



2025

TOWNSHIP OF DOURO-DUMMER



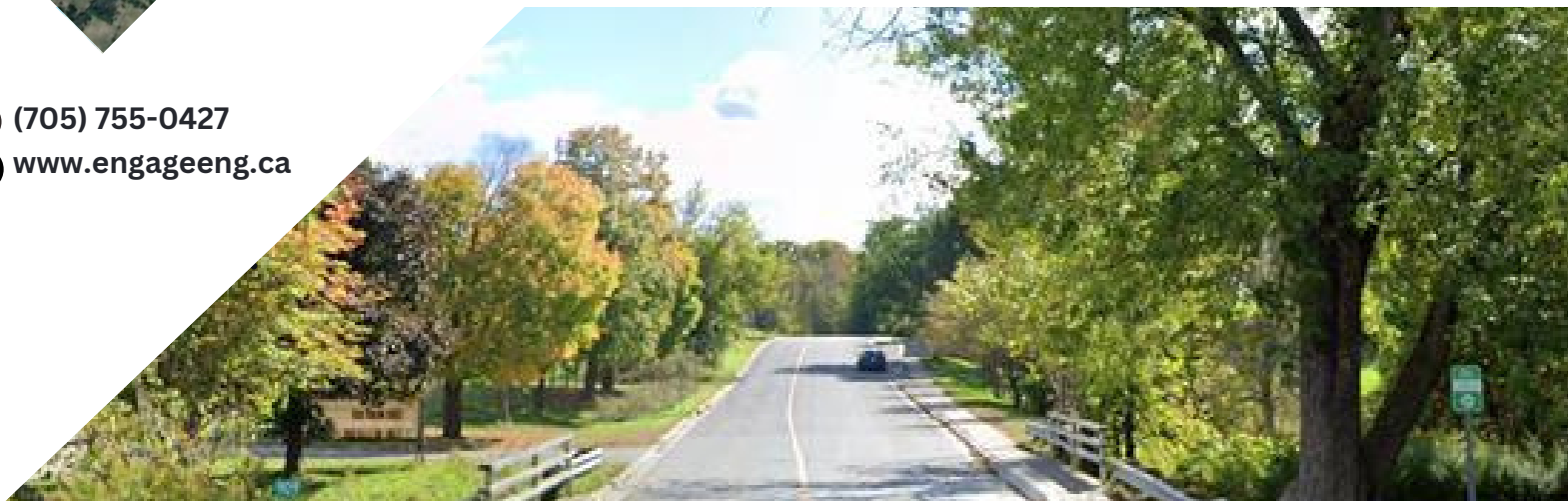
ROAD NEEDS STUDY

FILE NO. 25031



DATE :
August 2025

COMPLETED BY :
Engage Engineering



Executive Summary

This Road Needs Study (RNS) was prepared for the Township of Douro-Dummer (Douro-Dummer) and this report is considered a modified update to the most recent study which was completed in 2021 by D.M. Wills Associates Ltd. The current study was completed in accordance with the *Inventory Manual for Municipal Roads (1991)* published by MTO, which is the standard guideline for Road Needs Studies in the province. This report summarizes the inspection process, the condition of the Township's road inventory and provides recommendations and cost estimates for the required capital and maintenance expenditures to maintain the inventory. The data in this report is sufficient to meet current and future reporting requirements of O.Reg.588/17: Asset Management Planning for Municipal Infrastructure, Table 4: Roads.

Douro-Dummer's road network includes a total of 260 km of road, of which 144 km is gravel, 109 km is surface treated (low class bituminous) and 7 km is asphalt (high class bituminous). The road network also includes 2800 linear meters of concrete sidewalk, approximately 2600 linear meters of storm sewer and 54 storm structures. The roadside environment is predominantly rural but includes some semi-urban sections in settlement areas such as the Village of Warsaw, Douro and Donwood.

The overall weighted average condition rating for the Township's road network is 77, up from 69 in 2021. Ninety percent of the road network has a condition rating at or above 70, which generally indicates good overall condition. This very high percentage of Township roads in good condition is an indication that funding levels have been adequate. Ten percent of the network has a rating between 50 and 69. Roads with ratings in this range tend to require more costly intervention including rehabilitation or reconstruction. **The average pavement condition index of all surface-treated and hotmix pavement road sections is 85.**

The total capital needs identified in this study are \$15.5 million. Of this total, \$1.3 million are required now, \$6.0 million are required in the 1– 5-year horizon and \$8.2 million are required in the 6-10 year horizon.

Within the time of need from now and through the 1– 5-year horizon, 123 kilometers of road have been identified as having needs including resurfacing and rehabilitation. There are no roads requiring reconstruction in the 10-year forecast. The total length of road for each type of need is summarized below:

- 135 km of road require Resurfacing at a cost of \$12.2M
- 25 km of road require Rehabilitation at a cost of \$2.3M
- 0 km of road require Reconstruction

Sidewalk and storm infrastructure improvements are required at a cost of \$1.1M.

A 10-year capital forecast was prepared by prioritizing the recommended improvements and constraining the annual expenditure to current funding levels of \$ 1,521,000 (annual average over the last 3 years). Projects were prioritized based on road conditions, traffic volumes and life cycle cost improvements; an approach that is consistent with the current Asset Management Plan.

The current funding levels are not adequate to maintain the road network. **The total recommended funding levels for capital work for annual road improvements is \$1,550,000.** This amount is approximately \$29,000 or 2% higher than the existing capital roads budget.

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FIGURES

Figure 1:	Existing Road Network by Surface Type
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1.0 Study Purpose and Methodology

This Road Needs Study (RNS) was prepared for the Township of Douro-Dummer (Douro-Dummer). This report is the most recent study since the update which was completed in 2021 by D.M. Wills Associates Ltd. The current study was completed in accordance with the *Inventory Manual for Municipal Roads (1991)* and is similar to the previous study formats. This report summarizes the inspection process, the condition of the Township's existing road inventory and provides recommendations and cost estimates for the required capital and maintenance expenditures to maintain the inventory.

1.1 Study Objectives

Prior to undertaking this study, the following objectives were identified in consultation with the Township:

- Obtain current condition ratings for all road sections within the Township's existing road network
- Identify the need for rehabilitation or reconstruction improvements and associated costs
- Establish a simple mechanism to determine the annual works program
- Develop an infrastructure map of the existing road network
- Determine the needs for each road section including the recommended improvements, time of need and construction costs
- Prioritize the recommended improvements and establish a 10-Year Capital Expenditure Plan that can be used for planning and budgeting purposes.

1.2 Methodology

The study methodology generally followed the MTO *Inventory Manual for Municipal Roads (1991)*. The study included the following elements:

- Field review and assessment of all road sections within the inventory
- Data entry of condition rating information for each section and Pavement Condition Index (PCI) information for LCB and HCB sections
- Analysis of condition information, updating traffic and cost data, and development of recommended improvements for each road section
- Preparation of Recommended Improvement Plans for preventative maintenance, Resurfacing, and Rehabilitation
- Preparation of Recommended 10-Year Capital Funding Plan

- Provide the Township with road inventory data sufficient to meet current and future reporting requirements of O.reg.588/17: Asset Management Planning for Municipal Infrastructure for roads.

Inventory information from the previous study was verified in the field during the inspection and updated in our inventory spreadsheet as required. An established road section numbering scheme was in place for the inventory from previous studies and this was followed for this study. Several section numbers have been added due to speed and surface changes to a portion of the existing sections. These changes and updates are detailed in the following sections.

Sidewalk and storm sewer system data has been collected and added to the master inventory spreadsheet as a separate table, along with cost estimates and time of need. Section 045 Water Street is the only location where sidewalk improvements are adjacent to a Township road; all other sidewalk and storm improvements are adjacent to County roads.

2.0 Road System Inventory

2.1 Existing Road Inventory

All roads within the Township were assessed as part of this study. The existing Douro-Dummer road network includes a total of **260 km of road**, and can be further categorized according to surface type:

Gravel	144 km
Surface Treated (Low Class Bituminous)	109 km
Asphalt (High Class Bituminous)	7 km

The existing network is divided into 181 road sections which generally conform to the guidelines in the *Inventory Manual for Municipal Roads* in that the sections have uniform physical cross section, surface type, traffic volume and surrounding land use. The sections and numbering system were established in previous studies and were maintained for this study, except as noted in this section. A map showing the existing road network according to surface type is included as **Figure 1** in the rear pocket of this report. The statutory speed limit on Township roads is 80km/h per the Highway Traffic Act, unless posted otherwise.

The Township has existing road inventory data that includes physical attributes for each section within the road network, completed by D.M. Wills in 2021. This existing inventory information was used as the starting point for the 2025 update of the Road Needs Study, verified during the field review, and updated as required. The updated 2025 inventory data is stored in the master inventory spreadsheet and includes all relevant physical and condition information for each road section including (but not limited to):

- Section Number
- Section Length
- Surface Type (gravel, LCB, HCB)
- Platform and Surface widths
- Roadside Environment
- Traffic Volume
- Condition Rating
- Recommended Improvement
- Improvement Cost

The updates to surface type, new sections and speed limit reductions are listed below. Further details on each Section can be found in the detailed Inventory Summary in **Appendix A**.

Road Section Updates:

Section 008: Gilchrist Bay Road was split into 2 sections (008A and 008B) to account for the 300m gravel section at the west end.

Section 013: Division Road was split into 3 sections (013A, 013B and 013C) due to changes in the surface condition.

Section 023: 11th Line South Dummer was split into 2 sections (023A and 023B) to account for the 400m gravel section at the north end.

Section 055: Centre Dummer Road was split into 2 sections (055A and 055B) to account for the 650m LCB surface at the west end.

Section 058: 4th Line Road South Dummer has changed from a gravel to LCB surface type.

Section 143: Douro 8th Line Road was split into 2 sections (143A and 143B) to account for the 300m LCB surface that has been added.

Section 206A: Hawkins Road has been added to the inventory.

Speed Limit Reductions (based on observed posted speed):

Section 001: McCrackens Landing, speed limit reduced from 80km/h to 50 km/h

Section 002: Birchview Road, speed reduced from 80km/h to 60 km/h

Sections 003 & 004: Camp Line Road, speed limit reduced from 80km/h to 50 km/h

Section 076: Crowes Landing Road, speed limit reduced from 80km/h to 50 km/h

Section 121: Douro 5th Line Road, speed limit reduced from 80km/h to 50 km/h

Section 139: Centre Road, speed limit reduced from 80km/h to 60 km/h

2.2 Existing Sidewalk & Storm Sewer Inventory

Existing concrete sidewalks were included in the field review and have been added into the master inventory spreadsheet. The Township of Douro-Dummer road network includes approximately 2800 linear meters of concrete sidewalk. Existing sidewalk sections that are uncompliant with accessibility standards have been proposed for reconstruction within the timeframe of 1-5 years. The road network also includes approximately 2600 linear meters of storm sewer and 54 storm structures. Further details on each section can be found in the detailed Inventory Summary in **Appendix A**.

2.3 Road Classification

The roads within the inventory have been classified according to Ontario Regulation 239/02 Minimum Maintenance Standards. The purpose of this regulation is to establish road classifications from which minimum maintenance can be established. The classification is based on traffic volumes and posted speed limits, ranging from Class 1 to Class 6, with Class 1 being high-volume, high-speed roads and Class 6 being low-volume, lower-speed roads.

**Table 2.1 – Roads by Maintenance Class
(O.Reg 239/02 Minimum Maintenance Standards for Municipal Roads)**

Column 1 Average Daily Traffic (number of motor vehicles)	Column 2 91 - 100 km/h speed limit	Column 3 81 - 90 km/h speed limit	Column 4 71 - 80 km/h speed limit	Column 5 61 - 70 km/h speed limit	Column 6 51 - 60 km/h speed limit	Column 7 41 - 50 km/h speed limit	Column 8 1 - 40 km/h speed limit
53,000 or more	1	1	1	1	1	1	1
23,000 - 52,999	1	1	1	2	2	2	2
15,000 - 22,999	1	1	2	2	2	3	3
12,000 - 14,999	1	1	2	2	2	3	3
10,000 - 11,999	1	1	2	2	3	3	3
8,000 - 9,999	1	1	2	3	3	3	3
6,000 - 7,999	1	2	2	3	3	4	4
5,000 - 5,999	1	2	2	3	3	4	4
4,000 - 4,999	1	2	3	3	3	4	4
3,000 - 3,999	1	2	3	3	3	4	4
2,000 - 2,999	1	2	3	3	4	5	5
1,000 - 1,999	1	3	3	3	4	5	5
500 - 999	1	3	4	4	4	5	5
200 - 499	1	3	4	4	5	5	6
50 - 199	1	3	4	5	5	6	6
0 - 49	1	3	6	6	6	6	6

The maintenance class for each road section is provided in the detailed Inventory Summary in **Appendix A**. The total length of road for each maintenance class is summarized in the table below:

Table 2.2 – Roads by Maintenance Class

Maintenance Class	Total Length (km)
1	0
2	0
3	0
4	150.6
5	42.4
6	67.2

2.4 Current Traffic Volumes and Traffic Class

Traffic volume estimates are an important attribute of the road inventory. Traffic volumes are utilized during the assessment of the road to determine the correct surface type, surface width and the capacity of the road. Traffic volume is also one of the factors used to prioritize improvements. The existing road inventory data contains estimates for Average Annual Daily Traffic (AADT) volumes based on the roadside environment and growth projections. Roads are then classified according to the traffic volume as shown in **Table 2.3**.

Table 2.3 – Traffic Classification

Traffic Class	AADT
100	0 – 49
200	50 – 199
300	200 – 499
400	500 – 999
500	1000 – 1999
600	2000 – 2999
700	3000 – 3999
800	4000 and over

2.5 Future Traffic Volumes and Traffic Class

Traffic volumes for the 2025 inventory record were extrapolated from the 2021 inventory record, assuming a traffic growth rate of 1% per year to obtain current and future traffic volumes. The future volumes were used to assess the need for structural improvements, capacity improvements and surface type improvements. The future AADT is shown for each road section in the Inventory Table in **Appendix A**. A summary of the road inventory by Traffic Class is provided in the table below. This update includes a 1% per year increase to the 2021 AADT traffic volumes, except Traffic Class 100 roads which remained consistent due to these low volume roads having limited changes over time.

Traffic counts should be conducted on roads that have any development or land use changes planned or completed.

Table 2.4 – Traffic Classification Length

Traffic Class	Total Length (km)
100	53.5
200	126.8
300	51.1
400	27.4
500	1.4
600 and above	None

The extrapolated AADT data for 2035 was utilized to assess the Traffic Class of all roads and upgrade the Traffic Class where necessary. A summary of roads with an upgraded Traffic Class is provided in the table below. The upgrades to Traffic Class are representative of 2035 modelling and therefore will not affect assessment of the road to determine the correct surface type, surface width and the capacity of the road at this time but should be considered in the future.

Table 2.5 – Roads with Upgraded Traffic Classification

Section	Road Name	New Traffic Class
002	Camp Line Road	200
003	Camp Line Road	200
051	Payne Line Road	300
052	Payne Line Road	300
126	Lynch's Road Road	300

3.0 Road System Assessment

3.1 Road Appraisal Criteria

Each section of road was evaluated in accordance with the rating system in the *Municipal Road Inventory Manual*. The following individual elements were assessed and given a rating; the maximum available rating for each element is shown below.

- Surface Condition (10 points)
- Structural Adequacy (20 points)
- Drainage (15 points)
- Maintenance Demand (10 points)

- Horizontal Alignment (10 points)
- Vertical Alignment (10 points)
- Surface Width (15 points)
- Shoulder Width (10 points)

Horizontal and Vertical Alignment

The horizontal and vertical alignment for each road section is assessed based on the design speed for that section and the minimum requirements for curve radius, etc. Points are deducted from the maximum point total based on the number of deficient curves on a section of road.

Surface Condition

The condition of the surface of the road is assessed based on visual observations of the surface, ride comfort, ride quality and safety. Points are deducted from the maximum available based on the number and severity of deficiencies. Examples of deficiencies for hard surfaces are raveling, potholes and cracking. Deficiencies identified for gravel surfaces are those which cannot be corrected by grading including subgrade failure and inadequate gravel surface.

Shoulder and Surface Width

The shoulder and surface width are assessed by comparing the existing measured widths to the design standard widths for the design class of road. A maximum score is given to a road with shoulder and surface widths that meet or exceed the desirable widths for that design class. The minimum score is assessed based on the Minimum tolerable standard.

Structural Adequacy

The structural adequacy rating relates to the capability of the surface and base to support the intended traffic loading and resist base failure or distortion. Points are deducted from the maximum available rating based on the number and frequency of distresses noted in the road. Examples of distresses in hard top surfaces include rutting, alligator cracking, distortions and severe potholes. For gravel roads, examples of distresses include frost boils and soft spots.

Drainage

Drainage is assessed based on visual observations of the various drainage elements for each road section. These include lane and shoulder crossfall, ditch depth and slope, culverts, catchbasins and/or gutter outlets. The presence and condition of each of these elements is assessed and ratings are provided based on a sliding scale with maximum points if all elements are present and adequate to minimum points if no drainage elements are present.

Maintenance Demand

The rating for maintenance demand is inversely related to the actual level of maintenance intervention required for a section of road. If the road is in good condition and requires little maintenance, it will have a high maintenance demand score. Conversely if a road is in poor condition and requires significant maintenance, it will receive a low rating. The maintenance effort is estimated based on visual observations during the inspection.

Overall Condition Rating

The individual ratings for each of the evaluation criteria are summed to obtain an overall rating for each road section, with a maximum value of 100. The overall rating is a general indicator of the road condition; a higher rating indicates better condition.

3.2 Pavement Condition Index

The pavement condition index (PCI) rating system was used in this study due to the level of detail provided by this system and as a requirement of O. Reg. 588/77 to have the average pavement condition index value for paved roads included in asset management reports. The PCI system utilizes a combination of pavement distresses and ride comfort to calculate an overall condition rating out of 100 for the road, with 100 being the best possible rating. A brief explanation of the elements of the PCI rating system is provided below.

Distresses

The PCI condition survey involves recording the severity and density of up to 17 various distresses for each road section. The distresses vary by surface type, with specific distresses for gravel, asphalt and surface treated surfaces. The pavement distresses are listed in the table below as well as the weight, severity and density of each distress:

Table 3-1: Pavement Condition Index (PCI) Survey

		Wi	Severity of Distress (Si)					Density of Distress (Di)				
			Very Slight	Slight	Moderate	Severe	Very Severe	Few <10	Intermittent 10-20	Frequent 20-40	Extensive 40-80	Throughout >80
Pavement			1	2	3	4	5	1	2	3	4	5
Surface Defects	Ravelling & loss of surface aggregate	3.0		x					x			
	Flushing	1.5		x					x			
Surface Deformations	Rippling and Shoving	1.0	x					x				
	Wheel Track Rutting	3.0	x					x				
	Distortion	3.0		x					x			
Cracking	Longitudinal Wheel Track	Single and Multiple	1.5	x				x				
		Alligator	3.0	x				x				
	Centerline	Single and Multiple	0.5			x				x		
		Alligator	2.0	x				x				
	Pavement Edge	Single and Multiple	0.5			x				x		
		Alligator	1.5			x				x		
	Transverse	Half, full and multiple	1.0	x				x				
		Alligator	3.0	x				x				
	Longitudinal – meander or mid-lane		1.0		x				x			
	Random		0.5									

Base related distresses, such as alligator cracking, indicate that the road base is failing or inadequate for the existing traffic load. Roads that exhibit significant base related distresses generally require structural improvements in the form of rehabilitation as opposed to resurfacing.

Surface related distresses, such as centreline cracking, are caused by age and weathering of the pavement or gravel surface. Roads that exhibit predominantly surface related distresses are candidates for resurfacing or preventative maintenance. For asphalt and surface treated roads, this can take the form of slurry seals, double surface treatments or overlays, depending on the severity of the surface distresses. For gravel roads, grading is generally sufficient to restore the surface.

Ride Comfort Rating

In addition to utilizing the pavement distresses, the PCI system also utilizes a Ride Comfort Rating (RCR) to establish overall condition. The ride comfort rating is a somewhat subjective measure of the road section's ride quality and is determined by driving the section at the posted speed and assigning a rating between 1 and 10, with 10 being the best. While it is subjective, the rating system below provides a guideline when establishing RCR:

Table 3.2 – Ride Condition Rating

RCR	Rating	Characteristics
10 – 8	Excellent	Very smooth and consistent with no bumps
6 – 8	Very Good	Smooth with few bumps or distortions
4 – 6	Fair	Comfortable with intermittent bumps
2 – 4	Poor	Less comfortable with frequent bumps and distortions
0 - 2	Very Poor	Uncomfortable with constant bumps and distortions

Pavement Condition Index

The pavement condition index establishes a rating of between 1 and 100 based on the condition and ride quality. The PCI is calculated according to the following formula:

$$PCI = 100 - [DMI + (10 - RCR)]$$

where DMI is the Distress Manifestation Index and is calculated according to the following formula:

$DMI = \sum W_i \times (S_i + D_i)$ is the distress manifestation index and is calculated accordingly where:

W_i = weight associated with each distress
 S_i = severity of each distress
 D_i = density of each distress

The calculations for both DMI and PCI were completed after the distress and RCR ratings for each section were collected during the field review. The distress weights are based upon the significance of the distress; for example, longitudinal alligator cracking will have a weight of 3 whereas single centerline cracking has a weight of 0.5. Generally base related distresses are weighted more heavily than surface defects.

3.3 Road Standards

Road standards play an important role in assessing the need for improvements. Roads with surface widths or surface types that do not meet current or future traffic demands receive a higher priority rating for improvements. The following table from the *Inventory Manual for Municipal Roads (1991)* outlines the desirable standard for each road class:

Table 3.2 – Road Standards

Traffic Class	Surface Type	Surface Width	Shoulder Width
100	Gravel	5.5	0.5
200	Gravel	6.0	0.5
300	LCB	6.0	1
400	LCB	6.0	1
500	HCB	6.5	1.5
Semi-Urban Local	HCB	6.0	1.5
Urban Local	HCB	8.0	N.A.

These represent the desirable standards for roads and would be the expectation if roads were reconstructed based on their traffic class. However, it is recognized that many existing roads in the Township, particularly lower-class roads, do not meet these criteria and it would be cost-prohibitive to recommend reconstruction of these roads. In these instances, where road capacity is not an issue, improvements are identified to the current asset dimensions, recognizing that the roads function adequately despite not meeting the desirable standard.

3.4 Road Network Condition

The overall condition ratings for each road section were calculated in the master inventory spreadsheet as outlined in **Section 3.1** and form part of the asset record. The condition data was exported for analysis as part of this study and the tables in **Appendix B** provide a complete summary of the condition ratings of each road section sorted by section number.

The **weighted average rating for the entire road network is 77**; up from 69 in 2021. The difference in the weighted average from 2021 to 2025 is likely due to the subjective nature of the road condition and pavement condition index ratings but could also be due to the quality of completed road improvements and maintenance practices. The average rating by road surface type is summarized below:

Gravel	76
Surface Treated	80
Hot Mix Asphalt	84

In reviewing the average condition rating values, the following observations were made:

1. The relatively high condition rating for gravel roads is primarily a reflection of the Township's maintenance program that includes 75mm of Granular 'A' applied every 3 to 5 years. However, there are several gravel roads which require rehabilitation through additional gravel placement to strengthen the road base and improve the surface included in the Capital Expenditure Plan.

2. The condition rating for surface treated roads reflects a network that is new or has been maintained very well. Once condition ratings drop below 70, road needs typically increase beyond basic resurfacing and require rehabilitation or reconstruction but that is not the case here. Having a large percentage of the road network in this condition range is indicative of adequate funding to keep pace with the continuously declining condition of these roads.
3. The hot mix asphalt rating is relatively high and reflects the asphalt roads scattered throughout the Township, which are fairly new and in good condition.

Table 3.2 provides a summary of the condition rating ranges within the road network by road length and percentage of the network. The table indicates **90% of the network is at or above a condition rating of 70**. In this condition rating range, many roads require only resurfacing which is the least expensive type of improvement. Two other important observations can be made from the table. First, **32% of the roads in the network fall within a critical range of 70-79**. Roads within that range can be maintained in good condition with relatively inexpensive treatments including resurfacing and preventative maintenance. However, if these roads are not addressed in a timely manner, their condition will deteriorate and will fall into the range requiring more costly rehabilitation treatments. Second, **10% of the roads have condition ratings between 50-69 and require rehabilitation to improve their condition**. Improving roads within this range will have a significant impact on Township budgets as rehabilitation is a costlier treatment than resurfacing.

Table 3.2 – Condition Rating Road Network

Condition Rating Range	Road Length (km)	Percent of Network
90 – 100	9	3
80 – 89	144	55
70 – 79	83	32
60 – 69	20	8
50 – 59	5	2
< 50	0	0

4.0 Road Needs and Improvements

4.1 Identification of Needs

The need to improve an individual road section was determined based on both the physical condition rating of the road and any functional deficiencies. Functional needs were identified by comparing the road condition and physical characteristics such as surface type and width to the desirable standard for that road class. Although each

section was assessed from a number of perspectives (alignment, structural adequacy, surface width, etc.) not all elements are considered in determining road needs. For example, while horizontal and vertical alignment are assessed, they are not considered in identifying improvements unless a safety issue is present, as improving these deficiencies would place an unrealistic financial burden on the Township. The primary indicators of need that are used to determine road needs are summarized below:

Surface Condition	Inability to provide comfortable or safe ride
Surface Type	Incorrect surface type for traffic volume
Surface Width	Inadequate surface width compared to standard
Structural Adequacy	Inability to provide adequate support for traffic load

Further it is noted that rural road sections with a gravel surface and AADT of 50 or less have not been considered for any improvements. These roads can be maintained to an adequate standard with routine maintenance practices.

4.2 Improvement Types

The type of improvement identified for a given road section depends on the type and severity of the deficiencies present in the road. Improvements are grouped into categories depending on the extent of improvement required. **Table 4.2** below summarizes the categories and specific improvements, along with typical deficiencies:

Table 4.2 – Improvement Types

Road Needs	Improvement Type	Deficiency
Resurfacing	• Double surface treatment • Mill and pave – urban • overlay – rural	Surface Condition and /or Surface Type
Rehabilitation	• Add gravel, ditch, brush • Pulverize, add gravel, double surface treatment • Pulverize and pave	Surface Condition and Minor Structural Adequacy
Reconstruction	• Rural recon – gravel only • Rural Reconstruction • Urban reconstruction	Surface Width, Condition and Severe Structural Adequacy

4.2.1 Resurfacing

These treatments involve renewing the hard-top surface and are generally undertaken on roads that are structurally sound (good granular base) but are past the point where preventative maintenance treatments will be effective. Typical resurfacing treatments include surface treatment, asphalt overlay and mill and pave for hard top surfaces.

Resurfacing of loose-top surfaces such as gravel roads is done by grading the road and is considered routine maintenance.

4.2.2 Rehabilitation

These treatments involve renewing both the surface and upper layer of the road base and are generally undertaken on roads that exhibit distress associated with minor base failure. Typically, the existing surface and a portion of the base material is pulverized and a new surface applied. Where the base failure is significant, additional granular material will be added to the base prior to placement of the pavement. Where poor soils exist, base stabilizing agents can be applied to the pulverized material prior to placement of the pavement to strengthen the base.

4.2.3 Reconstruction

Reconstruction involves the removal and replacement of the road including granular base and surface. In rural settings it includes renewing the ditching and shoulder widening, and replacement of cross culverts. In urban settings, reconstruction includes complete urbanization of the street including storm sewers, curb and gutter and sidewalks. Reconstruction is the costliest treatment and is applied once a road has reached the end of its lifecycle. Because of the high cost and the fact that the treatment is not time-sensitive (if reconstruction is required, the road has already reached the end of its service life) these treatments are often deferred to free up budgets for higher-value treatments such as resurfacing.

4.3 Gravel Needs and Improvements

Many of the gravel roads within the Township's network were identified for gravel maintenance only; no major capital improvements are required on these roads. Many of these roads have an AADT of less than 50 and are by default considered adequate according to the Inventory Manual. For the purposes of this study, the AADT of 50 was used as a guideline but was not rigidly applied. For example if a low volume gravel road had an AADT of 66 but had a surface width deficiency, it was not identified for improvement.

Gravel maintenance consists of routine grading to restore the surface and cross section, adding granular material where required and application of dust suppressants to tighten the surface, retain aggregate and reduce dust.

4.3.1 Returning Hard Surfaced Roads to Gravel

The Township does not plan to turn any surface treated roads back to gravel at this time and has a policy to guide staff with the decision-making process.

4.4 Improvement Costs

Benchmark construction costs were established for each improvement type to calculate the cost of improvements for each road section. The benchmark costs were established using tender unit prices from recent contracts for routine work including surface treatment, resurfacing and pulverizing. The improvement costs are for construction only and do not include contingency; 10% of the construction cost should be added to reconstruction projects that require engineering. The benchmark costs do not include any utility relocation or property acquisition.

Appendix F includes a summary of the benchmark costs used for each improvement type.

4.5 Improvement Timing

For each identified road section deficiency, the time of need was identified as either Now, 1-5 years or 6-10 years. The time of need is based on the condition of the road and state of deterioration. Roads that are currently in very poor condition receive a Now time of need. However, roads that are in fair condition may also receive a Now time of need if implementing the improvement in the near term would defer a more expensive treatment later in the road's life. For example, a surface treated road that is in fair condition could be kept in that condition with an application of double surface treatment in the near term. However, if that same road were left for several years, it would deteriorate to the point that it required pulverization and double surface treatment. In this case, implementing the improvement sooner will result in a lower-cost improvement and reduce the life cycle cost for that road section.

4.6 Summary of Needs and Improvements

A complete listing of road needs, recommended improvements and associated costs sorted by Section number is included in **Appendix B**. Where no improvement is listed, none was identified. The table below provides a summary of the capital needs and improvement costs by kilometer of road:

Table 4.6 – Summary of Road Needs and Improvement Costs

Road Needs	Road Length (km)	Cost
Resurfacing	235	\$12.2 M
Rehabilitation	25	\$2.3 M
Reconstruction	0	\$0
Sidewalk & Storm improvements on County Roads	-	\$1.0M
TOTAL	260 km	\$15.5 M

The improvement costs by time of need are summarized below:

Now	\$ 1.3 M
1 – 5 Years	\$ 6.0 M
6 – 10 Years	\$ 8.2 M

4.7 Climate Change Adaptations

The Township applies several strategies to acquire, maintain, improve assets in a sustainable and effective manner. This is important as municipalities face increasing challenges with managing aging public assets in the face of increasing uncertainty from risks including those related to the impacts of climate change, such as wind and ice storms. The Township is committed to considering climate change when planning asset lifecycle activities (e.g., design, maintenance, reconstruction, replacement, etc.) and is an important criterion in the decision-making framework. Climate change is taken into consideration when developing of proposed budgets and forecasts, when assigning service life and current replacement costs.

The Township's core purpose is to provide services to stakeholders. When establishing levels of service, the following are taken into consideration:

- Protecting and upholding public safety
- Protecting the environment
- Regulated/legislated requirements
- Stakeholder expectations
- Vulnerabilities and mitigation approaches to impacts of climate change

Effects of climate change poses significant risks to both road assets and the services they provide; they will need to be managed and monitored by the Township in the near future. High level risks and associated impacts to the Township's ability to effectively deliver services include road and culvert washouts, blocked transportation routes due to tree damage, acquiring road building materials, etc.

4.8 Prioritization of Improvements

The Condition Priority Ranking methodology was utilized to determine the recommended improvements to aid the Township in selecting the order in which to implement the projects. Prioritization of projects was also required to develop recommended Capital Expenditure Plans, as the Township's budget is insufficient to fund all the identified needs.

Condition Priority Ranking

This is an empirical approach set out in the *Inventory Manual for Municipal Roads*. It considers the existing condition of the road section but also the traffic volumes on that road. Roads with the same condition rating are prioritized based on traffic volume, with a higher priority assigned to the road with the higher volume. This rating system assigns a higher priority to roads with lower condition ratings. In that respect, it is a worst-first approach and does not necessarily make the best use of scarce municipal resources as it does not account for the life cycle cost of the improvements.

The formula used is: $Priority = 0.2 (100 - Condition\ Rating) \times (AADT + 40)^{0.25}$

A larger priority number indicates a higher priority ranking.

The resulting Condition Priority Rankings are summarized in **Appendix C**.

4.9 Recommended Improvement Plans

Recommended improvement plans for Resurfacing and Rehabilitation were developed using the condition prioritization method. The plans list the road section, recommended improvements, improvement costs and are in order of Condition Priority Number.

The recommended improvement plans for Resurfacing and Rehabilitation are included in **Appendix D**.

4.10 Recommended 10-Year Capital Expenditure Plan

Using the recommended improvement plans for resurfacing and rehabilitation projects, a recommended 10-Year Capital Expenditure plan was created. This plan was prepared to assist the Township in planning and budgeting for road improvements over the next ten years. The plan is included in **Appendix E**.

In preparing the recommended 10-Year Capital Plan, the total annual expenditures were constrained (as closely as possible) by the (approximate) current baseline roads funding level of \$1,521,000. This value was based on discussions with Township Staff. If additional funds are available, projects can be brought forward from future years to make use of available funds and replaced with projects using the prioritized improvement plans in **Appendix C**.

4.11 Recommended Funding Levels

The previous section identified an annual plan for the next ten years with the annual expenditures constrained by the current Municipal roads budget. This section will identify the recommended funding levels to maintain the road network in adequate condition.

Hot Mix Paved Roads

- Total of 7 km of paved (HCB) roads
- Life cycle of approximately 12 years
- Required annual resurfacing of 0.58 km
- Required annual budget of \$101,500 (0.58 km x \$175,000/km for Mill and Pave)

Surface Treated Roads

- Total of 109 km of surface treated roads
- Life cycle of approximately 7 years for surface treatment
- Required annual resurfacing of 15.6 km
- Required annual budget of \$1,308,000 (15.6 km x \$84,000/km for double surface treatment)

Gravel Roads

Gravel roads can generally be kept in good condition with regular maintenance including grading, minor addition of granular and application of calcium chloride. These items are typically included in maintenance budgets. However, gravel roads typically require the addition of a significant lift of granular over their surface to maintain sufficient base strength.

- Total of 144 km of gravel roads requiring new lift every 5 years
- Required annual granular placement of 28.8 km
- Required annual budget of \$1,152,000 (28.8 km x \$40,000/km for 75mm granular placement)

The total recommended funding levels for capital work for annual road improvements is \$1,550,000. This amount is approximately \$29,000 or 2% higher than the existing capital roads budget.

Appendix A: Road Inventory Summary
Sidewalk & Storm Inventory Summary

2025 Douro-Dummer Road Needs Study
Road Inventory Summary

Section Number	Road Name	From	To	Traffic Class	Maint. Class	Speed Limit (km/h)	Surface Type	Length (km)	Platform Width (m)	Roadside Environment	ROW Width (m)	Shoulder Width (m)	Surface Width (m)	AADT (2025)	Total Rating	PCI
001	McCrackens Landing	County Road 6	North Limit (Stoney Lake)	400	4	50	LCB	1.7	7	R	20.0	0.5	6	553	78	93.5
002	Birchview Road	McCrackens Landing	Camp Line Road	300	5	60	LCB	5.2	7	R	20.0	0.5	6	338	84	95
003	Camp Line Road	Birchview Drive	Henderson Road	200	4	80	LCB	2.7	7	R	20.0	0.5	6	195	84	71.5
004	Camp Line Road	Henderson Road	County Road 6	200	4	50	LCB	1.8	7	R	20.0	0.5	6	195	80	72.5
005	Golf Course Road	McCrackens Landing	Barnes Road	200	6	50	LCB	2.2	7	R	20.0	0.5	6	110	89	97
006	5th Line North Dummer	County Road 6	South Limits to include entrance to farm owned by Township	100	6	80	G	1.4	5	R	15.0	0.5	4	49	65	-
007	6th Line North Dummer	County Road 6	End of Hawkins Lane	100	6	80	G	1.4	7	R	15.0	1.0	5	49	75	-
8	A - Gilchrist Bay Road	County Road 6	Little Lane	100	6	40	LCB	1	6	R	15.0	0.5	5	49	62	91.5
8	B - Gilchrist Bay Road	Little Lane	West End	100	6	40	G	0.3	6	R	15.0	0.5	5	49	52	-
009	Howard Drive	County Road 6	South Limit	100	6	80	G	0.1	6	R	15.0	0.5	5	49	68	-
010	Dummer Lake Road East	County Road 6	South Limit (to start of Private road)	200	4	80	LCB	1.3	8	R	15.0	1.3	5.5	151	86	90
011	Ivandale Road	Dummer Lake Road East	West Limit	100	6	80	G	0.4	7	R	15.0	1.0	5	49	81	-
012	White Lake Road West	County Road 6	South Limit	200	6	40	LCB	2.7	6	R	15.0	0.5	5	162	73	76.5
13	A - Division Road	Indian River Line	Douro 3rd Line	400	4	60	LCB	1.3	8	R	20.0	0.5	7	866	77	67
13	B - Division Road	Douro 3rd Line	Douro 5th Line	400	4	60	LCB	2.8	8	R	20.0	0.5	7	866	83	98
13	C - Division Road	Douro 5th Line	Highway 28 (formerly Highway 134)	400	4	60	LCB	1.3	8	R	20.0	0.5	7	866	79	68
014	Division Road	Indian River Line	Carlow Line	400	4	60	LCB	2.7	7.5	R	15.0	0.3	6.5	638	78	61.5
015	Dummer Asphodel Road	Carlow Line	County Road 38	400	4	60	LCB	1.4	7.5	R	20.0	0.3	7.5	539	83	85
016	Dummer Asphodel Road	County Road 38	400 m East of 4th Line (at bridge)	400	4	60	LCB	3.3	7.5	R	20.0	0.3	7	530	89	90.5
017	Dummer Asphodel Road	Bridge	County Road 8	400	4	60	LCB	1.1	7.5	R	20.0	0.2	6.6	530	79	90.5
018	7th Line South Dummer	County Road 8	North Limit	100	6	80	G	0.8	5	R	10.0	0.5	4	49	69	-
019	8th Line South Dummer	Webster Road	North Limit	200	4	80	G	3.6	8	R	20.0	1.3	5.5	163	69	-
020	Webster Road	County Road 40	10th Line South Dummer	200	4	80	G	1.3	6	R	20.0	0.8	5.5	66	76	-
021	Dummer Asphodel Road	County Road 40	11th Line South Dummer	200	4	80	HCB	2.8	12	R	20.0	2.0	8	110	89	90
23	A- 11th Line South Dummer	Dummer-Asphodel Road	North Limit	300	4	80	HCB	0.5	15.5	R	20.0	3.8	8	221	92	94.5
23	B - 11th Line South Dummer	Dummer-Asphodel Road	North Limit	300	4	80	G	0.4	15.5	R	20.0	2.0	8	221	88	-
024	12th Line South Dummer	Forced Road Section	North Limit	200	4	80	G	6.3	6	R	20.0	0.8	5.5	110	84	-
025	Simpson Road	12th Line	East Limit	200	4	80	G	0.9	6	R	15.0	1.3	5.5	110	67	-
026	Mill Line Road	County Road 40	Bridge (East End)	200	4	80	G	1.3	6	R	20.0	0.5	5	132	78	-
027	Mill Line Road	Bridge	East Limit	200	4	80	G	1.7	6	R	15.0	0.5	5	132	78	-
028	11th Line Road Mid Dummer	Mill Line Road	North Limit	100	6	80	G	0.9	5	R	15.0	0.5	4	49	73	-
029	Webster Road	County Road 40	County Road 8 (5th Line Road South Dummer)	300	5	60	LCB	5.6	7	R	20.0	0.3	7	430	83	57.5
030	7th Line Road Mid-Dummer	Webster Road	North Limit	100	6	80	G	0.2	5.5	R	15.0	0.5	4	49	59	-
031	6th Line Road South Dummer	Webster Road	North Limit	100	6	80	G	1.9	7	R	20.0	1.0	5	49	70	-

Section Number	Road Name	From	To	Traffic Class	Maint. Class	Speed Limit (km/h)	Surface Type	Length (km)	Platform Width (m)	Roadside Environment	ROW Width (m)	Shoulder Width (m)	Surface Width (m)	AADT (2025)	Total Rating	PCI
032	5th Line Road South Dummer	Webster Road	North Limit	200	4	80	G	2	6.3	R	20.0	0.5	5.3	74	70	-
033	4th Line Road South Dummer	County Road 8	Division Road	200	4	80	G	3.1	7	R	20.0	0.8	5.5	109	90	-
034	3rd Line Road South Dummer	Division Road	North Limit	100	6	80	G	0.4	5	R	15.0	0.5	4	49	64	-
035	3rd Line Road South Dummer	County Road 8	South Limit	100	6	80	G	1.3	5	R	20.0	0.5	4	35	71	-
036	3rd Line Road South Dummer	County Road 8	Clifford Road	200	4	80	G	3	6.5	R	20.0	0.5	5.5	59	80	-
037	4th Line Road South Dummer	Clifford Road	County Road 8	200	4	80	LCB	3.2	7	R	20.0	0.8	5.5	132	65	67
038	Clifford Road	4th Line South Dummer	3rd Line Road	200	4	80	G	1.3	7	R	20.0	0.8	5.5	110	80	-
039	Clifford Road	3rd Line Road South Dummer (west)	South Street	200	6	50	LCB	2	6.5	R	20.0	0.5	6	110	82	81.5
040	Banks Avenue	County Road 8	East Limit	100	6	50	LCB	0.2	6	R	15.0	0.5	5	49	82	77
043	Ford Street	East of South Street	Peterborough Street	500	5	50	HCB	0.2	11	U	20.0	2.0	7	1049	77	87
044	English Line (South)	County Road 4	South Limit	200	6	40	LCB	0.2	6	R	15.0	1.0	4	119	55	54.5
045	Water Street	Ford Street	Mill Street	100	6	50	LCB	0.2	8	U	15.0	1.0	6	49	63	52
046	Mill Street	West Limit	Peterborough Street	100	6	50	LCB	0.1	8	U	20.0	0.0	13	49	58	56
048	Church Street	Mill Street	West Street	100	6	50	LCB	0.2	8	R	15.0	1.0	6	49	70	57
049	West Street	County Road 4	West Limit	100	6	50	LCB	0.2	7	R	15.0	1.0	6	49	68	79.5
050	Oke Road	County Road 4	Payne Line Road	200	4	80	G	1.4	6	R	15.0	0.5	5	66	77	-
051	Payne Line Road	Oke Road	County Road 4	200	6	50	G	2	6	R	20.0	0.5	5	185	83	-
052	Payne Line Road	County Road 4	Westerly	200	6	50	LCB	0.5	8	R	20.0	1.5	5	185	84	98
053	Rock Road	South Street	Douglas	300	5	60	LCB	1.7	8.5	R	20.0	1.3	5.5	390	87	91.5
054	Douglas	Rock Road	4th Line Road	300	5	60	LCB	2	8.5	R	20.0	0.8	5.5	221	87	81
55	A - Centre Dummer Road	4th Line Road	650m East of 4th Line Road	100	6	80	G	7.2	6	R	15.0	0.5	5	49	86	-
55	B - Centre Dummer Road	650m East of 4th Line Road	County Road 40	100	6	80	LCB	0.7	6	R	15.0	0.5	5	49	60	97
056	Rusaw Lane	County Road 40	West Limit	100	6	80	G	1.4	5	R	15.0	0.5	4	49	62	-
057	7th Line Road North Dummer	Centre Dummer	North Limit	100	6	50	G	1.2	6	R	20.0	0.5	4	49	87	-
058	4th Line Road South Dummer	Clifford Road	Centre Dummer Road	200	4	80	LCB	1.2	7	R	20.0	0.8	5.5	120	88	97
059	4th Line Road South Dummer	Centre Dummer Road	Cooper Road	200	4	80	G	2	7	R	15.0	0.8	5.5	98	80	-
060	4th Line Road South Dummer	Cooper Road	North Limit	200	4	80	G	2.5	6.4	R	15.0	0.5	5	98	63	-
062	Cooper Road	4th Line Road East	East Limit	100	6	80	G	1.4	5	R	15.0	0.5	4	49	81	-
063	Cooper Road	4th Line Road	Caves Road	200	5	60	LCB	1.8	7	R	20.0	0.5	6	179	94	99
064	3rd Line Road North Dummer	Caves Road	County Road 6	300	5	60	LCB	2.1	8	R	20.0	1.0	6	329	86	93
065	Caves Road	Cooper Road	County Road 4	200	5	60	LCB	1.6	8	R	20.0	1.0	6	148	96	100
066	Rock Road	Cooper Road	Douglas	200	5	60	LCB	2	8	R	15.0	0.5	5	177	76	57
067	Rock Road	Rock Road	Douglas Road	200	5	60	LCB	0.1	6	R	15.0	0.5	5	177	87	80
068	Sawmill Road	3rd Line Dummer	4th Line Dummer	300	5	60	LCB	2.3	6	R	15.0	0.5	5	231	82	92
069	4th Line Road North Dummer	Sawmill Road	North Limit	300	4	80	LCB	3.1	7.5	R	20.0	0.5	5	386	87	98

Section Number	Road Name	From	To	Traffic Class	Maint. Class	Speed Limit (km/h)	Surface Type	Length (km)	Platform Width (m)	Roadside Environment	ROW Width (m)	Shoulder Width (m)	Surface Width (m)	AADT (2025)	Total Rating	PCI
070	Batten Lane	4th Line	East Limit	100	6	80	G	0.2	5	R	15.0	0.5	4	49	54	-
071	McNaughton Lane	McNaughton Drive	North Limit	100	6	50	G	0.2	6	R	15.0	0.5	5	49	81	-
072	McNaughton Drive	County Road 6	McNaughton Lane	100	6	50	G	0.4	6	R	15.0	0.5	5	49	80	-
073	11th Line Road North Dummer	County Road 6	South Limit	300	4	80	HCB	1.2	8	R	20.0	0.5	8	276	85	65
074	South Bay Road	County Road 6	North Limit	200	4	80	LCB	1	7	R	20.0	0.5	5	110	85	99
076	Crowes Landing Road	County Road 6	North Limit	300	5	50	LCB	0.9	7	R	20.0	0.5	6	311	85	100
077	8th Line Road North Dummer	County Road 6	South Limit	200	5	60	G	0.6	7	R	20.0	0.5	5	119	78	-
079	Daleview Road	County Road 4	Division Road	300	5	50	HCB	0.7	7	S	20.0	0.5	7	425	80	100
081	Plati Avenue	Kingsdale	Television Road	300	5	50	LCB	0.5	9	S	20.0	0.3	8.5	298	76	91
082	Clinton Avenue	Plati Avenue	Gifford Drive	200	6	50	LCB	0.4	7	S	20.0	0.3	6.5	200	76	95
083	Gifford Drive	Television Road	Kingsdale	300	5	50	LCB	0.5	8.5	S	20.0	0.3	8	226	76	95
084	Kingsdale Drive	County Road 4	North Limit	300	5	50	LCB	0.6	8	S	20.0	0.5	7	309	76	95
085	Roxton Road	Kingsdale Drive	East Limit	100	6	50	LCB	0.1	6	S	20.0	0.3	5.5	49	76	95
086	Coral Drive	Television Road	East Limit	200	6	50	LCB	0.3	8	S	15.0	0.3	7.5	149	78	91
087	Highland Avenue	County Road 4	North Limit	100	6	50	LCB	0.2	6.5	S	15.0	0.5	5.5	49	78	86.5
088	Valleyview Avenue	Highland Avenue	County Road 4	100	6	50	LCB	0.2	6.5	S	15.0	0.3	6	49	78	80
089	Donwood Drive	County Road 4	Hillview Avenue	300	5	50	LCB	0.5	7	S	15.0	0.5	6	467	78	93
090	Hillview Avenue	Donwood Drive	Orchard Crescent	100	6	50	LCB	0.2	7	S	15.0	0.3	6.5	49	78	-
091	Orchard Crescent	Donwood Drive	Hillview Avenue	100	6	50	LCB	0.4	6	S	15.0	0.5	5	49	76	89.5
092	Maryvale Road	County Road 4	North Limit	200	6	50	LCB	0.4	7	S	15.0	0.5	6	128	76	89
093	Edgewood Avenue	County Road 4	South Limit	100	6	50	LCB	0.1	6	S	15.0	0.5	5	49	76	89
094	McNab Avenue	County Road	South Limit	100	6	50	LCB	0.1	6	S	15.0	0.5	5	49	71	89
095	Division Road	County Road 4	Burnham Line 10	400	4	60	LCB	0.8	7	R	20.0	0.3	6.5	550	80	73
096	Division Road	Burnham Line 10	Douro 7th Line	400	4	60	LCB	4.2	8	R	20.0	0.3	7.5	525	80	73
097	Division Road	Douro 7th Line	Highway 28 (formerly Highway 134)	300	5	60	LCB	1.3	7.5	R	20.0	0.3	7	495	84	81
098	Strickland Street	Highway 28 (formerly Highway 134)	Westerly 500 m (Lakefield limits)	400	5	40	LCB	0.4	6	U	20.0	0.5	5	901	80	-
100	Stenner Road	Highway 28	North Limit	200	5	60	LCB	0.5	7	R	15.0	0.5	6	166	80	76
102	Moodie Drive	Stenner Road	East Limit	200	6	50	LCB	0.8	6	R	15.0	0.5	5	99	71	63
105	Hilliard Way	Highway 28	West Limit	100	6	40	LCB	0.2	7	R	15.0	0.5	6	49	78	85
108	Thelgar Road	Highway 28	West Limit	100	6	50	LCB	0.3	6	R	15.0	0.5	5	49	83	78.5
109	South Beach Road	Highway 28	East Limit	200	6	50	LCB	0.6	7	R	20.0	0.5	6	140	82	82.5
110	Douro 3rd Line Road	South Beach	Rishor Avenue	200	6	50	LCB	0.4	7	R	15.0	0.5	6	75	78	93.5
112	Birchview Road	Highway 28	Camp Line Road	400	4	60	LCB	6.4	7	R	20.0	0.5	6	763	87	92.5
113	Douro 3rd Line Road	Birchview Road	South Limit	100	6	80	G	0.9	6	R	20.0	0.5	5	49	85	94
114	Henderson Road	Camp Line	West Limit	100	6	80	G	0.7	5	R	15.0	0.5	4	49	74	-

Section Number	Road Name	From	To	Traffic Class	Maint. Class	Speed Limit (km/h)	Surface Type	Length (km)	Platform Width (m)	Roadside Environment	ROW Width (m)	Shoulder Width (m)	Surface Width (m)	AADT (2025)	Total Rating	PCI
115	Douro 1st Line Road	County Road 6	North Limit	200	4	80	G	1.3	5	R	15.0	0.5	4	54	69	-
116	Douro 2nd Line Road	County Road 6	South Limit	100	6	80	G	0.5	5	R	15.0	0.5	4	49	78	-
117	Douro 4th Line	County Road 6	South Limit	100	6	80	G	4	4	R	15.0	0.5	3	49	75	-
118	Douro 4th Line Road	County Road 6	Highway 28	300	4	80	LCB	1.6	8	R	20.0	0.5	7	395	82	94
119	Douro 4th Line Road	Highway 28 Intersection	Birchview Road	100	6	80	G	0.1	6	R	15.0	0.5	5	49	82	-
120	Douro 5th Line	County Rd #6	Lynch Rock Road	200	4	80	G	1.5	6	R	20.0	0.5	5	145	86	-
121	Douro 5th Line Road	Lynch Rock Road	Strickland Road	200	4	50	LCB	0.3	7	R	20.0	0.5	6	171	78	81
122	Strickland Road	Highway 28 (formerly Highway 134)	Douro 5th Line	300	5	60	LCB	1.2	6	R	15.0	0.5	5	349	75	66.5
123	Block Road	Highway 28 (formerly Highway 134)	East Limit	100	6	80	HCB	0.1	7	R	20.0	0.5	6	49	94	95
126	Lynch's Rock Road	Douro 5th Line	Douro 3rd Line	200	4	80	LCB	2.8	7	R	20.0	0.5	6	195	82	84
127	Douro 3rd Line Road	Lynch's Rock Road	County Road 4	200	4	80	G	5.3	7	R	20.0	0.8	5.5	86	71	-
128	Cedar Cross Road	Douro 3rd Line	Payne Line Road	200	4	80	G	4.2	7	R	20.0	0.8	5.5	155	84	-
129	Douro 1st Line Road	Cedar Cross Road	North Limit	200	6	60	G	0.3	4	R	10.0	0.5	3	51	72	-
130	Douro 1st Line Road	Cedar Cross Road	County Road 4	200	4	80	G	3.1	7	R	20.0	0.8	5.5	83	81	-
131	Douro 1st Line Road	County Road 4	South Limit	100	6	80	G	0.7	5	R	15.0	0.5	4	49	75	-
132	Douro 2nd Line Road	County Road 4	County Road 8	200	5	60	LCB	2	7	R	20.0	0.5	5	157	75	75
133	Douro 2nd Line Road	Cedar Cross Road	County Road 4	200	4	80	G	3.6	6	R	20.0	0.5	5	109	84	-
134	Center Road	Douro 3rd Line	Douro 5th Line	100	6	80	G	2.9	6	R	15.0	0.5	4	49	76	-
135	Douro 4th Line Road	County Road 4	North Limit	200	4	80	G	3.9	6	R	15.0	0.5	5	125	82	-
136	Douro 4th Line Road	County Road 4	County Road 8	300	4	80	LCB	1.5	8	R	20.0	0.5	7	337	75	69.5
137	Douro 5th Line Road	Center Road	North Limit	100	6	80	G	1.3	5	R	15.0	0.5	4	16	83	-
138	Douro 5th Line Road	Center Road	County Road 4	200	4	80	G	1.8	6	R	15.0	0.5	5	113	83	-
139	Center Road	Douro 5th Line Road	Highway 28 (formerly Highway 134)	200	4	80	G	1.3	7	R	15.0	0.8	5.5	167	75	-
140	Center Road	Highway 28 (formerly Highway 134)	County Road 32	200	4	80	G	2.7	6	R	15.0	0.5	5	102	78	-
141	Hickey Road	7th Line Road	County Road 32	100	6	60	G	0.5	6	R	15.0	0.5	5	34	74	-
142	Douro 7th Line Road	Center Road	Hickey Road	100	6	80	G	1.2	5	R	15.0	0.5	4	34	74	-
143	A - Douro 8th Line Road	300m N of CR4	County Road 4	300	4	80	LCB	0.3	7	R	20.0	0.8	5.5	221	87	95
143	B - Douro 8th Line Road	County Road 32	300m N of CR4	300	4	80	G	3.6	7	R	20.0	0.8	5.5	221	75	-
144	Ayotte Crescent	8th Line Road	East Limit	100	6	40	LCB	0.2	7	R	20.0	0.5	6	49	85	95
145	Douro 7th Line Road	County Road 4	North Limit	100	6	80	G	1.7	5	R	15.0	0.5	4	37	78	-
146	Nassau Road	9th Line	County Road 4	300	5	60	LCB	2.9	8	R	20.0	0.5	7	442	77	62.5
147	Douro 9th Line	County Road 32	County Road 4	300	4	80	G	4.2	7	R	15.0	0.8	5.5	221	82	-
148	Carlow Line Road	Division Road	County Road 8	200	4	80	G	3.4	7	R	20.0	0.5	5	121	85	-
149	Douro 1st Line	Division Road	County Road 8	200	4	80	G	3.7	6	R	20.0	0.5	5	68	82	-
150	Douro 2nd Line Road	Division Road	County Road 8	200	4	80	LCB	3.6	7	R	20.0	0.5	6	150	85	81

Section Number	Road Name	From	To	Traffic Class	Maint. Class	Speed Limit (km/h)	Surface Type	Length (km)	Platform Width (m)	Roadside Environment	ROW Width (m)	Shoulder Width (m)	Surface Width (m)	AADT (2025)	Total Rating	PCI
151	Douro 4th Line Road	Division Road	Cooney Island Road	200	4	80	G	1.8	7	R	20.0	0.5	5	134	64	-
152	Douro 4th Line Road	Cooney Island Road	County Road 8	300	5	60	LCB	1.3	7	R	20.0	0.5	6	210	92	90.5
153	Cooney Island Road	4th Line Road	East Limit	100	6	80	G	2.5	5	R	15.0	0.5	4	49	75	-
155	Douro 5th Line Road	Division Road	North Limit (County Road 8)	200	4	80	G	2.4	7	R	20.0	0.8	5.5	74	83	-
156	Douro 5th Line Road	County Road 4	South Limit	100	6	80	G	0.01	7	R	20.0	1.0	5	49	82	-
157	Douro 7th Line Road	County Road 4	South Limit (Bradfield Road)	200	5	60	LCB	1.2	7	R	20.0	0.5	6	147	87	98
158	Douro 7th Line Road	Division Road	North Limit (Bradfield)	100	6	80	G	1.9	7	R	20.0	1.0	5	49	78	-
159	Old Douro Road	Highway 28 (formerly Highway 134)	County Road 8	100	6	80	G	0.5	5	R	15.0	0.5	4	49	56	-
160	Douro 8th Line Road	Division Road	North Limit	200	4	80	G	1.9	7	R	20.0	0.8	5.5	110	75	-
161	Douro 8th Line Road	County Road 4	250 m South	300	4	80	LCB	0.2	7	R	20.0	0.8	5.5	221	87	99
162	Bradfield Road	County Road 4	300 m South	200	5	60	LCB	0.3	6	R	20.0	0.5	4	84	85	90
163	Bradfield Road	Douro 7th Line Road	West 1.2 km	100	6	60	G	1.2	5	R	20.0	0.5	4	49	72	-
164	Douro 9th Line	County Road 4	Division Road	200	5	60	LCB	1.2	6	R	20.0	0.5	5	110	85	90
165	Douro 3rd Line Road	Division Road	County Road 8	300	4	80	G	3.3	6	R	20.0	0.5	5	208	83	-
166	Lonsberry Lane	County Road 4	East Limit	100	6	50	LCB	0.6	8	R	20.0	0.5	7	49	81	81
167	Canal Road	County Road 4	North Limit	200	6	50	LCB	0.7	6	R	20.0	0.5	5	179	81	91
168	Kerr Road	County Road 8	South Limit	100	6	80	G	0.1	7	R	20.0	1.0	5	49	74	-
169	Douro 4th Line Road	Highway 28	North Limit	100	6	80	G	0.5	6	R	20.0	0.5	5	49	84	-
170	Old Highway 28	South Beach Road	North Limit	100	6	50	LCB	0.3	7	R	20.0	0.5	6	49	79	90
171	Douro 3rd Line Road	County Road 4	South Limit	100	6	80	G	0.4	5	R	20.0	0.5	4	49	52	-
172	10th Line of Dummer	Webster Road	Dummer-Asphodel Road	200	4	80	G	2.8	7	R	20.0	0.8	5.5	124	77	-
173	Hickson Road	County Road 40	West Limit	100	6	80	G	0.4	5	R	15.0	0.5	4	49	71	-
174	English Line North	County Road 6	North Limit	100	6	80	G	0.9	5	R	20.0	0.5	4	49	83	-
175	3rd Line Road North Dummer	County Road 6	North Limit	100	6	80	G	0.2	6	R	20.0	0.5	4	49	80	-
176	Landfill Road	County Road 6	to Transfer Station	100	6	80	G	0.4	7	R	20.0	1.0	5	49	87	-
177	5th Line North Dummer	County Road 6	North Limit	100	6	80	G	0.1	5	R	20.0	0.5	4	49	83	-
178	6th Line South Dummer	County Road 6	South Limit	100	6	80	G	0.2	6	R	20.0	0.5	5	49	64	-
179	Galloway Drive	McCracken Landing	West Limit	100	6	50	LCB	0.1	7	R	20.0	0.5	6	49	81	100
200	6th Line South Dummer	Webster Road	County Rd 8	200	4	80	G	3.1	7	R	20.0	0.8	5.5	110	59	-
201	8th Line Dummer	Webster Road	County Rd. 8	200	4	80	G	2.9	7	R	20.0	0.8	5.5	110	75	-
202	1st Line Road Douro	County Road 6	South Limit	100	6	80	G	0.9	5	R	20.0	0.5	4	49	70	-
203	12th Line Road south Dummer (forced road section)	Highway No. 7	12th Line Road South Dummer (road allowance)	300	4	80	G	1.9	11	R	15.0	0.8	5.5	221	85	-
204	12th Line Road South Dummer (road allowance)	Forced Road Section	Private Lane	100	6	80	G	0.2	8	R	20.0	0.5	5	49	95	-
205	Little Lane	County Road 6	Gilcrest Bay	100	6	80	LCB	0.1	7	R	20.0	0.5	6	49	80	88

Section Number	Road Name	From	To	Traffic Class	Maint. Class	Speed Limit (km/h)	Surface Type	Length (km)	Platform Width (m)	Roadside Environment	ROW Width (m)	Shoulder Width (m)	Surface Width (m)	AADT (2025)	Total Rating	PCI
206	Ironwoods Drive	County Road 4	South Limit	100	6	50	LCB	0.4	7	R	20.0	0.5	6	49	81	92
206	A - Hawkins Rd.	Sixth Line	West Douro Dummer	100	6	80	G	0.3	6	R	20	0.5	5	49	76	-
207	5th Line Douro	Highway No. 28	County Road 6	100	6	80	G	0.4	6	R	20.0	0.5	5	49	64	-
208	Dummer Asphodel Road	11th Line Dummer	East End	100	6	80	G	0.3	6.5	R	20.0	0.8	5	49	80	-
209	Unnamed Road	McCracken's Landing Road	East Limit	100	6	80	G	0.1	7	R	15.0	1.0	5	49	84	-
210	Crowe's Landing Road	9th Line Dummer	Stony Lake	200	6	50	LCB	0.2	7	R	20.0	0.5	6	110	86	91.5
211	Television Road	County Road 4	North Limit	500	5	50	HCB	1.22	10	S	20	1.0	6.5	1210	84	89
212	Indacom Drive	County Road 4	South Limit	100	6	20	LCB	0.2	8	U	20	1.5	5	49	92	84

2025 Douro-Dummer Road Needs Study
Sidewalk and Storm Inventory Summary

Section	Road	From / To / SW Location	Sidewalk Dimensions, Condition	TWI's	Recommended Improvement	Cost/m2 Sidewalk	Cost of Sidewalk	S/W Time of Need	CB's/MHs	Storm Sewer (m)	Cost/m (250mm PVC)	Total Cost of STM Pipe	Total STM Structures	Avg. Cost / Structure	Total Cost of Structures	Total Cost of Improvement
1	McCracken's Landing	Stm outlet into Stony Lake, both sides	none		-		\$ -	One to Five	7	200	\$ 220.00	\$ 44,000.00	7.00	\$ 1,200.00	\$ 8,400.00	\$ 52,400.00
76	Crowe's Landing	Stm outlet into Stony Lake, west side only	none		-		\$ -	Five to Ten	4	120	\$ 220.00	\$ 26,400.00	4.00	\$ 1,200.00	\$ 4,800.00	\$ 31,200.00
44	English Line	County Road 4 - School Crosswalk, S side	45m L x 1.5m W, Good	1	-	\$ 200.00	\$ -	10+	0	0		\$ -	0.00	\$ 4,500.00		
45	Water Street	Intersection to Residential #884, W side	96m L x 1.2m W, Poor	0	1.5m Sidewalk	\$ 200.00	\$ 28,000.00	One to Five	0	0	\$ 400.00	\$ -	0.00	\$ 4,500.00	\$ -	\$ 28,000.00
	County Road 4 (Water Street)	West Street to English Line, W side	605m L x 1.5m W, Good	0	-	\$ 200.00	\$ -	10+	1-DCB, 1-CB	80		\$ -	2.00	\$ 4,500.00		
	County Road 4 (Water Street)	West Street to English Line, E side	605m L x 1.5m W, Good	0	-	\$ 200.00	\$ -	10+	2-DCB, 2-CB	600		\$ -	4.00	\$ 4,500.00		
	County Road 4 (Water Street)	IS of 4/38 to West Street, W side	252m L x 1.5m W, Good	1	-	\$ 200.00	\$ -	10+	2-CB	40		\$ -	2.00	\$ 4,500.00		
	County Road 4 (Water Street)	IS of 4/38 to West Street, E side	260m L x 1.5m W, Good	1	-	\$ 200.00	\$ -	10+	2-CB	260		\$ -	2.00	\$ 4,500.00		
	County Road 4 (Mill Street)	Church Street to IS of 4/38, N side	90m L x 1.1m W, Poor	1	1.5m Sidewalk	\$ 200.00	\$ 27,000.00	Now	2-CB	88	\$ 400.00	\$ 35,200.00	2.00	\$ 4,500.00	\$ 9,000.00	\$ 71,200.00
	County Road 4 (Mill Street)	Church Street to IS of 4/38, S side	102m L x 1.1m W, Poor	0	1.5m Sidewalk	\$ 200.00	\$ 30,000.00	Now	2-CB	40	\$ 400.00	\$ 16,000.00	2.00	\$ 4,500.00	\$ 9,000.00	\$ 55,000.00
43	Ford Street	County Road 4 CR38	none	0	1.5m Sidewalk	\$ 200.00	\$ -	10+	3-CB	100		\$ -	3.00	\$ 4,500.00		
	County Road 4	200m W of Ford Street to Ford Street, both sides	none	0	1.5m Sidewalk	\$ 200.00	\$ 180,000.00	One to Five	7-CB	200	\$ 400.00	\$ 80,000.00	7.00	\$ 4,500.00	\$ 31,500.00	\$ 291,500.00
	County Road 4 (Peterborough St)	Ford Street to Mill Street, W side	190m L x 1.1m, Fair	0	1.5m Sidewalk	\$ 200.00	\$ 60,000.00	One to Five	5-CB, 1-MH	250	\$ 400.00	\$100,000.00	6.00	\$ 4,500.00	\$ 27,000.00	\$ 187,000.00
	County Road 38 (South Street)	Ford Street to Water Street, W side	210m L x 1.5m W, Fair	0	1.5m Sidewalk	\$ 200.00	\$ 63,000.00	One to Five	1-CB, 1-MH	315	\$ 400.00	\$126,000.00	3.00	\$ 4,500.00	\$ 13,500.00	\$ 202,500.00
136	Douro 4th Line Road	CR8 to north end of school entrance, E side	30m L x 1.5m W, Good	1	-	\$ 200.00	\$ -	10+	2-CB	20		\$ -	2.00	\$ 4,500.00		
136	Douro 4th Line Road	CR8 to 50m north	50m L x 1.5m W, Good	1	-	\$ 200.00	\$ -	10+	2-CB	0		\$ -	2.00	\$ 4,500.00		
	County Road 8	4th Line to 130m West, N side	130m L x 1.1m W, Fair	1	1.5m Sidewalk	\$ 200.00	\$ 28,600.00	One to Five	3-CB	100	\$ 400.00	\$ 40,000.00	3.00	\$ 4,500.00	\$ 13,500.00	\$ 82,100.00
	County Road 8	4th Line to 50m East, N side	50m L x 1.1m W, Good	0	1.5m Sidewalk	\$ 200.00	\$ -	10+	0	75		\$ -	0.00	\$ 4,500.00		
	County Road 8	4th Line to 110m West, S side	80m L x 1.1m W - Fair, 30m x 1.5W - Good	1	1.5m Sidewalk	\$ 200.00	\$ 24,000.00	One to Five	3-CB	140	\$ 400.00	\$ 56,000.00	3.00	\$ 4,500.00	\$ 13,500.00	\$ 93,500.00
							\$ 440,600.00			2628		\$523,600.00	54.00		\$ 130,200.00	\$ 1,094,400.00

Appendix B: Road Condition Rating and Needs Summary

2025 Douro-Dummer Road Needs Study
Road Condition Rating and Needs Summary

Section Number	Road Name	From	To	Surface Type	Length (km)	Drainage (15)	Mntc Demand (10)	Shoulder Width (10)	Structural Adequacy (20)	Surface Condition (10)	Surface Width (15)	Horiz Alignment (10)	Vertical Alignment (10)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
001	McCrackens Landing	County Road 6	North Limit (Stoney Lake)	LCB	1.7	7	8	8	17	9	13	8	8	78	93.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 157,080.00	22
002	Birchview Road	McCrackens Landing	Camp Line Road	LCB	5.2	13	9	8	17	9	12	8	8	84	95	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 480,480.00	14
003	Camp Line Road	Birchview Drive	Henderson Road	LCB	2.7	13	9	8	17	9	12	8	8	84	71.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 249,480.00	13
004	Camp Line Road	Henderson Road	County Road 6	LCB	1.8	12	7	8	16	8	13	8	8	80	72.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 166,320.00	16
005	Golf Course Road	McCrackens Landing	Barnes Road	LCB	2.2	14	9	9	18	10	13	8	8	89	97	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 203,280.00	8
006	5th Line North Dummer	County Road 6	South Limits to include entrance to farm owned by Township End of Hawkins Lane	G	1.4	8	5	3	17	8	8	8	8	65	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 92,400.00	22
007	6th Line North Dummer	County Road 6		G	1.4	13	7	8	16	8	7	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
8	A - Gilchrist Bay Road	County Road 6	Little Lane	LCB	1	11	6	5	12	6	6	8	8	62	91.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 105,600.00	23
8	B - Gilchrist Bay Road	Little Lane	West End	G	0.3	4	2	4	10	4	12	8	8	52	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 23,760.00	29
009	Howard Drive	County Road 6	South Limit	G	0.1	10	5	6	13	6	12	8	8	68	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 7,920.00	20
010	Dummer Lake Road East	County Road 6	South Limit (to start of Private road)	LCB	1.3	13	9	9	18	9	12	8	8	86	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 137,280.00	10
011	Ivendale Road	Dummer Lake Road East	West Limit	G	0.4	12	8	8	18	9	10	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
012	White Lake Road West	County Road 6	South Limit	LCB	2.7	11	6	6	15	6	13	8	8	73	76.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 213,840.00	20
13	A - Division Road	Indian River Line	Douro 3rd Line	LCB	1.3	13	5	8	17	5	13	8	8	77	67	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 137,280.00	25
13	B -Division Road	Douro 3rd Line	Douro 5th Line	LCB	2.8	13	8	8	17	8	13	8	8	83	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 295,680.00	19
13	C - Division Road	Douro 5th Line	Highway 28 (formerly Highway 134)	LCB	1.3	13	5	8	17	5	15	8	8	79	68	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 137,280.00	23
014	Division Road	Indian River Line		LCB	2.7	15	5	7	15	5	15	8	8	78	61.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 267,300.00	22
015	Dummer Asphodel Road	Carlow Line	County Road 38	LCB	1.4	15	7	7	17	7	14	8	8	83	85	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 138,600.00	17
016	Dummer Asphodel Road	County Road 38	400 m East of 4th Line (at bridge)	LCB	3.3	15	9	8	18	9	14	8	8	89	90.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 326,700.00	11
017	Dummer Asphodel Road	Bridge	County Road 8	LCB	1.1	15	9	3	18	9	9	8	8	79	90.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 108,900.00	21
018	7th Line South Dummer	County Road 8	North Limit	G	0.8	10	6	5	14	5	13	8	8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 52,800.00	19
019	8th Line South Dummer	Webster Road	North Limit	G	3.6	12	4	5	15	4	13	8	8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 380,160.00	23
020	Webster Road	County Road 40	10th Line South Dummer	G	1.3	13	9	4	18	8	8	8	8	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
021	Dummer Asphodel Road	County Road 40	11th Line South Dummer	HCB	2.8	14	8	10	18	9	14	8	8	89	90	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 1,078,000.00	8
23	A - 11th Line South Dummer	Dummer-Asphodel Road	North Limit	HCB	0.5	14	9	10	18	10	15	8	8	92	94.5	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 248,645.83	6
23	B - 11th Line South Dummer	Dummer-Asphodel Road	North Limit	G	0.4	13	9	10	18	10	12	8	8	88	-	None	Resurface	6-10	10	\$ -	\$ -	10
024	12th Line South Dummer	Forced Road Section	North Limit	G	6.3	14	8	8	17	8	13	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	11
025	Simpson Road	12th Line	East Limit	G	0.9	7	5	5	15	6	13	8	8	67	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 71,280.00	23
026	Mill Line Road	County Road 40	Bridge (East End)	G	1.3	12	7	8	15	7	13	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
027	Mill Line Road	Bridge	East Limit	G	1.7	12	7	8	15	7	13	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
028	11th Line Road Mid Dummer	Mill Line Road	North Limit	G	0.9	10	7	7	15	7	11	8	8	73	-	None	Resurface	Now	10	\$ -	\$ -	17
029	Webster Road	County Road 40	County Road 8 (5th Line Road South Dummer)	LCB	5.6	15	8	5	17	7	15	8	8	83	57.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 517,440.00	16
030	7th Line Road Mid-Dummer	Webster Road	North Limit	G	0.2	12	3	2	14	4	8	8	8	59	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 14,520.00	25
031	6th Line Road South Dummer	Webster Road	North Limit	G	1.9	12	4	5	16	4	13	8	8	70	-	None	Resurface	Now	10	\$ -	\$ -	18
032	5th Line Road South Dummer	Webster Road	North Limit	G	2	12	4	5	16	4	13	8	8	70	-	None	Resurface	Now	10	\$ -	\$ -	20
033	4th Line Road South Dummer	County Road 8	Division Road	G	3.1	15	7	10	19	8	15	8	8	90	-	None	Resurface	6-10	10	\$ -	\$ -	7
034	3rd Line Road South Dummer	Division Road	North Limit	G	0.4	8	3	5	15	4	13	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 26,400.00	22
035	3rd Line Road South Dummer	County Road 8	South Limit	G	1.3	10	7	7	17	6	8	8	8	71	-	None	Resurface	Now	10	\$ -	\$ -	17
036	3rd Line Road South Dummer	County Road 8	Clifford Road	G	3	12	7	8	19	9	9	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	13
037	4th Line Road South Dummer	Clifford Road	County Road 8	LCB	3.2	10	4	8	15	4	8	8	8	65	67	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 394,240.00	25
038	Clifford Road	4th Line South Dummer	3rd Line Road	G	1.3	13	7	9	18	8	9	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	14
039	Clifford Road	3rd Line Road South Dummer (west)	South Street	LCB	2	12	8	8	17	8	13	8	8	82	81.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 171,600.00	13
040	Banks Avenue	County Road 8	East Limit	LCB	0.2	12	8	8	17	8	13	8	8	82	77	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 15,840.00	11
043	Ford Street	East of South Street	Peterborough Street	HCB	0.2	12	7	7	15	7	13	8	8	77	87	Mill & Pave - Urban Overlay - Rural	Resurface	1-5	15	\$ 29.17	\$ 70,583.33	26
044	English Line (South)	County Road 4	South Limit	LCB	0.2	6	6	3	12	4	8	8	8	55	54.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 21,120.00	32
045	Water Street	Ford Street	Mill Street	LCB	0.2	8	5	7	10	5	12	8	8	63	52	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 28,160.00	23
046	Mill Street	West Limit	Peterborough Street	LCB	0.1	8	5	4	10	5	10	8	8	58	56	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 14,080.00	26
048	Church Street	Mill Street	West Street	LCB	0.2	10	6	6	14	7	11	8	8	70	57	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 21,120.00	18
049	West Street	County Road 4	West Limit	LCB	0.2	10	6	6	14	6	10	8	8	68	79.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 24,640.00	20
050	Oke Road	County Road 4	Payne Line Road	G	1.4	12	7	8	15	8	11	8	8	77	-	None	Resurface	1-5	10	\$ -	\$ -	15
051	Payne Line Road	Oke Road	County Road 4	G	2	13	7	8	18	8	13	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	13
052	Payne Line Road	County Road 4	Westerly	LCB	0.5	12	8	9	18	8	13	8	8	84	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 52,800.00	12
053	Rock Road	South Street	Douglas	LCB	1.7	13	9	9	18	9	13	8	8	87	91.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 190,740.00	12
054	Douglas	Rock Road	4th Line Road	LCB	2	13	9	9	18	9	13	8	8	87	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 224,400.00	10
55	A - Centre Dummer Road	4th Line Road	650m East of 4th Line Road	G	7.2	13	9	8	18	9	13	8	8	86	-	None	Resurface	6-10	10	\$ -	\$ -	9
55	B - Centre Dummer Road	650m East of 4th Line Road	County Road 40	LCB	0.7	8	5	5	14	4	8	8	8	60	97	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 73,920.00	25
056	Rusaw Lane	County Road 40	West Limit	G	1.4	7	6	4	14	7	8	8	8	62	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 92,400.00	23
057	7th Line Road North Dummer	Centre Dummer	North Limit	G	1.2	13	9	9	18	9	13	8	8	87	-	None	Resurface	6-10	10	\$ -	\$ -	8
058	4th Line Road South Dummer	Clifford Road	Centre Dummer Road	LCB	1.2	13	9	9	18	9	14	8	8	88	97	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 110,880.00	9
059	4th Line Road South Dummer	Centre Dummer Road	Cooper Road	G	2	13	9	8	15	7	12	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	14
060	4th Line Road South Dummer	Cooper Road	North Limit	G	2.5	10	5	5	14	5	8	8	8	63	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 211,200.00	25
062	Cooper Road	4th Line Road East	East Limit	G	1.4	12	8	8	17	8	12	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
063	Cooper Road	4th Line Road	Caves Road	LCB	1.8	14	10	9	20	10	15	8	8	94	99	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 166,320.00	5
064	3rd Line Road North Dummer	Caves Road	County Road 6	LCB	2.1	13	8	9	18	8	14	8	8	86	93	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 221,760.00	12
065	Caves Road	Cooper Road	County Road 4	LCB	1.6	15	10	10	20	10	15	8	8	96	100	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 168,960.00	3
066	Rock Road	Cooper Road	Douglas	LCB	2	12	7	7	15	7	12	8	8	76	57	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 211,200.00	18
067	Rock Road	Rock Road	Douglas Road	LCB	0.1	13	9	9	18	9	13	8	8	87	80	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 7,920.00	10
068	Sawmill Road	3rd Line Dummer	4th Line Dummer	LCB	2.3	13	9	8	17	8	11	8	8	82	92	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 182,160.00	15
06																						

Section Number	Road Name	From	To	Surface Type	Length (km)	Drainage (15)	Mtc Demand (10)	Shoulder Width (10)	Structural Adequacy (20)	Surface Condition (10)	Surface Width (15)	Horiz Alignment (10)	Vertical Alignment (10)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
100	Stenner Road	Highway 28	North Limit	LCB	0.5	12	7	8	17	8	12	8	8	80	76	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 46,200.00	15
102	Moodie Drive	Stenner Road	East Limit	LCB	0.8	10	7	7	13	6	12	8	8	71	63	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 63,360.00	20
105	Hillard Way	Highway 28	West Limit	LCB	0.2	12	6	9	17	7	11	8	8	78	85	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 18,480.00	14
108	Thelgar Road	Highway 28	West Limit	LCB	0.3	13	8	9	18	7	12	8	8	83	78.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 23,760.00	10
109	South Beach Road	Highway 28	East Limit	LCB	0.6	13	7	9	18	7	12	8	8	82	82.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 55,440.00	13
110	Douro 3rd Line Road	South Beach	Rahor Avenue	LCB	0.4	13	7	7	18	7	10	8	8	78	93.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 36,960.00	14
112	Birchview Road	Highway 28	Camp Line Road	LCB	6.4	13	9	9	18	9	13	8	8	87	92.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 591,360.00	14
113	Douro 3rd Line Road	Birchview Road	South Limit	G	0.9	12	9	9	18	9	12	8	8	85	94	None	Resurface	6-10	10	\$ -	\$ -	9
114	Henderson Road	Camp Line	West Limit	G	0.7	15	8	5	15	8	7	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	16
115	Douro 1st Line Road	County Road 6	North Limit	G	1.3	12	6	5	16	6	8	8	8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 85,800.00	19
116	Douro 2nd Line Road	County Road 6	South Limit	G	0.5	13	9	8	17	8	7	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	14
117	Douro 4th Line	County Road 6	South Limit	G	4	12	7	6	16	7	11	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
118	Douro 4th Line Road	County Road 6	Highway 28	LCB	1.6	13	8	8	17	8	12	8	8	82	94	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 168,960.00	16
119	Douro 4th Line Road	Highway 28 Intersection	Birchview Road	G	0.1	13	8	8	17	8	12	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	11
120	Douro 5th Line	County Rd #6	Lynch Rock Road	G	1.5	15	8	8	18	9	12	8	8	86	-	None	Resurface	6-10	10	\$ -	\$ -	10
121	Douro 5th Line Road	Lynch Rock Road	Strickland Road	LCB	0.3	12	8	7	16	8	11	8	8	78	81	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 27,720.00	17
122	Strickland Road	Highway 28 (formerly Highway 134)	Douro 5th Line	LCB	1.2	12	7	7	15	7	11	8	8	75	66.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 95,040.00	22
123	Block Road	Highway 28 (formerly Highway 134)	East Limit	HCB	0.1	15	9	10	20	9	15	8	8	94	95	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 22,458.33	4
126	Lynch's Rock Road	Douro 5th Line	Douro 3rd Line	LCB	2.8	13	8	8	17	8	12	8	8	82	84	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 258,720.00	14
127	Douro 3rd Line Road	Lynch's Rock Road	County Road 4	G	5.3	10	5	7	16	5	12	8	8	71	-	None	Resurface	Now	10	\$ -	\$ -	19
128	Cedar Cross Road	Douro 3rd Line	Payne Line Road	G	4.2	13	7	8	18	8	14	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	12
129	Douro 1st Line Road	Cedar Cross Road	North Limit	G	0.3	12	7	5	17	7	8	8	8	72	-	None	Resurface	Now	10	\$ -	\$ -	17
130	Douro 1st Line Road	Cedar Cross Road	County Road 4	G	3.1	12	7	8	17	8	13	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	13
131	Douro 1st Line Road	County Road 4	South Limit	G	0.7	12	6	7	16	6	12	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
132	Douro 2nd Line Road	County Road 4	County Road 8	LCB	2	12	6	7	16	6	12	8	8	75	75	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 184,800.00	19
133	Douro 2nd Line Road	Cedar Cross Road	County Road 4	G	3.6	13	7	8	18	9	13	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	11
134	Center Road	Douro 3rd Line	Douro 5th Line	G	2.9	12	7	6	15	11	9	8	8	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
135	Douro 4th Line Road	County Road 4	North Limit	G	3.9	13	7	8	17	8	13	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	13
136	Douro 4th Line Road	County Road 4	County Road 8	LCB	1.5	12	6	7	15	7	12	8	8	75	69.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 158,400.00	22
137	Douro 5th Line Road	Center Road	North Limit	G	1.3	12	9	7	18	9	12	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	9
138	Douro 5th Line Road	Center Road	County Road 4	G	1.8	12	9	7	18	9	12	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	12
139	Center Road	Douro 5th Line Road	Highway 28 (formerly Highway 134)	G	1.3	8	7	7	16	8	13	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	19
140	Center Road	Highway 28 (formerly Highway 134)	County Road 32	G	2.7	13	7	7	16	8	11	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	15
141	Hickey Road	7th Line Road	County Road 32	G	0.5	10	6	7	17	8	10	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	15
142	Douro 7th Line Road	Center Road	Hickey Road	G	1.2	10	6	7	17	8	10	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	15
143	A - Douro 8th Line Road	300m N of CR4	County Road 4	LCB	0.3	13	9	9	18	9	13	8	8	87	95	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 27,720.00	10
143	B - Douro 8th Line Road	County Road 32	300m N of CR4	G	3.6	9	7	7	17	6	13	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	20
144	Ayotte Crescent	8th Line Road	East Limit	LCB	0.2	13	8	8	18	8	14	8	8	85	95	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 18,480.00	9
145	Douro 7th Line Road	County Road 4	North Limit	G	1.7	12	6	7	17	9	11	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	13
146	Nassau Road	9th Line	County Road 4	LCB	2.9	12	6	8	16	7	12	8	8	77	62.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 306,240.00	22
147	Douro 9th Line	County Road 32	County Road 4	G	4.2	13	7	8	18	8	12	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	14
148	Carlaw Line Road	Division Road	County Road 8	G	3.4	14	7	9	18	8	13	8	8	85	-	None	Resurface	6-10	10	\$ -	\$ -	11
149	Douro 1st Line	Division Road	County Road 8	G	3.7	13	7	8	17	8	13	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	12
150	Douro 2nd Line Road	Division Road	County Road 8	LCB	3.6	13	8	8	18	9	13	8	8	85	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 332,640.00	11
151	Douro 4th Line Road	Division Road	Cooney Island Road	G	1.8	4	4	7	15	4	14	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 166,320.00	26
152	Douro 4th Line Road	Cooney Island Road	County Road 8	LCB	1.3	15	9	10	19	9	14	8	8	92	90.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 120,120.00	6
153	Cooney Island Road	4th Line Road	East Limit	G	2.5	10	7	6	16	8	12	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
155	Douro 5th Line Road	Division Road	North Limit (County Road 8)	G	2.4	13	7	8	18	8	13	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	11
156	Douro 5th Line Road	County Road 4	South Limit	G	0.01	13	7	8	18	8	12	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	11
157	Douro 5th Line Road	County Road 4	South Limit (Bradfield Road)	LCB	1.2	13	9	9	18	9	13	8	8	87	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 110,880.00	10
158	Douro 7th Line Road	Division Road	North Limit (Bradfield)	G	1.9	11	7	8	17	7	12	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	14
159	Old Douro Road	Highway 28 (formerly Highway 134)	County Road 8	G	0.5	7	4	3	14	6	6	8	8	56	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 33,000.00	27
160	Douro 8th Line Road	Division Road	North Limit	G	1.9	11	5	9	16	5	13	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	18
161	Douro 8th Line Road	County Road 4	250 m South	LCB	0.2	13	9	9	18	9	13	8	8	87	99	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 18,480.00	10
162	Bradfield Road	County Road 4	300 m South	LCB	0.3	13	9	8	18	9	12	8	8	85	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 23,760.00	10
163	Bradfield Road	Douro 7th Line Road	West 1.2 km	G	1.2	12	6	5	17	8	8	8	8	72	-	None	Resurface	Now	10	\$ -	\$ -	17
164	Douro 9th Line	County Road 4	Division Road	LCB	1.2	13	9	8	18	8	13	8	8	85	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 95,040.00	11
165	Douro 3rd Line Road	Division Road	County Road 8	G	3.3	13	7	8	18	8	13	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	13
166	Lonsberry Lane	County Road 4	East Limit	LCB	0.6	12	8	8	18	7	12	8	8	81	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 63,360.00	12
167	Canal Road	County Road 4	North Limit	LCB	0.7	13	8	7	16	8	13	8	8	81	91	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 55,440.00	15
168	Kerr Road	County Road 8	South Limit	G	0.1	10	7	6	17	8	10	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	16
169	Douro 4th Line Road	Highway 28	North Limit	G	0.5	13	7	8	18	9	13	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	10
170	Old Highway 28	South Beach Road	North Limit	LCB	0.3	8	7	8	18	9	13	8	8	79	90	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 27,720.00	13
171	Douro 3rd Line Road	County Road 4	South Limit	G	0.4	8	4	5	8	4	7	8	8	52	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 26,400.00	29
172	10th Line of Dummer	Webster Road	Dummer-Asphodel Road	G	2.8	14	9	5	16	7	10	8	8	77	-	None	Resurface	1-5	10	\$ -	\$ -	16
173	Hickson Road	County Road 40	West Limit	G	0.4	12	8	4	15	8	8	8	8	71	-	None	Resurface	Now	10	\$ -	\$ -	18
174	English Line North	County Road 6	North Limit	G	0.9	12	8	8	18	9	12	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	10
175	3rd Line Road North Dummer	County Road 6	North Limit	G	0.2	13	7	7	17	8	12	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
176	Landfill Road	County Road 6	to Transfer Station	G	0.4	13	9	10	18	9	12	8	8	87	-	None	Resurface	6-10	10	\$ -	\$ -	8
177	5th Line North Dummer	County Road 6	North Limit	G	0.1	12	8	8	18	9	12	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	10
178	6th Line South Dummer	County Road 6	South Limit	G	0.2	5	4	9	14	6	10	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 15,840.00	2

Appendix C: Road Improvements by Priority
Road Improvements by PCI

2025 Douro-Dummer Road Needs Study
Road Improvement by Pavement Condition Index

Section Number	Road Name	From	To	Surface Type	Length (km)	Drainage (15)	Mntc Demand (10)	Shoulder Width (10)	Structural Adequacy (20)	Surface Condition (10)	Surface Width (15)	Horiz Alignment (10)	Vertical Alignment (10)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
045	Water Street	Ford Street	Mill Street	LCB	0.2	8	5	7	10	5	12	8	8	63	52	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 28,160.00	23
044	English Line (South)	County Road 4	South Limit	LCB	0.2	6	6	3	12	4	8	8	8	55	54.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 21,120.00	32
046	Mill Street	West Limit	Peterborough Street	LCB	0.1	8	5	4	10	5	10	8	8	58	56	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 14,080.00	26
048	Church Street	Mill Street	West Street	LCB	0.2	10	6	6	14	7	11	8	8	70	57	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 21,120.00	18
066	Rock Road	Cooper Road	Douglas	LCB	2	12	7	7	15	7	12	8	8	76	57	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 21,200.00	18
029	Webster Road	County Road 40	County Road 8 (5th Line Road South Dummer)	LCB	5.6	15	8	5	17	7	15	8	8	83	57.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 517,440.00	16
014	Division Road	Indian River Line	Carlow Line	LCB	2.7	15	5	7	15	5	15	8	8	78	61.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 267,300.00	22
146	Nassau Road	9th Line	County Road 4	LCB	2.9	12	6	8	16	7	12	8	8	77	62.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 306,240.00	22
102	Moodie Drive	Stenner Road	East Limit	LCB	0.8	10	7	7	13	6	12	8	8	71	63	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 63,360.00	20
073	11th Line Road North Dummer	County Road 6	South Limit	HCB	1.2	12	8	10	18	9	12	8	8	85	65	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 308,000.00	13
122	Strickland Road	Highway 28 (formerly Highway 134)	Douro 5th Line	LCB	1.2	12	7	7	15	7	11	8	8	75	66.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 95,040.00	22
037	4th Line Road South Dummer	Clifford Road	County Road 8	LCB	3.2	10	4	8	15	4	8	8	8	65	67	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 394,240.00	25
13	A - Division Road	Indian River Line	Douro 3rd Line	LCB	1.3	13	5	8	17	5	13	8	8	77	67	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 137,280.00	25
13	C - Division Road	Douro 5th Line	Highway 28 (formerly Highway 134)	LCB	1.3	13	5	8	17	5	15	8	8	79	68	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 137,280.00	23
136	Douro 4th Line Road	County Road 4	County Road 8	LCB	1.5	12	6	7	15	7	12	8	8	75	69.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 158,400.00	22
003	Camp Line Road	Birchview Drive	Henderson Road	LCB	2.7	13	9	8	17	9	12	8	8	84	71.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 249,480.00	13
004	Camp Line Road	Henderson Road	County Road 6	LCB	1.8	12	7	8	16	8	13	8	8	80	72.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 166,320.00	16
095	Division Road	County Road 4	Burnham Line 10	LCB	0.8	12	6	9	17	7	13	8	8	80	73	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 73,920.00	20
096	Division Road	Burnham Line 10	Douro 7th Line	LCB	4.2	12	6	9	17	7	13	8	8	80	73	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 443,520.00	20
132	Douro 2nd Line Road	County Road 4	County Road 8	LCB	2	12	6	7	16	6	12	8	8	75	75	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 184,800.00	19
100	Stenner Road	Highway 28	North Limit	LCB	0.5	12	7	8	17	8	12	8	8	80	76	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 46,200.00	15
012	White Lake Road West	County Road 6	South Limit	LCB	2.7	11	6	6	15	6	13	8	8	73	76.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 213,840.00	20
040	Banks Avenue	County Road 8	East Limit	LCB	0.2	12	8	8	17	8	13	8	8	82	77	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 15,840.00	11
108	Thelgar Road	Highway 28	West Limit	LCB	0.3	13	8	9	18	7	12	8	8	83	78.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 23,760.00	10
049	West Street	County Road 4	West Limit	LCB	0.2	10	6	6	14	6	10	8	8	68	79.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 24,640.00	20
088	Valleyview Avenue	Highland Avenue	County Road 4	LCB	0.2	12	7	7	17	7	12	8	8	78	80	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 17,160.00	14
067	Rock Road	Rock Road	Douglas Road	LCB	0.1	13	9	9	18	9	13	8	8	87	80	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 7,920.00	10
121	Douro 5th Line Road	Lynch Rock Road	Strickland Road	LCB	0.3	12	8	7	16	8	11	8	8	78	81	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 27,720.00	17
097	Division Road	Douro 7th Line	Highway 28 (formerly Highway 134)	LCB	1.3	12	8	9	18	8	13	8	8	84	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 128,700.00	15
166	Lonsberry Lane	County Road 4	East Limit	LCB	0.6	12	8	8	18	7	12	8	8	81	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 63,360.00	12
150	Douro 2nd Line Road	Division Road	County Road 8	LCB	3.6	13	8	8	18	9	13	8	8	85	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 332,640.00	11
054	Douglas	Rock Road	4th Line Road	LCB	2	13	9	9	18	9	13	8	8	87	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 224,400.00	10
039	Clifford Road	3rd Line Road South Dummer (west)	South Street	LCB	2	12	8	8	17	8	13	8	8	82	81.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 171,600.00	13
109	South Beach Road	Highway 28	East Limit	LCB	0.6	13	7	9	18	7	12	8	8	82	82.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 55,440.00	13
126	Lynch's Rock Road	Douro 5th Line	Douro 3rd Line	LCB	2.8	13	8	8	17	8	12	8	8	82	84	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 258,720.00	14
212	Indacom Drive	County Road 4	South Limit	LCB	0.2	15	9	10	18	9	15	8	8	92	84	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 21,120.00	5
015	Dummer Asphodel Road	Carlow Line	County Road 38	LCB	1.4	15	7	7	17	7	14	8	8	83	85	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 138,600.00	17
105	Hilliard Way	Highway 28	West Limit	LCB	0.2	12	6	9	17	7	11	8	8	78	85	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 18,480.00	14
098	Strickland Street	Highway 28 (formerly Highway 134)	Westerly 500 m (Lakefield limits)	LCB	0.4	12	8	8	16	8	12	8	8	80	85	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 31,680.00	22
087	Highland Avenue	County Road 4	North Limit	LCB	0.2	12	7	7	17	7	12	8	8	78	86.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 17,160.00	14
043	Ford Street	East of South Street	Peterborough Street	HCB	0.2	12	7	7	15	7	13	8	8	77	87	Mill & Pave - Urban Overlay - Rural	Resurface	1-5	15	\$ 29.17	\$ 70,583.33	26
205	Little Lane	County Road 6	Gilcrest Bay	LCB	0.1	7	7	8	17	10	15	8	8	80	88	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 9,240.00	12
211	Television Road	County Road 4	North Limit	HCB	1.22	10	9	10	18	9	12	8	8	84	89	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 391,416.67	19
094	McNab Avenue	County Road	South Limit	LCB	0.1	7	7	7	17	7	10	8	8	71	89	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 7,920.00	18
092	Maryvale Road	County Road 4	North Limit	LCB	0.4	12	7	7	17	7	10	8	8	76	89	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 36,960.00	17
093	Edgewood Avenue	County Road 4	South Limit	LCB	0.1	12	7	7	17	7	10	8	8	76	89	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 7,920.00	15
090	Hillview Avenue	Donwood Drive	Orchard Crescent	LCB	0.2	12	7	7	17	7	12	8	8	78	89	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 18,480.00	14
091	Orchard Crescent	Donwood Drive	Hillview Avenue	LCB	0.4	12	7	7	17	7	10	8	8	76	89.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 31,680.00	15
170	Old Highway 28	South Beach Road	North Limit	LCB	0.3	8	7	8	18	9	13	8	8	79	90	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 27,720.00	13
164	Douro 9th Line	County Road 4	Division Road	LCB	1.2	13	9	8	18	8	13	8	8	85	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 95,040.00	11
010	Dummer Lake Road East	County Road 6	South Limit (to start of Private road)	LCB	1.3	13	9	9	18	9	12	8	8	86	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 137,280.00	10
162	Bradfield Road	County Road 4	300 m South	LCB	0.3	13	9	8	18	9	12	8	8	85	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 23,760.00	10
021	Dummer Asphodel Road	County Road 40	11th Line South Dummer	HCB	2.8	14	8	10	18	9	14	8	8	89	90	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 1,078,000.00	8
017	Dummer Asphodel Road	Bridge	County Road 8	LCB	1.1	15	9	3	18	9	9	8	8	79	90.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 108,900.00	21
016	Dummer Asphodel Road	County Road 38	400 m East of 4th Line (at bridge)	LCB	3.3	15	9	8	18	9	14	8	8	89	90.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 326,700.00	11
152	Douro 4th Line Road	Cooney Island Road	County Road 8	LCB	1.3	15	9	10	19	9	14	8	8	92	90.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 120,120.00	6
081	Plati Avenue	Kingsdale	Television Road	LCB	0.5	12	7	7	17	7	10	8	8	76	91	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 59,400.00	21
086	Coral Drive	Television Road	East Limit	LCB	0.3	12	7	7	17	7	12	8	8	78	91	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 31,680.00	16
167	Canal Road	County Road 4	North Limit	LCB	0.7	13	8	7	16	8	13	8	8	81	91	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 55,440.00	15
8	A - Gilchrist Bay Road	County Road 6	Little Lane	LCB	1	11	6	5	12	6	6	8	8	62	91.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 105,600.00	23
053	Rock Road	South Street	Douglas	LCB	1.7	13	9	9	18	9	13	8	8	87	91.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 190,740.00	12
210	Crowe's Landing Road	9th Line Dummer	Stony Lake	LCB	0.2	12	8	10	18	9	13	8	8	86	91.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 18,480.00	10
068	Sawmill Road	3rd Line Dummer	4th Line Dummer	LCB	2.3	13	9	8	17	8	11	8	8	82	92	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 182,160.00	15
206	Ironwoods Drive	County Road 4	South Limit	LCB	0.4	12	8	8	17	8	12	8	8	81	92	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 36,960.00	12
112	Birchview Road	Highway 28	Camp Line Road	LCB	6.4	13	9	9	18	9	13	8	8	87	92.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 591,360.00	14
089	Donwood Drive	County Road 4	Hillview Avenue	LCB	0.5	12	7	7	17	7	12	8	8	78	93	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 46,200.00	

Section Number	Road Name	From	To	Surface Type	Length (km)	Drainage (15)	Mntc Demand (10)	Shoulder Width (10)	Structural Adequacy (20)	Surface Condition (10)	Surface Width (15)	Horiz Alignment (10)	Vertical Alignment (10)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
171	Douro 3rd Line Road	County Road 4	South Limit	G	0.4	8	4	5	8	4	7	8	8	52	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 26,400.00	29
200	6th Line South Dummer	Webster Road	County Rd 8	G	3.1	7	3	6	14	3	10	8	8	59	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 286,440.00	29
070	Batten Lane	4th Line	East Limit	G	0.2	9	6	3	12	5	3	8	8	54	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 13,200.00	28
159	Old Douro Road	Highway 28 (formerly Highway 134)	County Road 8	G	0.5	7	4	3	14	6	6	8	8	56	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 33,000.00	27
151	Douro 4th Line Road	Division Road	Cooney Island Road	G	1.8	4	4	7	15	4	14	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 166,320.00	26
060	4th Line Road South Dummer	Cooper Road	North Limit	G	2.5	10	5	5	14	5	8	8	8	63	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 211,200.00	25
030	7th Line Road Mid-Dummer	Webster Road	North Limit	G	0.2	12	3	2	14	4	8	8	8	59	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 14,520.00	25
019	8th Line South Dummer	Webster Road	North Limit	G	3.6	12	4	5	15	4	13	8	8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 380,160.00	23
056	Rusaw Lane	County Road 40	West Limit	G	1.4	7	6	4	14	7	8	8	8	62	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 92,400.00	23
025	Simpson Road	12th Line	East Limit	G	0.9	7	5	5	15	6	13	8	8	67	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 71,280.00	23
034	3rd Line Road South Dummer	Division Road	North Limit	G	0.4	8	3	5	15	4	13	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 26,400.00	22
178	6th Line South Dummer	County Road 6	South Limit	G	0.2	5	4	9	14	6	10	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 15,840.00	22
207	5th Line Douro	Highway No. 28	County Road 6	G	0.4	8	5	6	12	5	12	8	8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 31,680.00	22
006	5th Line North Dummer	County Road 6	South Limits to include entrance to farm owned by Township	G	1.4	8	5	3	17	8	8	8	8	65	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 92,400.00	22
143	B - Douro 8th Line Road	County Road 32	300m N of CR4	G	3.6	9	7	7	17	6	13	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	20
009	Howard Drive	County Road 6	South Limit	G	0.1	10	5	6	13	6	12	8	8	68	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 7,920.00	20
032	5th Line Road South Dummer	Webster Road	North Limit	G	2	12	4	5	16	4	13	8	8	70	-	None	Resurface	Now	10	\$ -	\$ -	20
127	Douro 3rd Line Road	Lynch's Rock Road	County Road 4	G	5.3	10	5	7	16	5	12	8	8	71	-	None	Resurface	Now	10	\$ -	\$ -	19
115	Douro 1st Line Road	County Road 6	North Limit	G	1.3	12	6	5	16	6	8	8	8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 85,800.00	19
018	7th Line South Dummer	County Road 8	North Limit	G	0.8	10	6	5	14	5	13	8	8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 52,800.00	19
139	Center Road	Douro 5th Line Road	Highway 28 (formerly Highway 134)	G	1.3	8	7	7	16	8	13	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	19
031	6th Line Road South Dummer	Webster Road	North Limit	G	1.9	12	4	5	16	4	13	8	8	70	-	None	Resurface	Now	10	\$ -	\$ -	18
202	1st Line Road Douro	County Road 6	South Limit	G	0.9	12	7	6	15	6	8	8	8	70	-	None	Resurface	Now	10	\$ -	\$ -	18
173	Hickson Road	County Road 40	West Limit	G	0.4	12	8	4	15	8	8	8	8	71	-	None	Resurface	Now	10	\$ -	\$ -	18
160	Douro 8th Line Road	Division Road	North Limit	G	1.9	11	5	9	16	5	13	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	18
201	8th Line Dummer	Webster Road	County Rd. 8	G	2.9	12	7	7	15	6	12	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	18
129	Douro 1st Line Road	Cedar Cross Road	North Limit	G	0.3	12	7	5	17	7	8	8	8	72	-	None	Resurface	Now	10	\$ -	\$ -	17
163	Bradfield Road	Douro 7th Line Road	West 1.2 km	G	1.2	12	6	5	17	8	8	8	8	72	-	None	Resurface	Now	10	\$ -	\$ -	17
035	3rd Line Road South Dummer	County Road 8	South Limit	G	1.3	10	7	7	17	6	8	8	8	71	-	None	Resurface	Now	10	\$ -	\$ -	17
028	11th Line Road Mid Dummer	Mill Line Road	North Limit	G	0.9	10	7	7	15	7	11	8	8	73	-	None	Resurface	Now	10	\$ -	\$ -	17
172	10th Line of Dummer	Webster Road	Dummer-Asphodel Road	G	2.8	14	9	5	16	7	10	8	8	77	-	None	Resurface	1-5	10	\$ -	\$ -	16
114	Henderson Road	Camp Line	West Limit	G	0.7	15	8	5	15	8	7	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	16
168	Kerr Road	County Road 8	South Limit	G	0.1	10	7	6	17	8	10	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	16
026	Mill Line Road	County Road 40	Bridge (East End)	G	1.3	12	7	8	15	7	13	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
027	Mill Line Road	Bridge	East Limit	G	1.7	12	7	8	15	7	13	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
077	8th Line Road North Dummer	County Road 6	South Limit	G	0.6	12	7	8	18	9	8	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
020	Webster Road	County Road 40	10th Line South Dummer	G	1.3	13	9	4	18	8	8	8	8	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
007	6th Line North Dummer	County Road 6	End of Hawkins Lane	G	1.4	13	7	8	16	8	7	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
117	Douro 4th Line	County Road 6	South Limit	G	4	12	7	6	16	7	11	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
131	Douro 1st Line Road	County Road 4	South Limit	G	0.7	12	6	7	16	6	12	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
153	Cooney Island Road	4th Line Road	East Limit	G	2.5	10	7	6	16	8	12	8	8	75	-	None	Resurface	Now	10	\$ -	\$ -	15
141	Hickey Road	7th Line Road	County Road 32	G	0.5	10	6	7	17	8	10	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	15
142	Douro 7th Line Road	Center Road	Hickey Road	G	1.2	10	6	7	17	8	10	8	8	74	-	None	Resurface	Now	10	\$ -	\$ -	15
140	Center Road	Highway 28 (formerly Highway 134)	County Road 32	G	2.7	13	7	7	16	8	11	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	15
050	Oke Road	County Road 4	Payne Line Road	G	1.4	12	7	8	15	8	11	8	8	77	-	None	Resurface	1-5	10	\$ -	\$ -	15
134	Center Road	Douro 3rd Line	Douro 5th Line	G	2.9	12	7	6	15	11	9	8	8	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
206	A - Hawkins Rd.	Soth Line	West Douro Dummer	G	0.3	10	7	6	17	8	12	8	8	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
147	Douro 9th Line	County Road 32	County Road 4	G	4.2	13	7	8	18	8	12	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	14
038	Clifford Road	4th Line South Dummer	3rd Line Road	G	1.3	13	7	9	18	8	9	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	14
059	4th Line Road South Dummer	Centre Dummer Road	Cooper Road	G	2	13	9	8	15	7	12	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	14
158	Douro 7th Line Road	Division Road	North Limit (Bradfield)	G	1.9	11	7	8	17	7	12	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	14
116	Douro 2nd Line Road	County Road 6	South Limit	G	0.5	13	9	8	17	8	7	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	14
165	Douro 3rd Line Road	Division Road	County Road 8	G	3.3	13	7	8	18	8	13	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	13
051	Payne Line Road	Oke Road	County Road 4	G	2	13	7	8	18	8	13	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	13
145	Douro 7th Line Road	County Road 4	North Limit	G	1.7	12	6	7	17	9	11	8	8	78	-	None	Resurface	1-5	10	\$ -	\$ -	13
135	Douro 4th Line Road	County Road 4	North Limit	G	3.9	13	7	8	17	8	13	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	13
130	Douro 1st Line Road	Cedar Cross Road	County Road 4	G	3.1	12	7	8	17	8	13	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	13
036	3rd Line Road South Dummer	County Road 8	Clifford Road	G	3	12	7	8	19	9	9	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	13
072	McNaughton Drive	County Road 6	McNaughton Lane	G	0.4	12	6	8	18	9	11	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
175	3rd Line Road North Dummer	County Road 6	North Limit	G	0.2	13	7	7	17	8	12	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
208	Dummer Asphodel Road	11th Line Dummer	East End	G	0.3	12	7	7	17	8	13	8	8	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
203	12th Line Road south Dummer (forced road section)	Highway No. 7	12th Line Road South Dummer (road allowance)	G	1.9	14	8	9	17	8	13	8	8	85	-	None	Resurface	6-10	10	\$ -	\$ -	12
138	Douro 5th Line Road	Center Road	County Road 4	G	1.8	12	9	7	18	9	12	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	12
128	Cedar Cross Road	Douro 3rd Line	Payne Line Road	G	4.2	13	7	8	18	8	14	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	12
011	Ivandale Road	Dummer Lake Road East	West Limit	G	0.4	12	8	8	18	9	10	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
062	Cooper Road	4th Line Road East	East Limit	G	1.4	12	8	8	17	8	12	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
071	McNaughton Lane	McNaughton Drive	North Limit	G	0.2	12	7	8	18	9	11	8	8	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
149	Douro 1st Line	Division Road	County Road 8	G	3.7	13	7	8	17	8	13	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	12
024	12th Line South Dummer	Forced Road Section	North Limit	G	6.3	14	8	8	17	8	13	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	11
133	Douro 2nd Line Road	Cedar Cross Road	County Road 4	G	3.6	13	7	8	18	9	13	8	8	84	-	None	Resurface	6-10	10	\$ -	\$ -	11
156	Douro 5th Line Road	County Road 4	South Limit	G	0.01	13	7	8	18	8	12	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	11
155	Douro 5th Line Road	Division Road	North Limit (County Road 8)	G	2.4	13	7	8	18	8	13	8	8	83	-	None	Resurface	6-10	10	\$ -	\$ -	11
119	Douro 4th Line Road	Highway 28 Intersection	Birchview Road	G	0.1	13	8	8	17	8	12	8	8	82	-	None	Resurface	6-10	10	\$ -	\$ -	11
148	Carlow																					

Appendix D: Improvement Plans

Road Resurfacing by Priority

Road Rehabilitation by Priority

2025 Douro-Dummer Road Needs Study
Road Resurfacing by Priority

Section Number	Road Name	From	To	Surface Type	Length (km)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
043	Ford Street	East of South Street	Peterborough Street	HCB	0.2	77	87	Mill & Pave - Urban Overlay - Rural	Resurface	1-5	15	\$ 29.17	\$ 70,583.33	26
13	A - Division Road	Indian River Line	Douro 3rd Line	LCB	1.3	77	67	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 137,280.00	25
13	C - Division Road	Douro 5th Line	Highway 28 (formerly Highway 134)	LCB	1.3	79	68	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 137,280.00	23
014	Division Road	Indian River Line	Carlow Line	LCB	2.7	78	61.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 267,300.00	22
122	Strickland Road	Highway 28 (formerly Highway 134)	Douro 5th Line	LCB	1.2	75	66.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 95,040.00	22
098	Strickland Street	Highway 28 (formerly Highway 134)	Westerly 500 m (Lakefield limits)	LCB	0.4	80	85	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 31,680.00	22
136	Douro 4th Line Road	County Road 4	County Road 8	LCB	1.5	75	69.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 158,400.00	22
001	McCrackens Landing	County Road 6	North Limit (Stoney Lake)	LCB	1.7	78	93.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 157,080.00	22
146	Nassau Road	9th Line	County Road 4	LCB	2.9	77	62.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 306,240.00	22
089	Donwood Drive	County Road 4	Hillview Avenue	LCB	0.5	78	93	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 46,200.00	21
084	Kingsdale Drive	County Road 4	North Limit	LCB	0.6	76	95	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 63,360.00	21
081	Plati Avenue	Kingsdale	Television Road	LCB	0.5	76	91	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 59,400.00	21
017	Dummer Asphodel Road	Bridge	County Road 8	LCB	1.1	79	90.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 108,900.00	21
012	White Lake Road West	County Road 6	South Limit	LCB	2.7	73	76.5	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 213,840.00	20
143	B - Douro 8th Line Road	County Road 32	300m N of CR4	G	3.6	75	-	None	Resurface	Now	10	\$ -	\$ -	20
102	Moodie Drive	Stenner Road	East Limit	LCB	0.8	71	63	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 63,360.00	20
095	Division Road	County Road 4	Burnham Line 10	LCB	0.8	80	73	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 73,920.00	20
032	5th Line Road South Dummer	Webster Road	North Limit	G	2	70	-	None	Resurface	Now	10	\$ -	\$ -	20
096	Division Road	Burnham Line 10	Douro 7th Line	LCB	4.2	80	73	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 443,520.00	20
127	Douro 3rd Line Road	Lynch's Rock Road	County Road 4	G	5.3	71	-	None	Resurface	Now	10	\$ -	\$ -	19
083	Gifford Drive	Television Road	Kingsdale	LCB	0.5	76	95	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 56,100.00	19
211	Television Road	County Road 4	North Limit	HCB	1.22	84	89	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 391,416.67	19
139	Center Road	Douro 5th Line Road	Highway 28 (formerly Highway 134)	G	1.3	75	-	None	Resurface	Now	10	\$ -	\$ -	19
082	Clinton Avenue	Plati Avenue	Gifford Drive	LCB	0.4	76	95	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 36,960.00	19
132	Douro 2nd Line Road	County Road 4	County Road 8	LCB	2	75	75	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 184,800.00	19
13	B -Division Road	Douro 3rd Line	Douro 5th Line	LCB	2.8	83	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 295,680.00	19
079	Daleview Road	County Road 4	Division Road	HCB	0.7	80	100	Mill & Pave - Urban Overlay - Rural	Resurface	1-5	15	\$ 29.17	\$ 157,208.33	19
031	6th Line Road South Dummer	Webster Road	North Limit	G	1.9	70	-	None	Resurface	Now	10	\$ -	\$ -	18
048	Church Street	Mill Street	West Street	LCB	0.2	70	57	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 21,120.00	18
202	1st Line Road Douro	County Road 6	South Limit	G	0.9	70	-	None	Resurface	Now	10	\$ -	\$ -	18
066	Rock Road	Cooper Road	Douglas	LCB	2	76	57	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 211,200.00	18
094	McNab Avenue	County Road	South Limit	LCB	0.1	71	89	Double Surface Treatment	Resurface	Now	10	\$ 12.00	\$ 7,920.00	18
173	Hickson Road	County Road 40	West Limit	G	0.4	71	-	None	Resurface	Now	10	\$ -	\$ -	18
160	Douro 8th Line Road	Division Road	North Limit	G	1.9	75	-	None	Resurface	Now	10	\$ -	\$ -	18
201	8th Line Dummer	Webster Road	County Rd. 8	G	2.9	75	-	None	Resurface	Now	10	\$ -	\$ -	18
129	Douro 1st Line Road	Cedar Cross Road	North Limit	G	0.3	72	-	None	Resurface	Now	10	\$ -	\$ -	17
092	Maryvale Road	County Road 4	North Limit	LCB	0.4	76	89	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 36,960.00	17
163	Bradfield Road	Douro 7th Line Road	West 1.2 km	G	1.2	72	-	None	Resurface	Now	10	\$ -	\$ -	17
035	3rd Line Road South Dummer	County Road 8	South Limit	G	1.3	71	-	None	Resurface	Now	10	\$ -	\$ -	17
121	Douro 5th Line Road	Lynch Rock Road	Strickland Road	LCB	0.3	78	81	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 27,720.00	17
015	Dummer Asphodel Road	Carlow Line	County Road 38	LCB	1.4	83	85	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 138,600.00	17
028	11th Line Road Mid Dummer	Mill Line Road	North Limit	G	0.9	73	-	None	Resurface	Now	10	\$ -	\$ -	17
172	10th Line of Dummer	Webster Road	Dummer-Asphodel Road	G	2.8	77	-	None	Resurface	1-5	10	\$ -	\$ -	16
118	Douro 4th Line Road	County Road 6	Highway 28	LCB	1.6	82	94	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 168,960.00	16
086	Coral Drive	Television Road	East Limit	LCB	0.3	78	91	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 31,680.00	16
114	Henderson Road	Camp Line	West Limit	G	0.7	74	-	None	Resurface	Now	10	\$ -	\$ -	16
168	Kerr Road	County Road 8	South Limit	G	0.1	74	-	None	Resurface	Now	10	\$ -	\$ -	16
026	Mill Line Road	County Road 40	Bridge (East End)	G	1.3	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
027	Mill Line Road	Bridge	East Limit	G	1.7	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
029	Webster Road	County Road 40	County Road 8 (5th Line Road South Dummer)	LCB	5.6	83	57.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 517,440.00	16
004	Camp Line Road	Henderson Road	County Road 6	LCB	1.8	80	72.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 166,320.00	16
077	8th Line Road North Dummer	County Road 6	South Limit	G	0.6	78	-	None	Resurface	1-5	10	\$ -	\$ -	16
020	Webster Road	County Road 40	10th Line South Dummer	G	1.3	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
097	Division Road	Douro 7th Line	Highway 28 (formerly Highway 134)	LCB	1.3	84	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 128,700.00	15
007	6th Line North Dummer	County Road 6	End of Hawkins Lane	G	1.4	75	-	None	Resurface	Now	10	\$ -	\$ -	15
117	Douro 4th Line	County Road 6	South Limit	G	4	75	-	None	Resurface	Now	10	\$ -	\$ -	15
131	Douro 1st Line Road	County Road 4	South Limit	G	0.7	75	-	None	Resurface	Now	10	\$ -	\$ -	15
153	Cooney Island Road	4th Line Road	East Limit	G	2.5	75	-	None	Resurface	Now	10	\$ -	\$ -	15
141	Hickey Road	7th Line Road	County Road 32	G	0.5	74	-	None	Resurface	Now	10	\$ -	\$ -	15
142	Douro 7th Line Road	Center Road	Hickey Road	G	1.2	74	-	None	Resurface	Now	10	\$ -	\$ -	15
140	Center Road	Highway 28 (formerly Highway 134)	County Road 32	G	2.7	78	-	None	Resurface	1-5	10	\$ -	\$ -	15
100	Stenner Road	Highway 28	North Limit	LCB	0.5	80	76	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 46,200.00	15
050	Oke Road	County Road 4	Payne Line Road	G	1.4	77	-	None	Resurface	1-5	10	\$ -	\$ -	15
085	Roxton Road	Kingsdale Drive	East Limit	LCB	0.1	76	95	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 7,920.00	15
091	Orchard Crescent	Donwood Drive	Hillview Avenue	LCB	0.4	76	89.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 31,680.00	15

Section Number	Road Name	From	To	Surface Type	Length (km)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
093	Edgewood Avenue	County Road 4	South Limit	LCB	0.1	76	89	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 7,920.00	15
134	Center Road	Douro 3rd Line	Douro 5th Line	G	2.9	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
206	A - Hawkins Rd.	Sixth Line	West Douro Dummer	G	0.3	76	-	None	Resurface	1-5	10	\$ -	\$ -	15
167	Canal Road	County Road 4	North Limit	LCB	0.7	81	91	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 55,440.00	15
068	Sawmill Road	3rd Line Dummer	4th Line Dummer	LCB	2.3	82	92	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 182,160.00	15
147	Douro 9th Line	County Road 32	County Road 4	G	4.2	82	-	None	Resurface	6-10	10	\$ -	\$ -	14
110	Douro 3rd Line Road	South Beach	Rishor Avenue	LCB	0.4	78	93.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 36,960.00	14
002	Birchview Road	McCrackens Landing	Camp Line Road	LCB	5.2	84	95	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 480,480.00	14
126	Lynch's Rock Road	Douro 5th Line	Douro 3rd Line	LCB	2.8	82	84	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 258,720.00	14
038	Clifford Road	4th Line South Dummer	3rd Line Road	G	1.3	80	-	None	Resurface	1-5	10	\$ -	\$ -	14
112	Birchview Road	Highway 28	Camp Line Road	LCB	6.4	87	92.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 591,360.00	14
059	4th Line Road South Dummer	Centre Dummer Road	Cooper Road	G	2	80	-	None	Resurface	1-5	10	\$ -	\$ -	14
158	Douro 7th Line Road	Division Road	North Limit (Bradfield)	G	1.9	78	-	None	Resurface	1-5	10	\$ -	\$ -	14
087	Highland Avenue	County Road 4	North Limit	LCB	0.2	78	86.5	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 17,160.00	14
088	Valleyview Avenue	Highland Avenue	County Road 4	LCB	0.2	78	80	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 17,160.00	14
090	Hillview Avenue	Donwood Drive	Orchard Crescent	LCB	0.2	78	89	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 18,480.00	14
105	Hilliard Way	Highway 28	West Limit	LCB	0.2	78	85	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 18,480.00	14
116	Douro 2nd Line Road	County Road 6	South Limit	G	0.5	78	-	None	Resurface	1-5	10	\$ -	\$ -	14
165	Douro 3rd Line Road	Division Road	County Road 8	G	3.3	83	-	None	Resurface	6-10	10	\$ -	\$ -	13
109	South Beach Road	Highway 28	East Limit	LCB	0.6	82	82.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 55,440.00	13
051	Payne Line Road	Oke Road	County Road 4	G	2	83	-	None	Resurface	6-10	10	\$ -	\$ -	13
145	Douro 7th Line Road	County Road 4	North Limit	G	1.7	78	-	None	Resurface	1-5	10	\$ -	\$ -	13
076	Crowes Landing Road	County Road 6	North Limit	LCB	0.9	85	100	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 83,160.00	13
170	Old Highway 28	South Beach Road	North Limit	LCB	0.3	79	90	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 27,720.00	13
135	Douro 4th Line Road	County Road 4	North Limit	G	3.9	82	-	None	Resurface	6-10	10	\$ -	\$ -	13
130	Douro 1st Line Road	Cedar Cross Road	County Road 4	G	3.1	81	-	None	Resurface	6-10	10	\$ -	\$ -	13
073	11th Line Road North Dummer	County Road 6	South Limit	HCB	1.2	85	65	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 308,000.00	13
039	Clifford Road	3rd Line Road South Dummer (west)	South Street	LCB	2	82	81.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 171,600.00	13
036	3rd Line Road South Dummer	County Road 8	Clifford Road	G	3	80	-	None	Resurface	1-5	10	\$ -	\$ -	13
003	Camp Line Road	Birchview Drive	Henderson Road	LCB	2.7	84	71.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 249,480.00	13
052	Payne Line Road	County Road 4	Westerly	LCB	0.5	84	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 52,800.00	12
072	McNaughton Drive	County Road 6	McNaughton Lane	G	0.4	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
175	3rd Line Road North Dummer	County Road 6	North Limit	G	0.2	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
205	Little Lane	County Road 6	Gilcrest Bay	LCB	0.1	80	88	Double Surface Treatment	Resurface	1-5	10	\$ 12.00	\$ 9,240.00	12
208	Dummer Asphodel Road	11th Line Dummer	East End	G	0.3	80	-	None	Resurface	1-5	10	\$ -	\$ -	12
064	3rd Line Road North Dummer	Caves Road	County Road 6	LCB	2.1	86	93	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 221,760.00	12
203	12th Line Road south Dummer (forced road section)	Highway No. 7	12th Line Road South Dummer (road allowance)	G	1.9	85	-	None	Resurface	6-10	10	\$ -	\$ -	12
138	Douro 5th Line Road	Center Road	County Road 4	G	1.8	83	-	None	Resurface	6-10	10	\$ -	\$ -	12
128	Cedar Cross Road	Douro 3rd Line	Payne Line Road	G	4.2	84	-	None	Resurface	6-10	10	\$ -	\$ -	12
053	Rock Road	South Street	Douglas	LCB	1.7	87	91.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 190,740.00	12
069	4th Line Road North Dummer	Sawmill Road	North Limit	LCB	3.1	87	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 306,900.00	12
011	Ivandale Road	Dummer Lake Road East	West Limit	G	0.4	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
062	Cooper Road	4th Line Road East	East Limit	G	1.4	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
071	McNaughton Lane	McNaughton Drive	North Limit	G	0.2	81	-	None	Resurface	6-10	10	\$ -	\$ -	12
166	Lonsberry Lane	County Road 4	East Limit	LCB	0.6	81	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 63,360.00	12
179	Galloway Drive	McCracken Landing	West Limit	LCB	0.1	81	100	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 9,240.00	12
206	Ironwoods Drive	County Road 4	South Limit	LCB	0.4	81	92	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 36,960.00	12
149	Douro 1st Line	Division Road	County Road 8	G	3.7	82	-	None	Resurface	6-10	10	\$ -	\$ -	12
024	12th Line South Dummer	Forced Road Section	North Limit	G	6.3	84	-	None	Resurface	6-10	10	\$ -	\$ -	11
133	Douro 2nd Line Road	Cedar Cross Road	County Road 4	G	3.6	84	-	None	Resurface	6-10	10	\$ -	\$ -	11
150	Douro 2nd Line Road	Division Road	County Road 8	LCB	3.6	85	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 332,640.00	11
156	Douro 5th Line Road	County Road 4	South Limit	G	0.01	82	-	None	Resurface	6-10	10	\$ -	\$ -	11
155	Douro 5th Line Road	Division Road	North Limit (County Road 8)	G	2.4	83	-	None	Resurface	6-10	10	\$ -	\$ -	11
040	Banks Avenue	County Road 8	East Limit	LCB	0.2	82	77	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 15,840.00	11
119	Douro 4th Line Road	Highway 28 Intersection	Birchview Road	G	0.1	82	-	None	Resurface	6-10	10	\$ -	\$ -	11
016	Dummer Asphodel Road	County Road 38	400 m East of 4th Line (at bridge)	LCB	3.3	89	90.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 326,700.00	11
148	Carlow Line Road	Division Road	County Road 8	G	3.4	85	-	None	Resurface	6-10	10	\$ -	\$ -	11
074	South Bay Road	County Road 6	North Limit	LCB	1	85	99	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 92,400.00	11
164	Douro 9th Line	County Road 4	Division Road	LCB	1.2	85	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 95,040.00	11
054	Douglas	Rock Road	4th Line Road	LCB	2	87	81	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 224,400.00	10
143	A - Douro 8th Line Road	300m N of CR4	County Road 4	LCB	0.3	87	95	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 27,720.00	10
161	Douro 8th Line Road	County Road 4	250 m South	LCB	0.2	87	99	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 18,480.00	10
108	Thelgar Road	Highway 28	West Limit	LCB	0.3	83	78.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 23,760.00	10
174	English Line North	County Road 6	North Limit	G	0.9	83	-	None	Resurface	6-10	10	\$ -	\$ -	10
177	5th Line North Dummer	County Road 6	North Limit	G	0.1	83	-	None	Resurface	6-10	10	\$ -	\$ -	10

Section Number	Road Name	From	To	Surface Type	Length (km)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
010	Dummer Lake Road East	County Road 6	South Limit (to start of Private road)	LCB	1.3	86	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 137,280.00	10
120	Douro 5th Line	County Rd #6	Lynch Rock Road	G	1.5	86	-	None	Resurface	6-10	10	\$ -	\$ -	10
162	Bradfield Road	County Road 4	300 m South	LCB	0.3	85	90	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 23,760.00	10
067	Rock Road	Rock Road	Douglas Road	LCB	0.1	87	80	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 7,920.00	10
169	Douro 4th Line Road	Highway 28	North Limit	G	0.5	84	-	None	Resurface	6-10	10	\$ -	\$ -	10
209	Unnamed Road	McCracken's Landing Road	East Limit	G	0.1	84	-	None	Resurface	6-10	10	\$ -	\$ -	10
210	Crowe's Landing Road	9th Line Dummer	Stony Lake	LCB	0.2	86	91.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 18,480.00	10
23	B - 11th Line South Dummer	Dummer-Asphodel Road	North Limit	G	0.4	88	-	None	Resurface	6-10	10	\$ -	\$ -	10
157	Douro 7th Line Road	County Road 4	South Limit (Bradfield Road)	LCB	1.2	87	98	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 110,880.00	10
137	Douro 5th Line Road	Center Road	North Limit	G	1.3	83	-	None	Resurface	6-10	10	\$ -	\$ -	9
113	Douro 3rd Line Road	Birchview Road	South Limit	G	0.9	85	94	None	Resurface	6-10	10	\$ -	\$ -	9
144	Ayotte Crescent	8th Line Road	East Limit	LCB	0.2	85	95	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 18,480.00	9
55	A - Centre Dummer Road	4th Line Road	650m East of 4th Line Road	G	7.2	86	-	None	Resurface	6-10	10	\$ -	\$ -	9
058	4th Line Road South Dummer	Clifford Road	Centre Dummer Road	LCB	1.2	88	97	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 110,880.00	9
057	7th Line Road North Dummer	Centre Dummer	North Limit	G	1.2	87	-	None	Resurface	6-10	10	\$ -	\$ -	8
176	Landfill Road	County Road 6	to Transfer Station	G	0.4	87	-	None	Resurface	6-10	10	\$ -	\$ -	8
005	Golf Course Road	McCrackens Landing	Barnes Road	LCB	2.2	89	97	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 203,280.00	8
021	Dummer Asphodel Road	County Road 40	11th Line South Dummer	HCB	2.8	89	90	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 1,078,000.00	8
033	4th Line Road South Dummer	County Road 8	Division Road	G	3.1	90	-	None	Resurface	6-10	10	\$ -	\$ -	7
23	A - 11th Line South Dummer	Dummer-Asphodel Road	North Limit	HCB	0.5	92	94.5	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 248,645.83	6
152	Douro 4th Line Road	Cooney Island Road	County Road 8	LCB	1.3	92	90.5	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 120,120.00	6
212	Indacom Drive	County Road 4	South Limit	LCB	0.2	92	84	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 21,120.00	5
063	Cooper Road	4th Line Road	Caves Road	LCB	1.8	94	99	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 166,320.00	5
123	Block Road	Highway 28 (formerly Highway 134)	East Limit	HCB	0.1	94	95	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	15	\$ 29.17	\$ 22,458.33	4
204	12th Line Road South Dummer (road allowance)	Forced Road Section	Private Lane	G	0.2	95	-	None	Resurface	6-10	10	\$ -	\$ -	3
065	Caves Road	Cooper Road	County Road 4	LCB	1.6	96	100	Double Surface Treatment	Resurface	6-10	10	\$ 12.00	\$ 168,960.00	3

2025 Douro-Dummer Road Needs Study
Road Rehabilitation by Priority

Section Number	Road Name	From	To	Surface Type	Length (km)	Total Rating	PCI	Recommended Improvement	Need	Time of Need	Service Life	Improvement Unit Cost	Improvement Cost	Condition Priority
044	English Line (South)	County Road 4	South Limit	LCB	0.2	55	54.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 21,120.00	32
8	B - Gilchrist Bay Road	Little Lane	West End	G	0.3	52	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 23,760.00	29
171	Douro 3rd Line Road	County Road 4	South Limit	G	0.4	52	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 26,400.00	29
200	6th Line South Dummer	Webster Road	County Rd 8	G	3.1	59	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 286,440.00	29
070	Batten Lane	4th Line	East Limit	G	0.2	54	-	Add Gravel, Ditch, Brush	Rehab	Now	10	\$ 12.00	\$ 13,200.00	28
159	Old Douro Road	Highway 28 (formerly Highway 134)	County Road 8	G	0.5	56	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 33,000.00	27
151	Douro 4th Line Road	Division Road	Cooney Island Road	G	1.8	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 166,320.00	26
046	Mill Street	West Limit	Peterborough Street	LCB	0.1	58	56	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 14,080.00	26
060	4th Line Road South Dummer	Cooper Road	North Limit	G	2.5	63	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 211,200.00	25
037	4th Line Road South Dummer	Clifford Road	County Road 8	LCB	3.2	65	67	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 394,240.00	25
030	7th Line Road Mid-Dummer	Webster Road	North Limit	G	0.2	59	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 14,520.00	25
55	B - Centre Dummer Road	650m East of 4th Line Road	County Road 40	LCB	0.7	60	97	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 73,920.00	25
019	8th Line South Dummer	Webster Road	North Limit	G	3.6	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 380,160.00	23
8	A - Gilchrist Bay Road	County Road 6	Little Lane	LCB	1	62	91.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 105,600.00	23
056	Rusaw Lane	County Road 40	West Limit	G	1.4	62	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 92,400.00	23
025	Simpson Road	12th Line	East Limit	G	0.9	67	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 71,280.00	23
045	Water Street	Ford Street	Mill Street	LCB	0.2	63	52	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 28,160.00	23
034	3rd Line Road South Dummer	Division Road	North Limit	G	0.4	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 26,400.00	22
178	6th Line South Dummer	County Road 6	South Limit	G	0.2	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 15,840.00	22
207	5th Line Douro	Highway No. 28	County Road 6	G	0.4	64	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 31,680.00	22
006	5th Line North Dummer	County Road 6	South Limits to include entrance to farm owned by Township	G	1.4	65	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 92,400.00	22
009	Howard Drive	County Road 6	South Limit	G	0.1	68	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 7,920.00	20
049	West Street	County Road 4	West Limit	LCB	0.2	68	79.5	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	15	\$ 16.00	\$ 24,640.00	20
115	Douro 1st Line Road	County Road 6	North Limit	G	1.3	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 85,800.00	19
018	7th Line South Dummer	County Road 8	North Limit	G	0.8	69	-	Add Gravel, Ditch, Brush	Rehab	1-5	10	\$ 12.00	\$ 52,800.00	19

Appendix E: Ten-Year Capital Funding Plan

2025 Douro-Dummer Road Needs Study
Year 1-5 Capital Funding Plan

Section Number	Road Name	Surface Type	Recommended Improvement	Need	Time of Need	Improvement Cost	Condition Priority	2026	2027	2028	2029	2030
044	English Line (South)	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 21,120.00	32	\$ 21,120.00				
8	B - Gilchrist Bay Road	G	Add Gravel, Ditch, Brush	Rehab	Now	\$ 23,760.00	29	\$ 23,760.00				
171	Douro 3rd Line Road	G	Add Gravel, Ditch, Brush	Rehab	Now	\$ 26,400.00	29	\$ 26,400.00	TO BE COMPLETED IN 2025			
200	6th Line South Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 286,440.00	29	\$ 286,440.00				
070	Batten Lane	G	Add Gravel, Ditch, Brush	Rehab	Now	\$ 13,200.00	28	\$ 13,200.00				
159	Old Douro Road	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 33,000.00	27	\$ 33,000.00				
043	Ford Street	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	1-5	\$ 70,583.33	26	\$ 70,583.33				
151	Douro 4th Line Road	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 166,320.00	26	\$ 166,320.00	TO BE COMPLETED IN 2025			
046	Mill Street	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 14,080.00	26	\$ 14,080.00				
060	4th Line Road South Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 211,200.00	25	\$ 211,200.00				
037	4th Line Road South Dummer	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 394,240.00	25	\$ 394,240.00	TO BE COMPLETED IN 2025			
13	A - Division Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 137,280.00	25	\$ 137,280.00				
	County Road 4 (Mill Street)	S/W + Stm				\$ 71,200.00	-	\$ 71,200.00				
	County Road 4 (Mill Street)	S/W + Stm				55,000	-	\$ 55,000.00				
030	7th Line Road Mid-Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 14,520.00	25		\$ 14,520.00			
55	B - Centre Dummer Road	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 73,920.00	25		\$ 73,920.00	TO BE COMPLETED IN 2025		
019	8th Line South Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 380,160.00	23		\$ 380,160.00			
056	Rusaw Lane	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 92,400.00	23		\$ 92,400.00	TO BE COMPLETED IN 2025		
025	Simpson Road	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 71,280.00	23		\$ 71,280.00			
13	C - Division Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 137,280.00	23		\$ 137,280.00			
045	Water Street + SW and Stm	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 56,160.00	23		\$ 56,160.00			
014	Division Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 267,300.00	22		\$ 267,300.00			
122	Strickland Road	LCB	Double Surface Treatment	Resurface	Now	\$ 95,040.00	22		\$ 95,040.00			
098	Strickland Street	LCB	Double Surface Treatment	Resurface	1-5	\$ 31,680.00	22		\$ 31,680.00			
	County Road 4 (Peterborough St)	S/W + Stm				\$ 187,000.00			\$ 187,000.00			
	County Road 38 (South Street)	S/W + Stm				\$ 202,500.00			\$ 202,500.00			
034	3rd Line Road South Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 26,400.00	22			\$ 26,400.00		
178	6th Line South Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 15,840.00	22			\$ 15,840.00		
207	5th Line Douro	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 31,680.00	22			\$ 31,680.00		
136	Douro 4th Line Road	LCB	Double Surface Treatment	Resurface	Now	\$ 158,400.00	22			\$ 158,400.00		
001	McCrackens Landing	LCB	Stm, Double Surface Treat	Resurface	1-5	\$ 209,480.00	22			\$ 209,480.00		
146	Nassau Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 306,240.00	22			\$ 306,240.00		
006	5th Line North Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 92,400.00	22			\$ 92,400.00		
089	Donwood Drive	LCB	Double Surface Treatment	Resurface	1-5	\$ 46,200.00	21			\$ 46,200.00		
084	Kingsdale Drive	LCB	Double Surface Treatment	Resurface	1-5	\$ 63,360.00	21			\$ 63,360.00		
81	Plati Avenue	LCB	Double Surface Treatment	Resurface	1-5	\$ 59,400.00	21			\$ 59,400.00		
096	Division Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 443,520.00	20			\$ 443,520.00		
	County Road 8	S/W + Stm				\$ 82,100.00				\$ 82,100.00		
	County Road 8	S/W + Stm				\$ 93,500.00				\$ 93,500.00		
8	A - Gilchrist Bay Road	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 105,600.00	23				\$ 105,600.00	
012	White Lake Road West	LCB	Double Surface Treatment	Resurface	Now	\$ 213,840.00	20				\$ 213,840.00	
102	Moodie Drive	LCB	Double Surface Treatment	Resurface	Now	\$ 63,360.00	20				\$ 63,360.00	
095	Division Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 73,920.00	20				\$ 73,920.00	
009	Howard Drive	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 7,920.00	20				\$ 7,920.00	
049	West Street	LCB	Pulverize; Add Gravel; Double Surface Treatment	Rehab	1-5	\$ 24,640.00	20				\$ 24,640.00	
083	Gifford Drive	LCB	Double Surface Treatment	Resurface	1-5	\$ 56,100.00	19				\$ 56,100.00	
115	Douro 1st Line Road	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 85,800.00	19				\$ 85,800.00	
018	7th Line South Dummer	G	Add Gravel, Ditch, Brush	Rehab	1-5	\$ 52,800.00	19				\$ 52,800.00	
017	Dummer Asphodel Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 108,900.00	21				\$ 108,900.00	
132	Douro 2nd Line Road	LCB	Double Surface Treatment	Resurface	Now	\$ 184,800.00	19				\$ 184,800.00	
094	McNab Avenue	LCB	Double Surface Treatment	Resurface	Now	\$ 7,920.00	18				\$ 7,920.00	
079	Daleview Road	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	1-5	\$ 157,208.33	19				\$ 157,208.33	
066	Rock Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 211,200.00	18	TO BE COMPLETED IN 2025			\$ 211,200.00	
004	Camp Line Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 166,320.00	16	TO BE COMPLETED IN 2025			\$ 166,320.00	
092	Maryvale Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 36,960.00	17					\$ 36,960.00
121	Douro 5th Line Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 27,720.00	17					\$ 27,720.00
086	Coral Drive	LCB	Double Surface Treatment	Resurface	1-5	\$ 31,680.00	16					\$ 31,680.00
048	Church Street	LCB	Double Surface Treatment	Resurface	Now	\$ 21,120.00	18					\$ 21,120.00
082	Clinton Avenue	LCB	Double Surface Treatment	Resurface	1-5	\$ 36,960.00	19					\$ 36,960.00

100	Stenner Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 46,200.00	15						\$ 46,200.00
085	Roxton Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 7,920.00	15						\$ 7,920.00
091	Orchard Crescent	LCB	Double Surface Treatment	Resurface	1-5	\$ 31,680.00	15						\$ 31,680.00
093	Edgewood Avenue	LCB	Double Surface Treatment	Resurface	1-5	\$ 7,920.00	15						\$ 7,920.00
110	Douro 3rd Line Road	LCB	Double Surface Treatment	Resurface	1-5	\$ 36,960.00	14						\$ 36,960.00
087	Highland Avenue	LCB	Double Surface Treatment	Resurface	1-5	\$ 17,160.00	14						\$ 17,160.00
088	Valleyview Avenue	LCB	Double Surface Treatment	Resurface	1-5	\$ 17,160.00	14						\$ 17,160.00
090	Hillview Avenue	LCB	Double Surface Treatment	Resurface	1-5	\$ 18,480.00	14						\$ 18,480.00
105	Hilliard Way	LCB	Double Surface Treatment	Resurface	1-5	\$ 18,480.00	14						\$ 18,480.00
170	Old Highway 28	LCB	Double Surface Treatment	Resurface	1-5	\$ 27,720.00	13						\$ 27,720.00
073	11th Line Road North Dummer	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	\$ 308,000.00	13	TO BE COMPLETED IN 2025					\$ 308,000.00
039	Clifford Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 171,600.00	13						\$ 171,600.00
003	Camp Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 249,480.00	13	TO BE COMPLETED IN 2025					\$ 249,480.00
205	Little Lane	LCB	Double Surface Treatment	Resurface	1-5	\$ 9,240.00	12						\$ 9,240.00
064	3rd Line Road North Dummer	LCB	Double Surface Treatment	Resurface	6-10	\$ 221,760.00	12						\$ 221,760.00
053	Rock Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 190,740.00	12						\$ 190,740.00
								\$ 1,523,823.33	\$ 1,609,240.00	\$ 1,576,120.00	\$ 1,520,328.33	\$ 1,534,940.00	
												5-YR TOTAL =	\$ 7,764,451.67
												Avg Cost / Year =	\$ 1,552,890.33

2025 Douro-Dummer Road Needs Study
Year 6-10 Capital Funding Plan

Section Number	Road Name	Surface Type	Recommended Improvement	Need	Time of Need	Improvement Cost	Condition Priority	2031	2032	2033	2034	2035
118	Douro 4th Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 168,960.00	16	\$ 168,960.00				
211	Television Road	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	\$ 391,416.67	19	\$ 391,416.67				
13	B - Division Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 295,680.00	19	\$ 295,680.00				
029	Webster Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 517,440.00	16	\$ 517,440.00				
097	Division Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 128,700.00	15	\$ 128,700.00				
052	Payne Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 52,800.00	12	\$ 52,800.00				
167	Canal Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 55,440.00	15		\$ 55,440.00			
068	Sawmill Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 162,160.00	15		\$ 162,160.00			
002	Birchview Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 480,480.00	14		\$ 480,480.00			
126	Lynch's Rock Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 258,720.00	14		\$ 258,720.00			
112	Birchview Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 591,360.00	14		\$ 591,360.00			
015	Dummer Asphodel Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 138,600.00	17			\$ 138,600.00		
109	South Beach Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 55,440.00	13			\$ 55,440.00		
076	Crowes Landing Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 83,160.00	13			\$ 83,160.00		
053	Rock Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 190,740.00	12			\$ 190,740.00		
069	4th Line Road North Dummer	LCB	Double Surface Treatment	Resurface	6-10	\$ 306,900.00	12			\$ 306,900.00		
166	Lonsberry Lane	LCB	Double Surface Treatment	Resurface	6-10	\$ 63,360.00	12			\$ 63,360.00		
179	Galloway Drive	LCB	Double Surface Treatment	Resurface	6-10	\$ 9,240.00	12			\$ 9,240.00		
206	Ironwoods Drive	LCB	Double Surface Treatment	Resurface	6-10	\$ 36,960.00	12			\$ 36,960.00		
150	Douro 2nd Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 332,640.00	11			\$ 332,640.00		
040	Banks Avenue	LCB	Double Surface Treatment	Resurface	6-10	\$ 15,840.00	11	TO BE COMPLETED IN 2025		\$ 15,840.00		
016	Dummer Asphodel Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 326,700.00	11			\$ 326,700.00		
074	South Bay Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 92,400.00	11				\$ 92,400.00	
164	Douro 9th Line	LCB	Double Surface Treatment	Resurface	6-10	\$ 95,040.00	11				\$ 95,040.00	
054	Douglas	LCB	Double Surface Treatment	Resurface	6-10	\$ 224,400.00	10				\$ 224,400.00	
143	A - Douro 8th Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 27,720.00	10				\$ 27,720.00	
161	Douro 8th Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 18,480.00	10				\$ 18,480.00	
108	Thelgar Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 23,760.00	10				\$ 23,760.00	
010	Dummer Lake Road East	LCB	Double Surface Treatment	Resurface	6-10	\$ 137,280.00	10				\$ 137,280.00	
162	Bradfield Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 23,760.00	10				\$ 23,760.00	
067	Rock Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 7,920.00	10	TO BE COMPLETED IN 2025			\$ 7,920.00	
210	Crowe's Landing Road	LCB	Stm. Double Surface Treat	Resurface	6-10	\$ 49,680.00	10				\$ 49,680.00	
157	Douro 7th Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 110,880.00	10				\$ 110,880.00	
144	Ayotte Crescent	LCB	Double Surface Treatment	Resurface	6-10	\$ 49,680.00	9				\$ 49,680.00	
065	Caves Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 168,960.00	3	TO BE COMPLETED IN 2025			\$ 168,960.00	
058	4th Line Road South Dummer	LCB	Double Surface Treatment	Resurface	6-10	\$ 110,880.00	9				\$ 110,880.00	
005	Golf Course Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 203,280.00	8				\$ 203,280.00	
23	A - 11th Line South Dummer	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	\$ 248,645.83	6				\$ 248,645.83	
063	Cooper Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 166,320.00	5					\$ 166,320.00
021	Dummer Asphodel Road	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	\$ 1,078,000.00	8					\$ 1,078,000.00
123	Block Road	HCB	Mill & Pave - Urban Overlay - Rural	Resurface	6-10	\$ 22,458.33	4					\$ 22,458.33
152	Douro 4th Line Road	LCB	Double Surface Treatment	Resurface	6-10	\$ 120,120.00	6					\$ 120,120.00
212	Indacom Drive	LCB	Double Surface Treatment	Resurface	6-10	\$ 21,120.00	5					\$ 21,120.00
								\$ 1,554,996.67	\$ 1,568,160.00	\$ 1,559,580.00	\$ 1,530,365.83	\$ 1,408,018.33
											5-YR TOTAL =	\$ 7,621,120.83
											Avg Cost / Year =	\$ 1,524,224.17

Appendix F: Benchmark Improvement Costs



Benchmark Improvement Costs

Preventative Maintenance

Add gravel*	\$52,000/km
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Resurfacing

Double Surface Treatment	\$12.00/sq. meter
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Mill and Pave (single lift)	\$175,000/km
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Rehabilitation

Add gravel, Ditch, Brush	\$12/sq. meter
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Pulverize, Add Gravel, Double Surface	\$16.00/sq. meter
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Pulverize and Pave (single lift)	\$200,000/km
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Reconstruction

Rural Reconstruction – gravel only	\$275,000/km
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Rural Reconstruction	\$500,000/km
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Urban Reconstruction	\$1,000,000/km
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Figure 1: Existing Road Network by
Surface Type

