \$0.00	\$0.00 \$0.00	
SRRD-0065	Proctor Road	Highway 27	Magnum Drive	Schomberg	No	High Class Bituminous		2140	9	20		97		4	-1	157	8.50		1335	No Maintenance Required	\$0.00	\$0.00	
KRRD-0095	Adelia Place	Nicort Road	End (Cul-de-Sac)	King City	No	High Class Bituminous	Urban	341	10	20		98	Good Condition	2	-1	84	8.00		672	No Maintenance Required	\$0.00	\$0.00	
KRRD-0098	Lavender Valley Road	Basil Ridge Court	Ria Court	King City	No	High Class Bituminous		827	10	20		98		2	-1	63	8.00		504	No Maintenance Required	\$0.00	\$0.00	
KRRD-0125 KRRD-0159	Terry View Drive Ria Court	Nicort Road Lavender Valley Road	Valley Point Crescent Spring Hill Drive	King City King City	No No	High Class Bituminous High Class Bituminous		423 827	10	20	9.89	98 98		2	-1	91 291	8.00	1	728 2328	No Maintenance Required No Maintenance Required	\$0.00	\$0.00 \$0.00	
KRRD-0188	Nicort Road	Lilly Valley Crescent	Adelia Place	King City	No	High Class Bituminous	Urban	934	10	20		98		2	- 4	96	8.00		768	No Maintenance Required	\$0.00	\$0.00	
KRRD-0220	Langdon Drive	Tiero Court	Hogan Court	King City	No	High Class Bituminous		278	10	20		98	Good Condition	2	-1	183	8.00		1464	No Maintenance Required	\$0.00	\$0.00	
LRRD-0005	Rebellion Way	Little Rebel Road	Centre Street	Lloydtown	No	High Class Bituminous		139	10	20		98		1	-1	104	6.70	12.70	697	No Maintenance Required	\$0.00	\$0.00	
NRRD-0017 NRRD-0049	Fairmont Ridge Trail Hazelbury Drive	Anderson Cove Trail Hawman Avenue	West Coast Trail Wilsen Road	Nobleton Nobleton	No No	High Class Bituminous High Class Bituminous		1837 381	10	20	9.87		Good Condition	3 2	-1	81 170	8.70 6.30	8.70 8.30	705 1071	No Maintenance Required No Maintenance Required	\$0.00	\$0.00	Structure 0226
NRRD-0049	James Bowman Court	Parkheights Trail	End (Cul-de-Sac)	Nobleton	No	High Class Bituminous	Urban Urban	80	10	20	9.88			1	-1	137	8.80	8.80	1206	No Maintenance Required	\$0.00	\$0.00	Subdule 0220
NRRD-0146	Thomas Noble Court	Black Duck Trail	End (Cul-de-Sac)	Nobleton	No	High Class Bituminous		329	10	20	9.86	98	Good Condition	2	-1	193	8.60	8.60	1660	No Maintenance Required	\$0.00	\$0.00	-
NRRD-0148	Henley Drive	Hawman Avenue	Wilsen Road	Nobleton	No	High Class Bituminous		131	10	19		98		1	-1	176	6.00	8.20	1056	No Maintenance Required	\$0.00	\$0.00	
NRRD-0154 NRRD-0167	Fairmont Ridge Trail	West Coast Trail	Bighorn Trail	Nobleton Nobleton	No No	High Class Bituminous		1837 838	10	20 19		98 98		3	-1	82 98	8.70 6.40	8.70	713 627	No Maintenance Required	\$0.00	\$0.00 \$0.00	
NRRD-0167 NRRD-0188	Parkheights Trail (Traffic Circle) Paradise Valley Trail	Parkheights Trail Coppermine Court	Parkheights Trail Unnamed (Planned Road)	Nobleton Nobleton	No No	High Class Bituminous High Class Bituminous		838 458	10	19			Good Condition Good Condition	2	-1	98 264	8.70		2297	No Maintenance Required No Maintenance Required	\$0.00	\$0.00	<del></del>
NRRD-0190	Noble Oaks Court	Middlehead Trail	End (Cul-de-Sac)	Nobleton	No	High Class Bituminous	Urban	28	10	20		98		1	-1	107	8.70		931	No Maintenance Required	\$0.00	\$0.00	
NRRD-0197	Wilsen Road	Di Meo Lane	Henley Drive	Nobleton	No	High Class Bituminous	Urban	450	10	20	9.86	98	Good Condition	2	-1	75	8.50	8.50	638	No Maintenance Required	\$0.00	\$0.00	
ORRD-0006	7th Concession	Lloydtown/Aurora Road	Lloyd's Lane	Pottageville	No	High Class Bituminous		727	10	19		98	Good Condition	2	-1	1023	5.10	6.10	5217	No Maintenance Required	\$0.00	\$0.00	
ORRD-0071	19th Sideroad 8th Concession	7th Concession 18th Sideroad	End (West) 18th Sideroad	King Twp. (Rural) King Twp. (Rural)	No No	High Class Bituminous		49 666	10	20		98 98		1 2	-1	635 60	6.00	7.30	3810 402	No Maintenance Required No Maintenance Required	\$0.00	\$0.00	
ORRD-0114 ORRD-0167 2	7th Concession	2.1km N. of King Road	18th Sideroad 15th Sideroad	King Twp. (Rural)	Not Recorded	High Class Bituminous High Class Bituminous	Rural	303	10	20		98		2	-1	409	7.00	9.00	2863	No Maintenance Required No Maintenance Required	\$0.00	\$0.00	<del></del>
ORRD-0276	15th Sideroad	7th Concession	260m East of 7th Concession	King Twp. (Rural)	No	High Class Bituminous	Rural	266	10	20		98		2	-1	263	7.20	8.50	1894	No Maintenance Required	\$0.00	\$0.00	
PRRD-0018	Cook Drive	Archibald Road	110m W. of Archibald Road	Pottageville	No	High Class Bituminous	Urban	922	10	20		98		2	-1	114	8.50	8.50	969	No Maintenance Required	\$0.00	\$0.00	
YRRD-0002	Spring Street	Weston Road	End (West)	Laskay	No	High Class Bituminous	Rural	26	10	18	9.90	98	Good Condition	1	-1	65	3.50	1	228	No Maintenance Required	\$0.00	\$0.00	

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# **Appendix F**

## **Benchmark Unit Cost Breakdown**

Unit Costs	Units	Unit Cost
Granular A	t	\$18.00
Granular B	t	\$14.40
Asphalt	t	\$120.00
50 mm HL8	m2	\$14.70
50mm HL4	m2	\$14.70
40mm HL3	m2	\$11.76
Earth Excavation	m3	\$15.00
Milling	m2	\$3.00
Pulverizing	m2	\$1.00
Asphalt Removal	m2	\$5.00
Microsurfacing	m2	\$6.00
Crack Sealing	m2	\$0.75
Catch Basin/Manhole Adjustments	m2	\$2.00
Crack Sealing + Patching	m2	\$1.50
Maintenance Gravel + Calcium Chloride*	m2	\$0.55
Curb and Gutter Replacement	m2	\$16.00
Tack Coat	m2	\$0.40
Gravel Shoulders (50mm Depth)	m2	\$1.35
Nominal Ditch Repairs	m2	\$0.50
FibreMat	m2	\$7.00
Single Surface Treatment	m2	\$5.00
Double Surface Treatment	m2	\$9.00
Triple Surface Treatment	m2	\$13.50
Improve Grades and Sightlines**	m2	\$85.00

<sup>\*</sup> Maintenance gravel and calcium chloride are material costs only. Road preparation and grading are assumed to be by Township forces.

<sup>\*\*</sup> The extent of grade and/or sightline improvement requirements (if any) may vary widely from section-to-section. The unit cost shown is general, and any specific road section costs must be assessed at the project-level.

Urban HCB Resurfacing														
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2						
Milling					m2		\$3.00	\$3.00						
Tack Coat					m2		\$0.40	\$0.40						
HL4			50mm	0.1225t/m2	m2		\$14.70	\$14.70						
Contingencies	10%							\$1.81						
							Total =	\$19.91						

		Semi-Urba	an or Rural HCB/	LCB Resurfacing AADT	>=1000			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Gravel Shoulders			50 mm		m2		\$1.35	\$1.35
Crack Sealing + Patching					m2		\$1.50	\$1.50
Milling			50mm		m2		\$3.00	\$3.00
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Contingencies	10%							\$2.10
							Total =	\$23.05
	<u> </u>							
<u>.</u>				B Resurfacing 1000>AA				2 1/ 2
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Crack Sealing + Patching					m2		\$1.50	\$1.50
Milling			50 mm		m2		\$3.00	\$3.00
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Contingencies	10%							\$1.96
							Total =	\$21.56
							TOTAL =	\$21.50
	<u> </u>	Semi-l	l Jrban or Rural H	CB Resurfacing AADT<	100	<u>                                     </u>		
Crack Sealing + Patching	1				m2		\$1.50	\$1.50
Asphalt Removal			50 mm		m2		\$5.00	\$5.00
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Contingencies	10%		30	0.1223 ()2		1	Ų2 117 O	\$2.12
						1		7
							Total =	\$23.32
		Semi-l	Urban or Rural L	CB Resurfacing AADT<4	100			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Crack Sealing + Patching				_	m2		\$1.50	\$1.50
FibreMat				_	m2		\$7.00	\$7.00
Double Surface Treatment					m2		\$9.00	\$9.00
Contingencies	10%							\$1.75
<u> </u>								
							Total =	\$19.25

			Urban HCB R	ehabilitation				
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Asphalt Removal			100 mm		m2		\$5.00	\$5.00
Curb and Gutter Replacement	15%				m2		\$16.00	\$2.40
Catch Basin/Manhole Adjustments					m2	30	\$2.00	\$2.00
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50mm	0.1225t/m2	m2		\$14.70	\$14.70
Contingencies	15%							\$5.88
							Total =	\$45.08

30 structures per km at \$450 each

	1 .		or Rural HCB/L			T T		
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/n
Pulverizing		<b>.</b>			m2		\$1.00	\$1.00
Granular A			150 mm		m2		\$9.36	\$9.36
HL8 Asphalt		1	50 mm		m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50mm	0.1225t/m2	m2		\$14.70	\$14.7
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Contingencies	15%							\$6.43
					m2			
							Total =	\$49.2
		Semi-Urban o	r Rural HCB/LCB	Rehabilitation 1000>A	ADT>=400			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m
Pulverizing		, ,	, , ,		m2		\$1.00	\$1.00
Granular A		1	150 mm		m2	1	\$9.36	\$9.36
HL8 Asphalt		1	50 mm	0.1225t/m2	m2		\$14.70	\$14.7
Tack Coat		1	30	0.1223 (1.1.2	m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2	1	\$14.70	\$14.7
Gravel Shoulders		+	100 mm	0.1225()1112	m2	<del> </del>	\$2.70	\$2.70
Contingencies	15%	+	100 111111		IIIZ	<del> </del>	Ş2.70	\$6.43
contingencies	13/0	+				1		JU.45
							Total =	\$49.2
		Semi-Uı	rban or Rural HC	B Rehabilitation AADT	<400			
Pulverizing					m2		\$1.00	\$1.00
Granular A			150 mm		m2		\$9.36	\$9.36
HL8 Asphalt			50 mm	0.1225t/m2	m2	İ	\$14.70	\$14.7
Tack Coat		1		0.2220 472	m2		\$0.40	\$0.40
HL4 Asphalt		1	50 mm	0.1225t/m2	m2		\$14.70	\$14.7
Contingencies	15%		50	0.1223 (1.1.2	2		ψ1σ	\$6.02
contingenties	1570	+				<del>                                     </del>	+	70.02
							Total =	\$46.1
							Total =	Ÿ <del>-</del> 10.1
		Semi-U	r <mark>ban or Rural LC</mark>	B Rehabilitation AADT	400			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/n
Pulverizing					m2		\$1.00	\$1.00
Granular A			150 mm		m2		\$9.36	\$9.36
HL8 Asphalt		1	50 mm	0.1225t/m2	m2	1	\$14.70	\$14.7
Tack Coat		1			m2		\$0.40	\$0.40
HL4 Asphalt	İ	1	50 mm	0.1225t/m2	m2		\$14.70	\$14.7
Contingencies	15%	1				1	70	\$6.02
contingencies	15/0	<del>                                     </del>				1		70.02

			Urban HCB Red	construction				
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Asphalt Removal			100 mm		m2		\$5.00	\$5.00
Earth Excavation			450 mm		m2		\$6.75	\$6.75
Granular A			150 mm		m2		\$7.29	\$7.29
Granular B			300 mm		m2		\$9.72	\$9.72
Curb and Gutter Replacement					m2		\$16.00	\$16.00
Catch Basin/Manhole Adjustments					m2	30	\$2.00	\$2.00
Drainage Improvements					m2		\$3.00	\$3.00
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Contingencies / Engineering	20%							\$15.91
							Total =	\$95.47

30 structures per km at \$450 each

Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Asphalt Removal			100 mm		m2		\$5.00	\$5.00
Earth Excavation			450 mm		m2		\$6.75	\$6.75
Granular A			150 mm		m2		\$7.92	\$7.92
Granular B			300 mm		m2		\$9.72	\$9.72
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Nominal Ditch Repairs					m2		\$0.50	\$0.50
Contingencies	20%							\$12.48
							Total =	\$74.87
	Se	emi-Urban or R	ural HCB/LCB Re	construction 1000>AAI	OT>=400			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m
Asphalt Removal			100 mm		m2		\$5.00	\$5.00
Earth Excavation			450 mm		m2		\$6.75	\$6.75
Granular A			150 mm		m2		\$7.92	\$7.92
Granular B			300 mm		m2		\$9.72	\$9.72
HL8			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Nominal Ditch Repairs					m2		\$0.50	\$0.50
Contingencies	20%							\$12.48
							Total =	\$74.87
				Reconstruction AADT				
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Asphalt Removal			100 mm		m2		\$5.00	\$5.00
Earth Excavation			450 mm		m2	1	\$6.75	\$6.75
Granular A		1	150 mm		m2	1	\$7.92	\$7.92
Granular B			300 mm		m2		\$9.72	\$9.72
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Nominal Ditch Repairs					m2		\$0.50	\$0.50
Contingencies	20%							\$11.94
						1		

	1			AADT>=400 - To 2 HM		1 0	11.21.0	0
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Earth Excavation			150 mm		m2		\$2.25	\$2.25
Granular A			150 mm		m2		\$7.92	\$7.92
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt		6.7	50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Nominal Ditch Repairs					m2		\$0.50	\$0.50
Contingencies	5%							\$2.16
							Total =	\$45.33
				100>AADT>200 - To 2 HI				
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Granular A			150 mm		m2		\$7.92	\$7.92
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat							\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Contingencies	5%							\$1.89
							Total =	\$39.61
		Semi-Urha	an or Rural Grave	AADT<200 - To 2 HM/	1	<u> </u>		
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Granular A		1	150 mm		m2		\$7.92	\$7.92
HL8 Asphalt			50 mm	0.1225t/m2	m2	1	\$14.70	\$14.70
Tack Coat				.,		1	\$0.40	\$0.40
HL4 Asphalt		1	50 mm	0.1225t/m2	m2	† †	\$14.70	\$14.70
Contingencies	5%							\$1.89

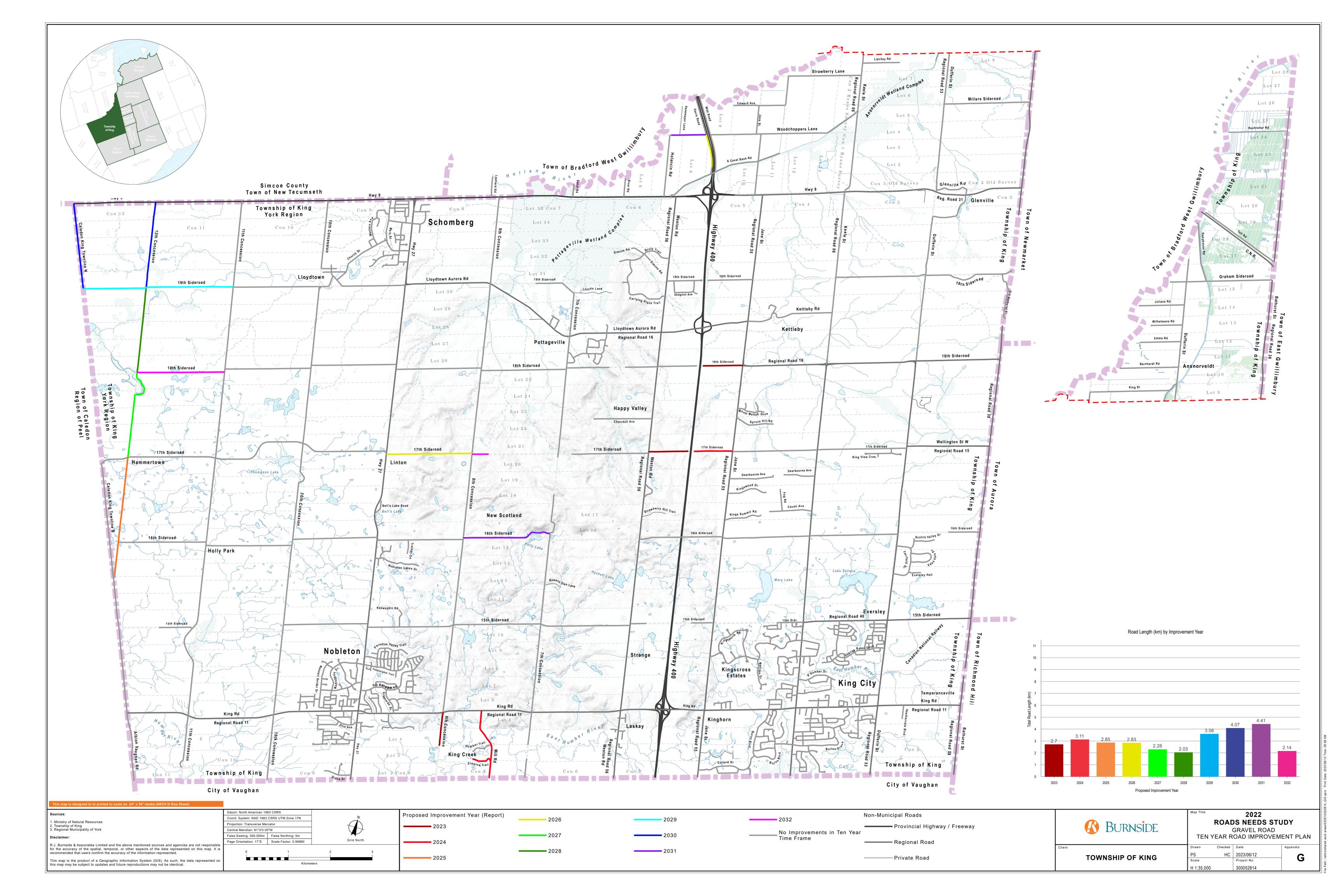
	Se	mi-Urban or Ru	ıral Gravel Rehal	oilitation AADT>400 - T	o 2 HMA			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Pulverizing					m2		\$1.00	\$1.00
Earth Excavation			150 mm		m2		\$2.25	\$2.25
Granular A			150 mm		m2		\$7.92	\$7.92
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Nominal Ditch Repairs					m2		\$0.50	\$0.50
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Contingencies	15%							\$6.63
							Total =	\$50.80
	Somi	Urban or Pura	l Gravel Pohabili	tation 400>AADT>200	To 2 UMA			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m
Pulverizing	7	Triacii (iii)	Dept ()	CONTENSION FUCTOR	m2	Quantity	\$1.00	\$1.00
Earth Excavation			150 mm		m2		\$2.25	\$2.25
Granular A		+	150 mm		m2		\$7.92	\$7.92
HL8 Asphalt		+	50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat			30 111111	0.1225(/1112	m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Nominal Ditch Repairs			30 111111	0.1225(/1112	m2		\$0.50	\$0.50
Gravel Shoulders		†	50 mm		m2	1	\$1.35	\$1.35
Contingencies	15%	†	30 111111		IIIZ	1	\$1.55	\$6.42
Contingencies	15%	+				1		Ş0.4Z
							Total =	\$49.24
								*
	Se	mi-Urban or Ru	ıral Gravel Rehal	oilitation AADT<200 - T	o 2 HMA			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m
Pulverizing					m2		\$1.00	\$1.00
Earth Excavation			150 mm		m2		\$2.25	\$2.25
Granular A			150 mm		m2		\$7.92	\$7.92
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat				_	m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Nominal Ditch Repairs					m2		\$0.50	\$0.50
Gravel Shoulders			50 mm		m2		\$1.35	\$1.35
Contingencies	15%							\$6.42
							1	
							Total =	\$49.24

Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Pulverizing	Amount	width (iii)	Deptii (iiiii)	Conversion ractor	m2	Quantity	\$1.00	\$1.00
Earth Excavation		+	450 mm		m2		\$6.75	\$6.75
Granular A		+	150 mm		m2		\$7.92	\$7.92
Granular B		+	300 mm		m2		\$9.72	\$9.72
HL8 Asphalt		+	50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat		+	30 111111	0.1225(/1112	m2		\$0.40	\$0.40
HL4 Asphalt		+	50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Gravel Shoulders		+	100 mm	0.1225(/1112	m2		\$2.70	\$2.70
Nominal Ditch Repair			100 111111		m2		\$0.50	\$0.50
Contingencies	20%				1112		\$0.50	\$11.68
Contingencies	20%	1						\$11.00
							Total =	\$70.07
							Total =	\$70.07
		Semi-Urban o	r Rural Gravel Re	construction 400>AADT	>200	1 1		
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Pulverizing					m2		\$1.00	\$1.00
Earth Excavation			450 mm		m2		\$6.75	\$6.75
Granular A			150 mm		m2		\$7.92	\$7.92
Granular B			300 mm		m2		\$9.72	\$9.72
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat				,	m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Nominal Ditch Repair					m2		\$0.50	\$0.50
Contingencies	20%							\$11.68
							Total =	\$70.07
		Semi-Urban	or Rural Gravel	Reconstruction AADT<2	00			
Item	Amount	Width (m)	Depth (mm)	Conversion Factor	Unit	Quantity	Unit Cost	Cost/m2
Pulverizing					m2		\$1.00	\$1.00
Earth Excavation			450 mm		m2		\$6.75	\$6.75
Granular A			150 mm		m2		\$7.92	\$7.92
Granular B			300 mm		m2		\$9.72	\$9.72
HL8 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Tack Coat					m2		\$0.40	\$0.40
HL4 Asphalt			50 mm	0.1225t/m2	m2		\$14.70	\$14.70
Gravel Shoulders			100 mm		m2		\$2.70	\$2.70
Nominal Ditch Repair					m2		\$0.50	\$0.50
Contingencies	20%							\$11.68
<del>-</del>								
							Total =	\$70.07



# **Appendix G**

**Gravel Road 10-Year Road Improvement Plan** 



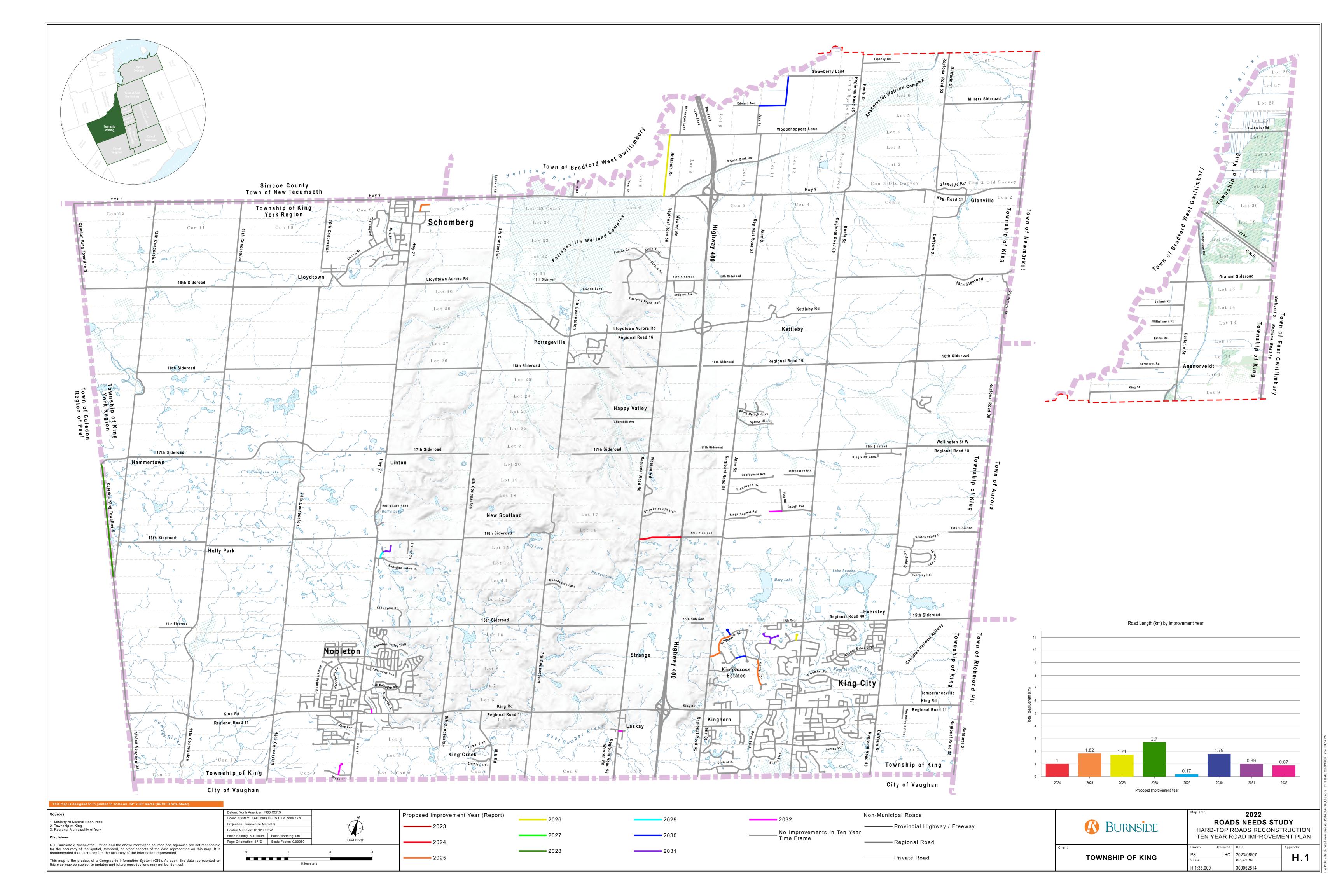
#### Appendix G - Gravel Road 10 Year Conversion Plan

					Boundary					Priority	Road	Road	Platform	Surface	Improvement	Benchmark		
Municipal ID	Name	Name From	Name To	Community	Road	AADT	RCR	PCI	PCI Class	Rating (PR)	Length	Width (m)	Width (m)	Area (m²)	Cost	Cost (\$/m²)	Comments	OSIM Culverts/Bridges
									Year 1 (2023		(m)	(m)		(m-)				
ORRD-0016	17th Sideroad	Weston Road	End (East)	King Twp. (Rural)	No	194	10	96	Good Condition	3	946	5.70	6.70	6338	\$253,520.00	\$40.00		
ORRD-0092	8th Concession	South end	King Road	King Twp. (Rural)	No	170			Satisfactory Condition	21	799	5.10	6.10	4874	\$194,960.00	\$40.00		Structure 0209
ORRD-0239	18th Sideroad	Jane Street	West end	King Twp. (Rural)	No	82			Satisfactory Condition	11	952	5.70	6.70	6378	\$255,120.00	\$40.00		Cudidate 0200
OTTE GEOD	Total Oldorodd	ound outdoor	Proof one	rang rwp. (ranar)	110	U.		00   0		ngth (km)		0.10			\$703,600.00	<b>\$40.00</b>		
									Year 2 (2024						,	II.		
ORRD-0175	Mill Road	King - Vaughn Boundary	Elmpine Trail	King Twp. (Rural)	No	566	10	95	Good Condition	5	422	6.00	7.30	3081	\$138,645.00	\$45.00		
ORRD-0156	Mill Road	Elmpine Trail	Humber Trail	King Twp. (Rural)	No	566	9	91	Good Condition	9	376	6.00	7.30	2745	\$123,525.00	\$45.00		Structure 0001
ORRD-0052	Mill Road	Humber Trail	King Road	King Twp. (Rural)	No	566	9	85	Good Condition	15	900	6.00	7.30	6570	\$295,650.00	\$45.00		
ORRD-0144	Elmpine Trail	Mill Road	End (West)	King Twp. (Rural)	No	153	8	70 8	Satisfactory Condition	22	487	4.00	5.00	2435	\$97,400.00	\$40.00		
ORRD-0251	17th Sideroad	Jane Street	End (West)	King Twp. (Rural)	No	245	9	87	Good Condition	11	921	4.50		5066	\$202,640.00	\$40.00		
										ngth (km)	3.106			Total Cost	\$857,860.00			
									Year 3 (2025									
DRRD-0165.2	12th Concession	120m N. of Caledon King Townline	16th Sideroad	King Twp. (Rural)	No				Satisfactory Condition	16			7.30	6008	\$270,360.00	\$45.00		
ORRD-0212	12th Concession	16th Sideroad	17th Sideroad	King Twp. (Rural)	No	384	7	82 5	Satisfactory Condition	16	2029	6.00	7.30	14812	\$592,480.00	\$40.00		
										ngth (km)	2.852			Total Cost	\$862,840.00			
									Year 4 (2026									
ORRD-0196	17th Sideroad	8th Concession	Highway 27	King Twp. (Rural)	No	357			Good Condition	12		5.70		13681	\$547,240.00	\$40.00		
DRRD-0040.2	Davis Road	160m N. of South Canal Bank Road	2nd Concession	King Twp. (Rural)	No	437	9	84 5	Satisfactory Condition	15	794	6.00		6273	\$282,285.00	\$45.00		
									Year 5 (2027	ngth (km)	2.836			Total Cost	\$829,525.00			
ORRD-0147	12th Concession	17th Sideroad	1.5km N. of 17th Sideroad	King Twp. (Rural)	No	407		70 0	Satisfactory Condition	15	4504	7.20	8.20	12333	\$493.320.00	\$40.00		
ORRD-0147	12th Concession	1.5km N. of 17th Sideroad	2.2km N. of 17th Sideroad	King Twp. (Rural)	No	127			Satisfactory Condition	14	660	7.20	8.20	5412	\$493,320.00	\$40.00		
ORRD-0061	12th Concession	2.2km N. of 17th Sideroad	2.2km N. of 17th Sideroad 18th Sideroad	King Twp. (Rural)	No				Satisfactory Condition	16	118	7.20		968	\$216,480.00	\$40.00		
URRD-0062	12th Concession	2.2km N. OI 17th Sideroad	18th Siderbad	King Twp. (Kurai)	NO	127	/	/6   8		ngth (km)		7.20		Total Cost	\$748.520.00	\$40.00		
									Year 6 (2028		2.202			Total Cost	\$740,520.00			
ORRD-0207	12th Concession	18th Sideroad	19th Sideroad	King Twp. (Rural)	No	384	8	74 5	Satisfactory Condition		2031	7.50	8.30	16857	\$674,280,00	\$40.00		Structure 0325
OTTINE OEOT	TEAT CONCOCCION	Total Gladioad	1001 01001000	rung rwp. (runui)	110	001				ngth (km)		7.00		Total Cost	\$674,280.00	<b>\$10.00</b>		Olidotaro COZO
									Year 7 (2029		2.001				V01-1,200.00			
ORRD-0148	19th Sideroad	12th Concession	Caledon King Town Line North	King Twp. (Rural)	No	148	8	80 5	Satisfactory Condition		1505	7.30	7.30	10987	\$439,480.00	\$40.00		
ORRD-0209	19th Sideroad	11th Concession	12th Concession	King Twp. (Rural)					Satisfactory Condition	21	2075			15148	\$681,660.00	\$45.00		Structure 0324
										ngth (km)					\$1,121,140.00			
									Year 8 (2030	)						,	+	
ORRD-0119	12th Concession	19th Sideroad	Highway 9	King Twp. (Rural)	No				Satisfactory Condition	19	2045		9.00	18405	\$736,200.00	\$40.00		
ORRD-0230	Caledon King Town Line North	19th Sideroad	Halls Lake Sideroad	King Twp. (Rural)	No	245			Satisfactory Condition	17	51	7.70	8.50	434	\$8,680.00	\$40.00	Cost share with Caledon (Total cost \$17,360)	
ORRD-0077	Caledon King Town Line North	Halls Lake Sideroad	Highway 9	King Twp. (Rural)	Yes	1690	8	77 5	Satisfactory Condition	30	1978	7.70		16813	\$378,292.50	\$45.00	Cost share with Caledon (Total cost \$756,585)	
				*						ngth (km)	4.074			Total Cost	\$1,123,172.50			
									Year 9 (2031									
ORRD-0180	16th Sideroad	7th Concession	8th Concession	King Twp. (Rural)	No	444			Good Condition	14	2113			15425	\$694,125.00	\$45.00		
ORRD-0160	2nd Concession	Davis Road	Hanemaayer Lane	King Twp. (Rural)	No	421			Good Condition	12	631	6.00		4733	\$212,985.00	\$45.00		
ORRD-0073	2nd Concession	Hanemaayer Lane	Holancin Road	King Twp. (Rural)	No	421	8	86	Good Condition	13	205	6.00		1538	\$69,210.00	\$45.00		
										ngth (km)	2.949			Total Cost	\$976,320.00			
0000 0110	1011 011	1111 0 1	1011 0	10 T (D 0		1 400		00	Year 10 (2032						A 200 F 00 00			
ORRD-0142 ORRD-0267	18th Sideroad	11th Concession	12th Concession	King Twp. (Rural)	No		9		Good Condition	10		7.40		19164	\$766,560.00	\$40.00		
UKKD-0267	17th Sideroad	8th Concession	End (East)	King Twp. (Rural)	No	159	9	86	Good Condition	11	398	5.10	6.10	2428	\$97,120.00	\$40.00		
									rotal Ler	ngth (km)	2.481			Total Cost	\$863,680.00			



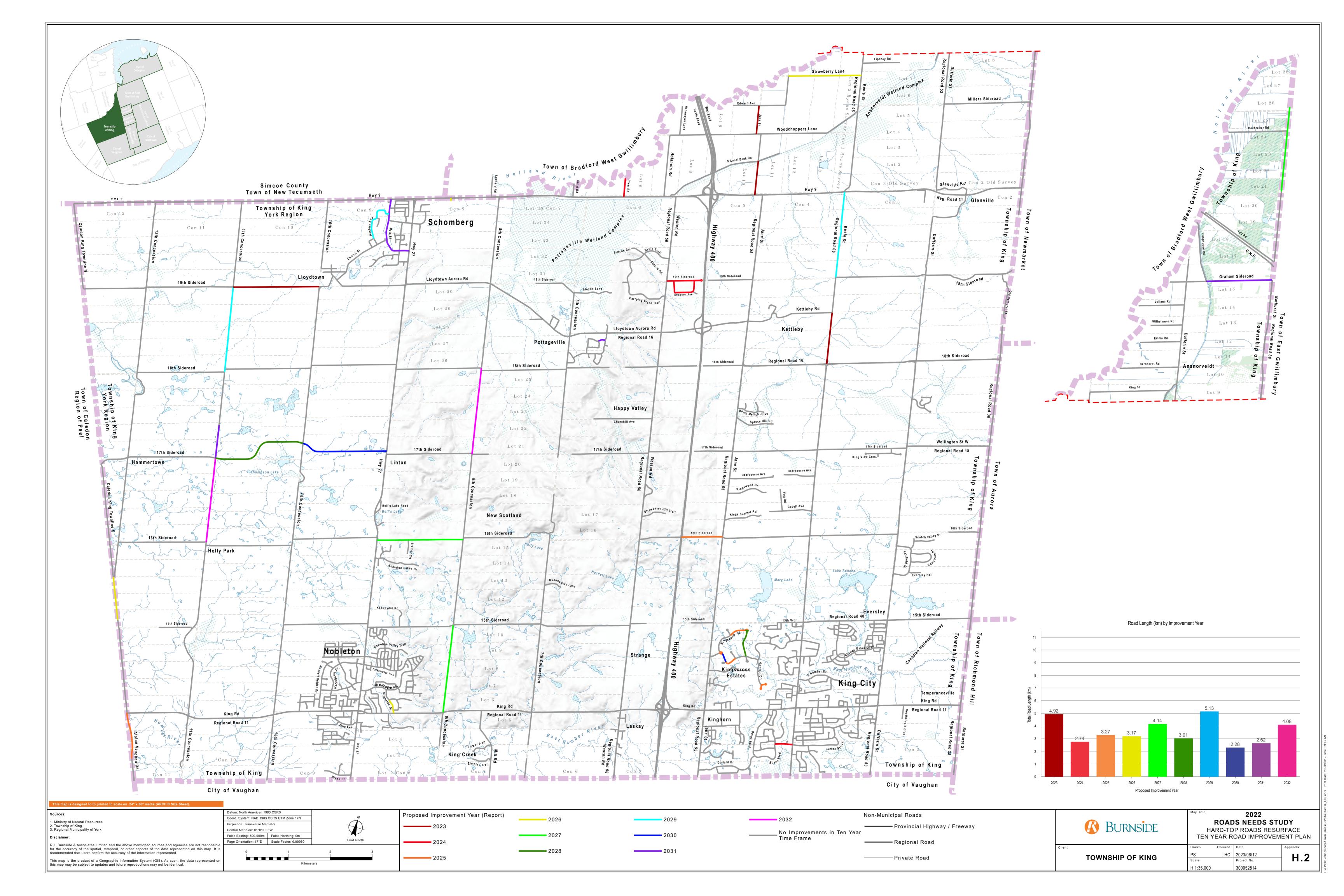
# **Appendix H**

**Hard-Top Road 10-Year Road Improvement Plan** 



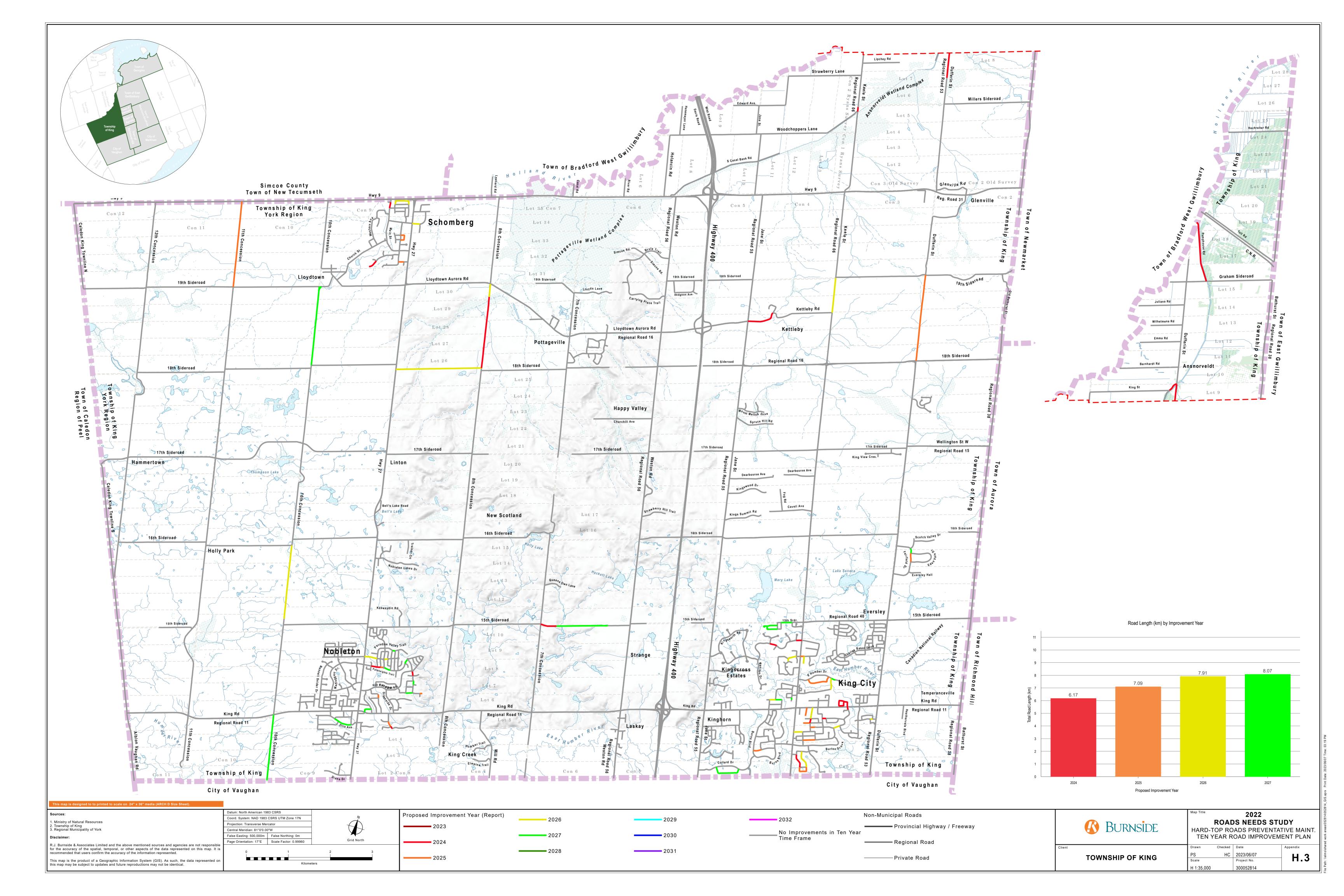
#### Appendix H - Hardtop Road 10 Year Reconstruction Plan

Municipal ID	Previous RNS ID	Name	Name From	Name To	Surface Material	AADT PCI	PCI Class	Priority Rating (PR)	Priority Guide Number (PGN)	Road Length (m)	Road Width (m) Surfa	e Roadside n²) Environment	Current Proposed Lifecycle Improvement (2023)	Current Improvement Cost (2023)	2023 Benchmark Cost (\$/m²)	Adjusted Improvement	Adjusted Benchmark Cost (\$/m²)	Adjusted Improvement Cost	Year Proposed by 2020 Study	
				•						ear 1 (2023										
										sed Recon	strcutions									
								Total L	ength (km)	ear 2 (2024	<u>.                                    </u>		Total Cos	t \$0.00		Revi	sed Total Cost	\$0.00		
DRRD-0236	30	16th Sideroad	Highway 400 Overpass	Weston Road	High Class Bituminous	1446 47	Poor Condition		299		6.70 6727	Rural	Rehabilitation	\$329.623.00	\$49.00	Reconstruction	\$75.00	\$504.525.00	r	
JRRD-0230	30	Ibiri Siderdad	Higriway 400 Overpass	weston Road	I riigii Ciass bituriirious	1145 47	Poor Condition		enath (km)		0.70 0721	Rurai		t \$329,623.00	\$49.00			\$504,525.00		
								TOTAL		ear 3 (202	5)		10141 005	4323,023.00	1	Kevi	seu rotar cos	\$304,323.00	1	
SRRD-0053	3002	Magnum Drive	Proctor Road	End (Cul-de-Sac)	Low Class Bituminous	1092 41	Poor Condition	68	292			Semi-Urban	Rehabilitation	\$131,271.00	\$49.00	Reconstruction	\$75.00	\$200.925.00	2029	Structure 0309 (\$2.500) & 0310 (\$4.500
(RRD-0073	1147	Westgate Boulevard	Jane Street	Westgate Circle	High Class Bituminous	219 48	Poor Condition	42	67	260	6.00 1560	Semi-Urban	Rehabilitation	\$71,760.00	\$46.00	Reconstruction	\$72.00	\$112,320.00		
(RRD-0005	1136	Manitou Drive	Kingscross Drive	Fork	High Class Bituminous		Poor Condition	40	46	620		Semi-Urban	Rehabilitation	\$191,084.00	\$46.00	Reconstruction	\$72.00	\$299.088.00	2030	
(RRD-0105	1145	Kingsworth Road	Westgate Circle	Blueberry Lane	High Class Bituminous	236 40	Poor Condition	49	76	570	6.60 3762	Semi-Urban	Rehabilitation	\$173,052.00	\$46.00	Reconstruction	\$72.00	\$270,864.00		Structure 0331 (\$1,000)
	•		-					Total L	ength (km)			•	Total Cos	t \$567,167.00		Revi	sed Total Cost	\$883,197.00		
										ear 4 (2026										
DRRD-0195		Holancin Road	Highway 9	2nd Concession	Low Class Bituminous		Poor Condition		56	1496		Rural	Rehabilitation	\$461,058.00	\$46.00	Reconstruction	\$72.00	\$721,656.00		
(RRD-0032	1124	McKellar Lane	Kingscross Drive	End (Cul-de-Sac)	High Class Bituminous	36 36	Very Poor Condition	38	8	213	6.70 1427	Semi-Urban	Reconstruction	\$102,744.00	\$72.00	Reconstruction	\$72.00	\$102,744.00		
								Total L	ength (km)	1.709			Total Cos	t \$563,802.00		Revi	sed Total Cost	\$824,400.00		
										ear 5 (2027 sed Recon										
								T-4-11	No Propo ength (km)		strcutions		Total Cos	t \$0.00		Devil	sed Total Cost	\$0.00		
								I Otal L		ear 6 (2021	R)		Total Cos	τι \$0.00	1	Revi	sed Total Cos	\$0.00	1	
DRRD-0076	140	Caledon King Town Line South	12th Concession	17th Sideroad	High Class Bituminous	7007 62	Fair Condition	70			7.35 1986	Rural	Resurface	\$774.540.00	\$39.00	Reconstruction	\$75.00	\$744,750.00	2024	
J1414D-0070	145	Outcomming fown Line Count	TEST CONDUCTION	Trai Outroud	riigii Olabb Ditaminoab	7007   02	T dill Condition	Total L	ength (km)	2.702	7.00 1000	- Italia		t \$774,540.00	<b>\$55.00</b>			\$744,750.00	2024	
									Y	ear 7 (2029	9)				1				1	
DRRD-0093	201	Loch Erne Lane	Nobleton Lakes Drive	Hilliard Grove	High Class Bituminous	319 66	Fair Condition	30	27	168	8.00 1344	Urban	Resurface	\$53,760.00	\$40.00	Reconstruction	\$95.00	\$127.680.00		
								Total L	ength (km)				Total Cos	t \$53,760.00		Revi	sed Total Cost	\$127,680.00		
									Y	ear 8 (2030					•					
DRRD-0258		Aileen Avenue	Edward Avenue	Strawberry Lane	High Class Bituminous		Fair Condition	35		702	6.70 4703		Resurface	\$183,417.00	\$39.00	Reconstruction	\$75.00		2028	
RRD-0150	305	Edward Avenue	Aileen Avenue	Jane Street	High Class Bituminous		Fair Condition	35	70	613	6.30 3862		Resurface	\$150,618.00	\$39.00	Reconstruction	\$75.00	\$289,650.00		
(RRD-0031	1152	Blueberry Lane	Kingsworth Road	End (Cul-de-Sac)	High Class Bituminous		Poor Condition	33	23	234	7.30 1708		Rehabilitation	\$78,568.00	\$46.00	Reconstruction	\$72.00	\$122,976.00		
(RRD-0048	1144	Kingscross Drive	Champlain Crescent	Cranberry Lane	High Class Bituminous	681   69	Fair Condition	32	47 enath (km)	255	8.00 2040	Semi-Urban	Resurface	\$79,560.00 t \$492,163.00	\$39.00	Reconstruction	\$75.00	\$153,000.00 \$918,351.00	2028	Structure 0329
								I otal L		1.804 ear 9 (203			Total Cos	\$492,163.00	1	Kevi	sed Total Cost	\$918,351.00	1	
DRRD-0192	201	Loch Erne Lane	Hilliard Grove	End (Cul-de-Sac)	High Class Bituminous	310 63	Fair Condition	32	29	312	8.00 2496	Urban	Resurface	\$99.840.00	\$40.00	Reconstruction	\$95.00	\$237.120.00	1	
(RRD-0059	1130	Chelsea Lane	Fork	End (East Cul-de-Sac)	High Class Bituminous		Fair Condition	32	30	249	6.70 1668		Rehabilitation	\$76,728.00	\$46.00	Reconstruction	\$72.00	\$120.096.00		
(RRD-0093	0	Chelsea Lane	Fork	End (West Cul-de-Sac)	High Class Bituminous		Poor Condition	30		292	6.70 1956		Rehabilitation	\$89,976,00	\$46.00	Reconstruction	\$72.00	\$140.832.00		
KRRD-0047	1132	Chelsea Lane	Kingscross Drive	Fork	High Class Bituminous		Poor Condition	29	11	138	6.70 925		Rehabilitation	\$42,550.00	\$46.00	Reconstruction	\$72.00	\$66,600,00		
								Total L	ength (km)	0.991			Total Cos	t \$309,094.00		Revi	sed Total Cost	\$564,648.00		
										ear 10 (203									•	
DRRD-0041	41	Cavell Avenue	Fog Road	End (West)	Low Class Bituminous		Fair Condition	29	36	310		Semi-Urban	Resurface	\$78,585.00	\$39.00	Reconstruction	\$75.00	\$151,125.00		
DRRD-0098	195	Hilda Road	Diana Drive	End (Cul-de-Sac)	High Class Bituminous	72 52	Poor Condition	31	18	340		Semi-Urban	Rehabilitation	\$104,788.00	\$46.00	Reconstruction	\$72.00	\$164,016.00		
IRRD-0142		Lynwood Crescent	King Road	Royal Avenue	High Class Bituminous		Fair Condition	30	38	110	7.00 770	Semi-Urban	Resurface	\$30,030.00	\$39.00	Reconstruction	\$75.00	\$57,750.00		
'RRD-0001	248	Laskay Mills Drive	Weston Road	Rolling Court	High Class Bituminous	243 64	Fair Condition	30	L	107	8.00 856	Urban	Resurface	\$34,240.00	\$40.00	Reconstruction	\$95.00	\$81,320.00		1
								Total L	ength (km)	0.867			Total Cos	t \$247,643.00		Revi	sed Total Cost	\$454,211.00		



#### Appendix H - Hardtop Road Resurfacing 10 Year Plan

Municipal Previous	Name	Name From	Name To	Surface Material	AADT PC	PCI Class	Priority	Priority Guide	Road I	Road Width	Surface Roadside	Current Proposed Lifecycle Improvement	Current	2023 Benchmark	A.0	Adjusted	Adjusted	Year Proposed	OSIM Culverts/Bridges	Notes
ID RNS ID	Raile	Raile Floii	Name 10	Surface material	JODI PC	PCI Class	Rating (PR)	Number (PGN)		(m)	Area (m²) Environment	(2023)	Cost (2023)	Cost (\$/m²)	Adjusted Improvement	Cost (\$/m²)	Cost	by 2020 Study	O3im Culverts/Bridges	Notes
ORRD-0020 261	Keele Street	Lloydtown/Aurora Road Traffic Circle	Kettleby Road	High Class Bituminous	1988 65	Fair Condition	47	178	1365		fear 1 (2023) 9145 Rural	Resurface	\$356,655.00	\$39.00	Resurface	\$30 nn	\$356,655.00	2026	Structure 0315 (\$7,000)	
ORRD-0250 293	Jane Street	Davis Drive West	South Canal Bank Road	High Class Bituminous	734 68	Fair Condition	34	50	818			Resurface	\$267,969.00	\$39.00	Resurface	\$39.00	\$267,969.00	2026	Structure 0010 (\$1,000)	
ORRD-0135 301	Jane Street	Woodchoppers Lane	Edward Avenue	High Class Bituminous		Satisfactory Condition	1 17	64.8	681	6.60	4495 Rural	Preventative Maintenance	\$175,305.00	\$39.00	Preventative Maintenance		\$175,305.00	2026		
ORRD-0137 137	19th Sideroad	10th Concession	11th Concession	High Class Bituminous	1350 95	Good Condition		-1	2049	6.00	12294 Rural	Routine Maintenance		\$39.00	Routine Maintenance	\$39.00	\$479,466.00	2023	Structure 0321 (\$7,000) & 0322 (\$5,500)	
							Total	Length (km	4.913		Year 2 (2024)	Total Cos	\$1,279,395.00		R	evised Total Cost	\$1,279,395.00			
ORRD-0105 119	19th Sideroad	Hodgson Avenue	Hodgson Avenue	Low Class Bituminous	440 54	Poor Condition	43	100	489		3276 Rural	Rehabilitation	\$160,524.00	\$49.00	Rehabilitation	\$39.00	\$127,764.00			
ORRD-0065 275	Rupke Road	Highway 9	End (Canal)	Low Class Bituminous			39	72	448	6.20	2778 Rural	Rehabilitation	\$108,342.00	\$39.00	Rehabilitation	\$46.00	\$127,788.00	2026		
ORRD-0158 123	Hodgson Avenue	William's Court	19th Sideroad	Low Class Bituminous	300 66		29	30	719			Resurface	\$187,863.00	\$39.00	Resurface		\$187,863.00			
ORRD-0002 120	19th Sideroad	End (Cul-de-Sac)	Hodgson Avenue	Low Class Bituminous		Satisfactory Condition			228	6.70	1528 Rural	Resurface	\$59,592.00	\$39.00	Resurface	\$39.00				
ORRD-0048 123	Hodgson Avenue	19th Sideroad	William's Court	Low Class Bituminous		Satisfactory Condition		20	264			Resurface	\$68,991.00	\$39.00	Resurface	\$39.00				
ORRD-0109 121	19th Sideroad	Hodgson Avenue	Weston Road	Low Class Bituminous	244 77	Satisfactory Condition	n 19	22	167			Resurface	\$32,565.00	\$39.00	Resurface	\$39.00	\$32,565.00			
KRRD-0148 1154	Station Road	Burton Grove	West Street	High Class Bituminous		Poor Condition		286				Rehabilitation Resurface	\$64,440.00	\$45.00	Rehabilitation		\$64,440.00	2024		
KRRD-0204 1156	Station Road	West Street	Burns Boulevard	High Class Bituminous	1462 68	Fair Condition		94		9.80	2783 Urban		\$111,320.00	\$40.00	Resurface		\$111,320.00		Structure 0016 (\$2,000)	
							Total	Length (km	2.738	-	Venu 2 (2025)	Total Cos	\$793,637.00	1	К	evised Total Cost	\$780,323.00	1		
KRRD-0043 0	Westgate Circle	Kingsworth Road	Westerte Reviewed	High Class Bituminous	004 51	Poor Condition	54	-	10		fear 3 (2025) 128 Rural	Rehabilitation	\$6.272.00	\$49.00	Rehabilitation	640.00	\$6.272.00	1 1		
KRRD-0043 0	Westgate Circle	Kingsworth Road	Westgate Boulevard			Fair Condition		- 1	58			Rehabilitation	\$22,736.00	\$49.00	Rehabilitation		\$22.736.00			
ORRD-0056 29	Westgate Circle 16th Sideroad	Kingscross Drive Jane Street	Kingsworth Road Highway 400 Overpass	High Class Bituminous High Class Bituminous	1145 62		46 45	117	983			Resurface	\$245,349.00	\$39.00	Rehabilitation	\$49.00	\$308,259.00			
KRRD-0080 0	Westgate Circle	Westgate Boulevard	Kingscross Drive	High Class Bituminous			37		54			Resurface	\$12.636.00	\$39.00	Resurface		\$12.636.00			
KRRD-0087 1140		Fork	End (Cul-de-Sac)	High Class Bituminous	167 60		30				1159 Semi-Urban	Resurface	\$45.201.00	\$39.00	Rehabilitation		\$53.314.00	1		
KRRD-0081 1138	Manitou Drive (South Cul-de-Sac)	Fork	End (Cul-de-Sac)	High Class Bituminous	167 64		27	14.7	159			Resurface	\$41,535.00	\$39.00	Rehabilitation	\$46.00	\$48,990.00			
ORRD-0118 0	Albion Vaughan Road	Old King Road	72m N. of Old King Road	High Class Bituminous	10467 77			-1	71			Resurface	\$9,660.00	\$20.00	Resurface	\$23.00	\$11,109.00		Structure 0003 (\$750)	
ORRD-0226 0	Albion Vaughan Road	340m N. of Queensgate Blvd.	Old King Rd.	High Class Bituminous		Satisfactory Condition	n 40	-1	852			Preventative Maintenance	\$37,320.00	\$6.00	Resurface		\$143,060.00			
KRRD-0077 1145	Kingsworth Road	Blueberry Lane	Watch Hill Road	High Class Bituminous	236 55	Fair Condition	37	57	454	6.60	2996 Semi-Urban	Rehabilitation	\$137,816.00	\$46.00	Rehabilitation	\$46.00	\$137,816.00			
KRRD-0018 1144	Kingscross Drive	Cranberry Lane	Snowberry Lane	High Class Bituminous	681 67		34	50	285	8.00	2280 Semi-Urban	Resurface	\$88,920.00	\$39.00	Rehabilitation		\$111,720.00	2028		
ORRD-0094 0	Albion Vaughan Road	72m N. of Old King Road	Caledon King Town Line South	High Class Bituminous	10467 84	Satisfactory Condition		7	175	6.00	1050 Urban	Preventative Maintenance	\$6,300.00	\$6.00	Resurface		\$24,150.00			
							Total	Length (km)	3.28			Total Cos	\$653,745.00		R	evised Total Cost	\$880,062.00			
											Year 4 (2026)									
ORRD-0128 307	Strawberry Lane	Keele Street	Aileen Avenue	High Class Bituminous		Poor Condition		104	1739			Rehabilitation	\$570,899.00	\$49.00	Rehabilitation		\$570,899.00			Cost to be shared with the adiacent
ORRD-0202 0	Caledon King Town Line South	Columbia Way	Mt. Pleasent Road	High Class Bituminous	3926 70	Satisfactory Condition	n 48	-1	240	7.30	1752 Rural	Resurface	\$40,296.00	\$23.00	Resurface	\$39.00	\$34,164.00			municipality (total cost \$40,296)
ORRD-0203 0	Caledon King Town Line South	Mt. Pleasent Road	12th Concession	High Class Bituminous	3926 74	Satisfactory Condition	41	-1	783	7.30	5716 Rural	Resurface	\$131,468.00	\$23.00	Resurface	\$39.00	\$111,462.00			Cost to be shared with the adjacent municipality (total cost \$131,468)
NRRD-0237 2026	Greenside Drive	King Road	35m N. of King Road	High Class Bituminous	2166 72	Satisfactory Condition		122	35	9.80	343 Urban	Resurface	\$6,860.00	\$20.00	Resurface	\$39.00				
NRRD-0141 2027	Greenside Drive	Noblewood Drive	Noblewood Drive	High Class Bituminous	2166 73	Satisfactory Condition	n 37	118	261	9.80	2558 Urban	Resurface	\$51,160.00	\$20.00	Resurface	\$39.00	\$99,762.00			
NRRD-0121 2027	Greenside Drive	35m N. of King Road	Noblewood Drive			Satisfactory Condition		114	40			Resurface	\$7,840.00	\$20.00	Resurface		\$15,288.00			
ORRD-0132	Showa Court	Highway 9	End (Cul-de-Sac)	High Class Bituminous	672 65	Fair Condition	36		67 :	26.00	1742 Rural	Resurface	\$67,938.00	\$39.00	Rehabilitation		\$85,358.00		Structure 0333 (\$3,000)	
							Total	Length (km	3.165			Total Cos	\$876,461.00		R	evised Total Cost	\$930,310.00			
ORRD-0025 33	16th Sideroad	8th Concession	Trainor Court	High Class Bituminous	442 51	Poor Condition	46	110	1306		Year 5 (2027) 8489 Rural	Rehabilitation	\$415.961.00	\$49.00	Rehabilitation	\$49.00	\$415.961.00	2025		
ORRD-0178 33	16th Sideroad	Trainer Court	Highway 27	High Class Bituminous			44		743			Rehabilitation	\$236,670,00	\$49.00	Rehabilitation		\$236,670,00		Structure 0305 (\$1 500)	
ORRD-0234 347	Bathurst Street	Queensville Sideroad West	Hochreiter Road	High Class Bituminous			45	117	1443			Resurface	\$365.820.00	\$39.00	Rehabilitation	\$49.00	\$459,620.00	2020	Oπ detaile 0000 (ψ1,000)	
ORRD-0224 211	8th Concession	King Road	15th Sideroad	Low Class Bituminous			45	105	2092	6.50	13598 Rural	Resurface	\$530,322.00	\$39.00	Rehabilitation		\$666 302 00	2024		
ORRD-0060 347	Bathurst Street	Hochreiter Road	King - Bradford Boundary	High Class Bituminous	1161 64	Fair Condition	42	110	576			Resurface	\$146,016.00	\$39.00	Rehabilitation	\$49.00	\$183,456.00			
*							Total	Length (km	6.16	•	,	Total Cos	\$1,694,789.00		R	evised Total Cost	\$1,962,009.00	i i		
											Year 6 (2028)									
KRRD-0053 1146	Watch Hill Road	Champlain Crescent	Kingsworth Road	High Class Bituminous				139			4844 Semi-Urban	Rehabilitation	\$237,356.00	\$49.00	Rehabilitation		\$237,356.00			
ORRD-0024 71	17th Sideroad	10th Concession	1.4km W. of 10th Concession					160				Resurface	\$288,351.00	\$23.00	Resurface		\$488,943.00			
ORRD-0157 71	17th Sideroad	1.4km W. of 10th Concession	11th Concession	Low Class Bituminous	2898 76	Satisfactory Condition				8.70	7299 Rural	Resurface	\$167,877.00	\$23.00	Resurface	\$39.00	\$284,661.00	2027		
							Total	Length (km	3.014	-	Year 7 (2029)	rotal Cos	\$693,584.00		R	evised Total Cost	\$1,010,960.00			
ORRD-0026 175	11th Concession	18th Sidernad	19th Sideroad	High Class Bituminous	1903 70	Satisfactory Condition	n 40	151	1967			Resurface	\$294,078.00	\$23.00	Rehabilitation	\$49.00	\$626,514.00			
ORRD-0151 175	11th Concession	18th Sideroad	18th Sideroad	High Class Bituminous	1903 71	Satisfactory Condition	1 39		71			Resurface	\$10,626,00	\$23.00	Rehabilitation		\$22,638,00			
ORRD-0096 265	Keele Street	19th Sideroad	Davis Drive West	High Class Bituminous	1922 71	Satisfactory Condition	1 39		2045			Resurface	\$315.123.00	\$23.00	Rehabilitation		\$671,349.00	1	Structure 0018 (\$8,000)	
SRRD-0015 3048	Western Avenue	Brownsville Court	Main Street	High Class Bituminous		Fair Condition		61				Resurface	\$166,960.00	\$40.00	Rehabilitation		\$204,526.00		Structure 0227 (\$2,000)	
SRRD-0014 3028	Western Avenue	Elmwood Avenue	Brownsville Court	High Class Bituminous			34		562			Resurface	\$191,080.00	\$40.00	Rehabilitation	\$49.00	\$234,073.00			
									5.136	•			\$977,867.00			evised Total Cost				
											Year 8 (2030)									
ORRD-0039 69	17th Sideroad	Highway 27	10th Concession	Low Class Bituminous	3000 77	Satisfactory Condition	34	177	2053	6.70	13755 Rural	Resurface	\$316,365.00	\$23.00	Rehabilitation	\$49.00	\$673,995.00			
			Westgate Circle	High Class Bituminous	681 71	Satisfactory Condition	n 30	44	231	8.00	1848 Semi-Urban	Resurface	\$40,656.00	\$22.00	Rehabilitation	\$49.00	\$90.552.00	2028		
KRRD-0079 1144	Kingscross Drive	Snowberry Lane	wesigate circle				Total	Length (km	2.284		Year 9 (2031)	Total Cos	\$357,021.00		R	evised Total Cost	\$764,547.00			
KRRD-0079 1144		Snowberry Lane	wesigate circle																	
	Kingscross Drive		•		T T															
ORRD-0268 173	Kingscross Drive	17th Sideroad	0.8km N. of 17th Sideroad			Satisfactory Condition		110	787	6.70	5273 Rural	Resurface	\$121,279.00	\$23.00	Rehabilitation		\$258,377.00		Ohio to 10004 (80 000) 8 004 (77 77)	
ORRD-0268 173 SRRD-0051 3052	Kingscross Drive  11th Concession  Main Street	17th Sideroad Cooper Drive	0.8km N. of 17th Sideroad Church Street	High Class Bituminous	3414 80	Satisfactory Condition	n 31	194	441	6.70	5273 Rural 4410 Urban	Preventative Maintenance	\$26,460.00	\$6.00	Resurface	\$23.00	\$101,430.00		Structure 0021 (\$2,000) & 224 (\$6,500)	
ORRD-0268 173 SRRD-0051 3052 PRRD-0013 4004	Kingscross Drive  11th Concession Main Street Archibald Road	17th Sideroad Cooper Drive Cook Drive	0.8km N. of 17th Sideroad Church Street Cutting Crescent	High Class Bituminous High Class Bituminous	3414 80 563 70	Satisfactory Condition Satisfactory Condition	n 31 n 30	194 39	441 169	6.70 10.00 8.50	5273 Rural 4410 Urban 1437 Urban	Preventative Maintenance Resurface	\$26,460.00 \$28,740.00	\$6.00 \$20.00	Resurface Rehabilitation	\$23.00 \$45.00	\$101,430.00 \$64,665.00		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
ORRD-0268 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341	Kingscross Drive  11th Concession  Main Street  Archibald Road  Graham Sideroad	17th Sideroad Cooper Drive Cook Drive Bathurst Street	0.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road	High Class Bituminous High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76	Satisfactory Condition Satisfactory Condition Satisfactory Condition	n 31 n 30 n 30	194 39 87	441 169 1568	6.70 10.00 8.50 7.20	5273 Rural 4410 Urban 1437 Urban 11290 Rural	Preventative Maintenance Resurface Resurface	\$26,460.00 \$28,740.00 \$259,670.00	\$6.00 \$20.00 \$23.00	Resurface Rehabilitation Rehabilitation	\$23.00 \$45.00 \$49.00	\$101,430.00 \$64,665.00 \$553,210.00		Structure 0021 (\$2,000) & 224 (\$8,500) Structure 0013	
ORRD-0268 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-0067 3056	Kingscross Drive  11th Concession  Main Street  Archibald Road  Graham Sideroad  Main Street	17th Sideroad Cooper Drive Cook Drive Bathurst Street Dr. Kay Drive	0.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road Western Avenue	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition	n 31 n 30 n 30 n 29	194 39 87 203	441 169 1568 152	6.70 10.00 8.50 7.20 10.00	5273 Rural 4410 Urban 1437 Urban 11290 Rural 1520 Urban	Preventative Maintenance Resurface Resurface Preventative Maintenance	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00	\$6.00 \$20.00 \$23.00 \$6.00	Resurface Rehabilitation Rehabilitation Resurface	\$23.00 \$45.00 \$49.00 \$23.00	\$101,430.00 \$64,665.00 \$553,210.00 \$34,960.00	2026	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
ORRD-0268 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341	Kingscross Drive  11th Concession  Main Street  Archibald Road  Graham Sideroad	17th Sideroad Cooper Drive Cook Drive Bathurst Street	0.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition	n 31 n 30 n 30 n 29 24	194 39 87 203 169.2	441 169 1568	6.70 10.00 8.50 7.20 10.00	5273 Rural 4410 Urban 1437 Urban 11290 Rural 1520 Urban 710 Urban	Preventative Maintenance Resurface Resurface	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00	\$6.00 \$20.00 \$23.00	Resurface Rehabilitation Rehabilitation	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00	\$101,430.00 \$64,665.00 \$553,210.00	2026 2026	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
ORRD-0268 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-0067 3056 SRRD-0013 3056 SRRD-0004 3056	Kingscross Drive  11th Concession Main Street Archibald Road Graham Sideroad Main Street Main Street Main Street	17th Sideroad Cooper Drive Cook Drive Bashurst Street Dr. Kay Drive Greco Ridge Lane Western Avenue	0.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition	1 31 1 30 1 30 1 29 24 22	194 39 87 203 169.2 157.9	441 169 1568 152 71 144	6.70 10.00 8.50 7.20 10.00 10.00	5273 Rural 4410 Urban 1437 Urban 11290 Rural 1520 Urban 710 Urban 1440 Urban	Preventative Maintenance Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$8,640.00	\$6.00 \$20.00 \$23.00 \$6.00 \$6.00	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00	\$101,430.00 \$64,665.00 \$553,210.00 \$34,960.00 \$16,330.00 \$33,120.00	2026 2026 2026	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
ORRD-0268 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-0067 3056 SRRD-0013 3056	Kingscross Drive  11th Concession  Main Street Archibald Road Graham Sideroad  Main Street  Main Street	17th Sideroad Cooper Drive Cook Drive Bathurst Street Dr. Kay Drive Greco Ridge Lane	0.8km N. of 17th Sideroad Church Street Cuting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue Greco Ridge Lane	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition	n 31 n 30 n 30 n 29 24 22 13	194 39 87 203 169.2 157.9	441 169 1568 152 71	6.70 10.00 8.50 7.20 10.00 10.00 10.00	5273 Rural 4410 Urban 1437 Urban 11290 Rural 1520 Urban 710 Urban 1440 Urban 1410 Urban	Preventative Maintenance Resurface Resurface Preventative Maintenance Preventative Maintenance	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$8,640.00 \$1,057.50	\$8.00 \$20.00 \$23.00 \$6.00	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00	\$101,430.00 \$64,665.00 \$553,210.00 \$34,960.00 \$16,330.00	2026 2026 2026 2026 2026	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
ORRD-0288 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-0067 3056 SRRD-0013 3056 SRRD-004 3056 SRRD-004 3056 SRRD-004 3056 SRRD-004 3056	Kingscross Drive  11th Concession Main Street Archibald Road Graham Sideroad Graham Sideroad Main Street Main Street Main Street Main Street Main Street Main Street Main Street	17th Sideroad Cooper Drive Cook Drive Bashurst Sheet Dr. Kay Drive Greco Ridge Lane Western Avenue Ben Boy Avenue Church Street	0.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue Greco Ridge Laine Dr. Kay Drive	High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Satisfactory Condition	n 31 n 30 n 30 n 29 24 22 13 n 25	194 39 87 203 169.2 157.9 -1	441 169 1568 152 71 144 141 484	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00	5273 Rural 4410 Urban 1437 Urban 11290 Rural 1520 Urban 710 Urban 1440 Urban 1410 Urban 4840 Urban	Preventative Maintenance Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Routine Maintenance Preventative Maintenance	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$8,640.00 \$1,057.50 \$29,040.00	\$6.00 \$20.00 \$23.00 \$6.00 \$6.00 \$0.75 \$6.00	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00	\$101,430.00 \$84,685.00 \$553,210.00 \$34,960.00 \$16,330.00 \$33,120.00 \$32,430.00 \$111,320.00	2026 2026 2026	Structure 0013	
ORRD-0288 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-0067 3056 SRRD-0013 3056 SRRD-004 3056 SRRD-004 3056 SRRD-004 3056 SRRD-004 3056	Kingscross Drive  11th Concession  Main Street Architadid Road Graham Sideroad  Main Street Main Street Main Street Main Street Main Street Main Street Main Street	17th Sideroad Cooper Orive Cook Drive Bathurst Street Dr. Kay Drive Greco Ridge Lane Western Avenue Ben Boy Avenue	0.8km N. of 17th Sideroad Church Street Cuting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue Greco Ridge Lane	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition	1 31 1 30 1 30 1 30 1 29 24 22 13 1 25	194 39 87 203 169.2 157.9 -1 156.6 -1	441 169 1568 152 71 144 141 484 236	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00	5273 Rural 4410 Urban 1437 Urban 11290 Rural 1520 Urban 710 Urban 1440 Urban 1410 Urban 4840 Urban	Preventative Maintenance Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Routine Maintenance Preventative Maintenance Preventative Maintenance	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$8,640.00 \$1,057.50 \$29,040.00	\$6.00 \$20.00 \$23.00 \$6.00 \$6.00 \$0.75	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00	\$101,430.00 \$64,665.00 \$553,210.00 \$34,960.00 \$16,330.00 \$33,120.00 \$32,430.00 \$111,320.00 \$54,280.00	2026 2026 2026 2026 2026 2026	Structure 0013	
ORRD.0288 173 SRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-007 3056 SRRD-007 3056 SRRD-0013 4056 SRRD-0045 3056 SRRD-0046 3056 SRRD-0046 0	Kingscross Drive  11th Concession Main Street Archbald Road Graham Sideroad Main Street Main Street Main Street Main Street Main Street Main Street Main Street Main Street	17th Sideraed Cooper Drive Cook Drive Bahust Sheel Dr. Kay Drive Grook Ridge Lane Western Avenue Ben Boy Avenue Church Street Highway 27	O.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue Greco Rigge Lane Dr. Kay Drive Cooper Drive	High Class Bituminous High Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84 3219 86	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Satisfactory Condition Good Condition Satisfactory Condition	n 31 n 30 n 30 n 29 24 22 13 n 25 21	194 39 87 203 169.2 157.9 -1 156.6 -1 Length (km	441 169 1568 152 71 144 141 484 236 4.193	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00 10.00	5273 Rural 4410 Urban 11437 Urban 11290 Rural 1520 Urban 1520 Urban 1440 Urban 1440 Urban 1440 Urban 1440 Urban 1450 Urban 14640 Urban	Preventative Maintenance Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Routine Maintenance Routine Maintenance Preventative Maintenance Treventative Maintenance Preventative	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$1,057.50 \$29,040.00 \$14,160.00 \$14,160.00	\$6.00 \$20.00 \$23.00 \$6.00 \$6.00 \$0.75 \$6.00 \$6.00	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00	\$101,430.00 \$64,665.00 \$553,210.00 \$34,960.00 \$16,330.00 \$33,120.00 \$32,430.00 \$111,320.00 \$54,280.00 \$14,260,122.00	2026 2026 2026 2026 2026 2026 2026	Structure 0013	
ORRD-0268 173 SRRD-0051 9052 PRRD-0051 4004 ORRD-0124 341 SRRD-0067 3056 SRRD-0064 3056 SRRD-0064 3056 SRRD-0064 3056 SRRD-0064 3056 SRRD-0065 0054 ORRD-0154 0054	Kingscross Drive  11th Concession  Main Street  Main Street  Graham Sidenad  Graham Sidenad  Main Street  Mai	17th Sideroad Cooper Drive Cook Drive Balturd Steed Dr. Key Drive Geor Ordge Laine Western Avenue Ben Boy Arebus Ben Boy Arebus Highway 27 17th Sideroad	0.8km N. of 17th Sideroad     Church Street     Cutting Crescent     Pumphous Road     Western Avenue     Highway B     Ben Boy Avenue     Cooper Drive     Cooper Drive	High Class Bituminous High Class Bituminous Ligh Class Bituminous Ligh Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84 3219 86	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Good Condition Satisfactory Condition Good Condition Satisfactory Condition Satisfactory Condition	n 31 n 30 n 30 n 29 24 22 13 n 25 21 Total	194 39 87 203 169.2 157.9 -1 156.6 -1 Length (km	441 169 1568 152 71 144 141 484 236 () 4.193	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00 10.00 10.00 10.00	5273 Rural 4410 Urban 1437 Urban 11230 Rural 11290 Rural 11290 Urban 11400 Urban 1440 Urban 1440 Urban 1440 Urban 1440 Urban 1440 Urban 1440 Urban 1410 Urban	Preventative Maintenance Resurface Resurface Reventative Maintenance Preventative Maintenance Resurface	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$8,640.00 \$1,057.50 \$29,040.00 \$14,160.00 \$502,426.50	\$6.00 \$20.00 \$23.00 \$6.00 \$6.00 \$0.75 \$6.00 \$6.00 \$0.75	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$24.00 \$24.00	\$101,430.00 \$64,685.00 \$553,210.00 \$34,980.00 \$16,330.00 \$32,430.00 \$111,320.00 \$54,280.00 \$1,260,122.00 \$6,223.00	2026 2026 2026 2026 2026 2026 2026	Structure 0013  Structure 0022 (\$1,000)	
ORRD-0288 173 SRRD-0051 3052 PRRD-0051 3052 PRRD-0013 4004 ORRD-0124 341 SRRD-0067 3056 SRRD-0007 3056 SRRD-0004 3056 SRRD-0004 3056 SRRD-0008 3054 SRRD-0008 3054 SRRD-0008 3054 SRRD-0008 3054 SRRD-0008 3054 SRRD-0018 217 ORRD-0184 217 ORRD-0189 217	Kingscross Drive  11th Concession Main Street Archibald Road Graham Sideroad Main Street	17th Siderroad Cooper Drive Cook Drive Cook Drive Cook Drive Greco Ridge Lane Western Avenue Ben Boy Avenue Churth Steet Highway 27 17th Siderroad 17th Siderroad 17th Siderroad	O.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue Greco Ridge Lane Dr. Kay Drive Cooper Drive 17th Sideroad 18th Sideroad	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous Low Class Bituminous Low Class Bituminous Low Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84 3219 86	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition	1 31 30 30 30 30 30 30 30 30 30 30 30 30 30	194 39 87 203 169.2 157.9 -1 156.6 -1 Length (km)	441 169 1588 152 71 144 141 484 236 19 19 1987	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	\$273 Rural 4410 Urban 1437 Urban 11390 Rural 11290 Rural 11290 Rural 11290 Urban 11400 Urban 1410 U	Preventative Maintenance Resurface Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Total Cos  Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance	\$26,460.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,260.00 \$1,057.50 \$29,040.00 \$14,160.00 \$502,426.50 \$2,794.00 \$53,252.00	\$6.00 \$23.00 \$23.00 \$6.00 \$6.00 \$0.75 \$6.00 \$6.00 \$22.00 \$4.00	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$24.00 \$49.00	\$101,430.00 \$64,665.00 \$553,210.00 \$16,330.00 \$33,120.00 \$32,430.00 \$111,320.00 \$54,280.00 \$1,260,122.00 \$62,337.00	2026 2026 2026 2026 2026 2026 2026 2029	Structure 0013	
ORRD-0268 173 SRRD-0051 9052 PRRD-0051 9052 PRRD-0013 404 ORRD-0124 904 SRRD-0007 3056 SRRD-0004 3056 SRRD-0004 3056 SRRD-0004 3056 SRRD-0041 0056 SRRD-0041 0056 ORRD-0194 217 ORRD-0194 217 ORRD-0194 217	Kingscross Drive  11th Concession  Main Street  Architekt Road  Architekt Road  Main Street  Mai	17th Edward Coase Drive Coase Drive Coase Drive Bashurd Street Dr. Key Drive Greco Ridge Lane Western Avenue Charles Street Highway 27 17th Edward 17th Edward 18th Siderand	O.Birm N. of 17th Sideroad Church Street Cuting Crescent Pumphose Road Vestern Avenue Highway 9 Ben Boy Avenue Gene Ridge Line Dr. Kay Dive Cooper Dive 17th Sideroad 18th Sideroad 18th Sideroad	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Liph Liph Liph Liph Liph Liph	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84 3219 86 660 73 145 83 666 98	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Good Condition Satisfactory Condition Good Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Satisfactory Condition Good Condition	1 31 1 30 1 30 1 30 1 29 24 22 13 1 25 21 Total	194 39 87 203 169.2 157.9 -1 156.6 -1 Length (km	441 169 1568 152 71 144 141 484 236 4.193	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	\$273 Rural 4410 Utban 1437 Utban 1439 Rural 11290 Rural 11290 Rural 11290 Rural 11400 Utban 11410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Tban 1410 Utban 1410 Rural 1410 Rural 1410 Rural 1410 Rural	Preventative Maintenance Resurface Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Total Cos Resurface Preventative Maintenance Resurface Preventative Maintenance Resurface Resurface Preventative Maintenance Resurface Resurf	\$26,480.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,280.00 \$1,057.50 \$29,040.00 \$1,460.00 \$502,426.50 \$27,794.00 \$53,252.00 \$3,000	\$6.00 \$20.00 \$3.00 \$6.00 \$6.00 \$6.00 \$6.00 \$6.00 \$6.00 \$4.00 \$0.75	Resurface Rehabilitation Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$249.00 \$49.00 \$49.00	\$101,430,00 \$84,685,00 \$34,960,00 \$16,330,00 \$33,120,00 \$33,120,00 \$111,320,00 \$4,280,00 \$1,260,122,00 \$652,337,00 \$8,8244,00	2026 2026 2026 2026 2026 2026 2026	Structure 0013  Structure 0022 (\$1,000)  Structure 0024 (\$8,000)	
ORRD-0268 173 SRRD-0051 3052 PRRD-0051 4004 ORRD-0134 4004 SRRD-0067 3056 SRRD-0007 3056 SRRD-0004 3056 SRRD-0004 3056 SRRD-0008 3054 SRRD-0008 3054 SRRD-0008 0054 SRRD-0008 2054 SRRD-0008 2054 SRRD-00	Kingscross Drive  11th Concession Main Street Archibald Road Graham Sideroad Main Street	17th Siderroad Cooper Drive Cook Drive Cook Drive Cook Drive Greco Ridge Lane Western Avenue Ben Boy Avenue Churth Steet Highway 27 17th Siderroad 17th Siderroad 17th Siderroad	O.8km N. of 17th Sideroad Church Street Cutting Crescent Pumphouse Road Western Avenue Highway 9 Ben Boy Avenue Greco Ridge Lane Dr. Kay Drive Cooper Drive 17th Sideroad 18th Sideroad	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous Low Class Bituminous Low Class Bituminous Low Class Bituminous	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84 3219 86 660 73 145 83 666 98	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition	1 31 1 30 1 30 1 30 1 29 24 22 1 13 1 25 21 Total	194 39 87 203 169.2 157.9 -1 156.6 -1 Length (km 47.7 15.6 -1 87	441 169 1568 152 71 144 141 484 236 4.193 19 1987 60 2012	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	\$273 Rural 4410 Utban 1437 Utban 1439 Rural 11290 Rural 11290 Rural 11290 Rural 11400 Utban 11410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Tban 1410 Utban 1410 Rural 1410 Rural 1410 Rural 1410 Rural	Preventative Maintenance Resurface Resurface Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Total Cos  Total Cos  Preventative Maintenance Preventative Maintenance Required Resurface Preventative Maintenance Required Resurface	\$26,480.00 \$28,740.00 \$29,670.00 \$9,120.00 \$4,280.00 \$1,057.50 \$29,040.00 \$14,160.00 \$502,426.50 \$2,794.00 \$3,252.00 \$3,000.00 \$3,10,040.00	\$6.00 \$23.00 \$23.00 \$6.00 \$6.00 \$0.75 \$6.00 \$6.00 \$22.00 \$4.00	Resurface Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Rehabilitation Rehabilitation Resurface Rehabilitation	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$49.00 \$49.00 \$49.00	\$10,430,00 \$64,665,00 \$553,210,00 \$34,960,00 \$16,330,00 \$31,20,00 \$32,430,00 \$111,320,00 \$11,260,122,00 \$62,237,00 \$62,337,00 \$682,337,00 \$682,337,00 \$682,520,00	2026 2026 2026 2026 2026 2026 2026 2029	Structure 0013  Structure 0022 (\$1,000)	
ORRD-0258 173 SRRD-0051 9052 PRRD-0051 9052 PRRD-0013 4041 SRRD-0067 3056 SRRD-0064 3056 SRRD-0064 3056 SRRD-0064 3056 SRRD-0064 3056 SRRD-0061 0066 ORRD-0158 217 ORRD-0159 217 ORRD-0159 217 ORRD-0159 217 ORRD-0159 217	Kingscross Drive  11th Concession  Main Street  Architekt Road  Architekt Road  Main Street  Mai	17th Edward Coase Drive Coase Drive Coase Drive Bashurd Street Dr. Key Drive Greco Ridge Lane Western Avenue Charles Street Highway 27 17th Edward 17th Edward 18th Siderand	O.Birm N. of 17th Sideroad Church Street Cuting Crescent Pumphose Road Vestern Avenue Highway 9 Ben Boy Avenue Gene Ridge Line Dr. Kay Dive Cooper Dive 17th Sideroad 18th Sideroad 18th Sideroad	High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Class Bituminous Liph Liph Liph Liph Liph Liph Liph Liph	3414 80 563 70 1522 76 3980 82 3980 85 3980 86 3980 92 3453 84 3219 86 660 73 145 83 666 98	Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Good Condition Good Condition Good Condition Satisfactory Condition Good Condition Satisfactory Condition Satisfactory Condition Satisfactory Condition Good Condition Satisfactory Condition Good Condition	1 31 1 30 1 30 1 30 1 29 24 22 1 13 1 25 21 Total	194 39 87 203 169.2 157.9 -1 156.6 -1 Length (km 47.7 15.6 -1 87	441 169 1568 152 71 144 141 484 236 4.193	6.70 10.00 8.50 7.20 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00	\$273 Rural 4410 Utban 1437 Utban 1439 Rural 11290 Rural 11290 Rural 11290 Rural 11400 Utban 11410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Utban 1410 Tban 1410 Utban 1410 Rural 1410 Rural 1410 Rural 1410 Rural	Preventative Maintenance Resurface Resurface Resurface Resurface Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Preventative Maintenance Total Cos  Total Cos  Preventative Maintenance Preventative Maintenance Required Resurface Preventative Maintenance Required Resurface	\$26,480.00 \$28,740.00 \$259,670.00 \$9,120.00 \$4,280.00 \$1,057.50 \$29,040.00 \$1,460.00 \$502,426.50 \$27,794.00 \$53,252.00 \$3,000	\$6.00 \$20.00 \$3.00 \$6.00 \$6.00 \$6.00 \$6.00 \$6.00 \$6.00 \$4.00 \$0.75	Resurface Rehabilitation Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Resurface Rehabilitation Rehabilitation Resurface Rehabilitation	\$23.00 \$45.00 \$49.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$23.00 \$249.00 \$49.00 \$49.00	\$10,430,00 \$64,665,00 \$553,210,00 \$34,960,00 \$16,330,00 \$31,20,00 \$32,430,00 \$111,320,00 \$11,260,122,00 \$62,237,00 \$62,337,00 \$682,337,00 \$682,337,00 \$682,520,00	2026 2026 2026 2026 2026 2026 2026 2029	Structure 0013  Structure 0022 (\$1,000)  Structure 0024 (\$8,000)	



Appendix H - Hardtop Road Preventive Maintenance Plan

Municipal ID	Name	Name From	Name To	Community	Surface Material	AADT PCI	PCI Class	Priority Rating (PR)	Road Length (m)	Road Width (m)	Surface Area (m²)	Roadside Environment	Improvement Type	Improvement Cost	2023 Benchmark Cost (\$/m²)
					20:			, , , , , ,	(,	(111)					
SRRD-0041	Main Street	Ben Boy Aveneue	Greco Ridge Lane	Schomberg	High Class Bituminous		Good Condition	13	141	10.00	1410	Urban	Crack Sealing (Routine Maintenance)	\$1,057.50	\$0.75
ORRD-0031	Pumphouse Road	Graham Sideroad	End (Canal)	King Twp. (Rural)	High Class Bituminous	1715 91	Good Condition	12	1438	6.50	9347	Rural	Crack Sealing (Routine Maintenance)	\$7,010.25	\$0.75
ORRD-0185	8th Concession	18th Sideroad	1.7km N. of 18th Sideroad	King Twp. (Rural)	High Class Bituminous	1293 90	Good Condition	12	1705	6.10	10400	Rural	Crack Sealing (Routine Maintenance)	\$7,800.37	\$0.75
SRRD-0060	Roselena Drive	Quaker House Lane	End (Cul-de-Sac)	Schomberg	High Class Bituminous	1441 90	Good Condition	12	225	8.50	1913	Urban	Crack Sealing (Routine Maintenance)	\$1,434.38	\$0.75
BRRD-0002	Kettleby Road	Lorne Avenue	Jane Street	Kettleby	High Class Bituminous		Good Condition	11	693	6.50	4505	Semi-Urban	Crack Sealing (Routine Maintenance)	\$3,378.38	\$0.75
KRRD-0022	Kingscross Drive	Carmichael Crescent	McKellar Lane	King City	High Class Bituminous	1303 91	Good Condition	11	136	6.70	911	Semi-Urban	Crack Sealing (Routine Maintenance)	\$683.40	\$0.75
KRRD-0054	Warren Road	Cadden Court	Alex Campbell Crescent	King City	High Class Bituminous	2210 92	Good Condition	11	69	8.20	566	Urban	Crack Sealing (Routine Maintenance)	\$424.35	\$0.75
ORRD-0086	Keele Street	Woodchoppers Lane	110m N. of Woodchoppers Lane	King Twp. (Rural)	High Class Bituminous	1609 91	Good Condition	11	107	8.00	856	Semi-Urban	Crack Sealing (Routine Maintenance)	\$642.00	\$0.75
ORRD-0266	Dufferin Street	630m N. of Miller's Sideroad	King Street	King Twp. (Rural)	High Class Bituminous	1833 92	Good Condition	11	995	6.90	6866	Rural	Crack Sealing (Routine Maintenance)	\$5,149.13	\$0.75
KRRD-0099	Kingscross Drive	Keri Court	Chelsea Lane	King City	High Class Bituminous	1303 92	Good Condition	10	172	6.70	1152	Semi-Urban	Crack Sealing (Routine Maintenance)	\$864.30	\$0.75
ORRD-0272	15th Sideroad	1.8km East of Weston Road	7th Concession	King Twp. (Rural)	High Class Bituminous	599 90	Good Condition	10	382	7.20	2750	Rural	Crack Sealing (Routine Maintenance)	\$2,062.80	\$0.75
ARRD-0005	King Street	Dufferin Street	King St. Fork	Ansnorvelt	High Class Bituminous	1104 92	Good Condition	9	234	6.10	1427	Rural	Crack Sealing (Routine Maintenance)	\$1,070.55	\$0.75
KRRD-0009	Patton Street	Hollingsworth Drive	Kingslynn Drive	King City	High Class Bituminous	1368 93	Good Condition	9	104	8.00	832	Urban	Crack Sealing (Routine Maintenance)	\$624.00	\$0.75
KRRD-0037	Bennet Drive	Banner Lane	Forde Crescent	King City	High Class Bituminous	307 90	Good Condition	9	90	7.00	630	Semi-Urban	Crack Sealing (Routine Maintenance)	\$472.50	\$0.75
KRRD-0083	Chuck Ormsby Crescent	Richard Serra Court	Ron Coles Lane	King City	High Class Bituminous	497 91	Good Condition	9	327	8.50	2780	Urban	Crack Sealing (Routine Maintenance)	\$2,084.63	\$0.75
KRRD-0108	Alex Campbell Crescent	Alex Campbell Crescent (Loop)	King Road	King City	High Class Bituminous	900 92	Good Condition	9	447	8.00	3576	Urban	Crack Sealing (Routine Maintenance)	\$2,682.00	\$0.75
KRRD-0129	Alex Campbell Crescent	King Road	Alex Campbell Crescent (Loop)	King City	High Class Bituminous	900 92	Good Condition	9	190	8.00	1520	Urban	Crack Sealing (Routine Maintenance)	\$1,140,00	\$0.75
NRRD-0113	Skyline Trail	Bluff Trail (Traffic Circle)	Aspen King Court	Nobleton	High Class Bituminous	466 91	Good Condition	9	104	8.00	832	Urban	Crack Sealing (Routine Maintenance)	\$624.00	\$0.75
NRRD-0127	Woodhill Avenue	Gilbert Fuller Drive	Hawthorne Valley Road	Nobleton	High Class Bituminous	1056 92	Good Condition	9	62	8.00	496	Urban	Crack Sealing (Routine Maintenance)	\$372.00	\$0.75
NRRD-0177	Parkheights Trail	Middlehead Trail	Kettle Valley Trail	Nobleton	High Class Bituminous	838 92	Good Condition	ă	145	11.00	1595	Urban	Crack Sealing (Routine Maintenance)	\$1.196.25	\$0.75
NRRD-0179	Parkheights Trail	Kettle Valley Trail	Blueberry Run Trail	Nobleton	High Class Bituminous		Good Condition	9	80	11.00	880	Urban	Crack Sealing (Routine Maintenance)	\$660.00	\$0.75
MICICID-0173	r arkinogrita rraii	rettie valley ITali	Bideberry (Vali Fraii	NODICION	riigir Olass Diturriirous	000 32		ength (km)		11.00	000	Olbali	Total Cost		ψ0.70
					20	25	TOTAL E	ingui (kiii)	7.040				Total Gost	\$41,432.77	1
NRRD-0233	Northcott Way	New Scotland Court	End (Cul-de-Sac)	Nobleton	High Class Bituminous		Good Condition	0	58	8.00	464	Urban	Crack Sealing (Routine Maintenance)	\$348.00	\$0.75
NRRD-0233 NRRD-0243	Wellar Avenue	Cross Avenue	90m N. of Cross Avenue	Nobleton	High Class Bituminous	343 90	Good Condition	9	58 87	8.00	696	Urban	Crack Sealing (Routine Maintenance)  Crack Sealing (Routine Maintenance)	\$522.00	\$0.75
ORRD-0059	Wellar Avenue Fairfield Drive	Cross Avenue  Eden Vale Drive	90m N. of Cross Avenue Eden Vale Drive					9	207	8.00	1656	Urban			
011110 0000	i dilliola Dilvo			King Twp. (Rural)	High Class Bituminous		Good Condition	9			1000		Crack Scaling (Routine Maintenance)	\$1,242.00	\$0.75
ORRD-0227	Dufferin Street	18th Sideroad	19th Sideroad	King Twp. (Rural)	High Class Bituminous	1510 93	Good Condition	9	2062	7.20	14846	Rural	Crack Sealing (Routine Maintenance)	\$11,134.80	\$0.75
SRRD-0030	Maynard Drive	Cutler Court	Moore Park Drive	Schomberg	High Class Bituminous	766 92	Good Condition	9	133	8.50	1131	Urban	Crack Sealing (Routine Maintenance)	\$847.88	\$0.75
SRRD-0037	Jessop Avenue	Cooper Drive	Cooper Drive	Schomberg	High Class Bituminous		Good Condition	9	273	8.50	2321	Urban	Crack Sealing (Routine Maintenance)	\$1,740.38	\$0.75
KRRD-0065	Carmichael Crescent	Keele Street	Curran Court	King City	High Class Bituminous	699 92	Good Condition	8	89	8.00	712	Urban	Crack Sealing (Routine Maintenance)	\$534.00	\$0.75
KRRD-0072	Kingslynn Drive	Patton Street	End (West)	King City	High Class Bituminous		Good Condition	8	165	6.50	1073	Semi-Urban	Crack Sealing (Routine Maintenance)	\$804.38	\$0.75
KRRD-0086	Patricia Drive	McBride Crescent	Elizabeth Grove	King City	High Class Bituminous	396 91	Good Condition	8	295	7.00	2065	Semi-Urban	Crack Sealing (Routine Maintenance)	\$1,548.75	\$0.75
KRRD-0132	Chuck Ormsby Crescent	Ron Coles Lane	Ron Coles Lane	King City	High Class Bituminous	497 92	Good Condition	8	353	8.00	2824	Urban	Crack Sealing (Routine Maintenance)	\$2,118.00	\$0.75
KRRD-0135	Findlay Avenue	Burns Boulevard	Dennis Drive	King City	High Class Bituminous	264 91	Good Condition	8	193	8.50	1641	Urban	Crack Sealing (Routine Maintenance)	\$1,230.38	\$0.75
KRRD-0150	Fisher Street	King Road	End (Cul-de-Sac)	King City	High Class Bituminous	286 91	Good Condition	8	201	8.00	1608	Urban	Crack Sealing (Routine Maintenance)	\$1,206.00	\$0.75
KRRD-0179	Humber Valley Crescent	East Humber Drive	East Humber Drive	King City	High Class Bituminous	603 92	Good Condition	8	618	8.00	4944	Urban	Crack Sealing (Routine Maintenance)	\$3,708.00	\$0.75
KRRD-0244	Warren Road	Patton Street	120m E. of Patton Street	King City	High Class Bituminous	827 93	Good Condition	8	121	7.30	883	Semi-Urban	Crack Sealing (Routine Maintenance)	\$662.48	\$0.75
NRRD-0013	Woodhill Avenue														
		Farmcrest Court	Gilbert Fuller Drive	Nobleton	High Class Bituminous	1056 93	Good Condition	8	130	8.00	1040	Urban	Crack Sealing (Routine Maintenance)	\$780.00	\$0.75
NRRD-0013	Parkheights Trail	Farmcrest Court Blueberry Run Trail	Gilbert Fuller Drive Parkheights Trail (Traffic Circle)	Nobleton Nobleton	High Class Bituminous High Class Bituminous		Good Condition Good Condition	8	130 67	8.00 11.00	1040 737	Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$780.00 \$552.75	\$0.75 \$0.75
						838 93		8 8 8					Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62	
NRRD-0168	Parkheights Trail	Blueberry Run Trail	Parkheights Trail (Traffic Circle)	Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94	Good Condition Good Condition	8 8 8 ength (km)	67 2045	11.00	737	Urban	Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62	\$0.75
NRRD-0168	Parkheights Trail	Blueberry Run Trail	Parkheights Trail (Traffic Circle)	Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94	Good Condition Good Condition	U	67 2045	11.00	737	Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62	\$0.75
NRRD-0168	Parkheights Trail	Blueberry Run Trail	Parkheights Trail (Traffic Circle)	Nobleton King Twp. (Rural)	High Class Bituminous High Class Bituminous	838 93 1526 94	Good Condition Good Condition	U	67 2045	11.00	737 17791	Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost	\$552.75 \$13,343.62	\$0.75
NRRD-0168 ORRD-0102	Parkheights Trail 11th Concession	Blueberry Run Trail 19th Sideroad	Parkheights Trail (Traffic Circle) Highway 9	Nobleton	High Class Bituminous High Class Bituminous 20 High Class Bituminous	838 93 1526 94 26 267 91	Good Condition Good Condition Total Le	U	67 2045 <b>7.097</b>	11.00 8.70	737	Urban Rural	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 <b>\$42,323.40</b>	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129	Parkheights Trail 11th Concession 18th Sideroad	Blueberry Run Trail 19th Sideroad  8th Concession	Parkheights Trail (Traffic Circle) Highway 9 Highway 27	Nobleton King Twp. (Rural) King Twp. (Rural)	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91	Good Condition Good Condition Total Le	ength (km)	67 2045 7.097	11.00 8.70 6.00	737 17791	Urban Rural	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50	\$0.75 \$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225.2 ORRD-0271	Parkheights Trail 11th Concession  18th Sideroad 10th Concession 8th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideroad Lloydtown/Aurora Road	Nobleton King Twp. (Rural)  King Twp. (Rural)  King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93	Good Condition  Good Condition  Total Le  Good Condition  Good Condition  Good Condition	ength (km)	2045 7.097 2037 1756 310	11.00 8.70 6.00 6.00 6.70	737 17791 12222 10536 2077	Urban Rural Rural Rural Rural	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 <b>\$42,323.40</b> \$9,166.50 \$7,902.00 \$1,557.75	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
ORRD-0129 ORRD-0225.2	Parkheights Trail 11th Concession  18th Sideroad 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural)	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93	Good Condition Good Condition Total Le Good Condition Good Condition	8 8 8	67 2045 7.097 2037 1756	11.00 8.70 6.00 6.00	737 17791 12222 10536	Urban Rural Rural Rural	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00	\$0.75 \$0.75 \$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 DRRD-0225.2 ORRD-0271 SRRD-0018	Parkheights Trail 11th Concession  18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlily Trail	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 17km N. of 18th Sideroad Sproule Street Mapleton Mills Drive	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Lloydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive	Nobleton King Twp. (Rural)  King Twp. (Rural)  King Twp. (Rural)  King Twp. (Rural)  King Twp. (Rural)  Schomberg	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91	Good Condition Good Condition Total Le Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	2045 7.097 2037 1756 310 180	11.00 8.70 6.00 6.00 6.70 9.00 8.60	737 17791 12222 10536 2077 1620 3982	Urban Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 <b>\$42,323.40</b> \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
ORRD-0168 ORRD-0102 ORRD-0129 ORRD-0225.2 ORRD-0271 SRRD-0018 SRRD-0033 NRRD-0160	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlly Trail	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideruora Road Liydydwn/Aurora Road Dr. Kay Drive Fairmont Ridge Trail (Traffic Circle) Fairmont Ridge Trail (Traffic Circle)	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Nobleton	High Class Bituminous High Class Bituminous  20  High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95	Good Condition Good Condition Total Le Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463 81	6.00 6.00 6.70 9.00 8.60 8.70	737 17791 17791 10536 2077 1620 3982 705	Rural Rural Rural Rural Rural Rural Urban Urban Urban	Crack Sealing (Routine Maintenance)  Crack Sealing (Routine Maintenance)  Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
ORRD-0168 ORRD-0102 ORRD-0129 ORRD-0225.2 ORRD-0271 SRRD-0018 SRRD-0033	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlijk Trail Fairmont Ridge Trail	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 17km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettle Valley Trail	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Lloydtown/Aurora Road Dr. Kay Orwe Mapleton Mils Drive Fairmont Ridge Trail (Traffic Circle) Highway 27	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Nobleton Nobleton	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91	Good Condition Good Condition Total Le Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463	11.00 8.70 6.00 6.00 6.70 9.00 8.60	737 17791 12222 10536 2077 1620 3982	Urban Rural Rural Rural Rural Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
ORRD-0168 ORRD-0102 ORRD-0129 ORRD-0225.2 ORRD-0271 SRRD-0018 SRRD-0033 NRRD-0160 NRRD-0181 ORRD-0014	Parkheights Trail 11th Concession 18th Sideroad 18th Sideroad 18th Concession Bit Concession Diltane Drive Waterity Trail Farmont Ridge Trail Farmont Ridge Trail Keele Street	Blueberry Run Trail  19th Sideroad  8th Concession 90m N. of 15th Sideroad 17km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettle Valley Trail Kettleby Road	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideroad Dr. Kay Drive Mapleton Mills Drive Faimont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Nobleton King Twp. (Rural)	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 2368 95	Good Condition Good Condition Total Le Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463 81 303 831	6.00 6.00 6.70 9.00 8.60 8.70 8.50 6.10	737 17791 12222 10536 2077 1620 3982 705 2576 5069	Rural Rural Rural Rural Rural Rural Urban Urban Urban Urban Urban Rural	Crack Sealing (Routine Maintenance) Track Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
ORRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. ORRD-0271 SRRD-0018 SRRD-0033 NRRD-0160 NRRD-0181	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlily Trail Fairmont Ridge Trail Keele Street Patton Street	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 17km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettle Valley Trail Kettle Vaded King Road King Road	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideroad Libydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Nobleton Nobleton	High Class Bituminous High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 2368 95	Good Condition Good Condition Total Le Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	2045 7.097 2037 1756 310 180 463 81 303	6.00 6.00 6.70 9.00 8.60 8.70 8.50	737 17791 17791 12222 10536 2077 1620 3982 705 2576	Rural Rural Rural Rural Rural Rural Urban Urban Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. ORRD-0271 SRRD-0038 NRRD-018 NRRD-0180 NRRD-0160 NRRD-0144 KRRD-0026 KRRD-0036	Parkheights Trail 11th Concession 18th Sideroad 18th Sideroad 18th Concession Bill Concession Dillane Drive Waterilly Trail Farmont Ridge Trail Farmont Ridge Trail Farmont Ridge Trail Farmont Ridge Trail Farmont Ridge Are	Blueberry Run Trail  19th Sideroad  8th Concession  90m N. of 15th Sideroad  17km N. of 18th Sideroad  Sproule Street  Mapeleon Mils Drive  Bighorn Trail  Kettle Valley Trail  Kettleby Road  King Road  Martin Street	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Siderora Road Livydtwn/Aurora Road Dr. Kay Drive Mayleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Nobleton Nobleton King Twp. (Rural) King City King City	High Class Bituminous  20 High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 2368 95 1368 94 326 92	Good Condition Total Le Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463 81 303 831 269 141	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 6.10 8.50	737 17791 12222 10536 2077 1620 3982 705 2576 2576 2152 1199	Rural Rural Rural Rural Rural Urban Urban Urban Urban Urban Rural Urban Semi-Urban	Crack Sealing (Routine Maintenance)  Crack Sealing (Routine Maintenance)  Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$898.88	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. ORRD-0271 SRRD-0038 NRRD-018 NRRD-0180 NRRD-0160 NRRD-0144 KRRD-0026 KRRD-0036	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlily Trail Fairmont Ridge Trail Keele Street Patton Street	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideroad Libydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Cul-de-Sac)	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Schomberg Nobleton Nobleton King Twp. (Rural) King City King City King City	High Class Bituminous  20 High Class Bituminous  Ligh Class Bituminous  High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1368 95 1368 94 3369 92 171 91	Good Condition Good Condition Total Li Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463 81 303 831 269	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 6.10 8.00 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392	Rural Rural Rural Rural Rural Rural Urban Urban Urban Urban Urban Urban Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$898.88 \$1,044.00	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
ORRD-0168 ORRD-0102  ORRD-0129 ORRD-0225. ORRD-02271 SRRD-0018 SRRD-0018 NRRD-0181 ORRD-01181 ORRD-0014 KRRD-0026 KRRD-0036 KRRD-0036 KRRD-0036 KRRD-0096	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 0th Concession Dilate Drivel Waterlijk Trail Fairmont Ridge Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Patton Street Metros Avenue Curran Court Warren Road	Blueberry Run Trail  19th Sideroad  8th Concession  90m N. of 15th Sideroad  17km N. of 15th Sideroad  Sproule Street  Maplelon Mils Drive  Bighorn Trail  Kettle Valley Trail  Kettleby Road  King Road  Marin Street  Carmichael Crescent  Patricia Drive	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideroa Albert Sideroa Albert Sideroa Albert Sideroa Albert Sideroa Albert Sideroa Albert Sideroa Albert Sideroa Albert Sideroa Hollingsworth Drive Charles Sireet End (Cul-de-Sac) Lavender Valley Road	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Nobleton Nobleton King City King City King City King City King City King City King City King City	High Class Bituminous  20 High Class Bituminous  20 High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 1293 93 1092 93 329 91 1837 95 1876 95 2368 95 1368 94 326 92 171 91	Good Condition Total Le Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463 81 303 831 269 141 174 151	6.00 6.00 6.70 9.00 8.60 8.70 8.50 6.10 8.50 8.50 8.50	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1284	Urban Rural Rural Rural Rural Rural Rural Urban Urban Urban Urban Urban Urban Urban Rural Urban Rural Urban Urban Rural Urban Urban Rural Urban Urban Urban	Crack Sealing (Routine Maintenance)  Crack Sealing (Routine Maintenance)  Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$22,86.35 \$28.52 \$1,931.63 \$3,801.82 \$1,614.00 \$898.88 \$1,044.00 \$962.63	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. SRD-0018 SRRD-0033 NRRD-0160 NRRD-0161 ORRD-0014 KRRD-0026 KRRD-0036 KRRD-0036	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlijk Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Patton Street Melrose Avenue Curran Court	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 5.7km N. of 16th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettle Valley Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pelatt Grove	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  Töth Sideroral Lioydtown/Jurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Schomberg Schomberg Nobleton Nobleton Nobleton King City King City King City King City King City King City King City King City King City King City King City King City King City	High Class Bituminous  20 High Class Bituminous  Ligh Class Bituminous  High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1368 95 1368 94 3369 92 171 91	Good Condition Good Condition Total Li Good Condition	8 8 8 8	2045 7.097 2037 1756 310 180 463 81 303 831 269 141 174	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 6.10 8.00 8.50 8.00	737 17791 12222 10536 2077 1620 1920 705 2576 506 5019 1199 1392 1284 502	Urban Rural Rural Rural Rural Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$898.88 \$1,044.00	\$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. ORRD-0271 SRRD-0018 SRRD-0033 NRRD-0160 NRRD-0161 KRRD-0026 KRRD-0036 KRRD-0096 KRRD-0096 KRRD-0096 KRRD-0116 KRRD-0116	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dilater Concession Dilater Trail Fairmont Ridge Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Pation Street Metrose Avenue Curran Court Warran Road McClure Drive Nicort Road	Blueberry Run Trail  19th Sideroad  8th Concession 90m N. of 15th Sideroad 17km N. of 15th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettle Valey Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Peliatt Grove Lilly Valley Crescent	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Lloydtown/Aurora Road Dr. Kay Drive Mapleton Mils Drive Fairmont Ridge Trail (Traffic Circle) Hollingsworth Drive Charles Street End (Cul-de-Sac) Lavender Jack Curtis Crescent Terry View Drive	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily	High Class Bituminous  20 High Class Bituminous  High Class Bituminous	838 93 1526 94 26 267 91 1293 93 1092 93 329 91 1837 95 1876 95 1368 94 326 92 171 91 827 94 168 91	Good Condition Total Le Good Condition	8 8 8 8	67 2045 7.097 2037 1756 310 180 463 81 303 831 269 174 174 151 59 53	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.00 8.50 8.50 8.50 8.50	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 502 424	Urban Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$28.62 \$1,931.63 \$3,801.82 \$1,941.00 \$998.88 \$1,044.00 \$376.13 \$376.13	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. ORRD-0271 SRRD-0018 SRRD-0018 SRRD-0160 NRRD-0161 ORRD-014 KRRD-0026 KRRD-0036 KRRD-0036 KRRD-0096 KRRD-0111 KRRD-0111 KRRD-0112 KRRD-0126 KRRD-0111 KRRD-0126 KRRD-0134	18th Sideroad 18th Sideroad 18th Concession 18	Blueberry Run Trail 19th Sideroad  8th Concession 90rn N. of 15th Sideroad 1.7km N. of 18th Sideroad 5.7km N. of 18th Sideroad Sproule Siteet Mapieton Mills Drive Bighorn Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Formal Formal Marin Sireet Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  Tibh Sideroad Lioydtow/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Circles Terry View Drive Richard Serra Court	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous High Class Bituminous 20 High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 2368 95 2368 95 2368 95 1368 94 1368 94 1368 94 1368 94 1468 91 934 94 1497 93	Good Condition  Good Condition	8 8 8 8	2037 7.097 2045 7.097 1756 310 180 463 81 303 831 289 141 174 151 59 53 416	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 502 424 3328	Urban Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13,343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$962.63 \$3,801.82 \$1,044.00 \$962.63 \$376.13 \$318.00	\$0.75 \$0.75
NRRD-0168 ORRD-0129 ORRD-0225, ORRD-0225, ORRD-0271 ORRD-0271 ORRD-0018 SRRD-0018 NRRD-0160 NRRD-0161 ORRD-0014 KRRD-0026 KRRD-0036 KRRD-0090 KRRD-0090 KRRD-0114 KRRD-0114 KRRD-0114	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dilland Drive Waterlijk Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Pation Street Pation Street Metrose Avenue Curran Court Warran Road McClure Drive Nicort Road Chuck Ormsby Crescent Elizabeth Grove	Blueberry Run Trail  19th Sideroad  8th Concession 90n N. of 15th Sideroad 17km N. of 15th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mils Drive Fairmont Ridge Trail (Traffic Circle Hollingsworth Drive Chantes Street End (Cul-de-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King City	High Class Bituminous  20 High Class Bituminous  High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 2368 95 1368 94 326 92 171 91 827 94 168 91 1934 94 497 93 900 94	Good Condition Good Condition Total Le Good Condition	8 8 8 8	2045 7.097 2045 7.097 2037 1756 310 180 463 81 303 831 269 141 174 151 59 53 416 213	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 424 3328	Urban Rural Rural Rural Rural Rural Urban Urban Urban Urban Rural Urban Urban Urban Rural Urban Urban Rural Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$628.52 \$1,931.63 \$3,801.82 \$1,044.00 \$982.63 \$376.13 \$318.00 \$376.13 \$318.00 \$2,496.00 \$1,118.25	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225: ORRD-0271 SRRD-0018 SRRD-0033 NRRD-0160 NRRD-0181 ORRD-0014 KRRD-0026 KRRD-0036 KRRD-0036 KRRD-0036 KRRD-0111 KRRD-0126 KRRD-0111 KRRD-0126 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0146 KRRD-0165	18th Sideroad 18th Sideroad 18th Concession 18	Blueberry Run Trail 19th Sideroad  8th Concession 90rn N. of 15th Sideroad 1.7km N. of 18th Sideroad 5.7km N. of 18th Sideroad 5.7km N. of 18th Sideroad Sproule Siteet Mapleton Mills Drive Bighorn Trail Kettle Valley Trail Kettle Valley Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curris Crescent	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  Tolh Siderord Lioydtow/Aurora Road Lioydtow/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Circle Terry View Drive Richard Serra Court McBride Crescent Aukland Lane	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous High Class Bituminous Light Class Bituminous Light Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 1368 94 326 92 171 91 827 94 168 91 930 94	Good Condition Good Condition	8 8 8 8	2037 7.097 2045 7.097 2037 1756 310 180 463 81 303 831 269 141 174 151 59 416 213 205	11.00 8.70 6.00 6.70 9.00 8.60 8.70 8.50 6.10 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 502 424 424 3328 1491 1640	Urban Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$268.52 \$1,931.63 \$3,801.82 \$1,614.00 \$998.88 \$1,044.00 \$996.63 \$3,18.00 \$2,966.03 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25	\$0.75 \$0.75
NRRD-0168 ORRD-0129 ORRD-0225, ORRD-0225, ORRD-0271 ORRD-0271 ORRD-0018 SRRD-0018 NRRD-0160 NRRD-0161 ORRD-0014 KRRD-0026 KRRD-0036 KRRD-0090 KRRD-0090 KRRD-0114 KRRD-0114 KRRD-0114	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dilland Drive Waterlijk Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Pation Street Pation Street Metrose Avenue Curran Court Warran Road McClure Drive Nicort Road Chuck Ormsby Crescent Elizabeth Grove	Blueberry Run Trail  19th Sideroad  8th Concession 90n N. of 15th Sideroad 17km N. of 15th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mils Drive Fairmont Ridge Trail (Traffic Circle Hollingsworth Drive Chantes Street End (Cul-de-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous  20 High Class Bituminous  High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 1368 94 326 92 171 91 827 94 168 91 930 94	Good Condition Good Condition Total Le Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	2037 7.097 2045 7.097 2037 1756 310 180 463 81 203 831 269 141 174 151 59 53 418 213 205 271	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 502 424 424 3328 1491 1640	Urban Rural Rural Rural Rural Rural Urban Urban Urban Urban Rural Urban Urban Urban Rural Urban Urban Rural Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$286.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$962.63 \$376.13 \$376.13 \$376.13 \$318.00 \$1,18.00	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225: ORRD-0271 SRRD-0018 SRRD-0033 NRRD-0160 NRRD-0181 ORRD-0014 KRRD-0026 KRRD-0036 KRRD-0036 KRRD-0036 KRRD-0111 KRRD-0126 KRRD-0111 KRRD-0126 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0146 KRRD-0165	18th Sideroad 18th Sideroad 18th Concession 18	Blueberry Run Trail 19th Sideroad  8th Concession 90rn N. of 15th Sideroad 1.7km N. of 18th Sideroad 5.7km N. of 18th Sideroad 5.7km N. of 18th Sideroad Sproule Siteet Mapleton Mills Drive Bighorn Trail Kettle Valley Trail Kettle Valley Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curris Crescent	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  Toth Sideroral Lioydtow/Aurora Road Lioydtow/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Circle Terry View Drive Richard Serra Court McBride Crescent Aukland Lane	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous High Class Bituminous Light Class Bituminous High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 3329 91 1837 95 1876 95 2368 95 1368 94 2368 94 4497 93 900 94 168 91 132 99 148 91 148 91	Good Condition Good Condition Total Le Good Condition	8 8 8 8	2037 7.097 2045 7.097 2037 1756 310 180 463 81 303 831 269 141 174 151 59 416 213 205	11.00 8.70 6.00 6.70 9.00 8.60 8.70 8.50 6.10 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 502 424 424 3328 1491 1640	Urban Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$268.52 \$1,931.63 \$3,801.82 \$1,614.00 \$998.88 \$1,044.00 \$996.63 \$3,18.00 \$2,966.03 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225. ORRD-0225. ORRD-0275. SRRD-0038 NRRD-0160 NRRD-0161 NRRD-0160 NRRD-016	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlijk Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Patton Street Melrose Avenue Curra Court Warren Road McClure Drive Nicort Road Chuck Trail Court Court Marten Road McClure Drive Nicort Road Chuck Cormsby Crescent Leic Road Hockure Drive McClure Drive Dennison Street	Blueberry Run Trail  19th Sideroad  8th Concession  90m N. of 15th Sideroad  17km N. of 15th Sideroad  7km N. of 15th Sideroad  Sproule Street  Mapleton Mills Drive  Bighorn Trail  Kettleby Road  King Road  Marin Street  Carmichael Crescent  Patricia Drive  Pellatt Grove  Lilly Valley Crescent  Ron Coles Lane  Keele Street  Curtis Crescent  Curtis Crescent  Curtis Crescent	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Cul-de-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBnde Crescent Aukland Lane East Humber Drive	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily	High Class Bituminous High Class Bituminous	838 93 1526 94 267 91 265 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 2368 95 3368 94 326 92 171 94 185 99 99 99 99 99 99 99 99 99 99 99 99 99	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	2037 7.097 2037 7.097 2037 1756 310 463 81 269 141 174 151 59 53 416 213 205 271 7.913	11.00 8.70 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.00 8.00 8.0	737 17791 12222 10536 2077 1620 3982 705 5069 2576 5069 1199 1392 1284 502 443 1284 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,168.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$982.83 \$1,614.00 \$982.83 \$3,801.82 \$1,614.00 \$982.83 \$1,1	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0120 ORRD-0120 ORRD-0271 SRRD-0018 SRRD-0018 SRRD-0160 NRRD-0160 NRRD-0160 NRRD-0160 KRRD-0160 KRRD-0174 KRRD-0126 KRRD-0172 KRRD-0172 KRRD-0174 KRRD-01772 KRRD-01772 KRRD-01772	18th Sideros 18th Sideros 11th Concession 11th Concession 11th Concession 10th	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 5.proule Street Mapleton Mils Drive Bighorn Trail Kettle Valey Trail Kettlety Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Currist Grescent G10m E. of Valleycrest Drive	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Lloydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (East)	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schormberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous Ligh Class Bituminous Ligh Class Bituminous High Class Bituminous	838 93 1526 94 266 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 2398 95 1368 94 2368 95 1368 94 227 94 168 91 934 94 168 91 132 90 27 93 138 91 138 91 138 91 138 91 138 91 138 91	Good Condition  Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	2037 7.097 2045 7.097 1756 310 180 463 81 303 831 269 141 174 151 59 53 416 213 205 271 7.913	6.00 6.00 6.70 6.00 8.70 8.60 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.00 8.00 8.0	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9.166.50 \$7.902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$898.88 \$1,044.00 \$962.63 \$3,180.00 \$1	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0225 . ORRD-0225 . ORRD-0225 . ORRD-0225 . ORRD-0235 . SRRD-0038 NRRD-0160 NRRD-0161 ORRD-0014 KRRD-0016 KRRD-0036 KRRD-0036 KRRD-0036 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0134 KRRD-0172 . KRRD-0172 . KRRD-0173 . KRRD-0173 . KRRD-0181 KRRD-0181 KRRD-0181	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Dillane Drive Waterlijk Trail Fairmont Ridge Trail Fairmont Ridge Trail Keele Street Patton Street Metrose Avenue Curra Court Warren Road McChure Drive Nicort Road Chuck Cormsby Crescent Liek Cormsby Crescent Liek Cormsby Crescent Dennison Street Dennison Street East Humber Drive Metrose Avenue	Blueberry Run Trail  19th Sideroad  8th Concession  90m N. of 15th Sideroad  17km N. of 15th Sideroad  7km N. of 15th Sideroad  Sproule Street  Mapleton Mills Drive  Bighorn Trail  Kettleby Road  King Road  Martin Street  Carmichael Crescent  Patricia Drive  Pallett Grove  Lilly Valley Crescent  Ron Coles Lane  Keele Street  Curtis Crescent  610m E. of Valleycrest Drive  Dennison Street  John Street  John Street	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Cul-de-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBnide Crescent Aukland Lane East Humber Drive  End (Cal-de-Sac) Lavender Valley Road Lavender Valley Road Lavender Valley Road Lavender Valley Road Lavender Lavender Charles Lavender Lavende	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King Cily	High Class Bituminous High Class Bituminous	838 93 1526 94 26 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 92 1368 94 326 92 177 94 188 91 138 94 93 93 94 93 95 95 96 97 97 94 168 91 132 99 133 94 132 94 133 94 133 94 133 94 133 94	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 31756 3180 463 81 303 81 269 1174 151 59 53 416 213 205 271 7.913	11.00 8.70 6.00 6.00 6.00 8.60 8.70 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 424 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$982.83 \$1,614.00 \$982.83 \$1,614.00 \$982.83 \$1,182.00 \$1,182.00 \$1,182.00 \$1,000.00 \$1,0	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0129 ORRD-0271 SRRD-018 SRRD-018 SRRD-0180 NRRD-0180 NRRD-0180 NRRD-0180 NRRD-0180 NRRD-0180 NRRD-0180 NRRD-0180 NRRD-0172 KRRD-0172 KRRD-0172 KRRD-0177 KRRD-0177 KRRD-0181 KRRD-0181 KRRD-0184 KRRD-0184 KRRD-0184 KRRD-0184 KRRD-0184	18th Siderosi 19th Concession 18th Siderosi 11th Concession 11th Concession 10th Concession 10	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettle Valey Trail Kettlety Road King Road Martin Street Carmichael Crescent Patricia Orive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Currist Grescent 610m E. of Valleycrest Drive  Dennison Street John Street Lims Lane	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac)  Hend (East) Martin Street End (Culde-Sac)	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schormberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous High Class Bituminous	388 93 138 138 93 138 138 93 138 138 93 138 138 93 138 138 138 138 138 138 138 138 138 13	Good Condition  Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 463 81 303 831 269 141 174 151 59 53 418 213 205 271 7.913	11.00 8.70 6.00 6.00 6.00 9.00 8.60 8.70 8.50 8.00 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1392 1284 502 424 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$628.52 \$1,931.63 \$3,801.82 \$1,931.63 \$3,801.82 \$1,944.00 \$986.86 \$1,044.00 \$986.86 \$1,182.00 \$1,182.00 \$1,182.00 \$1,182.00 \$2,986.30 \$3,986.80 \$1,182.00 \$3,986.80 \$1,182.00 \$3,986.80 \$1,182.00 \$1,182.00 \$1,040.00 \$1	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0126 ORRD-0275 ORRD-0275 ORRD-0275 SRRD-0038 NRRD-0181 KRRD-0160 NRRD-0161 KRRD-0160 KRRD-0036 KRRD-0036 KRRD-0036 KRRD-0176 KRRD-0181 KRRD-0181 KRRD-0181 KRRD-0190 KRRD-0190	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Bith Concession Dillaterity Concession Dillaterity Trail Farmont Ridge Trail Farmont Ridge Trail Fall Keele Street Patto Street Patto Street Patto Street Metrose Acoust Warren Road McCure Road McCure Road McCure Drive Nicott Road Chuck Creaby Crescent Elizabeth Grove McCure Drive Dennis Street Dennis Street Elizabeth Grove McCure Drive McCure Drive McCure Drive McCure Street Estabeth Grove McCure Street McGure Drive McCure Street Estabeth Grove McCure Street McGure Drive McGure Street Estabeth Grove McGure Street McGure	Blueberry Run Trail  19th Sideroad  8th Concession  90m N. of 15th Sideroad  17km N. of 15th Sideroad  Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road Marin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtis Crescent G10m E. of Valleycrest Drive  Dennison Street John Street Lame Carims Gate	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Lloydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Hollyway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curts Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber East Humber East Humber East Humber End (Culde-Sac) Eimers Lane	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily	High Class Bituminous High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 1368 95 13	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 483 81 303 881 141 174 151 59 53 416 213 205 271 7.91 97 147 129 265	11.00 8.70 6.00 6.00 6.00 8.70 9.00 8.60 8.70 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 2576 5069 2152 1199 1392 1252 424 424 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Rural Urban Rural	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$528.52 \$1,931.63 \$3,801.82 \$1,044.00 \$982.63 \$3,161.40 \$982.63 \$1,044.00 \$982.63 \$1,1230.00 \$1,118.25 \$1,1230.00 \$40,773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0129 ORRD-0129 ORRD-0271 SRRD-0188 SRRD-0188 SRRD-0188 SRRD-0180 KRRD-0160 KRRD-0160 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-01774 KRRD-01774 KRRD-0181 KRRD-0181 KRRD-0184	Parkheights Trail 11th Concession 11th Concession 11th Concession 11th Concession 10th Concess	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 5.proule Street Mapleton Mils Drive Bighorn Trail Kettlev Valey Trail Kettlev Proad King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Currist Grescent 610m E. of Valleycrest Drive  Dennison Street John Street Limers Lane Calmo Gate Collad Price (West Intersection)	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Livettown/Aurora Road Dr. Kay Drive Manghein Mils Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Lend (Culde-Sac) Elmer Sach Lend (Culde-Sac) Elmer Sach Collad Drive (East Intersection)	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous High Class Bituminous	838 93 158 94 158 158 158 158 158 158 158 158 158 158	Good Condition  Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 350 463 81 209 141 174 151 59 53 416 205 271 7.913	6.00 6.00 6.00 9.00 8.60 8.60 8.50 8.50 8.50 8.00 8.00 8.50 8.00 8.0	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 2159 1392 1194 1284 502 424 424 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9.166.50 \$7.902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$982.85 \$1,044.00 \$982.85 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$2,986.35 \$2,986.35 \$1,931.63 \$3,801.82 \$1,18.25 \$1,18.25 \$1,18.25 \$1,18.25 \$1,28.20	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0126 ORRD-0275 ORRD-0275 ORRD-0275 SRRD-0038 SRRD-0038 SRRD-0038 KRRD-0160 NRRD-0161 KRRD-0160 KRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0160 K	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 8th Concession Bith Concession Dillaterill Trail 11th Concession Bith Concession Dillaterill Trail Farmont Ridge Trail Far	Blueberry Run Trail  19th Sideroad  8th Concession  90m N. of 15th Sideroad  17km N. of 18th Sideroad  Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtis Crescent G10m E. of Valleycrest Drive  Dennison Street John Street Lilles Crescent G10m E. of Valleycrest Drive	Parkheights Trail (Traffic Circle) Highway 9  Highway 27 16th Sideroad Lloydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Mayer Trail (Traffic Circle) Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curts Crescont Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber East Humber East Humber East Humber East Humber Colled-Sac) End (Culde-Sac) Elmers Lane	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily	High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  1 High Class Bituminous  2 High Class Bituminous  2 High Class Bituminous  1 High Class Bituminous  2 High Class Bituminous  3 High Class Bituminous  4 High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 1368 95 13	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	2045 2045 2045 2045 7.097 2037 1756 310 180 463 81 303 831 141 174 151 59 53 418 213 205 271 7.913	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 2576 5069 2152 1199 1392 424 450 2168 776 1250 1268	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$528.52 \$1,931.63 \$3,801.82 \$1,044.00 \$982.63 \$318.00 \$318.00 \$2,496.00 \$1,182.50 \$1,233.00 \$1,626.00 \$40,773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0129 ORRD-0129 ORRD-0271 SRRD-0018 SRRD-0018 SRRD-0180 NRRD-0180 NRRD-0180 KRRD-0120 KRRD-0126 KRRD-0126 KRRD-0172 KRRD-0172 KRRD-0174 KRRD-01772 KRRD-0181 KRRD-0181 KRRD-0184	18th Sideroad 18th Sideroad 10th Concession 11th Concession 10th Concession 10	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettlety Road King Road King Road Martin Street Patricia Drive Pellati Grove Lilly Valley Crescent Ron Colles Lane Keele Street Curricity Crescent 610m E. of Valleycrest Drive  Dennison Street John Street John Street Calrid Drive Colled Drive Colled Drive Colled Drive Colled Colled Drive Colled C	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Auktand Lane East Humber Drive  End (Edast) Martin Street End (Culde-Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lane Sir Henry Court	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton Nobleton King Twp. (Rural) King City	High Class Bituminous High Class Bituminous	838 93 138 138 93 138 138 93 1	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 463 81 269 141 174 151 59 416 213 205 271 7.913 97 147 129 265 2699 247	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 5569 2152 705 5069 2152 1392 1392 1284 502 424 424 3328 1491 1640 2160 2176 2176 2176 2176 2176 2176 2176 2176	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$1,215.00 \$2,986.35 \$1,215.00 \$2,986.35 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$4,977.34 \$582.00 \$3,773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0126 ORRD-0275 ORRD-0275 ORRD-0275 SRRD-0038 SRRD-0038 NRRD-0160	18th Sideroad 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapieton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtin Crescent Gome E. of Valleycrest Drive  Dennison Street John Street John Street Carmichael Crescent Carmic Carle Carmic Carle Carmic Carle Carmic Carle Carmic Carle Lilly Valley Crescent Carlia Crescent Carlia Crescent Carlia Crescent Carlia Crescent Lilly Valley Crescent Carlia Crescent Carlia Crescent Lilly Valley Crescent Lilly Valley Crescent Lilly Crescent Lilly Crescent Lilly Carle Lilly Crescent Lilly Carle Lilly Crescent Lilly Carle	Parkheights Trail (Traffic Circle) Highway 27 16th Sideroad Libydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Myells (Proper Myells Circle) Terry View Drive Richard Serra Court McBridge Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Libyd Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Libyd Crescent McBridge Crescent McBridge Crescent Aukland Lane East Humber Drive  End (Culde-Sac) End (Culde-Sac) End (Culde-Sac) End (Culde-Sac) End (Culde-Sac) Sir Henry Court Sir Henry Court	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily K	High Class Bituminous  19	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1876 95 2368 95 1368 95 1368 95 1368 95 1376 92 171 91 187 95 187 94 168 91 132 90 27 103 90 90 94 168 91 132 90 27 103 90 90 94 168 95 17 99 188 95 188 95 189	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	2045 2045 2045 2045 2045 2045 2045 2037 1756 316 310 3831 3831 3831 213 53 483 213 213 213 213 213 214 174 1791 1791 1791 1791 1791 1791 179	6.00 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 5297 1392 1424 424 3328 1491 1640 2168 776 1250 1032 1444 1447 1447 1447 1447 1447 1447 144	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$2,966.35 \$2,96.35 \$2,96.35 \$1,931.63 \$3,801.82 \$1,614.00 \$992.63 \$3,61.82 \$1,614.00 \$992.63 \$1,182.50 \$1,	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0102 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0140 ORRD-0141 ORRD-0141 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0146 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0148 ORRD-0149 ORRD-0	18th Sideroad 10th Concession 11th Concession 11th Concession 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettlety Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Currist Grescent 610m E. of Valleycrest Drive  Dennison Street John Street Limers Lane Calmo Gate Collard Drive (West Intersection) Lake Marie Trail Lake Marie Trail Humber Crescent Wellington Street Wellington Street Humber Crescent	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Auktand Lane East Humber Drive  End (Edast) Martin Street End (Culde-Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lane Collard Drive (East Intersection) Elmers Lone Sir Humber Crescent All Collard Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lone Sir Humber Crescent Robinson Road	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton Nobleton King Twp. (Rural) King City Ki	High Class Bituminous High Class Bituminous	838 93 1838 93	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 310 180 463 81 81 303 831 147 151 59 53 416 213 7.913 7.913 7.913	11.00 8.70 6.00 6.70 9.00 8.70 9.00 8.70 8.00 8.50 8.00	737 17791 17292 10536 2077 1620 3982 705 2576 5069 2152 1199 2152 1284 2424 424 421 421 1640 2168 776 1250 1250 1250 1250 1250 1250 1250 1250	Rural Rural Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$12,15.00 \$2,986.35 \$1,215.00 \$2,986.35 \$1,614.00 \$986.85 \$1,614.00 \$986.85 \$1,614.00 \$982.85 \$1,614.00 \$982.85 \$1,614.00 \$1,182.00 \$1,1	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0120 ORRD-0225, ORRD-0225, ORRD-0225, ORRD-0225, ORRD-0218, SRRD-0018 SRRD-0018 SRRD-0018 KRRD-0160 KRRD-0160 KRRD-0160 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0174 KRRD-0181 KRRD-0	Parkheights Trail  18th Sideroad  10th Concession  10th Concession  10th Concession  Bith Concession  Dillater Concession  Dillater Concession  Dillater Drive  Waterilly Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Keele Street  Patton Street  Marcen Court  Waren Road  McCure Road  McCure Road  McCure Road  Chuck Creaby Crescent  Eitzabeth Grove  Eitzabeth Grove  Dennison Street  East Humber Drive  Methose Avenue  Sir Henry Court  15th Sideroad  Sort Crescent  Sir Henry Court  15th Sideroad  Sort Crescent  Eitzabeth Grove  East Humber Drive  Methose Avenue  Eits Avenue  Eits Avenue  Eits Avenue  Eits Avenue  Parkheights Trail	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 1.7km N. of 15th Sideroad Sproule Street Mapieton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtin Crescent Gome E. of Valleycrest Drive  Dennison Street John Street John Street Carmichael Crescent Carmichael Crescent Carmic Carle Carmic Carle Carmic Carle Carle Lilly Valley Crescent Carlis Crescent Carle College Carle Lilly Valley Crescent Carle Carle Carle Carle Lilly Crescent Lilly Crescent Carle Carle Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Wellington Street User Lilly Crescent Wellington Street Lilly Crescent Wellington Street	Parkheights Trail (Traffic Circle) Highway 27 16th Siderora Libydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideron Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideron Drive Charles Street End (Culde-Sac) Lavender View Drive Richard Serra Court McBridge Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Libyd Mills Sideron Libyd Mills Sideron McBridge Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Elimet Sideron Sideron Mills Sideron Sid	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton King Twp. (Rural) Schomberg Nobleton King Tip. (Rural) King Cily Nobleton Nobleton	High Class Bituminous  190 High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 1368 95 13	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 1756 310 180 310 180 463 81 303 831 174 151 59 53 416 213 205 271 7.917 7.917 127 147 1225 699 7 144 147 147 147 147 147 147 147 147 1	6.00 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.00 8.50 8.00 8.00 8.00 8.00 8.0	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 424 3328 1491 1640 2168 776 1250 1250 1392 424 424 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.43.62 \$42.323.40 \$9.166.50 \$7.902.00 \$1.557.75 \$1.215.00 \$2.966.35 \$52.852 \$1.931.63 \$3.801.82 \$1,614.00 \$992.63 \$318.00 \$2.966.35 \$318.00 \$2.967.73 \$318.00 \$31.626.00 \$40.773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0102 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0271 SRRD-0181 SRRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 KRRD-0182 KRRD-0192 KRRD-0192 KRRD-0195 KRRD-0196 KRRD-0196 KRRD-0196 KRRD-0197 KRRD-0197 KRRD-0198	18th Sideroad 10th Concession 11th Concession 11th Concession 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettlety Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Currist Grescent 610m E. of Valleycrest Drive  Dennison Street John Street Limers Lane Calmo Gate Collard Drive (West Intersection) Lake Marie Trail Lake Marie Trail Humber Crescent Wellington Street Wellington Street Humber Crescent	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Auktand Lane East Humber Drive  End (Edast) Martin Street End (Culde-Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lane Collard Drive (East Intersection) Elmers Lone Sir Humber Crescent All Collard Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lone Sir Humber Crescent Robinson Road	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King City K	High Class Bituminous High Class Bituminous	838 93 1838 93	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 310 180 463 81 81 303 831 147 151 159 53 416 213 205 277 147 295 205 277 147 159 505 271 147 147 159 505 505 505 505 505 506 507 507 507 507 507 507 507 507 507 507	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 6.10 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1284 502 424 424 421 1640 2168 776 1250 1250 1250 1250 1250 1250 1250 1250	Rural Rural Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$628.52 \$1,215.00 \$2,986.35 \$628.52 \$1,931.63 \$3,801.82 \$1,614.00 \$986.85 \$1,044.00 \$986.85 \$1,044.00 \$1,182.00 \$1,182.00 \$3,763.10 \$3,773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0102 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0140 ORRD-0141 ORRD-0141 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0145 ORRD-0146 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0147 ORRD-0148 ORRD-0149 ORRD-0	Parkheights Trail  18th Sideroad  10th Concession  10th Concession  10th Concession  Bith Concession  Dillater Concession  Dillater Concession  Dillater Drive  Waterilly Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Keele Street  Patton Street  Marcen Court  Waren Road  McCure Road  McCure Road  McCure Road  Chuck Creaby Crescent  Eitzabeth Grove  Eitzabeth Grove  Dennison Street  East Humber Drive  Methose Avenue  Sir Henry Court  15th Sideroad  Sort Crescent  Sir Henry Court  15th Sideroad  Sort Crescent  Eitzabeth Grove  East Humber Drive  Methose Avenue  Eits Avenue  Eits Avenue  Eits Avenue  Eits Avenue  Parkheights Trail	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 1.7km N. of 15th Sideroad Sproule Street Mapieton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtin Crescent Gome E. of Valleycrest Drive  Dennison Street John Street John Street Carmichael Crescent Carmichael Crescent Carmic Carle Carmic Carle Carmic Carle Carle Lilly Valley Crescent Carlis Crescent Carle College Carle Lilly Valley Crescent Carle Carle Carle Carle Lilly Crescent Lilly Crescent Carle Carle Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Lilly Crescent Wellington Street User Lilly Crescent Wellington Street Lilly Crescent Wellington Street	Parkheights Trail (Traffic Circle) Highway 27 16th Siderora Libydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideron Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideron Drive Charles Street End (Culde-Sac) Lavender View Drive Richard Serra Court McBridge Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Libyd Mills Sideron Libyd Mills Sideron McBridge Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Elimet Sideron Sideron Mills Sideron Sid	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily Nobleton Nobleton Nobleton	High Class Bituminous  190 High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 1368 95 13	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 1756 310 180 310 180 463 81 303 831 174 151 59 53 416 213 205 271 7.917 7.917 127 147 1225 699 7 144 147 147 147 147 147 147 147 147 1	6.00 6.00 6.00 6.70 9.00 8.60 8.70 8.50 8.00 8.50 8.00 8.00 8.00 8.00 8.0	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 424 3328 1491 1640 2168 776 1250 1250 1392 424 424 3328 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.43.62 \$42.323.40 \$9.166.50 \$7.902.00 \$1.557.75 \$1.215.00 \$2.966.35 \$52.852 \$1.931.63 \$3.801.82 \$1,614.00 \$992.63 \$318.00 \$2.966.35 \$318.00 \$2.967.73 \$318.00 \$31.626.00 \$40.773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102  ORRD-0102  ORRD-0129 ORRD-0129 ORRD-0271 SPRD-0271 SPRD-0275 SPRD-0018 SRRD-0181 SRRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 KRRD-0182 KRRD-0182 KRRD-0177 KRRD-0184 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0186 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0187 KRRD-0188 KRRD-0189 KRRD-0198 KRRD-0230 KRRD-0230 KRRD-0230 KRRD-0241 KRRD-0241	18th Sideroad 10th Concession 11th Concession 11th Concession 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettleby Road King Road King Road Martin Street Patricia Drive Pellati Grove Lilly Valley Crescent Ron Colles Lane Keele Street Curricity Crescent 610m E. of Valleycrest Drive  Dennison Street John Street Lines Cale Colled Drive Cale Lines Crescent Carric Crescent Carric Crescent 10th Crescent Lines Crescent Colled Drive (West Intersection) Lake Marie Trail Lake Marie Trail Humber Crescent Wellington Street Parkheights Trail (Traffic Circle)	Parkheights Trail (Traffic Circle) Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Auktand Lane East Humber Drive  End (Culde-Sac) Elmers Lane Collad Drive (East Intersection) Elmers Lane Collad Drive (East Intersection) Elmers Lane Collad Drive (East Intersection) Elmers Lone Sir Humber Crescent Robinson Road West Coast Trail Lynwood Crescent	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King City K	High Class Bituminous High Class Bituminous	838 93 1838 93	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 310 180 463 81 81 303 831 147 151 159 53 416 213 205 277 147 295 205 277 147 159 505 271 147 147 159 505 505 505 505 505 506 507 507 507 507 507 507 507 507 507 507	11.00 8.70 6.00 6.00 6.70 9.00 8.60 8.70 6.10 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1284 502 424 424 421 1640 2168 776 1250 1250 1250 1250 1250 1250 1250 1250	Rural Rural Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$628.52 \$1,215.00 \$2,986.35 \$628.52 \$1,931.63 \$3,801.82 \$1,614.00 \$986.85 \$1,044.00 \$986.85 \$1,044.00 \$1,182.00 \$1,182.00 \$3,763.10 \$3,773.45	\$0.75 \$0.75
NRRD-0168 ORRD-0102  ORRD-0102  ORRD-0102  ORRD-0129  ORRD-0129  ORRD-0129  ORRD-0271  SRRD-018  SRRD-018  SRRD-018  SRRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  KRRD-0182  KRRD-0192  KRRD-0177  KRRD-0177  KRRD-0181  KRRD-0187	Parkheights Trail  18th Sideroad  10th Concession  10th Concession  10th Concession  Bith Concession  Dillane Drive  Waterlijk Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Fairmont Ridge Trail  Keele Street  Paton Street  Metrose Avenue  Waren Robre  Microt Road  Chuck Drive  Microt Road  Chuck Drive  Dennison Street  Eitzabeth Grove  McClure Drive  Dennison Street  East Humber Drive  Metrose Avenue  Sir Henry Court  15th Sideroad  Soit Herry Court  15th Sideroad  Soit Herry Court  Hambly Laneu  Eillis Avenue  Eillis Avenue  Eillis Avenue  Eillis Avenue	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 1.7km N. of 16th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtin Crescent Gome Trail Curtin Crescent Gome Trail Lake Martin Street John Street John Street Carmichael Crescent Curtin Crescent Curtin Crescent Collad Crescent Curtin Crescent Curtin Crescent Curtin Crescent Curtin Crescent Curtin Crescent Unit Crescent Curtin Crescent Unit Crescent Unit Crescent Vellenton Street John Street John Street Lines Lane Calmra Gate	Parkheights Trail (Traffic Circle) Highway 9 Highway 27 16th Sideroad Lloydtown/arora Road Dr. Kay Orive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingway 27 19th Sideroad Hollingway 27 19th Sideroad Hollingworth Drive Charles Street End (Cul-de-Sac) Lavender Valley Road Curtis Gerace Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Cul-de-Sac) Emerical East Humber Drive  End (Cul-de-Sac) Sidero Sidero Sidero Sidero Sidero McBride Crescent Aukland Lane East Humber Drive  End (Cul-de-Sac) Elmers Lane Collad Drive (East Intersection) Sir Henry Cort Sidero Sidero Sir Henry Cort Som S. of Henry Cort Som S. of Henry Cort Som S. of Henry Cort Som S. of Henry Cort Scent Lynwood Crescent Faris Avenue	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton Nobleton King Twp. (Rural) King Cily Nobleton Nobleton Nobleton	High Class Bituminous High Class Bituminous	838 93 1838 93	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 1756 310 180 310 180 463 81 303 831 174 151 59 53 416 213 205 271 7.917 7.917 127 225 699 7144 127 128 129 149 149 149 149 149 149 149 149 149 14	11.000 8.70 6.00 6.00 6.00 8.60 8.70 8.60 8.70 8.50 8.50 8.50 8.50 8.00	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 424 3328 1491 1640 2168 776 1250 1032 1491 1640 2168	Urban Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9.166.50 \$7.902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$528.52 \$1,931.63 \$3,801.82 \$1,614.00 \$992.63 \$3,801.82 \$1,614.00 \$992.63 \$3,18.00 \$1,18.25 \$3,18.00 \$1,18.25 \$3,18.00 \$1,18.25 \$3,18.00 \$1,18.25 \$3,18.00 \$1,18.25 \$3,18.00 \$1,18.25 \$3,18.00 \$1,18.25 \$1,28.00 \$1,18.25 \$1,28.00 \$1,391.25 \$3,355.20 \$1,391.25 \$3,355.20 \$1,391.25 \$3,355.20 \$1,391.25 \$3,355.20 \$1,391.25 \$3,355.20 \$1,391.25 \$1,390.00 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25 \$1,391.25	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0102 ORRD-0129 ORRD-0129 ORRD-0271 SRRD-0271 SRRD-0181 SRRD-0181 SRRD-0181 ORRD-0181 KRRD-0181 KRRD-0183 KRRD-0184 KRRD-0184 KRRD-0185 KRRD-0186 KRRD-0186 KRRD-0186 KRRD-0186 KRRD-0186 KRRD-0186 KRRD-0186 KRRD-0186 KRRD-0187 KRRD-0187 KRRD-0181 KRRD-0031 KRRD-0031	Parkheights Trail  18th Sideroad  10th Concession  10th C	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighom Trail Kettlety Road King Road King Road Martin Street Patrical Drive Pellati Corve Lilly Valley Crescent Ron Colles Lane Keele Street Currichter Street Grint Greschet Farm Colles Lane Colles Drive Dennison Street John Street John Street Lines Cale Colled Drive Colled Drive (West Intersection) Lake Marie Trail Lake Marie Trail Humber Crescent Wellington Street Parkheights Trail (Traffic Circle) Parkheights Trail (Traffic Circle) Ring Road Robinson Road Westbrooke Boulevard	Parkheights Trail (Traffic Circle) Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapheton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapheton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Auktand Lane East Humber Drive  End (East) Martin Street End (Culde-Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lane Collard Drive (East Intersection) Elmers Lone Sign Humber Crescent Robinson Crescent Faris Avenue Skyline Trail	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schornberg Nobleton	High Class Bituminous  19 High Class Bituminous	838 93 138 138 138 138 138 138 138 138 138 13	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2045 7.097 1756 310 180 310 180 463 81 81 303 831 147 151 59 53 416 213 205 277 147 147 129 265 505 501 314 144 144 141 114	6.00 6.00 6.70 8.70 8.60 8.60 8.70 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 17292 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 424 3328 1491 1640 2168 776 1250 1250 1250 1250 1250 1250 1250 1250	Urban Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost Total Cost Crack Sealing (Routine Maintenance) Crack Se	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$9,166.50 \$7,902.00 \$1,557.75 \$1,188.00 \$20,01.75 \$1,188.00 \$20,01.75 \$1,188.00 \$20,01.75 \$1,188.00 \$20,01.75 \$1,188.00 \$20,01.75 \$1,188.00	\$0.75 \$0.75
NRRD-0168 ORRD-0102  ORRD-0102  ORRD-0102  ORRD-0129  ORRD-0129  ORRD-0271  SPRD-0271  SPRD-028  SPRD-0018  SRRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  KRRD-0181  KRRD-0195  KRRD-0195  KRRD-0196  KRRD-0230  KRRD-0230  KRRD-0230  KRRD-0230  KRRD-0231  KRRD-00110  NRRD-00021	18th Sideroad 18th Sideroad 18th Concession 11th Concession 11th Concession 18th Concession 18	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettlety Road King Road Martin Street Patricia Drive Pellati Grove Lilly Valley Crescent Ron Colles Lane Keele Street Currician Colles Lane Keele Street Currician Colles Lane Colles Drive Pellati Grove Lilly Valley Crescent 610m E. of Valleycrest Drive  Dennison Street John Street John Street Limers Lane Collard Drive (West Intersection) Lake Marie Trail Lake Marie Trail Humber Crescent Wellington Street Parkheights Trail (Traffic Circle) Robinson Road Westbrooke Boulevard Westbrooke Boulevard Westbrooke Boulevard James Bowman Court	Parkheights Trail (Traffic Circle) Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Auktand Lane East Humber Drive  End (East) Martin Street End (Culde-Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lane Collard Drive (East Intersection) Elmers Lone Sir Humber Crescent Robinson Crescent Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Fariy Electric Circle) Parkheights Trail (Traffic Circle)	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schornberg Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 1756 310 180 310 180 463 81 303 831 147 151 59 53 46 213 205 277 147 129 205 217 217 217 217 217 217 217 217 217 217	8.00 8.00 8.50 8.50 8.50 8.50 8.50 8.50	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1284 2424 424 425 1640 2168 776 1250 1032 1491 1640 2168 776 1250 1032 1855 4474 1976 1976 1976 1976 1976 1976 1976 1976	Rural Rural Rural Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$12,215.00 \$2,986.35 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$4,977.84 \$582.00 \$3,976.30 \$3,180.00 \$1,182.50 \$4,977.3.45 \$582.00 \$397.13 \$774.00 \$1,391.25 \$1,891.00 \$2,496.00 \$1,189.00 \$2,200.00 \$1,189.00 \$2,200.00 \$2,200.00 \$2,200.00 \$2,200.00 \$2,200.00 \$2,200.00 \$2,200.00 \$2,200.00 \$2,200.00 \$3,300.00 \$2,200.00 \$3,300.00	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0271 SRRD-0271 SRRD-0271 SRRD-0181 SRRD-0181 SRRD-0181 KRRD-0160 NRRD-0181 KRRD-0190 KRRD-0191	Parkheights Trail 11th Concession 18th Sideroad 10th Concession 10th Concessio	Blueberry Run Trail 19th Sideroad  8th Concession 90m N of 15th Sideroad 1.7km N of 15th Sideroad 1.7km N of 15th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettleby Road King Road Martin Street Carmichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Currichael Crescent Fatricia Drive Currichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Gone Gone Gone Gone Gone Gone Collett Greecent Gone Collett Greecent Gone Collett Greecent Units Crescent Curris Crescent Gone Collett Greecent Gone Collett Greecent Units Crescent Gone Collett Greecent Gone Collett Greecent Units Crescent Gone Collett Greecent Gone Collett Greecent Gone Collett Greecent Gone Gone Gone Gone Gone Gone Gone Gone	Parkheights Trail (Traffic Circle) Highway 9 Highway 9 Highway 27 16th Sideroad Livydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Livy New Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Einers Lane Collo Drive (East Intersection) Einers Lane Sir Henry Court Som S of Henry Court Robinson Road West Coast Trail Lymood Crescent Farial Crescent Skyline Trail Purpe Court Parkheights Trail (Traffic Circle) Anderson Cove Trail	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton King Twp. (Rural) Schomberg Nobleton King Tip. (Rural) King Cily Nobleton Nobleton Nobleton Nobleton Nobleton Nobleton Nobleton Nobleton Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 1837 95 1837 95 1837 95 1837 95 1837 95 1837 95 1838 94 1948 94 1958 95 1958 95	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 463 81 303 831 174 151 59 53 416 213 205 271 7.91 7.91 147 125 699 144 147 125 699 144 147 147 147 147 147 147 147	6.00 6.00 6.00 6.00 9.00 8.60 8.60 8.50 8.50 8.50 8.50 8.00 8.50 8.00 8.50 8.00 8.50 8.00 8.50 8.00 8.50 8.00 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 424 3328 1491 1640 2168 776 1250 1250 1250 1250 1250 1250 1250 1250	Urban Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.43.62 \$42,323.40 \$9.166.50 \$7.902.00 \$1.557.75 \$12.15.00 \$1.557.75 \$1.215.00 \$2.966.35 \$2.86.35 \$2.86.35 \$2.86.35 \$3.801.82 \$1.931.63 \$3.801.82 \$1.944.00 \$962.63 \$318.00 \$2.496.00 \$1.18.25 \$318.00 \$2.496.00 \$1.18.25 \$318.00 \$2.497.34 \$318.00 \$1.391.25 \$1.293.00 \$1.393.25 \$1.393.25 \$1.393.25 \$1.393.25 \$1.393.25 \$1.393.25 \$1.393.25 \$1.393.25 \$1.391.25 \$1	\$0.75 \$0.75
NRRD-0168 ORRD-0102  ORRD-0102  ORRD-0102  ORRD-0129  ORRD-0129  ORRD-0129  ORRD-0271  SRRD-0181  SRRD-0181  ORRD-0271  SRRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  ORRD-0181  KRRD-0182  KRRD-0182  KRRD-0172  KRRD-0173  KRRD-0181	18th Sideroad 10th Concession 11th Concession 11th Concession 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighom Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Fescent Patricia Drive Petalt Grove Lilly Valley Crescent Ron Colles Lane Keele Street Curris Crescent 610m E. of Valleycrest Drive  Dennison Street John Street John Street Limers Lane Calmo Gate Collard Drive (West Intersection) Lake Manle Trail Humber Crescent Wellington Street Parkheights Trail (Traffic Circle) Robinson Road Westbrooke Boulevard WestDrooke Boulevard WestCoast Trail Huntington Road	Parkheights Trail (Traffic Circle) Highway 9  Highway 9  16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27  19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Elmers Lane Collard Drive (East Intersection) Elmers Lane Collard Drive (East Intersection) Elmers Lane Side Humber Crescent Robinson Cover Trail Lynwood Crescent Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Avenue Fariy Road King Road King Road	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schornberg Nobleton	High Class Bituminous High Class Bituminous	838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 93 1838 94 1838 94 1838 94 1858 93 1868 93	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 311 180 463 81 303 831 174 151 59 53 205 271 172 129 265 699 247 315 50 314 314 314 141 161 96 911 1574	6.00 6.00 6.00 6.70 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 2152 1284 2276 1392 1284 2168 1491 1640 2168 776 1250 1032 1855 4274 1976 1976 1976 1976 1976 1976 1976 1976	Urban Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance) Crack Sealing (Rou	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$1,215.00 \$2,986.35 \$1,215.00 \$2,986.35 \$1,215.00 \$3,801.82 \$1,931.63 \$3,801.82 \$1,614.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$696.88 \$1,044.00 \$1,030.88 \$1,030.00	\$0.75 \$0.75
NRRD-0168 ORRD-0102 ORRD-0102 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0271 SRRD-0271 SRRD-0271 SRRD-0181 SRRD-0160 NRRD-0160 NRRD-0160 NRRD-0171 KRRD-0160 KRRD-0171 KRRD-0171 KRRD-0171 KRRD-0172 KRRD-0177 KRRD-0177 KRRD-0177 KRRD-0177 KRRD-0177 KRRD-0181 KRRD-0	Parkheights Trail 11th Concession 18th Sideroad 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 1.7km N. of 15th Sideroad 5.7km N. of 15th Sideroad 5.7km N. of 15th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Ferrichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtis Crescent 610m E. of Valleycrest Drive  Dennison Street John Street John Street Limes Lane Caims Gate Colard Drive (West intersection) Lake Marte Trail Lake Marte Trail Humber Crescent Wellington Street Wellington Street Westbrooke Boulevard James Bowman Court West Coast Trail Huntington Road O.55km East of Weston Road	Parkheights Trail (Traffic Circle) Highway 9 Highway 9 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Mayer Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Lienet Lane Einet (East) Martin Street End (Culde-Sac) Ellinets Lane Sir Henry Court Sir Henry Court Sir Henry Court Sir Henry Court Robinson Road West Coast Trail Lymvood Crescent Faris Avenue Skipler Trail Parkeights Trail (Traffic Circle) Anderson Cove Trail King Road 1.8m East of Weston Road	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schomberg Nobleton King Twp. (Rural) Schomberg Nobleton King Twp. (Rural) King Cily Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94 267 91 265 91 1293 93 1092 93 329 91 1837 95 1837 95 1837 95 1837 95 1837 95 1837 95 1837 95 1837 95 1838 94 1948 94 1958 95 1958 95	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 1756 310 180 463 81 81 303 831 121 59 141 174 151 59 205 205 271 147 7.91 205 699 247 315 50 314 417 417 417 418 518 518 518 518 518 518 518 518 518 5	6.00 6.00 6.00 6.00 9.00 8.60 8.60 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 502 424 424 3328 1491 1640 2168 776 1250 1032 424 1491 1640 2168 1056 1056 1056 1056 1056 1056 1056 1056	Urban Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9.166.50 \$7.902.00 \$1.557.75 \$1.215.00 \$1.557.75 \$1.215.00 \$2.966.35 \$2.968.35 \$2.86.35 \$2.86.25 \$1.931.63 \$3.801.82 \$1.944.00 \$962.63 \$3.801.82	\$0.75 \$0.75
NRRD-0168 ORRD-0102  ORRD-0102  ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0120 ORRD-0271 SRRD-0271 SRRD-0181 ORRD-0271 SRRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 ORRD-0181 KRRD-0187 KRRD-0188 KRRD-0188 KRRD-0189 KRRD-0198 KRRD-0198 KRRD-0198 KRRD-0199 KRRD-0198 KRRD-0198 KRRD-0198 KRRD-0198 KRRD-0199 KRRD	18th Sideroad 10th Concession 11th Concession 11th Concession 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad 1.7km N. of 18th Sideroad Sproule Street Mapleton Mills Drive Bighorn Trail Kettlety Road King Road King Road Martin Street Patricia Drive Pellati Grove Lilly Valley Crescent Ron Colles Lane Keele Street Curriciated Crescent 1.8th Valley Crescent Ron Colles Lane Keele Street Curris Crescent 610m E. of Valleycrest Drive  Dennison Street John Street John Street Liners Lane Calma Drive (West Intersection) Lake Marie Trail Lake Marie Trail Humber Crescent Wellington Street Parkheights Trail (Traffic Circle) Robinson Road Westbrooke Boulevard WestDrooke Boulevard WestCoast Trail Huntington Road 0.53km East of Weston Road	Parkheights Trail (Traffic Circle) Highway 27 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Highway 27 19th Sideroad Hollingsworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curlis Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Elmers Lane Collad Drive (East Intersection) Elmers Lane Collad Drive (East Intersection) Elmers Lane Sir Humber Crescent Aukland Lane End (Culde-Sac) Elmers Lane Collad Drive (East Intersection) Elmers Lane Sir Humber Crescent Fariy Avernue Sir Hohnood Crescent Fariy Avernue Fariy Avernue Fariy Avernue Fariy Avernue Parkheights Trail (Traffic Circle) Anderson Cove Trail King Road 1.8km East of Weston Road Nordiffe Drive	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schornberg Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94 28 28 28 28 28 28 28 28 28 28 28 28 28	Good Condition Good C	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 1756 310 180 310 180 463 81 303 831 174 151 59 53 416 213 205 271 174 159 59 277 147 295 295 297 147 149 205 205 217 149 217 217 217 217 217 217 217 217 217 217	6.00 6.00 6.00 9.00 8.70 9.60 8.60 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 2576 5069 2152 1199 1284 2257 424 424 421 421 1640 2168 776 1250 1032 1491 1640 2168 776 1250 1032 1855 1497 1976 1976 1976 1976 1976 1976 1976 19	Urban Rural Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance) Crack Sealing (Rou	\$552.75 \$13.443.62 \$42,323.40 \$9,166.50 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,986.35 \$1,215.00 \$2,986.35 \$1,215.00 \$2,986.35 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$3,801.82 \$1,614.00 \$896.85 \$1,044.00 \$1,182.00 \$3,183.00 \$2,496.73 \$3,180.00 \$1,182.50 \$3,376.33 \$3,180.00 \$1,182.50 \$3,355.20 \$1,482.00 \$397.13 \$774.00 \$1,391.25 \$1,890.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$2,200.75 \$1,188.00 \$3976.50 \$776.00 \$77.90 \$77.90 \$79.90	\$0.75 \$0.75
DRRD_0168 DRRD_0102 DRRD_0102 DRRD_01120 DRRD_01120 DRRD_01120 DRRD_0120 DRRD_0271 DRRD_0271 DRRD_0271 DRRD_0271 DRRD_0271 DRRD_0271 DRRD_0160 DRRD_00160 DRRD_00160 DRRD_00160 DRRD_00160 DRRD_00161 DRRD_00160 DRRD_00160 DRRD_00161 DRRD_00160 DRRD_00161	Parkheights Trail 11th Concession 18th Sideroad 10th Concession	Blueberry Run Trail 19th Sideroad  8th Concession 90m N. of 15th Sideroad 1.7km N. of 15th Sideroad 1.7km N. of 15th Sideroad 5.7km N. of 15th Sideroad 5.7km N. of 15th Sideroad Sproule Street Mapleton Mils Drive Bighorn Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Kettle Valley Trail Ferrichael Crescent Patricia Drive Pellatt Grove Lilly Valley Crescent Ron Coles Lane Keele Street Curtis Crescent 610m E. of Valleycrest Drive  Dennison Street John Street John Street Limes Lane Caims Gate Colard Drive (West intersection) Lake Marte Trail Lake Marte Trail Humber Crescent Wellington Street Wellington Street Wellington Street Westbrooke Boulevard James Bowman Court West Coast Trail Huntington Road O.55km East of Weston Road	Parkheights Trail (Traffic Circle) Highway 9 Highway 9 16th Sideroad Loydtown/Aurora Road Dr. Kay Drive Mapleton Mills Drive Fairmont Ridge Trail (Traffic Circle) Mayer Trail (Traffic Circle) Highway 27 19th Sideroad Hollingworth Drive Charles Street End (Culde-Sac) Lavender Valley Road Curtis Crescent Terry View Drive Richard Serra Court McBride Crescent Terry View Drive Richard Serra Court McBride Crescent Aukland Lane East Humber Drive  End (Culde-Sac) Lienet Lane Einet (East) Martin Street End (Culde-Sac) Ellinets Lane Sir Henry Court Sir Henry Court Sir Henry Court Sir Henry Court Robinson Road West Coast Trail Lymvood Crescent Faris Avenue Skipler Trail Parkeights Trail (Traffic Circle) Anderson Cove Trail King Road 1.8m East of Weston Road	Nobleton King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) King Twp. (Rural) Schornberg Nobleton	High Class Bituminous High Class Bituminous	838 93 1526 94 28 28 28 28 28 28 28 28 28 28 28 28 28	Good Condition Good Condition	ngth (km)  8 8 8 8 8 8 7 7 7 7 7 7 7 7 7 7 7 7 7	67 2045 7.097 2037 1756 310 180 303 831 269 141 151 59 53 418 213 205 271 147 151 7.913 97 147 147 151 161 161 161 161 161 161 161 1624 1144	6.00 6.00 6.00 6.00 9.00 8.60 8.60 8.50 8.50 8.50 8.50 8.50 8.50 8.50 8.5	737 17791 12222 10536 2077 1620 3982 705 5069 2152 1199 1392 1284 502 424 424 3328 1491 1640 2168 776 1250 1032 424 1491 1640 2168 1056 1056 1056 1056 1056 1056 1056 1056	Urban Rural Rural Rural Rural Rural Rural Rural Rural Urban	Crack Sealing (Routine Maintenance) Crack Sealing (Routine Maintenance) Total Cost  Crack Sealing (Routine Maintenance)	\$552.75 \$13.343.62 \$42,323.40 \$9,166.50 \$7,902.00 \$1,557.75 \$1,215.00 \$2,966.35 \$2,968.35 \$2,86.35 \$2,86.35 \$2,86.35 \$3,801.82 \$1,931.63 \$3,801.82 \$1,944.00 \$962.63 \$3,801.82 \$1,947.73 \$318.00 \$1,626.00 \$1,182.50 \$40,773.45 \$3774.00 \$1,182.50 \$3774.00 \$1,182.50 \$1,283.00 \$1,838.00 \$1,939.71 \$3774.00 \$1,182.50 \$1,283.00 \$1,802.00 \$1,80	\$0.75 \$0.75