TOWN OF ERIN

ASSET MANAGEMENT PLAN

ROADS, BRIDGES, CULVERTS, FACILITIES AND WATER ASSETS

DECEMBER 3, 2013

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Planning for growth

CONTENTS

EXECUTIVE SUMMARY

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This report contains the Asset Management Plan for the Town of Erin (Town) for Roads, Bridges, Culverts, Facilities, and Water Assets, and has been organized as follows:

Chapter 1: Introduction;
Chapter 2: State of Local Infrastructure;
Chapter 3: Expected Levels of Service;
Chapter 4: Asset Management Strategy;
Chapter 5: Financing Strategy; and
Chapter 6: Recommendations.

The "state of local infrastructure" chapter provides an overview of the capital assets owned by the Town. This includes detailed information on the Town's asset inventory, including asset attributes, accounting valuations, replacement costs, useful life, age and asset condition. This information provides the foundation for other sections of the asset management plan.

"Expected levels of service" compares the current level of service provided by the Town to the level of service determined to be expected in each area. This analysis combines both descriptions/comments as well as performance measures in establishing service levels.

The "asset management strategy" provides a long term operating and capital forecast for asset related costs, indicating the requirements for maintaining, rehabilitating, replacing/disposing and expanding the Town's assets, while moving towards the specified expected levels of service identified above. The goal of the asset management strategy is to have the Town in (or moving towards) a sustainable asset management position over the forecast period.

The "financing strategy" identifies a funding plan for the asset management strategy, including a review of historical results and recommendations with respect to the required amounts and types of funding (revenue) annually. Also, any infrastructure funding deficits/shortfalls are identified and recommendations are made regarding potential approaches to reduce and mitigate the shortfall over the forecast period.

Overall, this asset management plan is a tool to be used by Town staff for capital and financial decision making. It can be tied to various existing reports (such as the Town's budget, official plan and strategic planning reports) to ensure the asset management plan can be updated to reflect any changes in Town priorities.

1. INTRODUCTION

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1.1 Overview

The main objective of an asset management plan is to use a municipality's best available information to develop a comprehensive long term plan for capital assets. In addition, the plan should provide sound methodologies and support in order to improve the accuracy of the plan on a go forward basis.

Watson & Associates Economists Ltd. (Watson) was retained by the Town to prepare an asset management plan. This plan is intended to be a tool for Town staff to use during various decision making processes, including the annual budgeting process and capital grant application processes. This plan will serve as a road map for sustainable infrastructure planning going forward.

The following assets are included in this asset management plan:

- Roads;
- Bridges;
- Culverts;
- Facilities; and
- Water related (mains, facilities).

The Town's goals and objectives with respect to their capital assets relate to the level of service being provided to Town residents. Services should be provided at expected levels, as defined within this asset management plan. Town infrastructure and other capital assets should be maintained at condition levels that provides a safe and functional environment for its residents. Therefore, the asset management plan and its implementation will be evaluated based on the Town's ability to meet these goals and objectives.

1.2 Plan Development

The asset management plan process developed a program that leverages the Town's asset database information, staff and engineering input and asset management principles.

The development of the Town's asset management plan was based on the steps summarized below:

1) Develop a complete listing of capital assets to be included in the plan, including attributes such as size/material type, useful life, age, accounting valuation and current valuation. Update current valuation to 2013 dollars, where required, using applicable inflationary indices.

2) Assess current condition of the assets, based on a combination of existing Town reports and an age analysis.
3) Assess the risk of asset failure for each asset, based on determining the probability of each asset failing, as well as the consequence of the asset failing. This risk analysis identifies priority projects for inclusion in the asset management plan, as well as asset risk levels that require mitigation.
4) Determine and document current levels of service, as well as expected levels of service, based on discussions with Town staff.
5) Prepare an asset management strategy (i.e. operating and capital forecast) based on the asset inventory, identified priorities, forecast scenarios, and level of service analysis discussed above.
6) Determine a financing strategy to support asset management strategy, thus determining how the operating and capital related expenditure forecast will be funded over the period.
7) Prepare a comprehensive Asset Management Plan final report.

1.3 Maintaining the Asset Management Plan

The asset management plan should be updated as the capital needs and priorities of the Town change. This can be accomplished in conjunction with the Town's budget process. Town staff will have the tools available to perform updates to the plan when needed.

When updating the asset management plan, note that the state of local infrastructure, expected levels of service, asset management strategy and financing strategy are integrated and impact each other. Looking at these components in reverse order, the financing strategy outlines how the asset management strategy will be funded. The asset management strategy illustrates the costs required to maintain expected levels of service at a sustainable level. The expected levels of service component summarizes and links each service area to specific assets contained in the state of local infrastructure section and thus determines how these assets will be used to provide expected service levels.

While this report covers a forecast period of 20 years, the full lifecycle of the Town's assets was considered in the calculations. It is suggested that more focus and attention be put on the first 5 years of the asset management plan, to ensure accurate capital planning in the short term.

1.4 Plan Integration

The municipal environment is a continually changing and demanding environment when it comes to legislation and other responsibilities. Integrating the asset management plan with the Town's budget process as well as Public Sector Accounting Board Section 3150 (PSAB 3150) requirements can make updates in all three areas more efficient.

With respect to integrating the Town's budget process with asset management planning, both require a projection of capital and operating costs of a future period. The budget outlines total operating and capital requirements of the Town, while the asset management plan focuses in on specific asset related requirements. With this link to the annual budget, the budget update process can become an asset management plan update process.

Both asset management and PSAB 3150 require a complete and accurate asset inventory. The significant difference between the two lies in valuation approaches; PSAB 3150 requires historical cost valuation, while asset management requires future replacement cost valuation. Using a single asset inventory containing both valuation methods is an effective approach to maintaining the Town's asset data.

Further integration into other Town financial/planning documents would assist in ensuring the ongoing accuracy of the asset management plan, as well as the integrated financial/planning documents. The asset management plan has been developed to allow linkages to documents such as:

- Development Charge Background Study;
- Official Plan;
- Strategic Planning Reports;
- Fiscal Impact/Operating Studies; and
- Insurance valuations and records.

2. STATE OF LOCAL INFRASTRUCTURE

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2.1 Scope and Process

This section of the plan provides an opportunity to develop a greater understanding of the capital assets owned by the Town. The state of local infrastructure analysis includes:

- An asset database documenting asset types, sub-types including quantities, materials and other similar asset attributes;
- Financial accounting valuation (where available);
- Replacement cost valuation;
- Asset age distribution analysis and asset age as a proportion of expected useful life;
- Asset condition information;
- Data Verification and Asset Condition policies; and
- Documentation of assumptions made in creating the asset inventory.

The Town has a detailed inventory listing, created for PSAB 3150 purposes. This asset inventory is updated annually and was used as a starting point in fulfilling the requirements of this report. This inventory provides current financial account valuations (i.e. historical cost, accumulated amortization and net book value) as well as attributes such as useful life and age.

In anticipation of undertaking this plan, the Town commissioned multiple engineering companies to complete valuation, condition and/or needs assessments for the applicable assets. The following data and reports were used to supplement the Town's asset inventory during this process:

a) 2013 Road Needs Study (4Roads Management);
b) Water assets (Triton Engineering);
c) 2013 Municipal Bridge and Culvert Assessment Report (AECOM);
d) Facilities (R.J. Burnside and Associates Limited); and
e) Discussions with Town staff.

2.2 Capital Asset Overview

The Town presently owns and manages tax supported capital assets with a 2013 replacement value of approximately $177.6 million (excluding land, land improvements, vehicles, equipment and machinery assets as they are not included in this plan). Table 2-1 outlines the breakdown of these totals and Figure 2-1 illustrates the breakdown.

Table 2-1
2013 Tax Supported Assets

Asset Type	Historical Cost 12/31/2012	Accumulated Amortization 12/31/2012	Net Book Value 12/31/2012	Replacement Cost (2013$)
Facilites	8,366,198	4,474,543	3,891,655	28,685,300
Roads	39,329,637	17,516,959	21,812,679	121,766,333
Bridges	710,146	305,004	405,142	8,582,492
Culverts	3,805,632	1,563,834	2,241,798	18,522,692
Total Capital Assets	$ 52,211,613	$ 23,860,339	$ 28,351,274	$ 177,556,817

Figure 2-1
2013 Tax Supported Assets Distribution
Based on Replacement Cost

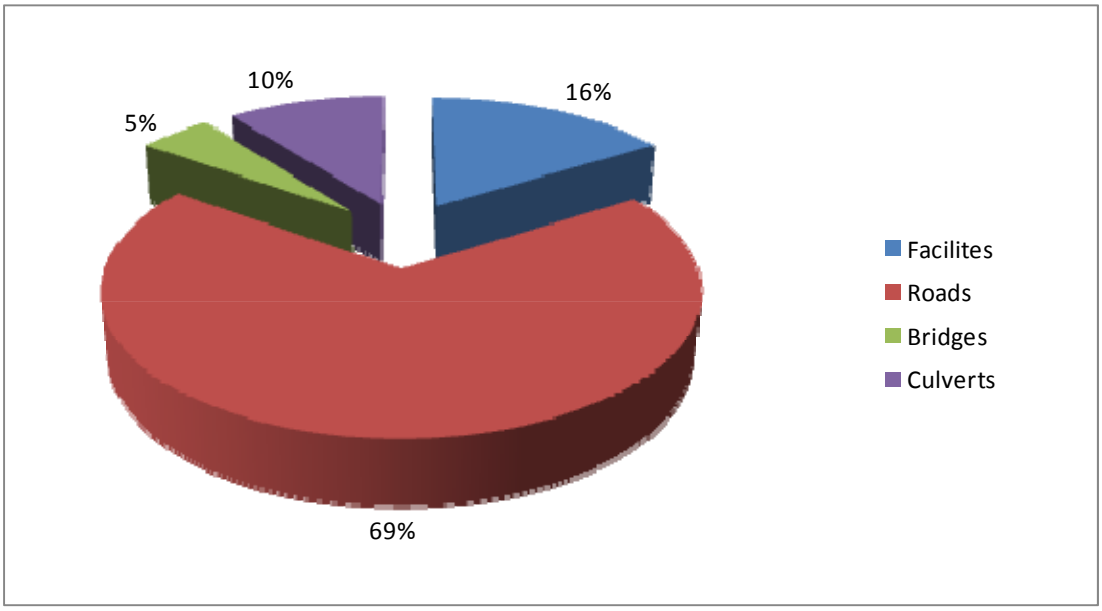


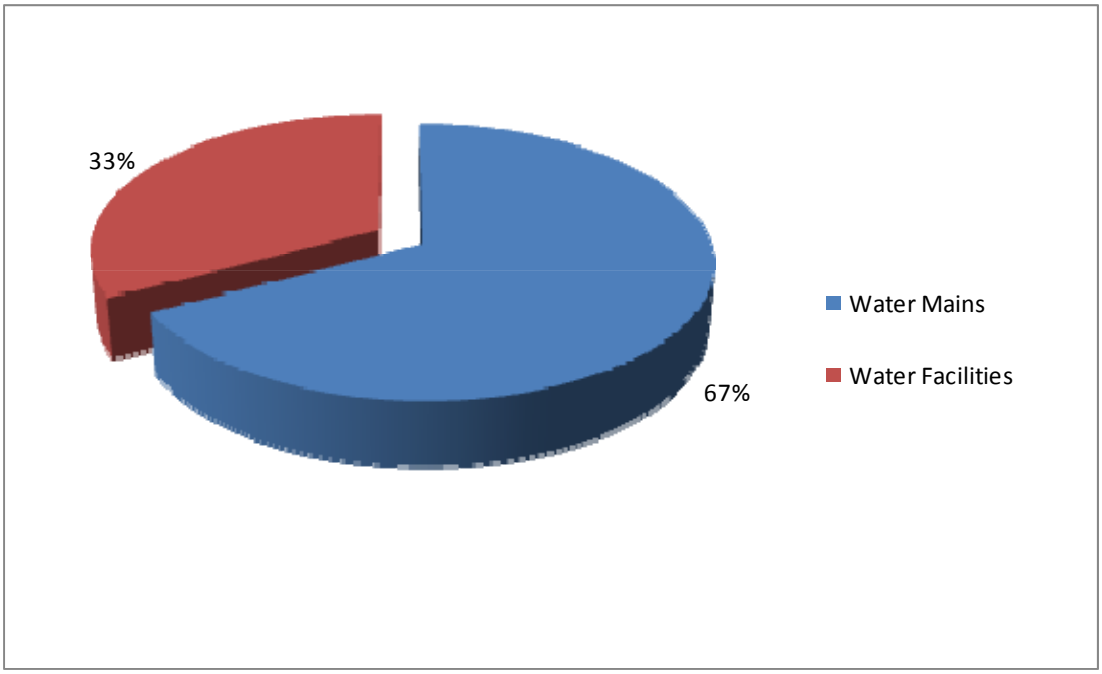
Table 2-1 also shows the Town's financial accounting valuation summary by asset type. Since 2009, the Town has been required under the PSAB 3150 to maintain asset listings complete with historical cost (i.e. the original cost to purchase or construct an asset), accumulated amotization and net book value. These values are reported on the Town's audited financial statements each year.

The Town presently owns and manages water capital assets with a 2013 replacement value of approximately $32.3 million (excluding land assets as they are not included in this plan). Table 2-2 outlines the breakdown of these totals and Figure 2-2 illustrates the breakdown.

Table 2-2
2013 Water Assets

Asset Type	Historical Cost 12/31/2012	Accumulated Amortization 12/31/2012	Net Book Value 12/31/2012	Replacement Cost (2013$)
Water Mains	6,341,128	2,181,236	4,159,892	21,769,447
Facilities	3,436,367	2,134,587	1,301,780	10,510,681
Total Water Capital Assets	$ 9,777,495	$ 4,315,823	$ 5,461,672	$ 32,280,128

Figure 2-2
2013 Water Assets Distribution
Based on Replacement Cost



If new assets or services (i.e. wastewater) are introduced by the Town, they should be incorporated into this plan. In addition, it is recommended that vehicles, equipment and land improvements be added to this plan in the future.

The detailed capital asset inventory is contained in Appendix A. Assumptions pertaining to the asset inventory were documented as part of the asset management process are shown in Appendix B.

2.3 Asset Age Analysis

Each asset is tracked based on estimated total useful life and remaining service life. Using this information, an age analysis of the Town's assets can assist in identifying potential areas of focus for the asset management plan.

Table 2-4 provides an age analysis summary, including the weighted (based on replacement cost) average useful life and weighted average remaining useful life for all the assets included in this plan. This analysis can assist in identifying potential short-term priorities within specific asset areas.

Table 2-4
Asset Age Analysis

Selected Tax Supported Assets

Asset Type	Weighted Average (Rounded)		
	Useful Life	Remaining Useful Life	% Remaining Useful Life
Facilites	78	49	63.3%
Roads	37	19	49.6%
Bridges	47	6	13.5%
Culverts	48	14	30.0%

Water Assets

Asset Type	Weighted Average (Rounded)		
	Useful Life	Remaining Useful Life	% Remaining Useful Life
Water Mains	66	40	61.4%
Facilities	40	16	41.2%

Total useful life and remaining service life for each capital asset is documented in Appendix A.

While this analysis can be useful in looking at the overall age characteristics of specific asset areas, asset condition (see below) will assist in providing a more accurate assessment of assets reaching the end of their useful life.

2.4 Asset Condition

Including condition assessments in the asset management plan provides for a higher level of accuracy than simply relying on useful life assumptions, especially when it comes to older, highly used or more financially significant assets. Condition assessments can provide more realistic estimates of remaining service life, which can then be used to establish rehabilitation or replacement schedules.

Condition ratings were derived from a combination of available studies (listed in section 2.1) and the age analysis (all other assets). This rating was then converted to a condition description of "Very Poor" to "Very Good". A high level summary of the weighted average condition in each asset category is as follows:

Table 2-5
Weighted Average Condition by Asset Category

Selected Tax Supported Assets

Asset Type	Weighted Condition
Facilites	Average
Roads	Average
Bridges	Average
Culverts	Average

Water Assets

Asset Type	Weighted Condition
Water Mains	Good
Facilities	Good

Further discussion of condition assessments will take place in Chapter 4 when assessing asset risk and identifying asset priorities. Furthermore, detailed asset conditions are documented in Appendix A to this report. It is recommended that these condition assessments be updated as new information becomes available. Please see section 2.5 for further details.

2.5 Data Accuracy and Completeness

An important element of this asset management plan is ensuring that tools and procedures are in place to maintain accuracy and completeness of the asset data and calculations moving forward. As time passes, assets are used, maintained, improved, disposed of, and replaced. All of these lifecycle events can trigger changes to the asset database used within the asset management plan. Therefore, tools and procedures are essential to ensure the asset data remains accurate and complete. Please refer to Appendix C to this report for the "Data Verification and Condition Assessment Policy" for the Town. This policy illustrates how the asset data will be updated and verified going forward. This includes the timing of condition assessments for each asset area, as well as what should be included within the condition assessment procedures.

3. EXPECTED LEVELS OF SERVICE

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3.1 Scope and Process

A level of service (LOS) analysis gives the Town an opportunity to document the level of service that is currently being provided and compare it to the level of service that is expected. This can be done through a review of current practices and procedures, an examination of trends or issues facing the Town, or through an analysis of performance measures and targets that staff can use to measure performance.

Expected LOS can be impacted by a number of factors, including:

- Legislative requirements;
- Strategic planning goals and objectives;
- Resident expectations;
- Council or Town staff expectations; and
- Financial or resource constraints.

The previous task of determining the state of the Town's local infrastructure establishes the asset inventory and condition, as well as asset management policies and principles to guide the refinement and upkeep of asset infrastructure. The LOS analysis will utilize this information and factor in the impact of asset service level targets. It is important to document an expected LOS that is realistic to the Town. It is common to strive for the highest LOS, however these service levels usually come at a cost. It is also helpful to consider the risk associated with a certain LOS. Therefore, expected LOS should be determined in a way that balances both level of investment and associated risk to the Town.

3.2 Current Levels of Service versus Expected Levels of Service

The Town's current LOS has resulted in the current state of infrastructure discussed in chapter 2. The current LOS also relates to the risk assessment discussed in later report sections. Regarding the cost of the LOS, the Town has established an operating and capital budget for the current year that includes the cost of providing this LOS to residents.

Therefore in moving from the current LOS to an expected LOS, consideration has to be made for the associated cost (or impact on the Town's current budget). The table below outlines broad LOS descriptions (both current and expected LOS). This analysis was documented through discussions with Town staff.

Table 3-1
Level of Service Analysis

Roads

Department	Level of Service Description	
	Current	Expected
Public Works	Meet "Minimum Maintenance Standards" as defined by Ontario Regulation 239/02.	Meet "Minimum Maintenance Standards" as defined by Ontario Regulation 239/02.
Public Works	Roads Maintenance based on allocated budget.	Maintain adequate PCI as per the Roads Needs Study.
Public Works	Roads Maintenance based on allocated budget.	Roads Maintenance (i.e. Crack Sealing, Surface Treatment) as per the Roads Needs Study.
Public Works	Gravel Resurfacing based on allocated budget.	Gravel Resurfacing on applicable roads every 3 years.

Bridges & Culverts

Department	Level of Service Description	
	Current	Expected
Public Works	Maintain adequate condition and load limits.	Maintain adequate condition (based on BCI) and load limits (12 tonnes).
Public Works	Bridge inspections (i.e. using OSIM reports) required every 2 years.	Bridge inspections (i.e. using OSIM reports) required every 2 years.
Public Works	Limited Bridge & Culvert Maintenance.	Bridge & Culvert Maintenance as per OSIM Reports.

Buildings

Department	Level of Service Description	
	Current	Expected
Various	Meet legislative requirement (Building Code, Fire Code, Accessibility, Health & Safety, etc.)	Meet legislative requirement (Building Code, Fire Code, Accessibility, Health & Safety, etc.)
Various	Reactive Maintenance Approach.	Proactive Maintenance as per the Facility Condition Report.
Various	Some Back-up Power (Generators) in Place.	Back-up Power (Generators) Where Needed.

Water

Department	Level of Service Description	
	Current	Expected
Water	Meet all legislative requirements.	Meet all legislative requirements.
Water	Minimize Water Main Breaks.	Minimize Water Main Breaks.
Water	Minimize Unaccounted for Water.	Minimize Unaccounted for Water (below 15%).
Water	Reactive maintenance for Leak Detection and Meter Replacement.	Introduce Leak Detection, Backflow Prevention and Meter Replacement Programs.
Water		Maintain and Monitor Adequate Average Age of Water Mains.

Please refer to Appendix D of this report for a table summarizing the estimated budget impacts associated with implementing the expected LOS over the 20 year forecast period. This impact analysis will be factored into the asset management strategy discussed in chapter 4 of this report.

3.3 Level of Service Performance Measures

As mentioned above, using performance measures in the LOS review can also be helpful in measuring the Town's goals and objectives when it comes to asset management. The Town currently tracks specific performance measures as part of the Municipal Performance Measurement Program (MPMP) which the province has in place as part of the annual Financial Information Return (FIR) submission. The FIR provides the annual financial results of the Town, while the MPMP provides an evaluation of the Town's "performance". The following table provides a summary of the specific MPMPs relating to capital asset effectiveness.

Table 3-2
Performance Measures Analysis

Department	Assets	Performance Measure Description	Historical Performance			Goal
			2011	2012	2013	
Fire	Buildings, Equipment, Vehicles	Residential fire civilian injuries per 1,000 persons	-	0.0820	Not yet available	Minimize
Fire	Buildings, Equipment, Vehicles	Residential fire civilian fatalities per 1,000 persons	-	-	Not yet available	Minimize
Fire	Buildings, Equipment, Vehicles	Number of residential structural fires per 1,000 households	0.7110	1.9810	Not yet available	Minimize
Transportation	Roads	Percentage of paved lane Km where condition is rated as good to very good	32.90%	38.40%	Not yet available	Maximize
Transportation	Bridges & Culverts	Percentage of bridges & culverts where condition is rated as good to very good	25.00%	25.00%	Not yet available	Maximize
Transportation	Roads	Percentage of winter events where response met or exceeded local service levels	100.00%	100.00%	Not yet available	Maximize
Water	Water mains	Weighted # days when a boil water advisory was issued	-	-	Not yet available	Minimize
Water	Water mains	Number of water main breaks per 100 KM of pipe	12.1212	24.2424	Not yet available	Minimize

The Town will continue to calculate and monitor these performance measures, both for MPMP and asset management purposes. As the Town's asset management plan evolves over time, new performance measures can be introduced to further measure the LOS being provided in each service area.

4. ASSET MANAGEMENT STRATEGY

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4.1 Scope and Process

The asset management strategy provides the recommended course of actions required to maintain (or move towards) a sustainable asset funding position while delivering the expected levels of service discussed in the previous chapter. The course of actions, when combined together, form a long-term operating and capital forecast that includes:

a) Non-infrastructure solutions: reduce costs and/or extend expected useful life estimates;
b) Maintenance activities: regularly scheduled activities to maintain existing useful life levels, or repairs needed due to unplanned events;
c) Renewal/Rehabilitation: significant repairs or maintenance planned to increase the useful life of assets;
d) Replacement/Disposal: complete disposal and replacement of assets, when renewal or rehabilitation is no longer an option; and
e) Expansion: given planned growth as outlined in the Town's Development Charge Background Study, other expansion or due to the introduction of new services.

Priority identification becomes a critical process during the asset management strategy development. Priorities have been determined based on assessment of the overall risk of asset failure, which is determined by looking at both the probability of an asset failing, as well as the consequences of failure. The consequences of the Town not meeting desired levels of service must also be considered in determining risk. As discussed in chapter 3, moving to expected levels of service results in both operating and capital budget impacts over the 20 year forecast period. This has to be taken into consideration, with the overall objective of reaching sustainable levels while mitigating risk.

4.2 Risk Assessment

The risk of an asset failing is defined by the following calculation:

Risk of Asset Failure = Probability of Failure X Consequence of Failure

Probability of failure has been linked to the condition assessment for each of the tax supported assets, assuming that an asset in "very good" condition would have a "rare" probability of failure. The following table outlines the probability factor tied to each condition rating:

Table 4-1
Probability of Failure Matrix

Condition	Probability of Failure
Very Poor	Almost Certain
Poor	Likely
Average	Possible
Good	Unlikely
Very Good	Rare

Consequence of failure has been determined by examining each asset type separately. Consequence refers to the impact on the Town if a particular asset were to fail. Types of impacts include the following:

- **Cost Impacts:** the cost of failure to the Town (i.e. capital replacement, rehabilitation, fines & penalties, damages, etc);
- **Social impacts:** potential injury or death to residents or Town staff;
- **Environmental impacts:** the impact of the asset failure on the environment;
- **Service delivery impacts:** the impact of the asset failure on the Town's ability to provide services at desired levels; and
- **Location impacts:** the varying impact of asset failure based on the asset's location within the Town.

Each type of impact was discussed with Town staff and consequence of failure for each asset type was determined by using the information contained in Table 4-2 as a guide to assess the level of impact. Levels of impact were documented as ranging from "catastrophic" to "insignificant".

For water related assets, Triton Engineering considered multiple factors (see Appendix B) in determining asset condition, probability of failure, and consequence of failure. The result, on an asset specific basis, is shown in Appendix A.

With both probability of failure and consequence of failure documented, total risk of asset failure was determined using the matrix contained in Table 4-3. Total risk has been classified under the following categories:

- **Extreme Risk (E):** risk well beyond acceptable levels;
- **High Risk (H):** risk beyond acceptable levels;
- **Medium Risk (M):** risk at acceptable levels, monitoring required to ensure risk does not become high; and
- **Low Risk (L):** risk at or below acceptable levels.

Table 4-2
Consequence of Failure Matrix for Tax Supported Assets

Consequence of Failure	Cost	Social	Environmental	Service Delivery
Insignificant	Negligible or Insignificant Cost	No injury	No Impact	No Interruptions
Minor	Small/Minor Cost - within Budget Allocations.	Minor Injury	Short-term/Minor Impact - Fixable	Minor Interruptions
Moderate	Considerable Cost - Requires Revisions to Budget	Moderate Injury	Medium-term Impact - Fixable	Moderate Interruptions
Major	Substantial Cost - Multi-year Budget Impacts	Major Injury	Long-term Impact - Fixable	Significant Interruptions
Catastrophic	Significant Cost - Difficult to Recover	Death, Serious Injury	Long-term Impact - Permanent	Major Interruptions

Table 4-3
Total Risk of Asset Failure Matrix

Probability of Failure	Consequence of Failure				
	Insignificant	Minor	Moderate	Major	Catastrophic
Rare	L	L	M	M	H
Unlikely	L	M	M	M	H
Possible	L	M	M	H	E
Likely	M	M	H	H	E
Almost Certain	M	H	H	E	E

Risk levels can be reduced or mitigated through planned maintenance, rehabilitation and/or replacement. An objective of this asset management plan is to reduce risk levels where they are deemed to be too high, as well as ensure assets are maintained in a way that maintains risk at acceptable levels.

Please refer to Appendix A for the detailed risk assessment for each of the Town's capital assets.

4.3 Priority Identification

Through discussions with Town staff and review of the asset risk of failure assessment, the following assets/categories were identified as being priorities of the Town:

Table 4-4
Priorities Based on Asset Risk

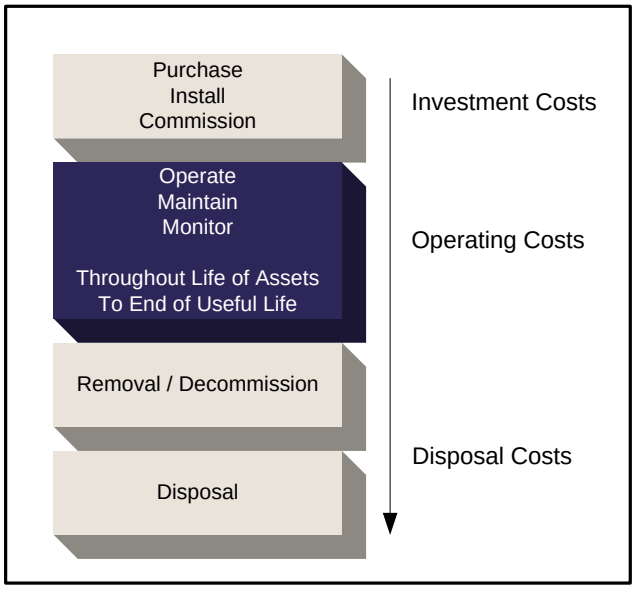
Area / Category	Description (with ID)	Total Risk	Planned Action
Roads & Bridges	Station Road (200) & Bridge (2064)	Extreme/High	Replacement in short-term capital
Roads	17 Sideroad (270-300)	Extreme/High	Replacement in short-term capital
Roads	2nd Line (710-740)	Extreme/High	Replacement in short-term capital
Roads	27 Sideroad (160)	Extreme/High	Replacement in short-term capital
Roads	Orangeville St (250)	Extreme/High	Replacement in short-term capital
Roads	5th Line (970,974)	Extreme/High	Replacement in short-term capital
Roads	Dundas St W (10000)	Extreme/High	Replacement in short-term capital
Roads	Erin-Eramosa Boundary (620)	Extreme/High	Replacement in short-term capital
Bridges & Culverts	Culvert 2045	Extreme/High	Replacement in short-term capital
Bridges & Culverts	Culvert 2061	Extreme/High	Replacement in short-term capital
Bridges & Culverts	Bridge 1	Extreme/High	Replacement in short-term capital
Water	Charles St (2300)	Extreme/High	Replacement in short-term capital
Water	Daniel St (16000,17000)	Extreme/High	Replacement in short-term capital
Water	Church Blvd (2400,2450,2500)	Extreme/High	Replacement in short-term capital
Water	Ellen Cres (1370)	Extreme/High	Replacement in short-term capital
Water	Spruce St (1395)	Extreme/High	Replacement in short-term capital
Facilities	Emergency Generators - Hillsburgh Fire Hall & Centre 2000	High	Replacement in short-term capital
Facilities	Centre 2000 HVAC	High	Replacement in short-term capital

4.4 Long-term Forecast

For many years, lifecycle costing has been used in the field of maintenance engineering and to evaluate the advantages of using alternative materials in construction or production design. The method has gained wider acceptance and use recently in the management of capital assets. By

asset, from the time it is purchased or constructed, to the time it is taken out of service for disposal. The stages which an asset goes through in its lifecycle are as follows:

Figure 4-1
Asset Lifecycle Diagram



In defining the long-term forecast for the Town's asset management strategy, costs incurred through an asset's lifecycle were considered and documented.

Asset Replacement Analysis

In forecasting the Town's asset replacement needs, comparisons were made between the following scenarios:

- *Scenario 1: Replacement forecast based on "PSAB 3150 Asset Data"*
  - Utilizing the PSAB 3150 inventory, year of installation and estimated service life, the replacement of each asset was projected.
- *Scenario 2: Replacement forecast based on "Condition and Risk*";
  - In addition to using the installation date, estimated useful life, the LOS, condition information and staff identified priorities were used, where applicable to better predict the timing of replacement. Results were smoothed over the forecast period.

In addition to the assets shown in section 2 of this report, Town staff provided a replacement schedule for vehicles and equipment, which has been included in the scenarios mentioned above.

Scenario 1: Replacement forecast based on "PSAB 3150 Asset Data"

The replacement forecast based on the PSAB 3150 asset data provides a snapshot of assets at or nearing the end of their useful lives from a purely financial accounting perspective.

Figures 4-2 and 4-3 below show the forecasts over a 10 year period, where approximately $20.5 million (replacement cost) in tax supported capital assets and $2.5 million in water capital assets are showing as “immediate needs”. For this scenario, this simply means that these assets have reached the end of their accounting useful lives. Please refer to Appendix E for charts and graphs depicting the entire 20 year forecast for this scenario.

Figure 4-2
Tax Supported Capital Assets - 10 Year Forecast

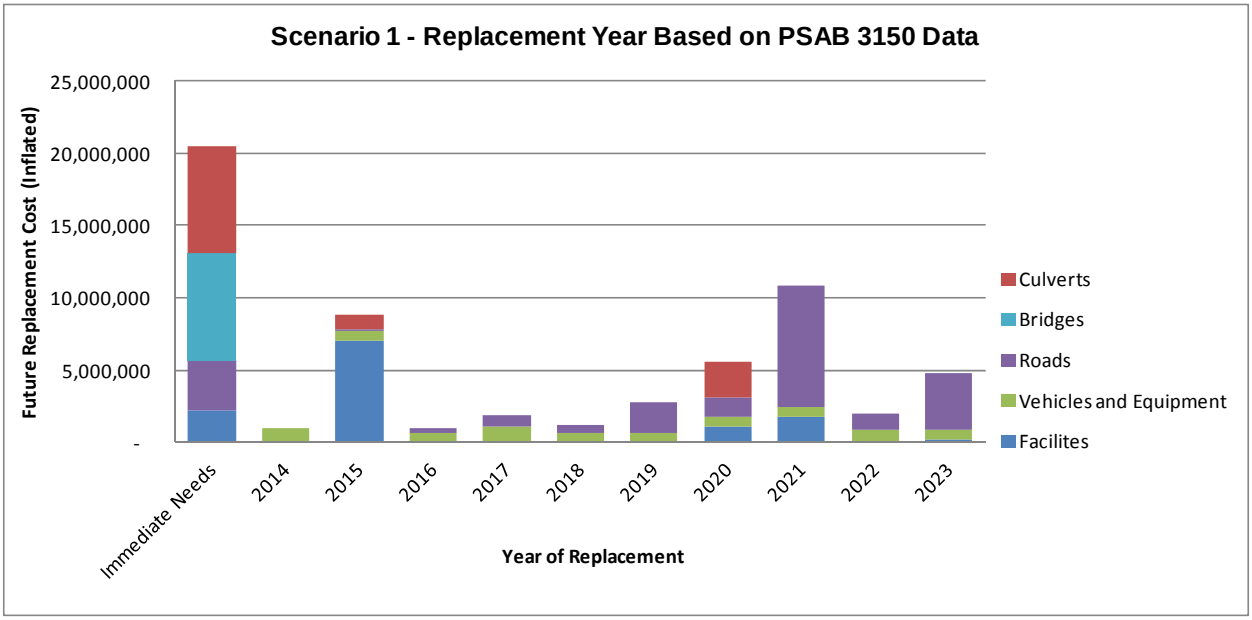
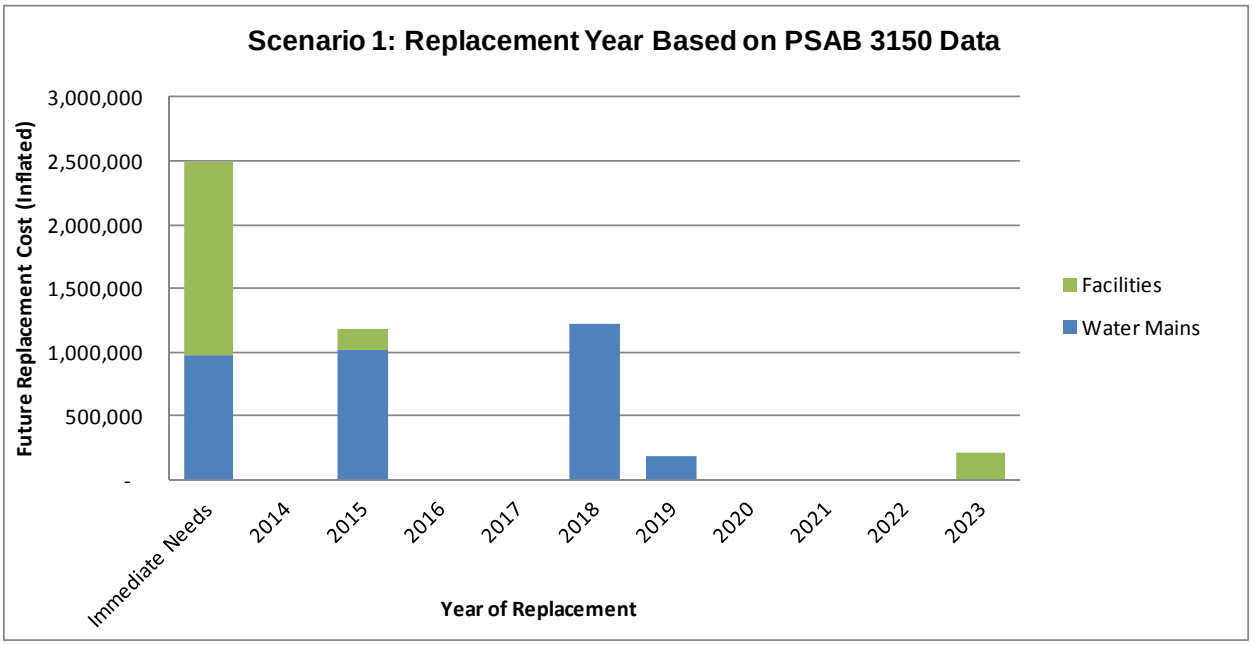


Figure 4-3
Water Capital Assets - 10 Year Forecast



Scenario 2: Replacement forecast based on "Condition and Risk"

Items that had been identified under the previous scenario have been distributed within the forecast period. Based on these adjustments, $368,000 of tax supported capital assets and $0 of water capital assets are identified as "immediate needs". Figures 4-4 and 4-5 show the 10 year forecasts under this scenario. This is the recommended scenario for the Town. Please refer to Appendix E for charts and graphs depicting the entire 20 year forecast for this scenario. A total of $73.1 million in tax supported and $14.1 million in water capital needs are identified over the 20 year forecast period ($28 million and $5.5 million respectively in the first 10 years).

Maintenance, Non-Infrastructure Solutions, Renewal & Rehabilitation

For the recommended scenario to be feasible, the level of service adjustments discussed in Chapter 3 and Appendix D, are required in conjunction with current level of service amounts in order to effectively maintain and rehabilitate the assets as needed. Appendix D provides additional rehabilitation and maintenance requirements over the forecast period in the following areas:

- Roads – based on the Town's Road Needs Study immediate needs recommendations, as well as discussions with Town staff;
- Bridges – based on the Town's needs identified in the Bridge and Culvert Inspection Report;
- Facilities – based on the review completed by R.J. Burnside and Associates Limited; and
- Water – based on discussions with Town staff and Triton Engineering.

The financing strategy discussed in the next Chapter will incorporate the level of service adjustments, outlined in Appendix D, into the recommended financing analysis.

Figure 4-4
Tax Supported Capital Assets - 10 Year Forecast

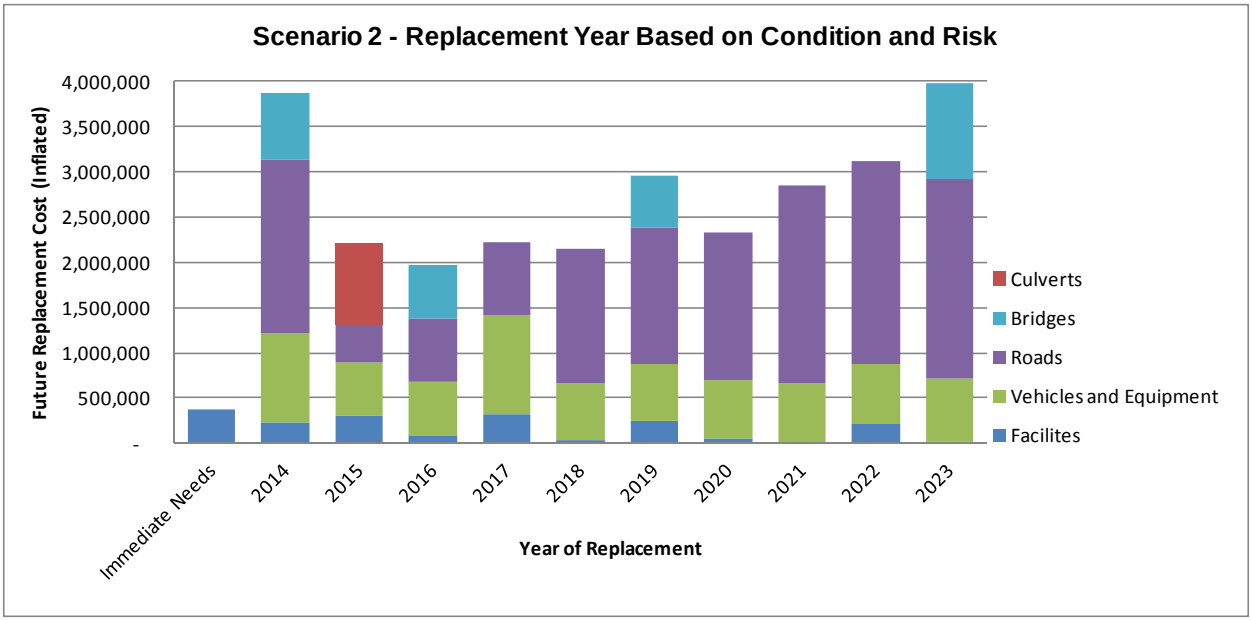
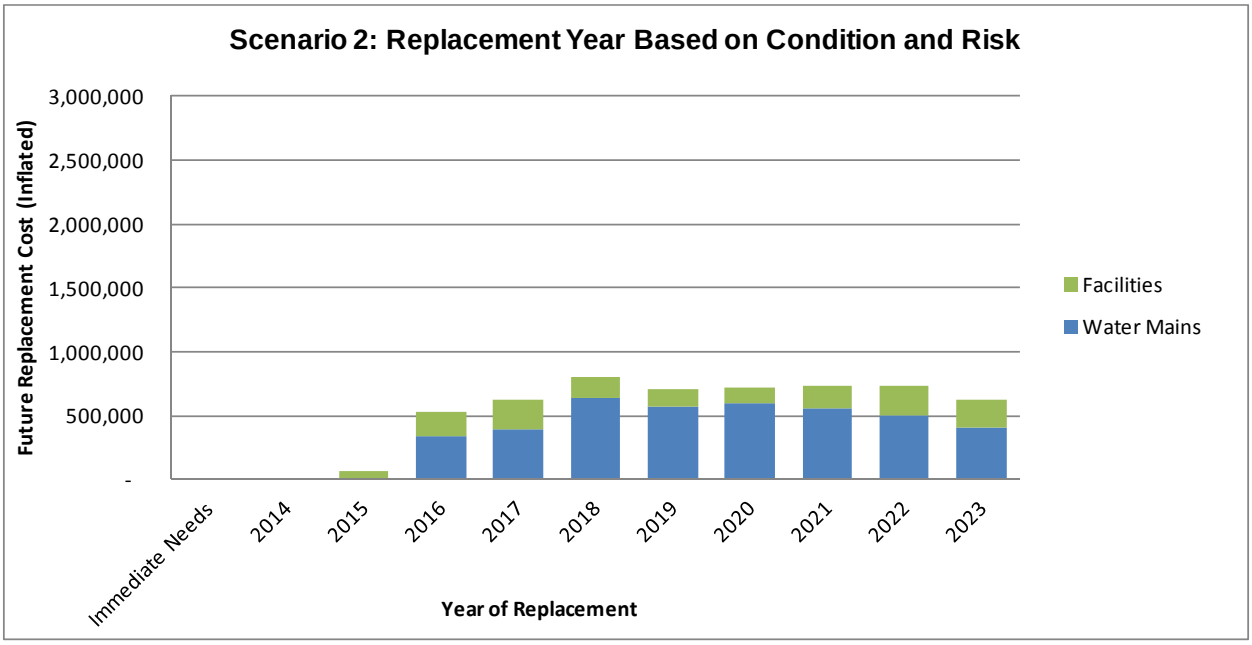


Figure 4-5
Water Capital Assets - 10 Year Forecast



4.5 Procurement Methods

Section 270(1) of the Municipal Act, S.O. 2001, provides that municipalities (and local boards) shall adopt and maintain policies with respect to its procurement of goods and services. Procurement policies are developed to provide a framework to support open, fair, transparent and accountable purchasing processes, and to ensure procurement processes are consistently managed. Moreover, the establishment of a by-law adopting the procurement policy provides a document which has the approval of Council, which allows an opportunity for public debate.

An effective procurement policy assists municipalities in identifying cost-effective options for providing services, while at the same time reducing risk. Innovative project management models, such as public-private partnerships (P3's) or co-operative purchasing, can help bring together expertise, resources and funding opportunities. Where appropriate, bidders can be required to provide lifecycle costing for the products and/or services being tendered. Lifecycle costs can include initial construction/purchase price, plus operating costs for a contracted period of time. Incorporating a lifecycle perspective in the procurement process can encourage effective asset management in the time period following the initial capital investment.

In order to have an effective and efficient procurement program, especially related to the purchase/construction of large capital assets, the procurement policy can include clauses to protect the municipality, as well as assist in receiving competitive responses. Examples include:

- Identification of the criteria used to determine the type of competitive process to be followed (i.e. tender, RFP, RFQ);

- Identification of circumstances when Sole Sourcing, Negotiation, and/or In-House Bids can be used;
- Description of the methods to be used for advertising a competitive process;
- Providing direction for purchasing in cases of emergency;
- Providing direction for purchasing as part of a co-operative purchasing group;
- Outlining any requirements related to bid deposits or other financial security;
- Inclusion of a non-discrimination clause highlighting positions such as having a 'no local preference' policy;
- Notification that any bid can be rejected by the municipality;
- Identification of reasons for terminating a contract with a supplier/contractor (i.e. poor performance, unethical behaviour);
- Identification of restrictions on the types and/or amounts of damages to which bidders may be entitled, arising from their responding to a competitive process; and
- Requirement for bidders to supply proof of insurance and WSIB.

As part of the continuous asset management update process, it is recommended that the Town's procurement policies and procedures be reviewed and compared against procurement best practices to ensure resources are being allocated in an efficient manner.

5. FINANCING STRATEGY

5. FINANCING STRATEGY

5.1 Scope and Process

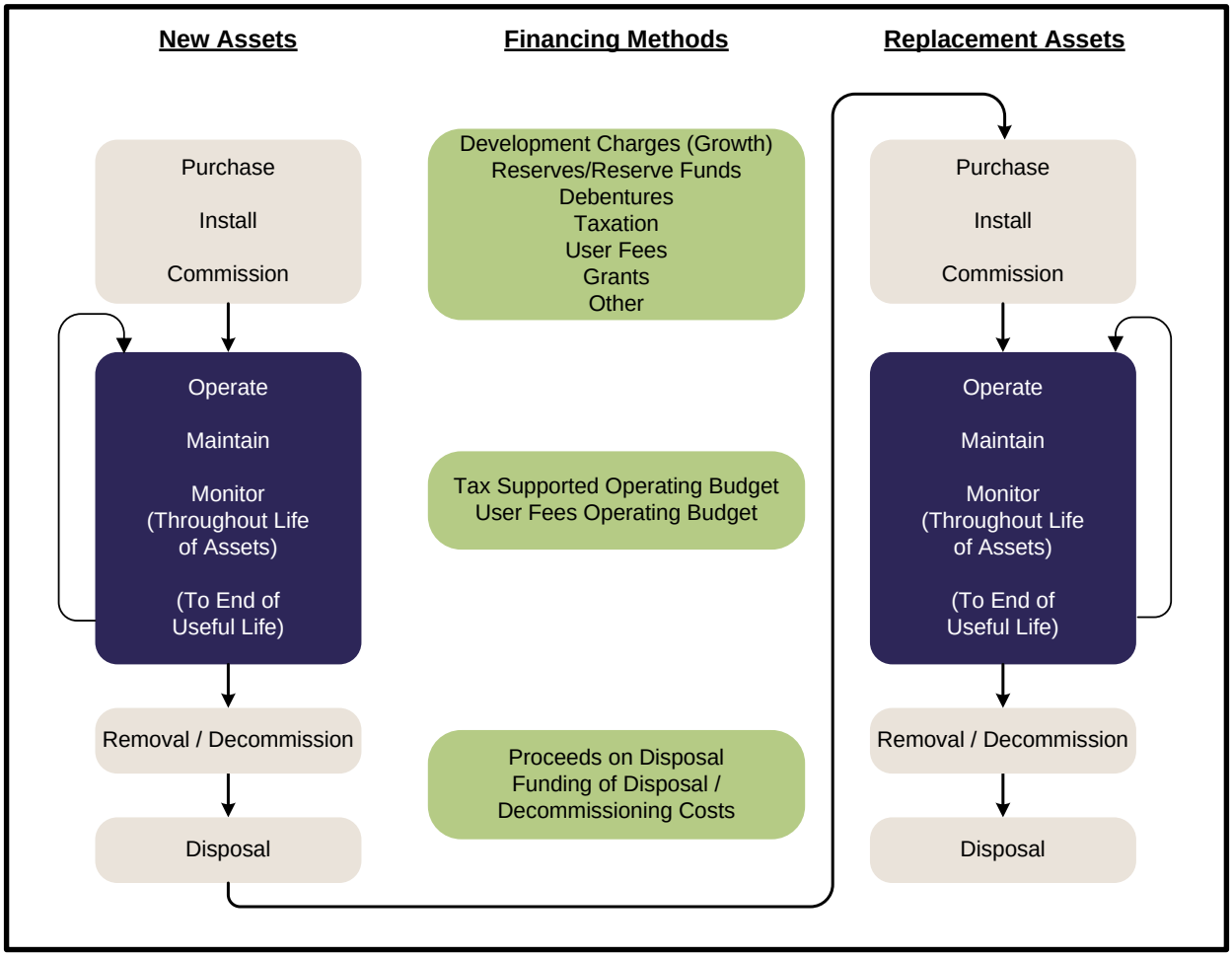
The financing strategy outlines the suggested financial approach to funding the recommended asset management strategy outlined in Chapter 4, while utilizing the Town's existing budget structure. This section of the asset management plan includes:

- Annual expenditure forecasts broken down by:
    - Maintenance/non-infrastructure solutions;
    - Renewal/rehabilitation activities;
    - Replacement/disposal activities; and
    - Expansion activities.
- Actual expenditures in the above named categories for 2011, 2012 and budget expenditures for 2013;
- A breakdown of annual funding/revenue by source;
- Identification of the funding shortfall, including how the impact will be managed; and
- All key assumptions are documented within Appendix B.

The long-term financing strategy forecast (including both expenditure and revenue sources) was prepared, consistent with the Town's departmental budget structure, so that it can be used in conjunction with the annual budget process. Various financing options, including taxation, reserves, reserve funds, debt, user fees and grants were considered and discussed with Town staff during the process. Figure 5-1 provides a visual representation of how various financing methods can be used for both initial asset purchases, as well as asset replacements.

For the recommended asset management strategy scenario, a detailed twenty (20) year plan was generated. The plan identifies specific maintenance & non-infrastructure solutions, renewal & rehabilitation, replacement & disposal, and expansion activities required for the 20 year forecast period as described in Chapter 4.

Figure 5-1
Financing Methods of Lifecycle Costs



5.2 Historical Results

Table 5-1 outlines the historical tax supported maintenance/non-infrastructure costs for 2011 and 2012, as well as 2013 budgeted results. All maintenance for assets was funded through taxation revenue for tax supported assets and water rates for water related assets based on the Town's budget structure.

Table 5-1
Historical Results
Maintenance & Non-Infrastructure Solutions

Tax Supported

Description	Actual 2011	Actual 2012	Budget 2013
Asset Maintenance	1,148,822	1,271,251	1,484,493
Taxation Funding	1,148,822	1,271,251	1,484,493
Net Unfunded	-	-	-

Water

Description	Actual 2011	Actual 2012	Budget 2013
Asset Maintenance	106,108	133,745	130,000
Water Rate Revenue	106,108	133,745	130,000
Net Unfunded	-	-	-

Tables 5-2 and 5-3 outline the historical capital results for 2011, 2012 and budgeted results for 2013 including renewal/rehabilitation, replacement/disposal, and expansion. The capital funding includes the use of grants, development charges for growth (expansion) related costs, debentures, reserve/reserve funds, gas tax, donations, as well as contributions from the operating budget.

Table 5-2
Tax Supported Historical Results
Renewal/Rehabilitation, Replacement/Disposal & Expansion

Description	Actual 2011	Actual 2012	Budget 2013
Capital Expenses			
General Government	35,523	32,142	83,990
Building Dept	1,033	-	45,000
Fire	657,774	2,123,124	387,326
Roads	303,961	1,235,000	1,432,856
Street Lighting	5,154	907	15,000
Environmental	96,175	72,513	100,000
Planning	813	-	-
Recreation & Culture	229,720	283,045	93,552
	1,330,153	3,746,731	2,157,724
Capital Financing			
Provincial/Federal Grants	-	66,100	23,768
Federal Gas Tax	50,986	653,338	341,965
Transfer from Operating	831,841	401,933	665,211
Long Term Debt Proceeds	146,419	1,612,226	277,335
Reserve Funds: Development Charges	50,000	200,599	50,000
Reserve Funds: Other	-	55,416	142,400
Reserves: Capital	250,907	720,103	588,038
Other Revenue	-	37,016	69,007
Total Capital Financing	1,330,153	3,746,731	2,157,724
Total Capital Expenses less Capital Financing	-	-	-

Table 5-3
Water Historical Results
Renewal/Rehabilitation, Replacement/Disposal & Expansion

Description	Actual 2011	Actual 2012	Budget 2013
Capital Expenses			
Major Studies	-	-	20,000
ORII Project # 1	288	30,811	738,396
CIIF - Water Tower Interior Coating	-	-	237,533
Capital Projects	43,471	401,771	186,000
	43,759	432,582	1,181,929
Capital Financing			
Provincial/Federal Grants	17,405	159,758	738,396
Long Term Debt Proceeds	8,559	38,210	-
Transfer from Operating	-	24,981	
Reserve Funds: Development Charges	-	-	50,000
Reserve Funds: Other	17,795	68,542	104,166
Reserves: Capital	-	12,467	283,867
Other Revenue	-	128,624	5,500
Total Capital Financing	43,759	432,582	1,181,929
Total Capital Expenses less Capital Financing	-	-	-

5.3 Financing Strategy

Tax Supported

Table 5-4 shows the tax supported expenditure forecast for maintenance, renewal/rehabilitation, replacement/disposal and expansion for the first 10 years of the forecast. While this summary only shows high level cost classifications, further detail (including the full 20 year forecast) can be obtained from Appendix F.

Table 5-4
Tax Supported Expenditure Forecast Summary

Asset Lifecycle Costs	Forecast (Inflated)									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Maintenance: Current Service Levels	1,514,183	1,544,466	1,575,355	1,606,862	1,638,999	1,671,779	1,705,215	1,739,319	1,774,105	1,809,587
Maintenance: LOS Adjustment	25,194	25,698	26,212	26,736	27,271	27,816	28,373	28,940	29,519	56,927
Total Asset Maintenance	1,539,377	1,570,164	1,601,567	1,633,598	1,666,270	1,699,595	1,733,587	1,768,259	1,803,624	1,866,515
Renewal/Rehabilitation	-	-	-	-	-	-	-	-	-	-
Renewal/Rehabilitation - LOS Adjustment	415,378	487,484	463,863	522,799	584,854	650,161	718,861	791,098	867,022	946,789
Total Renewal/Rehabilitation	415,378	487,484	463,863	522,799	584,854	650,161	718,861	791,098	867,022	946,789
Replacement/Disposal	4,056,692	2,397,770	1,977,794	2,213,935	2,145,322	2,959,216	2,322,176	2,856,160	3,114,414	3,982,692
Replacement/Disposal - LOS Adjustment	-	-	-	-	-	-	-	-	-	-
Total Replacement/Disposal	4,056,692	2,397,770	1,977,794	2,213,935	2,145,322	2,959,216	2,322,176	2,856,160	3,114,414	3,982,692
Expansion: DC Related	289,718	298,410	286,579	542,023	324,597	83,584	1,475,849	1,411,182	-	-
Expansion: LOS Adjustment	69,834	-	404,746	-	-	-	-	-	-	-
Total Expansion	359,552	298,410	691,324	542,023	324,597	83,584	1,475,849	1,411,182	-	-
Total	**6,371,000**	**4,753,828**	**4,734,549**	**4,912,355**	**4,721,043**	**5,392,556**	**6,250,473**	**6,826,698**	**5,785,060**	**6,795,996**

Items in Table 5-4 labelled as "LOS Adjustment" refer to the level of service analysis discussed in Chapter 2 and Appendix D. Expansion related costs labelled as "DC related" refer to projects identified in the Town's Development Charge Background Study (please refer to Appendix F).

Table 5-5 summarizes the recommended strategy to finance the asset related costs identified in Table 5-4.

Table 5-5
Breakdown of Annual Tax Supported Funding (Revenue) by Source

Funding (Revenue) by Source	Forecast									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Taxation	1,539,377	1,570,164	1,601,567	1,633,598	1,666,270	1,699,595	1,733,587	1,768,259	1,803,624	1,866,515
Grants	2,000,000	-	-	-	-	-	-	-	-	-
Other Contributions	16,000	-	97,650	-	-	-	-	-	-	-
Debentures	638,000	600,000	900,000	700,000	200,000	1,000,000	1,400,000	1,300,000	500,000	1,000,000
Development Charges Reserve Funds	144,859	149,205	143,289	271,011	324,597	62,688	147,585	479,802	-	-
Gas Tax Reserve Funds	354,442	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965
Capital Reserve Fund	1,678,322	2,092,494	1,650,077	1,965,780	2,188,210	2,288,308	2,627,336	2,936,673	3,139,470	3,587,517
Total	**6,371,000**	**4,753,828**	**4,734,549**	**4,912,355**	**4,721,042**	**5,392,556**	**6,250,473**	**6,826,698**	**5,785,060**	**6,795,996**

These lifecycle costs are being recovered through several methods:

- Taxation funding is suggested for all maintenance costs, as well as level of service adjustment related costs related to operations.
- The portion of newly acquired or constructed assets that are "growth (DC) related" are shown as financed by development charges.
- Federal Gas Tax has been shown as a stable and long-term funding source for eligible capital projects.
- Debt financing is shown as required in years where significant capital needs are identified.
- Other contributions include donations and other miscellaneous revenues.
- The Town will be dependent upon maintaining healthy capital reserves/reserve funds in order to provide the remainder of the required lifecycle funding over the forecast period. This will require the Town to proactively increase amounts being transferred to these capital reserves during the annual budget process.

While the annual funding requirement may fluctuate, it is important for the Town to implement a consistent, yet increasing annual investment in capital so that the excess annual funds can accrue in capital reserve funds.

In order to fund the recommended asset requirements over the forecast period using the Town's own available funding sources (i.e. using taxation, gas tax funding and debentures), an increase in the Town's taxation levy of 2.5% per year (above inflationary adjustments, currently assumed to be 2.0%) would be required. However, if other funding sources become available (i.e. grant funding) or if maintenance and rehabilitation practices allow for the deferral of capital works, then the impact on Town taxation would decrease.

Water

Table 5-6 shows the water expenditure forecast for maintenance, renewal/rehabilitation, replacement/disposal and expansion for the first 10 years of the forecast. While this summary only shows high level cost classifications, further detail (including the full 20 year forecast) can be obtained from Appendix G.

Table 5-6
Water Expenditure Forecast Summary

Asset Lifecycle Costs	Forecast (Inflated)									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Maintenance: Current Service Levels	132,600	135,252	137,957	140,716	143,530	146,401	149,329	152,315	155,361	158,469
Maintenance: LOS Adjustment	-	-	-	-	-	-	-	-	-	-
Total Asset Maintenance	132,600	135,252	137,957	140,716	143,530	146,401	149,329	152,315	155,361	158,469
Renewal/Rehabilitation	-	-	-	-	-	-	-	-	-	-
Renewal/Rehabilitation - LOS Adjustment	272,084	225,000	128,750	-	-	159,135	122,987	126,677	130,477	134,392
Total Renewal/Rehabilitation	272,084	225,000	128,750	-	-	159,135	122,987	126,677	130,477	134,392
Replacement/Disposal	-	56,468	520,887	624,493	799,397	699,310	711,721	729,588	736,500	628,183
Replacement/Disposal - LOS Adjustment	-	-	112,000	181,875	187,331	-	-	-	-	-
Total Replacement/Disposal	-	56,468	632,887	806,368	986,728	699,310	711,721	729,588	736,500	628,183
Expansion: DC Related	-	-	-	-	-	-	-	1,140,093	-	-
Expansion: LOS Adjustment	-	35,000	8,500	-	-	-	-	-	-	-
Total Expansion	-	35,000	8,500	-	-	-	-	1,140,093	-	-
Total	**404,684**	**451,720**	**908,094**	**947,084**	**1,130,258**	**1,004,845**	**984,037**	**2,148,673**	**1,022,339**	**921,043**

Items in Table 5-6 labelled as "LOS Adjustment" refer to the level of service analysis discussed in Chapter 2 and Appendix D. Expansion related costs labelled as "DC related" refer to projects identified in the Town's Development Charge Background Study (please refer to Appendix G).

Table 5-7 summarizes the recommended strategy to finance the asset related costs identified in Table 5-6.

Table 5-7
Breakdown of Annual Water Funding (Revenue) by Source

Funding (Revenue) by Source	Forecast									
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Water Rate Revenue	132,600	135,252	137,957	140,716	143,530	146,401	149,329	152,315	155,361	158,469
Grants	-	-	-	-	-	-	-	-	-	-
Other Contributions	-	-	-	-	-	-	-	-	-	-
Debentures	-	-	-	-	-	-	-	-	-	-
Development Charges Reserve Funds	-	-	-	-	-	-	-	285,023	-	-
Gas Tax Reserve Funds	-	-	-	-	-	-	-	-	-	-
Capital Reserve Fund	272,084	316,468	770,137	806,368	986,728	858,445	834,709	1,711,335	866,978	762,574
Total	**404,684**	**451,720**	**908,094**	**947,084**	**1,130,258**	**1,004,845**	**984,038**	**2,148,673**	**1,022,339**	**921,043**

These lifecycle costs are being recovered through several methods:

- Water rate revenue is suggested for all maintenance costs, as well as level of service adjustment related costs related to operations.
- The portion of newly acquired or constructed assets that are "growth (DC) related" are shown as financed by development charges.

- The Town will be dependent upon maintaining healthy capital reserves/reserve funds in order to provide the remainder of the required lifecycle funding over the forecast period. This will require the Town to proactively increase amounts being transferred to these capital reserves during the annual budget process.

While the annual funding requirement may fluctuate, it is important for the Town to implement a consistent, yet increasing annual investment in capital so that the excess annual funds can accrue in capital reserve funds.

In order to fund the recommended asset requirements over the forecast period using the Town's own available funding sources (i.e. using water rate revenue and debentures), increases in rates are required as outlined in the Town's Water Rate Study (i.e. 20% in 2014 and 5% thereafter). These increases reflect capital and operating related needs. However, if other funding sources become available (i.e. grant funding) or if maintenance and rehabilitation practices allow for the deferral of capital works, then the impact on Town water rate revenue would decrease.

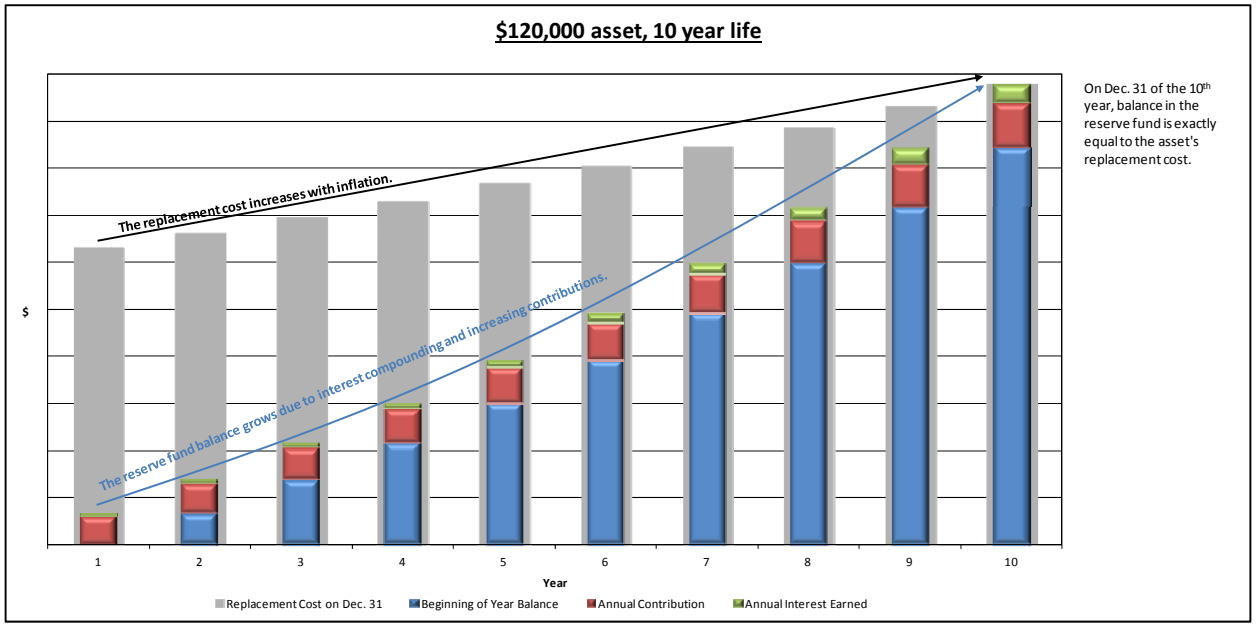
5.4 Funding Shortfall

Assuming the Town maintains adequate capital reserve funds, the recommended asset management strategy discussed in Chapter 4 will be fully funded. It is believed this can be accomplished through each annual budget process. However, the recommended asset management strategy does defer significant capital replacements, in comparison to recommendations stated in various Town asset related reports. In the event that certain deferred replacements result in increased risks and/or projected asset failures, further funding may be required to address the costs associated with accelerating replacement timelines. In addition, in the event that the Town is not successful in recent grant applications, additional funding would be required in the short-term.

A fundamental approach to calculating the cost of using a capital asset and for the provision of the revenue required when the time comes to retire and replace it is the "sinking fund method". This method first estimates the future value of the asset at the time of replacement, by inflating the current value of the asset at an assumed annual capital inflation rate. A calculation is then performed to determine annual contributions which, when invested in a reserve fund, will grow with interest to a balance equal to the future replacement cost. The contributions are calculated such that they also increase annually with inflation. Under this approach, an annual capital investment amount is calculated where funds are available for short-term needs while establishing a funding plan for long-term needs. Annual contributions in excess of capital costs in a given year would be transferred to a "capital replacement reserve fund" for future capital replacement needs. This approach provides for a stable funding base, eliminating variances in

annual funding requirements, particularly in years when capital replacement needs exceed typical capital levy funding. Please refer to Figure 5-2 for an illustration of this method.

Figure 5-2
Sinking Fund Method



Tax Supported

From a tax supported asset base perspective, the estimated annual sinking fund requirement, based on using the calculations discussed above, is approximately $5.09 million (in 2013 dollars). Based on the Town's 2013 budget, current annual capital investment is approximately $1.00 million. This would provide a high level estimate of the Town's annual infrastructure funding deficit at $4.09 million (in 2013 dollars).

Water

From a water asset base perspective, the estimated annual sinking fund requirement, based on using the calculations discussed above, is approximately $1.05 million (in 2013 dollars). Based on the Town's 2013 budget, current annual capital investment is approximately $443,500 (an additional $738,400 was received in grants). This would provide a high level estimate of the Town's annual infrastructure funding deficit at $608,500 (in 2013 dollars).

Under the recommended financing strategy, the Town would be making proactive attempts to mitigate these funding gaps over the forecast period. Please see Figures 5-3 and 5-4 below for a 10 year forecasts of implementing this strategy for tax supported and water assets respectively. The blue portion of the graph outlines the current capital investment amounts, increasing at inflation. The red portion indicates the result of implementing recommended increases in available funding sources (resulting in increases in capital investment annually). The green represents optimal annual capital investment amounts (calculated as described

above). Please note "optimal" capital investment funding can come from a number of additional sources, such as grants, donations, debt and other contributions. Please refer to Appendices F (tax supported) and G (water) for 20 year versions of these graphs, indicating that if recommended annual funding levels are achieved, the annual infrastructure funding gap would be eliminated during the forecast period.

Figure 5-3
Tax Supported Assets

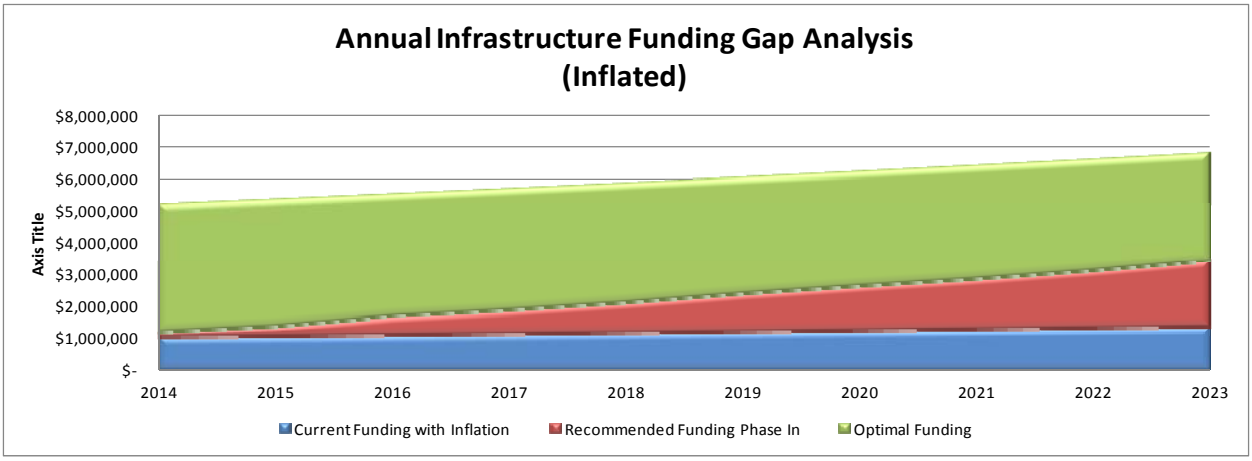
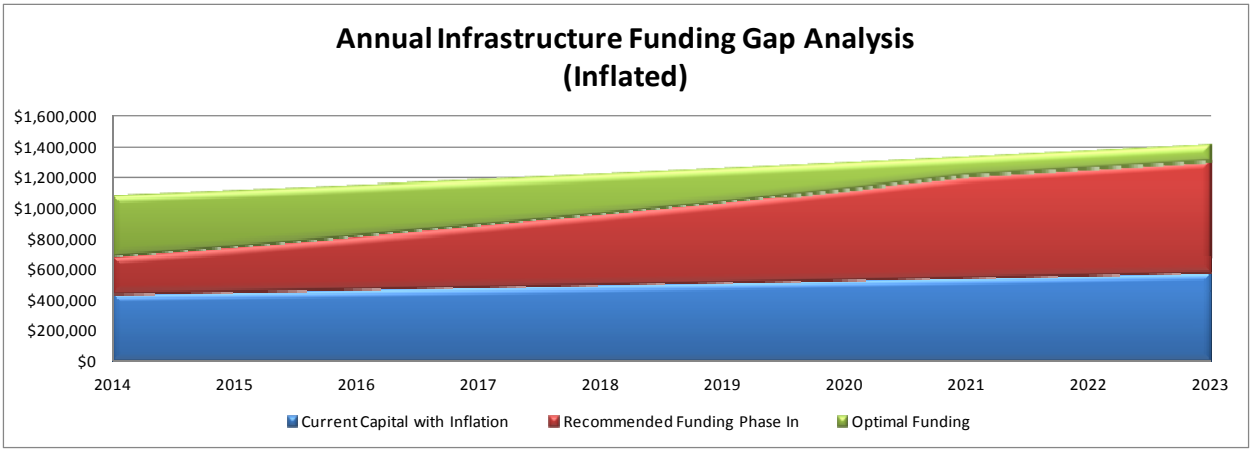


Figure 5-4
Water Assets



To further mitigate the potential infrastructure funding deficit, the Town could consider:

- Decreasing expected levels of service to make available capital funding;
- Issuing debt for significant and/or unforeseen capital projects, in addition to the debt recommended within this report, while staying within the Town's debt capacity limits (this would have the impact of spreading out the capital repayment over a defined term);
- Actively seeking out and applying for grants;
- Rate increases, where needed (i.e. taxation, user fees); or
- Implementing operating efficiencies (i.e. reduced operating costs to allow more capital investment).

6. RECOMMENDATIONS

6. RECOMMENDATIONS

The following recommendations have been provided for consideration:

- That the Town of Erin Asset Management Plan be received and approved by Council;
- That consideration of this Asset Management Plan be made as part of the annual budgeting process to ensure sufficient capital funds are available annually; and
- That this Asset Management plan be updated as needed over time to reflect the current priorities of the Town.

The current level of funding for asset replacement and renewal at the Town will not sufficiently fund capital needs or close the infrastructure funding gap. As such, it is recommended that the following additional recommendations (developed through discussions with Town staff) be considered during the annual budget process:

- Initiation of "level of service" (LOS) strategies discussed in Chapters 3, 4 and Appendix D.
- Consider an increase in taxation as part of upcoming budget deliberations, to be dedicated to capital, to be transferred to capital reserve(s).
- Water rate increases consistent with the Town's Water Rate Study.

Substantial investment in capital needs will be required over the forecast period. Through the recommendations provided above, proactive steps would be taken to increase capital investment, as well as reduce the annual infrastructure funding gap for these assets. Enhanced level of service will assist in maintaining adequate asset conditions, mitigate asset risk, as well as potentially defer capital needs within the forecast period. In addition, the Town should pursue available capital grants wherever possible, to further reduce the infrastructure funding gap.

Through the creation of this plan, Town staff have been provided with a model in which amendments and revisions can be made as needed. It is anticipated that the final plan adopted by Council will be monitored and updated frequently by Town staff as part of the budget process, with refinements and specific recommendations being provided with respect to the priority of each individual project.

APPENDIX A
DETAILED ASSET INVENTORY

Section Number	Asset Number	Item Description	Name of Street	Year Built	Length (m)	Historical Cost Dec. 31, 2013	Accumulated Amortization Dec. 31, 2012	Net Book Value Dec. 31, 2012	Useful Life	Remaining Useful Life	Replacement Cost (2013$) Triton	Probability of Failure	Consequence of Failure					Asset Condition	Total Risk of Failure	Risk of Failure	Scenario 2	
												Condition Rating	Hydraulic Capacity	Trunk vs. Local	River Crossing	Serviced Land Use	Total Consequence of Failure				Revised Replacement Year	Revised Remaining Useful Life
						$ 6,341,128	$ 2,181,236	$ 4,159,892			$ 21,769,447											
00252		200 mm - PVC	Hillsburgh - Barker St	1995	175.0	$ 57,703	$ 13,849	$ 43,854	75	57	$ 110,740	8	5	5	5	5	20	Good	160	L	2070	57
00255		150 mm - PVC	Hillsburgh - Orangeville St. [Dead end section West of Mill St]	2012	105.0	$ 13,409	$ -	$ 13,409	74	73	$ 64,211	10	5	5	5	5	20	Very Good	200	L	2086	73
00255		150 mm - PVC	Hillsburgh - Orangeville St. [Mill St to Barbor Dr]	1990	108.0	$ 34,414	$ 10,554	$ 23,860	75	52	$ 66,045	8	5	5	5	5	20	Good	160	L	2065	52
01360		150 mm - Ductile Iron	Hillsburgh - Mill St. [Covert Lane to Orangville St]	1968	532.0	$ 67,941	$ 61,147	$ 6,794	50	5	$ 266,627	5	1	1	5	5	12	Average	60	H	2019	6
01402		150 mm - Ductile Iron	Hillsburgh - Mill St. [Dead end section West of Covert Lane]	1968	25.0	$ 3,193	$ 2,873	$ 319	50	5	$ 50,146	5	1	1	5	5	12	Average	60	H	2019	6
01410		150 mm - PVC	Hillsburgh - Mill St. [Spruce St River Crossing to Trafalgar Rd]	2010	70.0	$ -	$ -	$ -	75	72	$ 42,807	10	1	1	5	5	12	Very Good	120	M	2085	72
01410		200 mm - PVC	Hillsburgh - Mill St. [Spruce St River Crossing to Anne St]	2010	61.0	$ -	$ -	$ -	75	72	$ 38,601	10	5	1	5	5	16	Very Good	160	L	2085	72
04122		150 mm - PVC	Hillsburgh - Mill St. [Dead end West of Trafagar Rd]	2010	13.0	$ -	$ -	$ -	75	72	$ 7,950	10	1	1	5	5	12	Very Good	120	M	2085	72
01370		150 mm - Ductile Iron	Hillsburgh - Ellen Cr.	1968	523.0	$ 66,792	$ 60,112	$ 6,679	50	5	$ 336,342	5	5	5	5	5	20	Average	100	H	2018	5
01377		150 mm - Ductile Iron	Hillsburgh - Alice Gt.	1968	92.0	$ 11,749	$ 10,574	$ 1,175	50	5	$ 44,642	5	5	5	5	5	20	Average	100	H	2018	5
01382		200 mm - PVC	Hillsburgh - Church St. Upper Pressure Zone [Anne to Trafalgar]	2005	121.0	$ 57,687	$ 6,153	$ 51,534	75	67	$ 98,084	9	5	1	5	5	16	Very Good	144	M	2080	67
01384		200 mm - PVC	Hillsburgh - Church St. Upper Pressure Zone [Barker to Anne]	2005	73.0	$ 34,803	$ 3,712	$ 31,091	75	67	$ 25,312	9	5	1	5	5	16	Very Good	144	M	2080	67
01384		200 mm - PVC	Hillsburgh - Church St. Lower Pressure Zone [Barker to Anne]	2010	73.0	$ -	$ -	$ -	75	72	$ 46,194	9	5	1	5	5	16	Very Good	144	M	2085	72
01385		200 mm - PVC	Hillsburgh - Church St. Upper Pressure Zone [Barker to Booster]	2010	25.0	$ -	$ -	$ -	75	72	$ 15,820	9	5	1	5	5	16	Very Good	144	M	2085	72
01385		150 mm - PVC	Hillsburgh - Church St. Lower Pressure Zone [Barker to Ellen Cr]	2010	100.0	$ -	$ -	$ -	75	72	$ 61,153	9	1	1	5	5	12	Very Good	108	M	2085	72
01385		150 mm - Ductile Iron	Hillsburgh - Church St. [Ellen Cr to Mill St]	1968	212.0	$ 27,074	$ 24,367	$ 2,708	50	5	$ 130,256	5	5	5	5	5	20	Average	100	H	2020	7
01388		200 mm - PVC	Hillsburgh - Anne St	2010	210.0	$ -	$ -	$ -	75	72	$ 130,998	10	5	5	5	5						
01395		150 mm - PVC (TW)	Hillsburgh - Spruce St. [North of Douglas St]	1978	94.0	$ 12,005	$ 8,403	$ 3,601	50	15	$ 172,452	5	1	1	1	5	8	Average	40	E	2018	5
01395		150 mm - PVC	Hillsburgh - Spruce St. [South of Douglas St]	1985	75.0	$ 9,578	$ 5,364	$ 4,214	50	22	$ 172,452	8	1	1	1	5	8	Good	64	H	2020	7
CR101		150 mm - PVC	Trafalgar Rd [Main St Hillsburgh] [Deadend secton North of Mill St]	2011	132.0	$ -	$ -	$ -	75	73	$ 80,722	10	5	1	5	4	15	Very Good	150	M	2086	73
01405		150 mm - PVC	Hillsburgh - Upper Canada Dr.	2005	730.0	$ 336,331	$ 35,875	$ 300,456	75	67	$ 461,705	9	5	5	5	5	20	Very Good	180	L	2080	67
01407		150 mm - PVC	Hillsburgh - Leader Court	2005	330.0	$ 152,040	$ 16,218	$ 135,822	75	67	$ 238,497	9	5	5	5	5	20	Very Good	180	L	2080	67
CM101		50mm - Copper	Connection-Leader Ct. and Upper Canada Dr.	2005	73.0	$ -	$ -	$ -	75	67	$ 69,195	9	5	5	5	5	20	Very Good	180	L	2080	67
01409		150 mm - PVC	Hillsburgh - McMurchy Lane	2005	90.0	$ 41,465	$ 4,423	$ 37,042	75	67	$ 55,038	9	5	5	5	5	20	Very Good	180	L	2080	67
01480		150 mm - PVC (TW)	Hillsburgh - Douglas Cr.	1978	1,120.0	$ 143,033	$ 100,123	$ 42,910	50	15	$ 703,260	5	5	5	5	5	20	Average	100	H	2032	19
01485		150 mm - PVC (TW)	Hillsburgh - Curry Rd.	1978	102.0	$ 13,026	$ 9,119	$ 3,908	50	15	$ 70,326	5	5	5	5	5	20	Average	100	H	2022	9
01487		200 mm - Ductile Iron	Hillsburgh - Covert Lane. [North of Hillsburgh Well #3]	1968	58.0	$ 7,665	$ 6,898	$ 767	50	5	$ 37,968	5	5	5	5	5	20	Average	100	H	2022	9
01487		200 mm - PVC (TW)	Hillsburgh - Covert Lane. [South of Hillsburgh Well #3]	1978	58.0	$ 19,124	$ 13,387	$ 5,737	50	15	$ 37,968	5	5	5	5	5	20	Average	100	H	2023	10
09000		150 mm - PVC	Hillsburgh - Barbour Dr. [West of Hill St]	1990	76.0	$ 25,059	$ 7,685	$ 17,374	75	52	$ 63,280	8	1	1	5	5	12	Good	96	H	2023	10
09000		200 mm - PVC	Hillsburgh - Barbour Dr. [Between Hill St and Walkway]	1990	90.0	$ 29,676	$ 9,101	$ 20,575	75	52	$ 63,280	8	5	1	5	5	16	Good	128	M	2065	52
09000		150 mm - PVC	Hillsburgh - Barbour Dr. [East of Walkway]	1990	637.0	$ 202,978	$ 62,247	$ 140,731	75	52	$ 415,841	8	1	1	5	5	12	Good	96	H	2024	11
09010		150 mm - PVC	Hillsburgh - Wallace Ave.	1990	192.0	$ 61,180	$ 18,762	$ 42,418	75	52	$ 113,133	8	5	5	5	5	20	Good	160	L	2065	52
WF101		250 mm - PVC	Hillsburgh - Unopened Hill St to Pump House	1990	137.0	$ 46,312	$ 14,202	$ 32,109	75	52	$ 77,850	8	5	1	5	5	16	Good	128	M	2065	52
09020		200 mm - PVC	Hillsburgh - Hill St.	1990	240.0	$ 79,135	$ 24,268	$ 54,867	75	52	$ 211,988	8	5	5	5	5	20	Good	160	L	2065	52
09030		150 mm - PVC	Hillsburgh - Howe St. [Hill St to Wallace St]	1990	205.0	$ 65,322	$ 20,032	$ 45,290	75	52	$ 183,459	8	5	5	5	5	20	Good	160	L	2065	52
09030		200 mm - PVC	Hillsburgh - Howe St. [Hill St to Trafalgar Rd]	1990	90.0	$ -	$ -	$ -	75	52	$ 56,952	8	5	5	5	5	20	Good	160	L	2065	52
30000		200 mm - PVC	Hillsburgh - Barbour Walkway	1990	115.0	$ 37,919	$ 11,629	$ 26,290	75	52	$ 69,608	8	5	1	5	5	16	Good	128	M	2065	52
01620		150 mm - PVC	Erin - Pioneer Drive Watermain	2010	330.0	$ 117,539	$ 4,702	$ 112,837	75	72	$ 127,530	10	5	5	5	5	20	Very Good	200	L	2085	72
00340		250 mm - PVC	Erin - 17th Sideroad [Erin Well #7 to Shamrock Rd]	1986	896.0	$ 302,886	$ 109,039	$ 193,847	75	48	$ 660,107	8	5	1	5	5	16	Good	128	M	2061	48
00345		250 mm - PVC	Erin - 17th Sideroad [Erin Well #7 to the 8th line]	2002	520.0	$ 175,782	$ 25,781	$ 150,000	75	64	$ 492,404	9	5	1	5	5	16	Very Good	144	M	2077	64
01115		200 mm - PVC	Erin - (Eighth Line) [Erin Heights Dr to 120m to the North]	1993	120.0	$ 28,090	$ 7,491	$ 20,600	75	55	$ 124,978	9	5	1	5	4	15	Very Good	135	M	2068	55
01120		200 mm - PVC	Erin - (Eighth Line) [Well #8 to 120m north of Erin Heights Dr]	1993	500.0	$ 117,044	$ 31,212	$ 85,832	75	55	$ 167,692	9	5	1	5	4	15	Very Good	135	M	2068	55
01122		250 mm - PVC	Erin - (Eighth Line) [Well #8 to 17 Side Road]	2002	355.0	$ 83,101	$ 12,188	$ 70,913	75	64	$ 142,380	9	5	1	5	4	15	Very Good	135	M	2077	64
01190		150 mm - PVC	Erin - Dianne Rd.	1996	208.0	$ 95,831	$ 21,722	$ 74,110	75	58	$ 188,351	8	5	5	5	5	20	Good	160	L	2071	58
CR102		250 mm - PVC	Erin - County Rd 52. [CR 124 to CR 52 to Belfountain]	2000	450.0	$ -	$ -	$ -	75	62	$ 331,529	9	5	1	1	5	12	Very Good	108	M	2075	62
CR102		150 mm - PVC	Erin - County Rd 52. [Diane to Kenneth. Note - Double main at this location]	1996	113.0	$ -	$ -	$ -	75	58	$ 69,103	8	5	1	5	5	16	Good	128	M	2071	58
01195		250 mm - PVC	Erin - 9th Line [South of County Rd 52]	2005	258.0	$ -	$ -	$ -	75	67	$ 190,076	9	5	1	5	5	16	Very Good	144	M	2080	67
CR103		250 mm - PVC	County Rd 124 Main St to Dearmbro Dr.	2000	613.0	$ -	$ -	$ -	75	62	$ 451,615	9	5	1	5	5	16	Very Good	144	M	2075	62
CR103		150 mm - PVC	County Rd 124 Delarmbro Dr to 9532 County Rd 124	2000	298.0	$ -	$ -	$ -	75	62	$ 182,236	9	1	1	5	5	12	Very Good	108	M	2075	62
CR103		150 mm - PVC	County Rd 124 [8th Line to County Yard at 9506 CR 124]	2010	137.0	$ -	$ -	$ -	75	72	$ 83,780	10	1	1	5	5	12	Very Good	120	M	2085	72
CR106		150 mm - PVC	Off line Bel-Erin Pumphouse Feed from McCollough Dr along CR 52	1990	240.0	$ -	$ -	$ -	75	52	$ 146,767	8	5	1	5	4	15	Good	120	M	2065	52
01522		250 mm - PVC	Erin - Delambro Dr. [County Rd 124 to 116 Delarmbro Dr]	2000	335.0	$ 163,738	$ 28,381	$ 135,357	75	62	$ 392,172	8	5	5	5	5	20	Good	160	L	2075	62
01522		250 mm - PVC	Erin - Delambro Dr. [County Rd 124 to 116 Delarmbro Dr]	2005	775.0	$ 357,064	$ 38,087	$ 318,977	75	67	$ 273,354	9	5	5	5	5	20	Very Good	180	L	2080	67
01523		200 mm - PVC	Erin - Forest Ridge Rd.	2005	180.0	$ 85,815	$ 9,154	$ 76,662	75	67	$ 84,479	9	5	5	5	5	20	Very Good	180	L	2080	67
01105		150 mm - PVC	Erin - Eighth Line [Beween Cr 124 and Delarmbro Dr]	2010	162.0	$ -	$ -	$ -	75	72	$ 99,068	10	5	1	5	5	16	Very Good	160	L	2085	72
01541		150 mm - PVC	Erin - Kenneth Ave	1996	288.0	$ 132,689	$ 30,076	$ 102,613	75	58	$ 181,319	8	5	5	5	5	20	Good	160	L	2071	58
01545		250 mm - PVC	Erin - Armstrong St. [9th Line to 10 Armstrong St]	2005	278.0	$ 135,878	$ 14,494	$ 121,385	75	67	$ 545,278	9	5	5	5	5	20	Very Good	180	L	2080	67
01547		250 mm - PVC	Erin - Armstrong St. [10 Armstrong St to the 9th Line]	2005	550.0	$ -	$ -	$ -	75	67	$ 405,202	9	5	5	5	5	20	Very Good	180	L	2080	67
01550		150 mm - PVC	Erin - Treelong Cres.	2005	464.0	$ 213,777	$ 22,803	$ 190,974	75	67	$ 279,775	9	5	5	5	5	20	Very Good	180	L	2080	67
01555		150 mm - PVC	Erin - Leenders Lane	2005	582.0	$ 268,143	$ 28,602	$ 239,541	75	67	$ 338,176	9	5	5	5	5	20	Very Good	180	L	2080	67
01630		150 mm - PVC	Erin - McCullough Dr.	1990	596.0	$ 274,593	$ 84,209	$ 190,385	75	52	$ 364,472	8	5	5	5	5	20	Good	160	L	2065	52
01640		150 mm - PVC	Erin - Aspen Crt. [To last Hydrant]	1990	245.0	$ 112,878	$ 34,616	$ 78,262	75	52	$ 132,702	8	5	5	5	5	20	Good	160	L	2065	52
01640		50 mm - Copper	Erin - Aspen Crt. [2" Copper loop around cul de sac]	1990	90.0	$ 41,465	$ 12,716	$ 28,749	75	52	$ 85,308	6	5	5	5	5	20	Average	120	M	2065	52
02300		100 mm - Cast iron	Erin - Charles St.	1965	135.0	$ 30,540	$ 29,318	$ 1,222	50	2	$ 59,373	3	1	5	5	5	16	Poor	48	E	2016	3
02300		100 mm - PE?	Erin - Charles St. [River Crossing]	1965	30.0	$ -	$ -	$ -	50	2	$ 13,194	7	1	5	1	5	12	Good	84	H	2016	3
02400		150 mm - Cast iron	Erin - Church St. W	1960	163.0	$ 9,392	$ 9,393	$ (0)	50	0	$ 99,679	2	5	5	5	5	20	Very Poor	40	E	2017	4
02450		100 mm - Cast iron	Erin - Church Blvd. [Church St W to Hulls Dam]	1965	40.0	$ 2,305	$ 2,213	$ 92	50	2	$ 17,592	3	1	5	5	5	16	Poor	48	E	2017	4
02500		100 mm - Cast iron	Erin - Church Blvd. [Hulls Dam to end]	1965	158.0	$ 9,104	$ 8,740	$ 364	50	2	$ 69,488	3	1	5	5	5	16	Poor	48	E	2017	4
NR101		100 mm - PVC	Erin - Church Blvd. / Center St Link	1980	113.0	$ -	$ -	$ -	50	17	$ 49,697	7	1	5	5	5	16	Good	112	M	2030	17
02600		150 mm - Cast iron	Erin - Centre St.	1965	185.0	$ 10,660	$ 10,234	$ 426	50	2	$ 113,633	3	5	5	5	5	20	Poor	60	H	2024	11
03000		150 mm - PVC	Erin - Carberry St. [Dundas St W to Sunnyside Dr]	1985	225.0	$ 50,899	$ 19,002	$ 31,897	75	47	$ 147,379	8	5	5	5	5	20	Good	160	L	2060	47
03010		100 mm - PVC	Erin - Carberry St. [Sunny Side Dr to end]	1985	73.0	$ 16,514	$ 9,248	$ 7,266	50	22	$ 32,105	8	1	5	5	5	16	Good	128	M	2035	22
03100		100 mm - Cast iron	Erin - Sunnyside Dr. [Main St to 21 Sunnyside Dr]	1965	200.0	$ 11,524	$ 11,064	$ 461	50	2	$ 87,960	3	1	5	5	5	16	Poor	48	E	2017	4
03100		100 mm - PVC	Erin - Sunnyside Dr. [21 Sunnyside Dr to Carberry Rd]	1985	45.0	$ 10,180	$ 3,800	$ 6,379	75	47	$ 20,792	8	1	5	5	5	16	Good	128	M	2060	47
04000		200 mm - Ductile Iron	Erin - Erin Heights Dr.	1975	820.0	$ 108,363	$ 82,356	$ 26,007	50	12	$ 323,994	5	5	5	5	5	20	Average	100	H	2033	20
04100		200 mm - Ductile Iron	Erin - Wesley Cresc.	1975	300.0	$ 39,645	$ 30,130	$ 9,515	50	12	$ 192,371	5	5	5	5	5	20	Average	100	H	2033	20
04200		150 mm - Ductile Iron	Erin - William Rex Cresc.	1975	460.0	$ 58,746	$ 44,647	$ 14,099	50	12	$ 268,462	5	5	5	5	5	20	Average	100	H	2026	13
04300		150 mm - Ductile Iron	Erin - Delerin Cresc.	1975	460.0	$ 58,746	$ 44,647	$ 14,099	50	12	$ 269,685	5	5	5	5	5	20	Average	100	H	2027	14
NR102		250 mm - Cast Iron	Tower Feed Line	1969	211.0	$ -	$ -	$ -	50	6	$ 155,450	3	5	1	5	4	15	Poor	45	E	2021	8
02200		3 - 1" Services	2 to 12 William St	1990	100.0	$ -	$ -	$ -	75	52	$ 20,000		5	5	5	5	20	Very Poor	0	E	2023	10
02100		2" to first house the 1"		1965	70.0	$ -	$ -	$ -	50	2	$ 5,000		5	5	5	5	20	Very Poor	0	E	2019	6
05000		150 mm - PVC	Erin - Lions Park Av. [Main St to Hillview St]	1982	87.0	$ 34,444	$ 21,355	$ 13,089	50	19	$ 59,930	7	5	5	5	5	20	Good	140	M	2032	19
05010		150 mm - PVC	Erin - Lions Park Av.[Hillview to dead end]	1982	160.0	$ 36,195	$ 22,441	$ 13,754	50	19	$ 136,065	7	5	5	5	5	20	Good	140	M	2032	19
05200		150 mm - Cast iron	Erin - Water St.	1960	280.0	$ 16,134	$ 16,134	$ (0)	50	0	$ 171,228	2	5	5	5	5	20	Very Poor	40	E	2021	8
05300		150 mm - Cast iron	Erin - Millwood Rd. [Main St to Woolen Mill Lane]	1960	185.0	$ -	$ -	$ -	50	0	$ 113,133	2	5	5	1	5	16	Very Poor	32	E	2021	8
05400		50 mm - Copper	Erin - Woolen Mill Lane	1970	75.0	$ -	$ -	$ -	75	32	$ 24,375	5	1	5	5	5	16	Average	80	H	2045	32
05500		150 mm - PVC	Erin - Millwood Rd. [Woolen Mill Lane to Waterford Dr]	1968	262.0	$ 120,711	$ 72,426	$ 48,284	75	30	$ 246,141	7	5	5	5	5	20	Good	140	M	2043	30
05600		150 mm - Cast iron	Erin - Waterford Dr. [Millwood Rd to 71 Waterford Dr]	1975	200.0	$ 11,524	$ 8,759	$ 2,766	50	12	$ 122,306	3	5	5	5	5	20	Poor	60	H	2031	18
05610		150 mm - Cast iron	Erin - Waterford Dr. [71 to 75 Waterford Dr]	1975	50.0	$ 2,881	$ 2,190	$ 692	50	12	$ 30,577	3	5	5	5	5	20	Poor	60	H	2031	18
05610		150 mm - PVC	Erin - Waterford Dr. [75 to 37 Waterford Dr]	1995	340.0	$ 19,591	$ 7,053	$ 12,538	50	32	$ 89,283	8	5	5	5	5	20	Good	160	L	2045	32
05620		150 mm - Cast iron	Erin - Waterford Dr. [37 Waterford Dr to Main St]	1968	300.0	$ 17,286	$ 15,558	$ 1,729	50	5	$ 183,459	3	5	5	5	5	20	Poor	60	H	2023	10
06010		150 mm - PVC	Erin - Church St. E. [Daniel St to Wheelock St]	1985	114.0	$ 25,789	$ 9,628	$ 16,161	75	47	$ 71,855	8	5	5	5	5	20	Good	160	L	2060	47
06100		200 mm - Cast iron	Erin - Spring St. [Main St to Daniel St]	1955	125.0	$ 5,491	$ 5,491	$ 0	50	0	$ 79,100	2	5	5	5	5	20	Very Poor	40	E	2019	6
06110		150 mm - PVC	Erin - Spring St. [Daniel St to deadend]	1993	85.0	$ -	$ -	$ -	75	55	$ 51,980	8	5	5	5	5	20	Good	160	L	2068	55
06200		100 mm - PVC	Erin - Scotch St. [Main St to Daniel St]	1985	125.0	$ 28,277	$ 10,557	$ 17,721	75	47	$ 77,359	8	5	5	5	5	20	Good	160	L	2060	47

Section Number	Asset Number	Item Description	Name of Street	Year Built	Length (m)	Historical Cost Dec. 31, 2013	Accumulated Amortization Dec. 31, 2012	Net Book Value Dec. 31, 2012	Useful Life	Remaining Useful Life	Replacement Cost (2013$) Triton	Probability of Failure	Consequence of Failure					Asset Condition	Total Risk of Failure	Risk of Failure	Scenario 2	
												Condition Rating	Hydraulic Capacity	Trunk vs. Local	River Crossing	Serviced Land Use	Total Consequence of Failure				Revised Replacement Year	Revised Remaining Useful Life
06210		150 mm - Cast iron	Erin - Scotch St. [Daniel St to Wheelock St]	1975	118.0	$ 15,070	$ 11,453	$ 3,617	50	12	$ 72,161	3	5	5	5	5	20	Poor	60	H	2031	18
06220		150 mm - Cast iron	Erin - Scotch St. [Wheelock St to Cross St]	1975	306.0	$ 39,079	$ 29,700	$ 9,379	50	12	$ 187,128	3	5	5	5	5	20	Poor	60	H	2031	18
06230		150 mm - Cast iron	Erin - Scotch St./Erinlea Cr to Erinlea Cr through small parket.	1985	83.0	$ 10,600	$ 5,936	$ 4,664	50	22	$ 50,757	4	5	5	5	5	20	Poor	80	H	2035	22
06300		150 mm - Cast iron	Erin - English St.	1955	132.0	$ 7,606	$ 7,606	$ 0	50	0	$ 80,722	2	5	5	5	5	20	Very Poor	40	E	2019	6
06400		150 mm - Cast iron	Erin - Wheelock St #180 to #184	1975	100.0	$ 12,771	$ 9,706	$ 3,065	50	12	$ 61,153	3	5	5	5	5	20	Poor	60	H	2028	15
06420		150 mm - PVC	Erin - Wheelock St #142 to #148	1985	78.0	$ 17,645	$ 6,588	$ 11,058	75	47	$ 73,384	8	5	5	5	5	20	Good	160	L	2060	47
06500		150 mm - Cast iron	Erin - Erindale Dr. [Wheelock St to 45 Erindale Dr]	1975	314.0	$ 40,100	$ 30,476	$ 9,624	50	12	$ 192,020	3	5	5	5	5	20	Poor	60	H	2028	15
06510		150 mm - PVC	Erin - Erindale Dr. [Erindale Dr to Dundas St East]	1985	175.0	$ 22,349	$ 12,515	$ 9,834	50	22	$ 136,677	8	5	5	5	5	20	Good	160	L	2035	22
06600		150 mm - Cast iron	Erin - Cross St.	1975	94.0	$ 12,005	$ 9,123	$ 2,881	50	12	$ 57,484	3	5	5	5	5	20	Poor	60	H	2029	16
06700		150 mm - Cast iron	Erin - Erinlea Cresc. [Scotch St to 3 Erinlea Cr]	1975	65.0	$ 8,301	$ 6,309	$ 1,992	50	12	$ 100,903	3	5	5	5	5	20	Poor	60	H	2029	16
06710		150 mm - PVC	Erin - Erinlea Cresc. [3 Erinlea Cr to Dundas St W]	1985	516.0	$ 65,898	$ 36,903	$ 28,995	50	22	$ 233,605	8	5	5	5	5	20	Good	160	L	2035	22
06800		150 mm - Cast iron	Erin - Tomwell Cresc.	1975	280.0	$ 35,758	$ 27,176	$ 8,582	50	12	$ 171,228	3	5	5	5	5	20	Poor	60	H	2030	17
07000		150 mm - Cast iron	Erin - Pine St. [Main St to Daniel St]	1965	126.0	$ 7,260	$ 6,970	$ 290	50	2	$ 77,053	3	5	5	5	5	20	Poor	60	H	2029	16
07010		150 mm - Ductile Iron	Erin - Pine St. [Daniel St to May St	1985	113.0	$ 25,563	$ 14,315	$ 11,248	50	22	$ 67,268	6	5	5	5	5	20	Average	120	M	2035	22
07200		150 mm - Cast iron	Erin - Ross St.	1965	115.0	$ 6,626	$ 6,361	$ 265	50	2	$ 70,326	3	5	5	5	5	20	Poor	60	H	2029	16
NR102		100 mm - PVC	Erin - Lorne St. [Un-opened]	1990	115.0	$ -	$ -	$ -	75	52	$ 50,577	8	5	5	5	5	20	Good	160	L	2065	52
07300		150 mm - Ductile Iron	Erin - May St.	1985	115.0	$ 26,015	$ 14,568	$ 11,447	50	22	$ 63,599	6	5	5	5	5	20	Average	120	M	2035	22
07400		150 mm - Ductile Iron	Erin - Boland Dr.	1975	126.0	$ 16,091	$ 12,230	$ 3,862	50	12	$ 99,068	5	5	5	5	5	20	Average	100	H	2027	14
07500		200 mm - PVC	Erin - Erinville Dr. [Main St to Tompson Cr]	1985	170.0	$ 39,795	$ 14,857	$ 24,938	75	47	$ 122,763	8	5	1	5	4	15	Good	120	M	2060	47
07510		200 mm - PVC	Erin - Erinville Dr. [Tompson Ct to Erin Park Dr]	1990	387.0	$ 90,592	$ 27,781	$ 62,810	75	52	$ 259,448	8	5	1	5	4	15	Good	120	M	2065	52
07520		200 mm - PVC	Erin - Thompson Cresc.	1985	732.0	$ 171,352	$ 63,971	$ 107,381	75	47	$ 463,210	8	5	5	5	4	19	Good	152	L	2060	47
07540		150 mm - PVC	Erin - Erin Park Dr. [Tompson Cr to driveway to 2 Erin Park Dr]	1985	97.0	$ 21,943	$ 8,192	$ 13,751	75	47	$ 96,928	8	1	1	5	4	11	Good	88	H	2060	47
07540		200 mm - PVC	Erin - Erin Park Dr. [Erinville Dr to Tompson Cr]	1990	348.0	$ 81,462	$ 24,982	$ 56,480	75	52	$ 224,328	8	5	1	5	4	15	Good	120	M	2065	52
07540		150 mm - PVC	Erin - Erin Park Dr. [Erinville Dr to dead end]	1990	172.0	$ 40,263	$ 12,347	$ 27,916	75	52	$ 224,328	8	5	1	5	5	16	Good	128	M	2065	52
10000		200 mm - PVC	Erin - Dundas St. W. [Credit River to Erin Heights Dr]	1975	300.0	$ 39,645	$ 30,130	$ 9,515	50	12	$ 278,116	7	5	1	5	5	16	Good	112	M	2025	12
NR101		200 mm - PE	Erin - Dundas St W River Crossing	1975	95.0	$ -	$ -	$ -	50	12	$ 60,116	7	5	1	1	5	12	Good	84	H	2027	14
11000		250 mm - PVC	Erin - Dundas St. W. [Credit River to Main St]	1989	383.0	$ 91,916	$ 29,413	$ 62,503	75	51	$ 205,655	8	5	1	5	5	16	Good	128	M	2064	51
12000		200 mm - Cast iron	Erin - Dundas St. E. [Main St to Daniel St]	1955	123.0	$ 16,255	$ 16,255	$ 0	50	0	$ 77,834	2	5	1	5	5	16	Very Poor	32	E	2022	9
13000		200 mm - Cast iron	Erin - Dundas St. E. [Daniel St to west drive of 12 Dundas St W]	1955	67.0	$ 3,861	$ 3,861	$ 0	50	0	$ 42,398	2	5	1	5	5	16	Very Poor	32	E	2022	9
13000		150 mm - Cast iron	Erin - Dundas St. E. [Between East &West Drivways of 12 Dundas St W]	1975	55.0	$ 3,169	$ 2,408	$ 761	50	12	$ 33,634	3	1	1	5	5	12	Poor	36	E	2020	7
13000		150 mm - Cast iron	Erin - Dundas St. E.[East Driveway to 12 Dundas to Tonwell Cr]	1975	235.0	$ 13,541	$ 10,291	$ 3,250	50	12	$ 143,710	3	1	1	5	5	12	Poor	36	E	2020	7
13000		150 mm - PVC	Erin - Dundas St. E. [Tomwell Cr to Erinlea Cr]	1985	153.0	$ 9,123	$ 5,109	$ 4,014	50	22	$ 40,816	8	1	1	5	5	12	Good	96	H	2035	22
14900		150 mm - Cast iron	Erin - Daniel St. [Ross St to Pine St]	1965	178.0	$ 10,257	$ 9,846	$ 410	50	2	$ 108,852	3	5	5	5	5	20	Poor	60	H	2026	13
15000		150 mm - Cast iron	Erin - Daniel St. [Pine St to Dundas St E]	1965	290.0	$ 16,710	$ 16,042	$ 669	50	2	$ 177,344	3	5	5	5	5	20	Poor	60	H	2028	15
16000		200 mm - Cast iron	Erin - Daniel St. [Dundas St E to Scotch St]	1955	365.0	$ 21,763	$ 21,764	$ (0)	50	0	$ 230,972	2	5	5	5	5	20	Very Poor	40	E	2016	3
17000		200 mm - Cast iron	Erin - Daniel St. [Scotch St to Spring St]	1955	120.0	$ 6,915	$ 6,915	$ 0	50	0	$ 75,936	2	5	5	5	5	20	Very Poor	40	E	2017	4
17000		150 mm - Cast iron	Erin - Daniel St. [Spring St to 139 Daniel St]	1965	255.0	$ 15,205	$ 14,596	$ 608	50	2	$ 155,940	3	5	5	5	5	20	Poor	60	H	2022	9
NR102		150 mm - PVC	Erin - Daniel St./Wheelock Well 6 Connection	1985	165.0	$ 37,326	$ 13,935	$ 23,391	75	47	$ 126,587	8	5	1	5	5	16	Good	128	M	2060	47
CR104		300 mm - PVC	Erin - Main St. Guelph Rd to Hill St	2002	167.0	$ 70,140	$ 10,287	$ 59,853	75	64	$ 108,342	9	5	1	5	4	15	Very Good	135	M	2077	64
CR104		250 mm - PVC	Erin - Main St. Hill St to Center St	1990	792.0	$ -	$ -	$ -	75	52	$ 583,490	8	5	1	1	4	11	Good	88	H	2030	17
CR104		250 mm - PVC	Erin - Main St. Center St to Rail Trail.	2002	1,020.0	$ -	$ -	$ -	75	64	$ 751,465	9	5	1	5	4	15	Very Good	135	M	2077	64
CR104		250 mm - PVC	Erin - Main St. Rail Trail to 17 Side Rd.	1986	662.0	$ -	$ -	$ -	75	48	$ 487,715	8	5	1	5	4	15	Good	120	M	2061	48
NR103		150 mm - PVC	Erin - Trailer Park Service on Rail Trail	1995	230.0	$ 73,289	$ 17,589	$ 55,699	75	57	$ 11,008	8	5	5	5	5	20	Good	160	L	2070	57

Notes:
1) The pipe length in this document taken from the County of Wellington GIS Mapping using local knowledge of were the pipe starts and stops.
2) Lengths are likely within 5 meters =/- accuracy. If more accurate lengths are needed a physical locate should be conducted or a survey completed.

Bilding	Component Category	Component Description	Year Acquired	Historical Cost	Accumulated Ammortization	Net Book Value	PSAB Useful Life	Projected Service Life	Remaining Useful Life	Estimated Age	Replacement Cost (Component)	Compon ent %	Total Replacement Cost	Probability of Failure: Age	HMC	FREQ.	STD Power	TOTAL	Consequence of Failure: Likelihood	Severity	TOTAL	Total Risk (High Risk = Low	Condition Rating (Numerical)	Asset Condition	Probability of Failure	Consequence of Failure	Risk of Failure	Scenario 2: Revised Replacement Year	Revised Remaining Useful Life
														5	5	5	5	20	10	5	15	300							
				$ 3,436,367	$ 2,134,587	$ 1,301,780							$ 10,510,681																
Water Hydro Building - Total			1990	$ 475,394	$ 273,351	$ 202,042	40	40	17	23			**$ 1,424,000**																
Water Hydro Building	Structure	Structure	1990					75	52	23	$ 1,263,300												3	Average	Possible	Moderate	M		
Water Hydro Building	Doors and Windows	Overhead Doors	1990					30	7	23	$ 26,800												1	Poor	Likely	Moderate	H	2020	7
Water Hydro Building	Doors and Windows	Hollow Metal Doors	1990					30	7	23	$ 15,000												1	Poor	Likely	Moderate	H	2020	7
Water Hydro Building	Doors and Windows	Solid Core Wood Doors	1990					35	12	23	$ 14,400												2	Average	Possible	Moderate	M	2025	12
Water Hydro Building	Exterior Cladding and Roofing	Metal Siding & Fascia	1990					50	27	23	$ 23,100												3	Average	Possible	Moderate	M	2040	27
Water Hydro Building	Exterior Cladding and Roofing	Metal Roofing	1990					35	12	23	$ 14,900												2	Average	Possible	Moderate	M	2025	12
Water Hydro Building	Interior Finishes	Steel Roof Liner in Garage	1990					50	27	23	$ 14,000												3	Average	Possible	Moderate	M	2040	27
Water Hydro Building	Mechanical/Electrical	Lighting	1990					30	7	23	$ 37,700												1	Poor	Likely	Moderate	H	2020	7
Water Hydro Building	Mechanical/Electrical	HVAC & Hot Water Tank	2010					20	17	3	$ 14,800												4	Good	Unlikely	Moderate	M	2030	17
Delerin Pressure Building			1987	$ 27,853	$ 18,104	$ 9,748	40	40	14	26	$ 62,808	100%	$ 62,808										2	Average	Possible	Moderate	M	2027	14
Water Tower	Process Equipment	William St, Erin	1990	$ 738,005	$ 424,353	$ 313,652	40	30	7	23	$ 180,000	10%	$ 1,800,000	4	3	5	5	17	5	1	6	102	4				H	2022	9
	Process Electrical	William St, Erin	1990					40	17	23	$ 36,000	2%		4	3	5	5	17	3	3	6	102	4				H	2030	17
	Process Instrumentation	William St, Erin	1990					20	0	23	$ 18,000	1%		4	3	5	5	17	3	3	6	102	4				H	2019	6
	Process Piping	William St, Erin	1990					50	27	23	$ 90,000	5%		4	3	5	5	17	5	1	6	102	4				H	2040	27
	Building & Process Structural	William St, Erin	1990					60	37	23	$ 1,458,000	81%		4	3	5	5	17	5	1	6	102	4				H		
	Building Architectural	William St, Erin	1990					20	0	23	$ -	0%		4	3	5	5	17	5	5	10	170	4				M	2017	4
	Building Services	William St, Erin	1990					20	0	23	$ 18,000	1%		4	3	5	5	17	5	5	10	170	4				M	2019	6
																												2017	4
Erin Well E4			1975	$ 33,315	$ 31,649	$ 1,666	40	40	2	38	$ 159,529	100%	$ 159,529															2023	10
																												2017	4
Erin Well E5 (Reservoir Only)	Process Equipment	2 Erinville Drive, Erin	1983	$ 54,615	$ 40,961	$ 13,654	40	30	0	30	$ 15,953	10%	$ 159,529															2020	7
	Process Electrical	2 Erinville Drive, Erin	1983					40	10	30	$ 3,191	2%		2	5	5	1	13	10	5	15	195	3				M	2023	10
	Process Instrumentation	2 Erinville Drive, Erin	1983					20	0	30	$ 1,595	1%		2	5	5	1	13	10	5	15	195	3				M	2020	7
	Process Piping	2 Erinville Drive, Erin	1983					50	20	30	$ 7,976	5%		2	5	5	1	13	10	5	15	195	3				M	2033	20
	Building & Process Structural	2 Erinville Drive, Erin	1983					60	30	30	$ 129,219	81%		2	5	5	1	13	10	5	15	195	3				M		
	Building Architectural	2 Erinville Drive, Erin	1983					20	0	30	$ -	0%		2	5	5	1	13	10	5	15	195	3				M	2020	7
	Building Services	2 Erinville Drive, Erin	1983					20	0	30	$ 1,595	1%		2	5	5	1	13	10	5	15	195	3				M	2020	7
																												2020	7
Erin Well E7	Process Equipment	9555 Sideroad 17, Erin	2004	$ 534,953	$ 361,093	$ 173,860	40	30	21	9	$ 136,132	10%	$ 1,361,319	4	5	3	3	15	5	3	8	120	4				H	2034	21
	Process Electrical	9555 Sideroad 17, Erin	2004					40	31	9	$ 27,226	2%		4	5	3	3	15	3	3	6	90	4				H	2044	31
	Process Instrumentation	9555 Sideroad 17, Erin	2004					20	11	9	$ 13,613	1%		4	5	3	3	15	3	5	8	120	4				H	2024	11
	Process Piping	9555 Sideroad 17, Erin	2004					50	41	9	$ 68,066	5%		4	5	3	3	15	5	3	8	120	4				H	2054	41
	Building & Process Structural	9555 Sideroad 17, Erin	2004					60	51	9	$ 1,102,669	81%		4	5	3	3	15	5	3	8	120	4				H		
	Building Architectural	9555 Sideroad 17, Erin	2004					20	11	9	$ -	0%		4	5	3	3	15	5	3	8	120	4				H	2024	11
	Building Services	9555 Sideroad 17, Erin	2004					20	11	9	$ 13,613	1%		4	5	3	3	15	5	3	8	120	4				H	2024	11
																												2013	0
Erin Well E8	Process Equipment	5555 Eight Line, Erin	1991	$ 669,291	$ 368,110	$ 301,181	40	30	8	22	$ 136,132	10%	$ 1,361,320	3	3	3	5	14	3	3	6	84	4				H	2021	8
	Process Electrical	5555 Eight Line, Erin	1991					40	18	22	$ 27,226	2%		3	3	3	5	14	3	3	6	84	4				H	2031	18
	Process Instrumentation	5555 Eight Line, Erin	1991					20	0	22	$ 13,613	1%		3	3	3	5	14	3	5	8	112	4				H	2017	4
	Process Piping	5555 Eight Line, Erin	1991					50	28	22	$ 68,066	5%		3	3	3	5	14	5	3	8	112	4				H	2041	28
	Building & Process Structural	5555 Eight Line, Erin	1991					60	38	22	$ 1,102,669	81%		3	3	5	5	16	3	3	6	96	4				H		
	Building Architectural	5555 Eight Line, Erin	1991					20	0	22	$ -	0%		3	3	5	5	16	3	3	6	96	4				H	2016	3
	Building Services	5555 Eight Line, Erin	1991					20	0	22	$ 13,613	1%		3	3	5	5	16	5	3	8	128	4				H	2016	3
																												2016	3
HB Well H1	Decommissioned	Water St, Hillsburgh	1969	$ 18,790	$ 18,790	$ -	40	40	0	44	$ 159,533	100%	$ 159,533									0						2016	3
																												2016	3
HB Well H2	Process Equipment	5929 Trafalgar Rd, Hillsburgh	1988	$ 640,689	$ 400,431	$ 240,258	40	30	5	25	$ 136,132	10%	$ 1,361,320	3	1	3	5	12	3	1	4	48	3				E	2018	5
	Process Electrical	5929 Trafalgar Rd, Hillsburgh	1988					40	15	25	$ 27,226	2%		3	3	5	5	16	3	3	6	96	4				H	2028	15
	Process Instrumentation	5929 Trafalgar Rd, Hillsburgh	1988					20	0	25	$ 13,613	1%		3	1	3	5	12	3	5	8	96	3				H	2015	2
	Process Piping	5929 Trafalgar Rd, Hillsburgh	1988					50	25	25	$ 68,066	5%		3	3	3	5	14	3	3	6	84	4				H	2038	25
	Building & Process Structural	5929 Trafalgar Rd, Hillsburgh	1988					60	35	25	$ 1,102,669	81%		3	5	5	5	18	5	3	8	144	5				H		
	Building Architectural	5929 Trafalgar Rd, Hillsburgh	1988					20	0	25	$ -	0%		3	5	5	5	18	5	3	8	144	5				H	2017	4
	Building Services	5929 Trafalgar Rd, Hillsburgh	1988					20	0	25	$ 13,613	1%		3	5	5	5	18	5	3	8	144	5				H	2017	4
HB Well H3	Process Equipment	Victoria Park, 10 Mill St, Hillsburgh	1969	$ 160,338	$ 160,338	$ -	40	30	0	44	$ 136,132	10%	$ 1,361,322	5	1	3	1	10	3	3	6	60	3				E	2017	4
	Process Electrical	Victoria Park, 10 Mill St, Hillsburgh	1969					40	0	44	$ 27,226	2%		5	3	5	1	14	3	3	6	84	4				H	2017	4
	Process Instrumentation	Victoria Park, 10 Mill St, Hillsburgh	1969					20	0	44	$ 13,613	1%		5	3	5	1	14	3	5	8	112	4				H	2017	4
	Process Piping	Victoria Park, 10 Mill St, Hillsburgh	1969					50	6	44	$ 68,066	5%		5	5	5	1	16	5	3	8	128	4				H	2019	6
	Building & Process Structural	Victoria Park, 10 Mill St, Hillsburgh	1969					60	16	44	$ 1,102,671	81%		2	5	5	1	13	3	3	6	78	3				H		
	Building Architectural	Victoria Park, 10 Mill St, Hillsburgh	1969					20	0	44	$ -	0%		2	5	5	1	13	3	3	6	78	3				H	2015	2
	Building Services	Victoria Park, 10 Mill St, Hillsburgh	1969					20	0	44	$ 13,613	1%		2	5	5	1	13	3	3	6	78	3				H	2015	2
																												2015	2
BelErin Well - Off-Line	Process Equipment	5403 Wellington Rd 52, Erin	1995	$ 83,125	$ 37,406	$ 45,719	40	30	12	18	$ 130,000	10%	$ 1,300,000	3	5	5	5	18	5	5	10	180	5				M	2025	12
	Process Electrical	5403 Wellington Rd 52, Erin	1995					40	22	18	$ 26,000	2%		3	5	5	5	18	5	5	10	180	5				M	2035	22
	Process Instrumentation	5403 Wellington Rd 52, Erin	1995					20	2	18	$ 13,000	1%		3	5	5	5	18	5	5	10	180	5				M	2015	2
	Process Piping	5403 Wellington Rd 52, Erin	1995					50	32	18	$ 65,000	5%		3	5	5	5	18	5	5	10	180	5				M	2045	32
	Building & Process Structural	5403 Wellington Rd 52, Erin	1995					60	42	18	$ 1,053,000	81%		3	5	5	5	18	5	5	10	180	5				M		
	Building Architectural	5403 Wellington Rd 52, Erin	1995					20	2	18	$ -	0%		3	5	5	5	18	5	5	10	180	5				M	2015	2
	Building Services	5403 Wellington Rd 52, Erin	1995					20	2	18	$ 13,000	1%		3	5	5	5	18	5	5	10	180	5				M	2015	2

Town of Erin
2013 Asset Management Plan
Facilities (Tax Supported)

Scenario 2

Bilding	Component Category	Component Description	Year Acquired	Historical Cost	Accumulated Ammortization	Net Book Value	Projected Service Life	Remaining Service Life	Estimated Age	Major Repair/ Replacement Cost	Total Replacement Cost	Condition Rating (Age Based)	Asset Condition	Probability of Failure	Consequence of Failure	Risk of Failure	Revised Replacement Year	Revised Remaining Useful Life
				$ 8,366,198	$ 4,474,543	$ 3,891,655				$ 28,685,300	$ 28,685,300							
Town Office - Total			**1994**	**$ 511,040**	**$ 242,744**	**$ 268,296**	**40**		**19**		**$ 3,041,677**							
Town Office - basement offices			**1999**	**$ 36,681**	**$ 12,838**	**$ 23,843**	**40**		**14**		**$ 218,323**							
Town Office	Structure	Structure	1994				75	56	19	$ 2,749,000		4	Good	Unlikely	Moderate	M	2069	56
Town Office	Doors and Windows	Vinyl Windows	1994				25	6	19	$ 58,200		1	Poor	Likely	Moderate	H	2019	6
Town Office	Doors and Windows	Entrance Doors and Rear Exit Doors Allowance	1994				35	16	19	$ 10,000		2	Average	Possible	Moderate	M	2029	16
Town Office	Exterior Cladding and Roofing	Sloped Roofing - Shingles	1994				20	1	19	$ 22,000		0	Very Poor	Almost Certain	Moderate	H	2014	1
Town Office	Interior Finishes	Vinyl Tile Composite Flooring	1996				30	13	17	$ 16,300		2	Average	Possible	Moderate	M	2026	13
Town Office	Interior Finishes	Carpet	1996				20	3	17	$ 32,400		1	Poor	Likely	Moderate	H	2016	3
Town Office	Interior Finishes	Paint	1996				10	0	17	$ 16,000		0	Very Poor	Almost Certain	Moderate	H	2013	0
Town Office	Interior Finishes	Hollow Core Wood Doors & Sidelites	1996				35	18	17	$ 41,600		3	Average	Possible	Moderate	M	2031	18
Town Office	Interior Finishes	Millwork Allowance	1996				30	13	17	$ 86,400		2	Average	Possible	Moderate	M	2026	13
Town Office	Mechanical/Electrical	Plumbing Fixtures Allowance	1996				30	13	17	$ 10,000		2	Average	Possible	Moderate	M	2026	13
Town Office	Mechanical/Electrical	Emergency Generator Set	2010				25	22	3	$ 94,000		4	Good	Unlikely	Moderate	M	2035	22
Town Office	Mechanical/Electrical	Interior Lighting Allowance	1996				30	13	17	$ 94,100		2	Average	Possible	Moderate	M	2026	13
Town Office	Mechanical/Electrical	HVAC & Hot Water Tank	1994				20	1	19	$ 30,000		0	Very Poor	Almost Certain	Moderate	H	2014	1
Roads Equipment Depot - Total			**1992**	**$ 434,518**	**$ 228,122**	**$ 206,396**	**40**	**19**	**21**		**$ 2,387,000**							
Roads Equipment Depot	Structure	Structure	1973				75	35	40	$ 2,049,400		2	Average	Possible	Moderate	M	2048	35
Roads Equipment Depot	Doors and Windows	Insulated Overhead Doors	2007				20	14	6	$ 53,700		4	Good	Unlikely	Moderate	M	2027	14
Roads Equipment Depot	Doors and Windows	Windows	1973				30	0	40	$ 19,600		0	Very Poor	Almost Certain	Moderate	H	2013	0
Roads Equipment Depot	Exterior Cladding and Roofing	Metal Siding	1992				50	29	21	$ 32,200		3	Average	Possible	Moderate	M	2042	29
Roads Equipment Depot	Exterior Cladding and Roofing	Flat Roofing (4-Ply BUR)	1973				41	1	40	$ 93,500		0	Very Poor	Almost Certain	Moderate	H	2014	1
Roads Equipment Depot	Interior Finishes	Metal Roof/Wall Liner	1973				55	15	40	$ 43,000		1	Poor	Likely	Moderate	H	2028	15
Roads Equipment Depot	Mechanical/Electrical	HVAC	1973				18	0	40	$ 40,000		0	Very Poor	Almost Certain	Moderate	H	2013	0
Roads Equipment Depot	Mechanical/Electrical	Lighting	1973				30	0	40	$ 55,600		0	Very Poor	Almost Certain	Moderate	H	2013	0
Hillsburgh Community Centre - Total			**1975**	**$ 716,418**	**$ 680,597**	**$ 35,821**	**40**	**2**	**38**		**$ 3,326,939**							
HCC - betterments			**2000**	**$ 198,865**	**$ 129,262**	**$ 69,603**	**20**	**7**	**13**		**$ 923,500**							
HCC - betterments			**2001**	**$ 294,093**	**$ 176,456**	**$ 117,637**	**20**	**8**	**12**		**$ 1,365,725**							
HCC - betterments			**2002**	**$ 23,266**	**$ 12,796**	**$ 10,470**	**20**	**9**	**11**		**$ 108,044**							
HCC - Roof Replacement (Betterment)			**2010**	**$ 33,990**	**$ 5,099**	**$ 28,892**	**20**	**17**	**3**		**$ 157,845**							
HCC - Lobby & Dressing Room flooring Replacement (Betterment)			**2011**	**$ 25,399**	**$ 2,540**	**$ 22,859**	**20**	**18**	**2**		**$ 117,948**							
Hillsburgh Community Centre	Structure	Structure	1974				100	61	39	$ 4,646,100		3	Average	Possible	Minor	M	2074	61
Hillsburgh Community Centre	Doors and Windows	Overhead Doors	1975				40	2	38	$ 10,000		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Doors and Windows	Hollow Metal Doors	1975				40	2	38	$ 15,000		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Doors and Windows	Aluminum Doors	1991				40	18	22	$ 14,700		2	Average	Possible	Minor	M	2031	18
Hillsburgh Community Centre	Exterior Cladding and Roofing	Metal Siding	1975				50	12	38	$ 52,000		1	Poor	Likely	Minor	M	2025	12
Hillsburgh Community Centre	Exterior Cladding and Roofing	Metal Roofing	2008				32	27	5	$ 35,500		4	Good	Unlikely	Minor	M	2040	27
Hillsburgh Community Centre	Exterior Cladding and Roofing	Flat Roofing (3-Ply BUR)	2010				35	32	3	$ 42,000		5	Very Good	Rare	Minor	L	2045	32
Hillsburgh Community Centre	Interior Works	Ice Rink Floor	2000				25	12	13	$ 217,000		2	Average	Possible	Minor	M	2025	12
Hillsburgh Community Centre	Interior Works	Hockey Boards	2007				32	26	6	$ 150,000		4	Good	Unlikely	Minor	M	2039	26
Hillsburgh Community Centre	Interior Works	Dressing Room Floor - Rubber Flooring	2011				25	23	2	$ 25,000		5	Very Good	Rare	Minor	L	2036	23
Hillsburgh Community Centre	Interior Works	Lobby Floor - Rubber Flooring	2002				25	14	11	$ 30,900		3	Average	Possible	Minor	M	2027	14
Hillsburgh Community Centre	Interior Works	Second Floor Hall - Vinyl Tile Flooring	1975				40	2	38	$ 25,700		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Interior Works	Millwork Allowance - Second Floor and Concessions	1975				40	2	38	$ 10,000		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Interior Works	Paint	1974				40	1	39	$ 10,000		0	Very Poor	Almost Certain	Minor	H	2014	1
Hillsburgh Community Centre	Interior Works	Second Floor Hall - Suspended Tile Ceiling	1975				40	2	38	$ 15,400		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Mechanical/Electrical	Lighting	1986				33	6	27	$ 125,000		1	Poor	Likely	Minor	M	2019	6
Hillsburgh Community Centre	Mechanical/Electrical	Fire Alarm/Life Safety Systems/Emergency & Exit Lighting	1975				40	2	38	$ 40,000		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Mechanical/Electrical	Plumbing Fixtures Allowance	1975				40	2	38	$ 10,000		0	Very Poor	Almost Certain	Minor	H	2015	2
Hillsburgh Community Centre	Mechanical/Electrical	HVAC	1975				18	0	38	$ 118,600		0	Very Poor	Almost Certain	Minor	H	2013	0
Hillsburgh Community Centre	Mechanical/Electrical	Refrigeration Plant	2002				25	14	11	$ 407,100		3	Average	Possible	Minor	M	2027	14
Centre 2000 - Total			**1975**	**$ 1,621,781**	**$ 1,540,692**	**$ 81,089**	**40**	**2**	**38**		**$ 3,340,722**							
Centre 2000 - Expansion			**2000**	**$ 2,163,342**	**$ 703,086**	**$ 1,460,256**	**40**	**27**	**13**		**$ 4,456,289**							
Centre 2000 - Arena expansion project			**2011**	**$ 1,215,097**	**$ 60,755**	**$ 1,154,342**	**40**	**38**	**2**		**$ 2,502,990**							
Centre 2000	Structure	Structure	1977				100	64	36	$ 8,515,250		3	Average	Possible	Minor	M	2077	64
Centre 2000	Doors and Windows	Hollow Metal Doors - 1977	1977				40	4	36	$ 75,000		1	Poor	Likely	Minor	M	2017	4
Centre 2000	Doors and Windows	Hollow Metal Doors - 2000	2002				40	29	11	$ 88,750		4	Good	Unlikely	Minor	M	2042	29
Centre 2000	Doors and Windows	Hollow Metal Doors - 2010 Addition	2010				40	37	3	$ 52,500		5	Very Good	Rare	Minor	L	2050	37
Centre 2000	Doors and Windows	Aluminum Doors	1992				40	19	21	$ 24,500		2	Average	Possible	Minor	M	2032	19
Centre 2000	Exterior Cladding and Roofing	Metal Siding	1977				50	14	36	$ 52,000		1	Poor	Likely	Minor	M	2027	14
Centre 2000	Exterior Cladding and Roofing	Metal Roofing - Arena	1977				40	4	36	$ 35,500		1	Poor	Likely	Minor	M	2017	4
Centre 2000	Exterior Cladding and Roofing	Flat Roofing (Ballasted EPDM) - 2010 Addition	2010				25	22	3	$ 15,300		4	Good	Unlikely	Minor	M	2035	22
Centre 2000	Exterior Cladding and Roofing	Flat Roofing (BUR) - Original Community Centre	1977				39	3	36	$ 50,000		0	Very Poor	Almost Certain	Minor	H	2016	3
Centre 2000	Exterior Cladding and Roofing	Flat Roofing (BUR) - Multi-Use Facility	2002				40	29	11	$ 50,000		4	Good	Unlikely	Minor	M	2042	29
Centre 2000	Interior Works	Ice Rink Floor	2002				25	14	11	$ 217,000		3	Average	Possible	Minor	M	2027	14
Centre 2000	Interior Works	Hockey Boards	2002				25	14	11	$ 150,000		3	Average	Possible	Minor	M	2027	14
Centre 2000	Interior Works	Rubber Flooring	2010				25	22	3	$ 35,200		4	Good	Unlikely	Minor	M	2035	22
Centre 2000	Interior Works	Paint- Original Community Centre	1992				30	9	21	$ 10,000		2	Average	Possible	Minor	M	2022	9
Centre 2000	Interior Works	Zamboni Room and Shower Flooring - Stonhard	2012				35	34	1	$ 35,000		5	Very Good	Rare	Minor	L	2047	34
Centre 2000	Interior Works	Millwork Allowance	1992				30	9	21	$ 10,000		2	Average	Possible	Minor	M	2022	9
Centre 2000	Interior Works	Carpet - Shamrock Room	1992				40	19	21	$ 10,000		2	Average	Possible	Minor	M	2032	19
Centre 2000	Interior Works	Vinyl Tile Flooring - Original Community Centre	1992				40	19	21	$ 26,700		2	Average	Possible	Minor	M	2032	19
Centre 2000	Interior Works	Shamrock Room - Suspended Tile Ceiling	1992				40	19	21	$ 30,800		2	Average	Possible	Minor	M	2032	19
Centre 2000	Mechanical/Electrical	Handicapped Elevator	1992				30	9	21	$ 115,800		2	Average	Possible	Minor	M	2022	9
Centre 2000	Mechanical/Electrical	Fire Alarm/Life Safety Systems/Emergency & Exit Lighting	1977				40	4	36	$ 40,000		1	Poor	Likely	Minor	M	2017	4
Centre 2000	Mechanical/Electrical	Plumbing Fixtures Allowance	1977				40	4	36	$ 10,000		1	Poor	Likely	Minor	M	2017	4
Centre 2000	Mechanical/Electrical	HVAC	1977				19	0	36	$ 118,600		0	Very Poor	Almost Certain	Minor	H	2013	0
Centre 2000	Mechanical/Electrical	Lighting	1977				40	4	36	$ 125,000		1	Poor	Likely	Minor	M	2017	4
Centre 2000	Mechanical/Electrical	Refrigeration Plant	2002				25	14	11	$ 407,100		3	Average	Possible	Minor	M	2027	14
Erin Fire Hall - Total			**1985**	**$ 287,884**	**$ 201,519**	**$ 86,365**	**40**	**12**	**28**		**$ 3,000,000**							
Erin Fire Hall	Structure	Structure	1985				50	22	28	$ 2,771,450		2	Average	Possible	Major	H	2035	22
Erin Fire Hall	Doors and Windows	Overhead Doors	1985				34	6	28	$ 26,850		1	Poor	Likely	Major	H	2019	6
Erin Fire Hall	Doors and Windows	Exterior Entrance/Exit Doors and Windows	1985				35	7	28	$ 12,000		1	Poor	Likely	Major	H	2020	7

Town of Erin
2013 Asset Management Plan
Roads

					Road Base			Road Surface			State of the Infrastructure for Roads Report - 4 Roads Management Services Inc.													Scenario 2	
Section Number	**Item Description**	**Roadside**	**Material**	**Year Built**	**Historical Cost Dec. 31, 2012**	**Accumulated Amortization Dec. 31, 2012**	**Net Book Value Dec. 31, 2012**	**Historical Cost Dec. 31, 2012**	**Accumulated Amortization Dec. 31, 2012**	**Net Book Value Dec. 31, 2012**	**From Desc**	**To Desc**	**Length**	**Time of Need**	**Ph Cond**	**Improvement Cost**	**Replacement Cost (Surface & Base)**	**Assumed Road Base RC**	**Assumed Road Surface RC**	**AM Useful Life (Base)**	**AM Useful Life (Surface)**	**Asset Condition**	**Risk of Failure**	**Revised Replacement Year** (Improvement Costs)	**Revised Remaining Useful Life**
																		60%							
					$ 32,300,735	**$ 13,334,389**	**$ 18,966,346**	**$ 7,028,902**	**$ 4,182,569**	**$ 2,846,333**						**$ 31,357,562**	**$ 121,766,333**	**$ 99,190,000**	**$ 22,576,333**						
00010	Centre-Wellington-Erin Townline	Rural	Gravel	1997	$ 109,396	$ 43,758	$ 65,638	$ -	$ -	$ -	Wellington County Road 26	1st Line	1.40	ADEQ	75	$ -	$ 496,302	$ 496,302	$ -	50		Good	L	2033	34
00020	East-Garafraxa-Erin Townline	Rural	Gravel	1997	$ 109,396	$ 43,758	$ 65,638	$ -	$ -	$ -	1st Line	2nd Line	1.40	ADEQ	75	$ -	$ 496,302	$ 496,302	$ -	50		Good	L	2033	34
00030	East-Garafraxa-Erin Townline	Rural	Gravel	1989	$ 102,979	$ 61,787	$ 41,192	$ -	$ -	$ -	2nd Line	3rd Line	1.30	6 to 10	45	$ 210,647	$ 378,557	$ 378,557	$ -	50		Average	M	2031	26
00040	East-Garafraxa-Erin Townline	Semi-Urban	SurfTreat	1985	$ 53,663	$ 37,564	$ 16,099	$ -	$ -	$ -	3rd Line	0.5 km E of 3rd Line	0.50	6 to 10	70	$ 553,304	$ 175,423	$ 105,254	$ 70,169	50	7	Good	M	2031	22
00050	East-Garafraxa-Erin Townline	Rural	SurfTreat	1985	$ 103,803	$ 72,662	$ 31,141	$ -	$ -	$ -	0.5 km E of 3rd Line	4th Line	1.00	6 to 10	70	$ 18,144	$ 435,157	$ 261,094	$ 174,063	50	7	Good	M	2033	22
00060	East-Garafraxa-Erin Townline	Rural	SurfTreat	1985	$ 124,267	$ 86,987	$ 37,280	$ -	$ -	$ -	4th Line	1.1 km N of 4th Line	1.10	6 to 10	65	$ 21,542	$ 598,361	$ 359,017	$ 239,344	50	7	Good	M	2033	22
00070	East-Garafraxa-Erin Townline	Rural	SurfTreat	1983	$ 151,521	$ 113,641	$ 37,880	$ -	$ -	$ -	0.06 km W of 5th Line	6th Line	1.40	6 to 10	70	$ 28,224	$ 774,811	$ 464,887	$ 309,924	50	7	Good	M	2032	20
00080	East-Garafraxa-Erin Townline	Rural	SurfTreat	1991	$ 203,388	$ 111,863	$ 91,525	$ -	$ -	$ -	6th Line	Trafalgar Rd	1.30	ADEQ	85	$ -	$ 719,467	$ 431,680	$ 287,787	50	7	Very Good	L	2033	28
00090	East-Garafraxa-Erin Townline	Rural	HMAsphalt	2004	$ 316,423	$ 71,195	$ 245,228	$ 200,213	$ 90,096	$ 110,117	Trafalgar Rd	8th Line	1.40	ADEQ	85	$ 2,520	$ 823,756	$ 494,254	$ 329,502	50	15	Very Good	L		41
00100	East-Garafraxa-Erin Townline	Rural	HMAsphalt	2004	$ 647,291	$ 145,640	$ 501,651	$ 386,126	$ 173,757	$ 212,369	8th Line	10th Line	2.70	ADEQ	80	$ 4,860	$ 1,588,673	$ 953,204	$ 635,469	50	15	Good	L		41
00110	East-Garafraxa-Erin Townline	Rural	HMAsphalt	2002	$ 390,410	$ 107,363	$ 283,047	$ 232,890	$ 128,090	$ 104,801	10th Line	Erin-Caledon Townline	1.80	ADEQ	75	$ 3,240	$ 1,059,115	$ 635,469	$ 423,646	50	15	Good	L		39
00115	27 Sideroad	Rural	Gravel	1985	$ 145,164	$ 101,615	$ 43,549	$ -	$ -	$ -	Erin-Caledon Townline	10th Line	3.20	NOW	35	$ 677,413	$ 1,392,504	$ 1,392,504	$ -	50		Poor	E	2032	22
00120	27 Sideroad	Rural	Gravel	1998	$ 98,351	$ 36,882	$ 61,469	$ -	$ -	$ -	10th Line	9th Line	1.40	NOW	85	$ 296,368	$ 609,220	$ 609,220	$ -	50		Very Good	E	2022	35
00130	27 Sideroad	Rural	Gravel	1997	$ 109,683	$ 43,873	$ 65,810	$ -	$ -	$ -	9th Line	8th Line	1.65	ADEQ	75	$ -	$ 406,397	$ 406,397	$ -	50		Good	L	2033	34
00132	27 Sideroad	Rural	HMAsphalt	2002	$ 51,836	$ 14,255	$ 37,581	$ 33,270	$ 18,299	$ 14,972	8th Line	0.25 km E of 8th Line (pit entrance)	0.25	ADEQ	80	$ 450	$ 93,906	$ 56,344	$ 37,562	50	20	Good	L		39
00140	27 Sideroad	Rural	Gravel	2001	$ 135,737	$ 40,721	$ 95,016	$ -	$ -	$ -	Trafalgar Rd	6th Line	1.30	ADEQ	90	$ -	$ 460,852	$ 460,852	$ -	50		Very Good	L	2033	38
00150	27 Sideroad	Rural	Gravel	2001	$ 139,333	$ 41,800	$ 97,533	$ -	$ -	$ -	6th Line	5th Line	1.40	ADEQ	90	$ -	$ 419,783	$ 419,783	$ -	50		Very Good	L	2033	38
00160	27 Sideroad	Rural	Gravel	2001	$ 116,060	$ 34,818	$ 81,242	$ -	$ -	$ -	5th Line	4th Line	1.40	NOW	90	$ 419,783	$ 419,783	$ 419,783	$ -	50		Very Good	E	2016	38
00170	27 Sideroad	Rural	Gravel	2001	$ 120,482	$ 36,145	$ 84,337	$ -	$ -	$ -	4th Line	3rd Line	1.30	ADEQ	90	$ -	$ 389,798	$ 389,798	$ -	50		Very Good	L	2033	38
00180	27 Sideroad	Rural	Gravel	2001	$ 144,809	$ 43,443	$ 101,366	$ -	$ -	$ -	3rd Line	2nd Line	1.40	ADEQ	90	$ -	$ 419,783	$ 419,783	$ -	50		Very Good	L	2033	38
00190	27 Sideroad	Rural	Gravel	1997	$ 224,477	$ 89,791	$ 134,686	$ -	$ -	$ -	2nd Line	Wellington County Rd 26	2.70	6 to 10	75	$ -	$ 875,443	$ 875,443	$ -	50		Good	M	2032	34
00200	24 Sideroad (Station Rd)	Rural	Gravel	1998	$ 112,609	$ 42,228	$ 70,381	$ -	$ -	$ -	4th Line	5th Line	1.40	ADEQ	80	$ 1,859,223	$ 419,783	$ 419,783	$ -	50		Good	L	2014	35
00210	24 Sideroad	Rural	SurfTreat	1996	$ 147,086	$ 62,512	$ 84,574	$ -	$ -	$ -	0.5 km E of 5th Line	0.4 km W of 6th Line	0.50	6 to 10	65	$ 9,792	$ 156,186	$ 93,712	$ 62,474	50	7	Good	M	2032	33
00212	24 Sideroad	Semi-Urban	SurfTreat	1992	$ 66,146	$ 34,727	$ 31,419	$ -	$ -	$ -	5th Line	0.5 E of 5th Line	0.50	1 to 5	40	$ 116,414	$ 178,714	$ 107,228	$ 71,486	50	7	Poor	H	2030	29
00230	24 Sideroad	Rural	SurfTreat	1996	$ 98,058	$ 41,675	$ 56,383	$ -	$ -	$ -	6th Line	0.6 km E of 6th Line	0.60	ADEQ	80	$ -	$ 190,600	$ 114,360	$ 76,240	50	7	Good	L	2033	33
00240	24 Sideroad	Rural	SurfTreat	1983	$ 55,071	$ 41,303	$ 13,768	$ -	$ -	$ -	0.6 km N of 6th Line	Elora Cataract Trail	0.60	NOW	25	$ 261,094	$ 261,094	$ 156,656	$ 104,438	50	7	Poor	E	2018	20
00250	Orangeville St	Semi-Urban	HMAsphalt	1992	$ 35,255	$ 18,509	$ 16,746	$ 24,240	$ 24,240	$ -	Mill St	Queen St	0.39	NOW	25	$ 431,577	$ 131,695	$ 79,017	$ 52,678	50	20	Poor	E	2017	29
00252	Barker st	Semi-Urban	HMAsphalt	1992	$ 15,790	$ 8,290	$ 7,500	$ 10,137	$ 10,137	$ -	Church St	Queen St	0.11	NOW	35	$ 121,727	$ 38,593	$ 23,156	$ 15,437	50	20	Poor	E	2018	29
00255	Orangeville St	Semi-Urban	HMAsphalt	1992	$ 27,701	$ 14,543	$ 13,158	$ 19,046	$ 19,046	$ -	0.03 km E of Barbour St	Mill St	0.11	ADEQ	90	$ 198	$ 38,593	$ 23,156	$ 15,437	50	20	Very Good	L		29
00260	26 Sideroad (Orangeville St)	Rural	HMAsphalt	1981	$ 85,130	$ 68,104	$ 17,026	$ 322,165	$ 48,325	$ 273,840	8th Line	0.03 km E of Barbour St	0.60	ADEQ	85	$ 1,080	$ 263,429	$ 158,057	$ 105,372	50	20	Very Good	L		18
00270	17 Sideroad	Rural	Gravel	1983	$ 141,589	$ 106,192	$ 35,397	$ -	$ -	$ -	Wellington County Rd 26	2nd Line	2.90	NOW	30	$ 300,000	$ 926,143	$ 926,143	$ -	50		Poor	E	DC	20
00280	17 Sideroad	Rural	Gravel	1986	$ 72,855	$ 49,177	$ 23,678	$ -	$ -	$ -	2nd Line	3rd Line	1.30	NOW	35	$ 300,000	$ 460,852	$ 460,852	$ -	50		Poor	E	DC	23
00290	17 Sideroad	Rural	Gravel	1989	$ 99,031	$ 59,419	$ 39,612	$ -	$ -	$ -	3rd Line	4th Line	1.40	ADEQ	50	$ 300,000	$ 407,677	$ 407,677	$ -	50		Average	L	DC	26
00300	17 Sideroad	Rural	Gravel	1984	$ 74,159	$ 53,765	$ 20,394	$ -	$ -	$ -	4th Line	5th Line	1.40	NOW	30	$ 300,000	$ 496,302	$ 496,302	$ -	50		Poor	E	DC	21
00310	17 Sideroad	Rural	Gravel	1983	$ 72,037	$ 54,028	$ 18,009	$ -	$ -	$ -	5th Line	6th Line	1.40	NOW	30	$ 260,963	$ 496,302	$ 496,302	$ -	50		Poor	E	DC	20
00320	17 Sideroad	Rural	Gravel	2002	$ 110,318	$ 30,337	$ 79,981	$ -	$ -	$ -	6th Line	Trafalgar Rd	1.10	NOW	95	$ 155,147	$ 582,733	$ 582,733	$ -	50		Very Good	E	DC	39
00330	17 Sideroad	Rural	HMAsphalt	2002	$ 349,514	$ 96,116	$ 253,398	$ 207,013	$ 113,857	$ 93,156	Trafalgar Rd	8th Line	1.60	ADEQ	85	$ 2,880	$ 885,498	$ 531,299	$ 354,199	50	20	Very Good	L		39
00340	17 Sideroad	Rural	HMAsphalt	2002	$ 120,145	$ 33,040	$ 87,105	$ 71,161	$ 39,139	$ 32,022	0.55 km N of 8th Line	Wellington County Rd 23	0.55	6 to 10	85	$ -	$ 323,619	$ 194,171	$ 129,448	50	15	Very Good	M		39
00345	17 Sideroad	Rural	HMAsphalt	2002	$ 120,145	$ 33,040	$ 87,105	$ 71,161	$ 39,139	$ 32,022	8th Line	0.55 km N of 8th Line	0.55	6 to 10	85	$ -	$ 323,619	$ 194,171	$ 129,448	50	15	Very Good	M		39
00360	15 Sideroad	Rural	HMAsphalt	1998	$ 113,485	$ 42,557	$ 70,928	$ 64,312	$ 48,234	$ 16,078	8th Line	Erin Heights Dr	0.60	6 to 10	75	$ -	$ 326,379	$ 195,827	$ 130,552	50	20	Good	M		35
00370	15 Sideroad	Rural	HMAsphalt	1981	$ 115,832	$ 92,666	$ 23,166	$ 74,171	$ 74,171	$ -	Erinlea Cr	10th Line	0.80	6 to 10	80	$ 1,440	$ 360,575	$ 216,345	$ 144,230	50	20	Good	M		18
00380	15 Sideroad	Rural	Gravel	2005	$ 177,985	$ 35,597	$ 142,388	$ -	$ -	$ -	10th Line	Erin-Caledon Townline	1.40	6 to 10	85	$ -	$ 516,663	$ 516,663	$ -	50		Very Good	M		42
00390	15 Sideroad	Rural	Gravel	1983	$ 69,698	$ 52,274	$ 17,425	$ -	$ -	$ -	Wellington County Rd 26	1st Line	1.60	NOW	30	$ 479,752	$ 479,752	$ 479,752	$ -	50		Poor	E	2022	20
00400	15 Sideroad	Rural	Gravel	1995	$ 85,577	$ 38,510	$ 47,067	$ -	$ -	$ -	2nd Line	0.2 km S of 2nd Line	1.60	ADEQ	70	$ -	$ 394,082	$ 394,082	$ -	50		Good	L	2033	32
00410	10 Sideroad	Rural	Gravel	1981	$ 53,918	$ 43,134	$ 10,784	$ -	$ -	$ -	3rd Line	4th Line	1.45	NOW	25	$ 205,192	$ 434,775	$ 434,775	$ -	50		Poor	E	2020	18
00412	10 Sideroad	Rural	Gravel	1981	$ 53,918	$ 43,134	$ 10,784	$ -	$ -	$ -	4th Line	5th Line	1.45	NOW	25	$ 205,192	$ 434,775	$ 434,775	$ -	50		Poor	E	2020	18
00420	9 Sideroad	Rural	Gravel	1997	$ 84,251	$ 33,700	$ 50,551	$ -	$ -	$ -	6th Line	Trafalgar Rd	1.30	ADEQ	75	$ -	$ 389,798	$ 389,798	$ -	50		Good	L	2033	34
00430	10 Sideroad	Rural	Gravel	1997	$ 93,115	$ 37,246	$ 55,869	$ -	$ -	$ -	Trafalgar Rd	8th Line	1.35	NOW	80	$ 478,577	$ 478,577	$ 478,577	$ -	50		Good	E	2033	34
00435	10 Sideroad	Rural	Gravel	1995	$ 91,669	$ 41,251	$ 50,418	$ -	$ -	$ -	8th Line	9th Line	1.35	ADEQ	70	$ -	$ 478,577	$ 478,577	$ -	50		Good	L	2033	32
00440	10 Sideroad	Rural	Gravel	1995	$ 89,506	$ 40,278	$ 49,228	$ -	$ -	$ -	9th Line	10th Line	1.35	NOW	70	$ 285,783	$ 587,463	$ 587,463	$ -	50		Good	E	2019	32
00450	10 Sideroad	Rural	Gravel	1992	$ 80,900	$ 42,473	$ 38,428	$ -	$ -	$ -	10th Line	Wellington County Rd 25	1.30	ADEQ	100	$ -	$ 584,054	$ 584,054	$ -	50		Very Good	L		29
00460	5 Sideroad	Rural	HMAsphalt	2010	$ 415,084	$ 31,131	$ 383,953	$ -	$ -	$ -	Peel Regional Rd 19	10th Line	1.40	ADEQ	55	$ -	$ 496,302	$ 297,781	$ 198,521	50	3	Average	L	2033	47
00465	5 Sideroad	Rural	HMAsphalt	2010	$ 398,806	$ 29,910	$ 368,896	$ -	$ -	$ -	8th Line	9th Line	1.35	6 to 10	95	$ -	$ 747,139	$ 448,283	$ 298,856	50	20	Very Good	M		47
00470	5 Sideroad	Rural	HMAsphalt	2010	$ 398,806	$ 29,910	$ 368,896	$ -	$ -	$ -	10th Line	9th Line	1.35	6 to 10	100	$ -	$ 747,139	$ 448,283	$ 298,856	50	20	Very Good	M		47
00480	5 Sideroad	Rural	HMAsphalt	2010	$ 415,084	$ 31,131	$ 383,953	$ -	$ -	$ -	8th Line	Trafalgar Rd	1.40	ADEQ	100	$ -	$ 761,551	$ 456,931	$ 304,620	50	7	Very Good	L		47
00550	Halton Boundary	Semi-Urban	Gravel	1983	$ 17,808	$ 13,356	$ 4,452	$ -	$ -	$ -	Erin-Eramosa	Homestead Lane	0.40	6 to 10	90	$ -	$ 159,467	$ 159,467	$ -	50		Very Good	M		20
00552											Halton Boundary	North end Cul de Sac	0.50	ADEQ	100	$ -	$ 215,186	$ 129,112	$ 86,074	50	20	Very Good	L	2033	
00554											Halton Boundary	New Rd 1	0.30	ADEQ	100	$ -	$ 107,228	$ 64,337	$ 42,891	50	20	Very Good	L	2033	
00556	Halton Boundary	Rural	Gravel	1981	$ 30,271	$ 24,217	$ 6,054	$ -	$ -	$ -	0.4 km E of Erin-Eramosa	1st Line	0.70	ADEQ	100	$ -	$ 304,610	$ 304,610	$ -	50		Very Good	L		18
00560	Halton Boundary	Rural	Gravel	1981	$ 65,109	$ 52,087	$ 13,022	$ -	$ -	$ -	1st Line	2nd Line	1.40	ADEQ	100	$ -	$ 741,660	$ 741,660	$ -	50		Very Good	L		18
00570	Halton Boundary	Rural	SurfTreat	2002	$ 287,328	$ 79,015	$ 208,313	$ -	$ -	$ -	Wellington County Rd 125	3rd Line	1.40	ADEQ	90	$ -	$ 768,181	$ 460,909	$ 307,272	50	7	Very Good	L		39
00580	Halton Boundary	Rural	SurfTreat	1983	$ 141,089	$ 105,817	$ 35,272	$ -	$ -	$ -	3rd Line	4th Line	1.30	6 to 10	70	$ 242,323	$ 460,852	$ 276,511	$ 184,341	50	7	Good	M	2032	20
00590	Halton Boundary	Rural	SurfTreat	1979	$ 210,857	$ 179,228	$ 31,629	$ -	$ -	$ -	4th Line	6th Line	2.90	1 to 5	55	$ 566,257	$ 1,074,777	$ 644,866	$ 429,911	50	7	Average	H	2030	16
00600	Halton Boundary	Semi-Urban	HMAsphalt	1979	$ 53,347	$ 45,345	$ 8,002	$ 31,509	$ 31,509	$ -	Sandalwood Dr	Trafalgar Rd	0.35	6 to 10	70	$ 34,194	$ 149,243	$ 89,546	$ 59,697	50	20	Good	M	2032	16
00602	Erin-Halton Hills Boundary	Semi-Urban	SurfTreat	1979	$ 18,500	$ 15,725	$ 2,775	$ -	$ -	$ -	0.25 km W of Sandalwood Dr	Sandalwood Dr	0.25	1 to 5	55	$ 59,342	$ 91,003	$ 54,602	$ 36,401	50	7	Average	H	2031	16
00604	Erin-Halton Hills Boundary	Rural	SurfTreat	1988	$ 101,404	$ 63,378	$ 38,027	$ -	$ -	$ -	6th Line	0.7 km E of 6th Line	0.70	ADEQ	85	$ -	$ 270,707	$ 162,424	$ 108,283	50	7	Very Good	L		25
00610	Erin-Eramosa Boundary	Semi-Urban	SurfTreat	1968	$ 7,401	$ 7,401	$ -	$ -	$ -	$ -	Halton Boundary	0.2 km N of Erin-Halton Hills Boundary	0.30	6 to 10	80	$ 399,734	$ 119,601	$ 71,761	$ 47,840	50	7	Good	M	2032	5
00612	Wellington Rd 26	Rural	Gravel	1992	$ 196,440	$ 103,131	$ 93,309	$ -	$ -	$ -	0.2 km N of Erin-Halton Hills Boundary	Wellington County Rd 50	2.70	6 to 10	55	$ -	$ 957,154	$ 957,154	$ -	50		Average	M		29
00620	Erin-Eramosa Boundary	Rural	Gravel	1981	$ 216,520	$ 173,216	$ 43,304	$ -	$ -	$ -	5 Sideroad	Wellington County Rd 124	4.80	NOW	30	$ 894,731	$ 1,701,607	$ 1,701,607	$ -	50		Poor	E	2018	18
00630	1st Line	Rural	SurfTreat	1998	$ 230,932	$ 86,600	$ 144,333	$ -	$ -	$ -	Erin-Halton Hills Boundary	1.5 km N of Erin-Halton Hills Boundary	1.50	ADEQ	75	$ 28,080	$ 555,919	$ 333,551	$ 222,368	50	7	Good	L	2033	35
00632	1st Line	Rural	SurfTreat	1983	$ 38,186	$ 28,640	$ 9,547	$ -	$ -	$ -	1.5 km N of Erin-Halton Hills Boundary	1.9 km N of Erin-Halton Hills Boundary	0.40	NOW	35	$ 78,104	$ 148,245	$ 88,947	$ 59,298	50	7	Poor	E	2019	20
00634	1st Line	Rural	Gravel	1983	$ 53,706	$ 40,280	$ 13,427	$ -	$ -	$ -	1.9 km N of Erin-Halton Hills Boundary	Wellington County Rd 50	1.10	ADEQ	90	$ -	$ 389,952	$ 389,952	$ -	50		Very Good	L		20
00640	1st Line	Rural	Gravel	1985	$ 250,499	$ 175,349	$ 75,150	$ -	$ -	$ -	5 Sideroad	Wellington County Rd 124	4.80	NOW	35	$ 894,731	$ 1,701,607	$ 1,701,607	$ -	50		Poor	E	2019	22
00650	1st Line	Rural	Gravel	1985	$ 71,470	$ 50,029	$ 21,441	$ -	$ -	$ -	Wellington County Rd 124	15 Sideroad	1.40	NOW	35	$ 198,117	$ 419,783	$ 419,783	$ -	50		Poor	E	2021	22
00660	1st Line	Rural	Gravel	1985	$ 64,887	$ 45,421	$ 19,466	$ -	$ -	$ -	15 Sideroad	17 Sideroad	1.30	NOW	35	$ 183,966	$ 389,798	$ 389,798	$ -	50		Poor	E	2021	22
00670	1st Line	Rural	Gravel	1983	$ 142,764	$ 107,073	$ 35,691	$ -	$ -	$ -	17 Sideroad	Wellington County Rd 22	3.20	NOW	30	$ 452,838	$ 959,503	$ 959,503	$ -	50		Poor	E	2021	20
00680	1st Line	Rural	Gravel	2001	$ 254,568	$ 76,370	$ 178,198	$ -	$ -	$ -	Wellington County Rd 22	27 Sideroad	3.00	ADEQ	100	$ -	$ 899,534	$ 899,534	$ -	50		Very Good	L	2033	38
00690	1st Line	Rural	Gravel	1997	$ 224,421	$ 89,768	$ 134,653	$ -	$ -	$ -	27 Sideroad	32 Sideroad	3.00	ADEQ	75	$ -	$ 899,534	$ 899,534	$ -	50		Good	L	2033	34
00700	2nd Line	Rural	Gravel	1984	$ 145,910	$ 105,785	$ 40,125	$ -	$ -	$ -	32 Sideroad	27 Sideroad	3.00	NOW	30	$ 424,536	$ 899,534	$ 899,534	$ -	50		Poor	E	2020	21
00710	2nd Line	Rural	SurfTreat	1997	$ 507,329	$ 202,932	$ 304,397	$ -	$ -	$ -	27 Sideroad	Wellington County Rd 22	3.00	6 to 10	70	$ 60,480	$ 1,660,310	$ 996,186	$ 664,124	50	7	Good	M	2017	34
00720	2nd Line	Rural	SurfTreat	1997	$ 520,884	$ 208,354	$ 312,530	$ -	$ -	$ -	Wellington County Rd 22	17 Sideroad	3.00	6 to 10	70	$ 60,480	$ 1,660,310	$ 996,186	$ 664,124	50	7	Good	M	2016	34
00740	2nd Line	Rural	SurfTreat	1991	$ 354,656	$ 195,061	$ 159,595	$ -	$ -	$ -	17 Sideroad	0.3 km W of Wellington County Rd 124	2.40	NOW	25	$ 376,718	$ 1,355,323	$ 813,194	$ 542,129	50	7	Poor	E	2015	28
00750	2nd Line	Rural	HMAsphalt	2002	$ 107,287	$ 29,504	$ 77,783	$ 55,450	$ 30,498	$ 24,953	0.3 km W of Wellington County Rd 124	Wellington County Rd 124	0.30	ADEQ	80	$ 810	$ 163,992	$ 98,395	$ 65,597	50	15	Good	L		39
00760	3rd Line	Rural	Gravel	1998	$ 228,574	$ 85,715	$ 142,859	$ -	$ -	$ -	Erin-Halton Hills Boundary	Wellington County Rd 50	3.00	ADEQ	80	$ -	$ 1,063,504	$ 1,063,504	$ -	50		Good	L	2033	35
00770	3rd Line	Rural	Gravel	1997	$ 249,419	$ 99,768	$ 149,651	$ -	$ -	$ -	Wellington County Rd 50	10 Sideroad	3.00	ADEQ	75	$ -	$ 1,063,504	$ 1,063,504	$ -	50		Good	L	2033	34
00780	3rd Line	Rural	Gravel	1996	$ 136,299	$ 57,927	$ 78,372	$ -	$ -	$ -	10 Sideroad	Wellington County Rd 124	1.80	ADEQ	75	$ -	$ 638,103	$ 638,103	$ -	50		Good	L	2033	33
00790	3rd Line	Rural	Gravel	1985	$ 122,381	$ 85,667	$ 36,714	$ -	$ -	$ -	Wellington County Rd 124	17 Sideroad	2.60	NOW	35	$ 484,646	$ 921,704	$ 921,704	$ -	50		Poor	E	2020	22
00800	3rd Line	Rural	Gravel	1985	$ 144,620	$ 101,234	$ 43,386	$ -	$ -	$ -	17 Sideroad	Wellington County Rd 22	3.00	NOW	35	$ 559,207	$ 1,063,504	$ 1,063,504	$ -	50		Poor	E	2021	22
00810	3rd Line	Rural	Gravel	1994	$ 220,675	$ 104,821	$ 115,854	$ -	$ -	$ -	Wellington County Rd 22	27 Sideroad	3.20	6 to 10	60	$ -	$ 1,134,405	$ 1,134,405	$ -	50		Average	M		31
00820	3rd Line	Rural	Gravel	2001	$ 248,701	$ 74,610	$ 174,091	$ -	$ -	$ -	27 Sideroad	Erin-East Garafraxa Townline	3.00	ADEQ	90	$ -	$ 873,593	$ 873,593	$ -	50		Very Good	L	2033	38
00830	4th Line	Rural	Gravel	1979	$ 92,351	$ 78,498	$ 13,853	$ -	$ -	$ -	Erin-East Garafraxa Townline	27 Sideroad	3.00	NOW	20	$ 369,041	$ 738,903	$ 738,903	$ -	50		Very Poor	E	2022	16
00840	4th Line	Rural	Gravel	1997	$ 134,218	$ 53,687	$ 80,531	$ -	$ -	$ -	27 Sideroad	24 Sideroad	1.90	ADEQ	75	$ -	$ 673,553	$ 673,553	$ -	50		Good	L	2033	34
00850	4th Line	Rural	Gravel	1997	$ 91,833	$ 36,733	$ 55,100	$ -	$ -	$ -	24 Sideroad	Wellington County Rd 22	1.30	ADEQ	80	$ -	$ 389,798	$ 389,798	$ -	50		Good	L	2033	34
00860	4th Line	Rural	Gravel	1986	$ 150,005	$ 101,253	$ 48,752	$ -	$ -	$ -	Wellington County Rd 22	17 Sideroad	3.00	6 to 10	40	$ -	$ 899,534	$ 899,534	$ -	50		Poor	M		23
00870	4th Line	Rural	Gravel	1985	$ 137,835	$ 96,485	$ 41,351	$ -	$ -	$ -	17 Sideroad	Wellington County Rd 124	2.70	NOW	35	$ 382,082	$ 809,581	$ 809,581	$ -	50		Poor	E	2022	22
00880	4th Line	Rural	Gravel	1985	$ 89,843	$ 62,890	$ 26,953	$ -	$ -	$ -	Wellington County Rd 124	10 Sideroad	1.80	NOW	35	$ 335,524	$ 638,103	$ 638,103	$ -	50		Poor	E	2021	22
00890	4th Line	Rural	Gravel	1985	$ 163,360	$ 114,352	$ 49,008	$ -	$ -	$ -	10 Sideroad	Wellington County Rd 50	3.20	NOW	35	$ 596,487	$ 1,134,405	$ 1,134,405	$ -	50		Poor	E	2024	22
00900	4th Line	Rural	Gravel	1996	$ 227,165	$ 96,545	$ 130,620	$ -	$ -	$ -	5 Sideroad	Erin-Halton Hills Boundary	3.00	6 to 10	75	$ -	$ 1,063,504	$ 1,063,504	$ -	50		Good	M		33
00910	5th Line	Rural	Gravel	1985	$ 161,679	$ 113,175	$ 48,504	$ -	$ -	$ -	Erin-Halton Hills Boundary	Wellington County Rd 50	3.00	NOW	35	$ 559,207	$ 1,063,504	$ 1,063,504	$ -	50		Poor	E	2023	22
00920	5th Line	Rural	Gravel	1985	$ 161,679	$ 113,175	$ 48,504	$ -	$ -	$ -	Wellington County Rd 50	0.03 km E of 10 Sideroad	3.00	NOW	35	$ 559,207	$ 1,063,504	$ 1,063,504	$ -	50		Poor	E	2025	22
00930	5th Line	Rural	Gravel	2001	$ 166,822	$ 50,047	$ 116,775	$ -	$ -	$ -	0.03 km E of 10 Sideroad	Wellington County Rd 124	1.80	ADEQ	90	$ -	$ 638,103	$ 638,103	$ -	50		Very Good	L	2033	38
00940	5th Line	Rural	Gravel	1997	$ 183,666	$ 73,466	$ 110,200	$ -	$ -	$ -	Wellington County Rd 124	17 Sideroad	2.60	ADEQ	75	$ -	$ 779,596	$ 779,596	$ -	50		Good	L	2033	34
00950	5th Line	Rural	Gravel	1997	$ 216,163	$ 86,465	$ 129,698	$ -	$ -	$ -	17 Sideroad	0.6 km E of Wellington County Rd 22	2.60	ADEQ	75	$ -	$ 921,704	$ 921,704	$ -	50		Good	L	2033	34
00960	5th Line	Rural	Gravel	2000	$ 113,074	$ 36,749	$ 76,325	$ -	$ -	$ -	Wellington County Rd 22	0.6 km E of Wellington County Rd 22	1.10	ADEQ	85	$ -	$ 389,952	$ 389,952	$ -	50		Very Good	L	2033	37
00965	5th Line	Rural	Gravel	1994	$ 34,869	$ 16,563	$ 18,306	$ -	$ -	$ -	Wellington Rd 22	0.5 km S of Station St	0.50	ADEQ	75	$ -	$ 149,922	$ 149,922	$ -	50		Good	L	2033	31

Town of Erin
2013 Asset Management Plan
Roads

Section Number	Item Description	Roadside	Material	Year Built	Road Base: Historical Cost Dec. 31, 2012	Road Base: Accumulated Amortization Dec. 31, 2012	Road Base: Net Book Value Dec. 31, 2012	Road Surface: Historical Cost Dec. 31, 2012	Road Surface: Accumulated Amortization Dec. 31, 2012	Road Surface: Net Book Value Dec. 31, 2012	State of the Infrastructure for Roads Report - 4 Roads Management Services Inc.: From Desc	To Desc	Length	Time of Need	Ph Cond	Improvement Cost	Replacement Cost (Surface & Base)	Assumed Road Base RC	Assumed Road Surface RC	AM Useful Life (Base)	AM Useful Life (Surface)	Asset Condition	Risk of Failure	Scenario 2: Revised Replacement Year (Improvement Costs)	Revised Remaining Useful Life
00970	5th Line	Semi-Urban	Gravel	1994	$ 27,964	$ 13,283	$ 14,681	$ -	$ -	$ -	0.5 km W of Wellington County Rd 22	24 Sideroad	0.50	NOW	75	$ 122,449	$ 199,334	$ 199,334	$ -	50		Good	E	2017	31
00974	5th Line	Semi-Urban	SurfTreat	1986	$ 43,845	$ 29,595	$ 14,250	$ -	$ -	$ -	Station st	0.4 km N of Station St	0.40	1 to 5	55	$ 94,948	$ 145,604	$ 87,362	$ 58,242	50	7	Average	H	2017	23
00976	5th Line	Rural	Gravel	2001	$ 18,536	$ 5,561	$ 12,975	$ -	$ -	$ -	0.4 km N of Station St	0.6 km N of Station St	0.20	ADEQ	90	$ -	$ 49,260	$ 49,260	$ -	50		Very Good	L	2033	38
00980	5th Line	Rural	Gravel	1998	$ 96,522	$ 36,196	$ 60,326	$ -	$ -	$ -	0.6 km N of 24 Sideroad	27 Sideroad	1.20	ADEQ	80	$ -	$ 403,722	$ 403,722	$ -	50		Good	L	2033	35
00990	5th Line	Rural	Gravel	2001	$ 296,572	$ 88,972	$ 207,600	$ -	$ -	$ -	27 Sideroad	Erin-Garafraxa Townline	3.20	ADEQ	90	$ -	$ 1,076,592	$ 1,076,592	$ -	50		Very Good	L	2033	38
01000	6th Line	Rural	Gravel	2001	$ 312,218	$ 93,665	$ 218,553	$ -	$ -	$ -	Erin-East Garafraxa Townline	Sideroad 27	3.20	ADEQ	90	$ -	$ 959,503	$ 959,503	$ -	50		Very Good	L	2033	38
01010	6th Line	Rural	Gravel	1996	$ 124,546	$ 52,932	$ 71,614	$ -	$ -	$ -	27 Sideroad	24 Sideroad	1.80	NOW	75	$ 539,721	$ 539,721	$ 539,721	$ -	50		Good	E	2023	33
01020	6th Line	Rural	Gravel	1984	$ 56,185	$ 40,734	$ 15,451	$ -	$ -	$ -	24 Sideroad	Wellington County Rd 22	1.30	NOW	30	$ 183,966	$ 389,798	$ 389,798	$ -	50		Poor	E	2022	21
01030	6th Line	Rural	Gravel	1998	$ 215,844	$ 80,942	$ 134,903	$ -	$ -	$ -	Wellington County Rd 22	17 Sideroad	3.00	ADEQ	80	$ -	$ 1,063,504	$ 1,063,504	$ -	50		Good	L	2033	35
01040	6th Line	Rural	Gravel	1986	$ 157,267	$ 106,155	$ 51,112	$ -	$ -	$ -	17 Sideroad	Wellington County Rd 124	2.90	NOW	35	$ 540,566	$ 1,028,054	$ 1,028,054	$ -	50		Poor	E	2023	23
01050	6th Line	Rural	Gravel	1998	$ 151,091	$ 56,659	$ 94,432	$ -	$ -	$ -	Wellington County Rd 124	9 Sideroad	2.10	ADEQ	80	$ -	$ 744,453	$ 744,453	$ -	50		Good	L	2033	35
01060	6th Line	Rural	Gravel	1995	$ 147,393	$ 66,327	$ 81,066	$ -	$ -	$ -	9 Sideroad	Wellington County Rd 50	2.60	NOW	70	$ 779,596	$ 779,596	$ 779,596	$ -	50		Good	E	2026	32
01070	6th Line	Rural	Gravel	1985	$ 136,091	$ 95,264	$ 40,827	$ -	$ -	$ -	5 Sideroad	Erin-Halton Hills Boundary	3.00	NOW	35	$ 1,063,504	$ 1,063,504	$ 1,063,504	$ -	50		Poor	E	2024	22
01080	8th Line	Rural	Gravel	1995	$ 199,348	$ 89,707	$ 109,641	$ -	$ -	$ -	Erin-Halton Hills Boundary	5 Sideroad	3.20	ADEQ	65	$ -	$ 959,503	$ 959,503	$ -	50		Good	L	2033	32
01090	8th Line	Rural	Gravel	1997	$ 199,424	$ 79,770	$ 119,654	$ -	$ -	$ -	5 Sideroad	10 Sideroad	3.00	6 to 10	75	$ -	$ 899,534	$ 899,534	$ -	50		Good	M		34
01100	8th Line	Rural	Gravel	1998	$ 98,351	$ 36,882	$ 61,469	$ -	$ -	$ -	10 Sideroad	Wellington County Rd 124	1.40	ADEQ	80	$ -	$ 344,821	$ 344,821	$ -	50		Good	L	2033	35
01105	8th Line	Rural	HMAsphalt	2005	$ 45,009	$ 9,002	$ 36,007	$ 30,974	$ 12,390	$ 18,584	Wellington County Rd 124	0.2 km N of Wellington County Rd 124	0.20	ADEQ	90	$ 360	$ 92,478	$ 55,487	$ 36,991	50	20	Very Good	L		42
01110	8th Line	Rural	Gravel	1997	$ 106,359	$ 42,544	$ 63,815	$ -	$ -	$ -	0.2 km N of Wellington County Rd 124	15 Sideroad	1.60	NOW	80	$ 196,170	$ 696,252	$ 696,252	$ -	50		Good	E	2027	34
01115	8th Line	Rural	SurfTreat	1996	$ 27,364	$ 11,630	$ 15,734	$ -	$ -	$ -	0.8 km E of 17 Sideroad	Erin Heights Dr	0.20	6 to 10	70	$ 30,945	$ 105,951	$ 63,571	$ 42,380	50	7	Good	M	2032	33
01117	8th Line	Rural	SurfTreat	1996	$ 41,046	$ 17,445	$ 23,601	$ -	$ -	$ -	Erin Heights Dr	Sideroad 15	0.30	6 to 10	70	$ 158,927	$ 158,927	$ 95,356	$ 63,571	50	7	Good	M	2032	33
01120	8th Line	Rural	SurfTreat	1996	$ 61,569	$ 26,167	$ 35,402	$ -	$ -	$ -	0.35 km E of 17 Sideroad	0.8 km E of 17 Sideroad	0.45	6 to 10	65	$ 69,626	$ 254,123	$ 152,474	$ 101,649	50	7	Good	M	2032	33
01122	8th Line	Rural	SurfTreat	1996	$ 47,887	$ 20,352	$ 27,535	$ -	$ -	$ -	17 Sideroad	0.35 km E of 17 Sideroad	0.35	6 to 10	65	$ 52,334	$ 162,356	$ 97,414	$ 64,942	50	7	Good	M	2032	33
01130	8th Line	Rural	Gravel	1997	$ 199,424	$ 79,770	$ 119,654	$ -	$ -	$ -	17 Sideroad	Wellington County Rd 22	3.00	ADEQ	80	$ -	$ 1,063,504	$ 1,063,504	$ -	50		Good	L	2033	34
01140	8th Line	Rural	HMAsphalt	2001	$ 358,924	$ 107,677	$ 251,247	$ 228,842	$ 137,305	$ 91,537	Wellington County Rd 22	Orangeville St	1.80	ADEQ	85	$ 3,240	$ 996,186	$ 597,712	$ 398,474	50	20	Very Good	L		38
01150	8th Line	Rural	HMAsphalt	2004	$ 179,441	$ 40,374	$ 139,067	$ 114,408	$ 51,484	$ 62,924	27 Sideroad	Orangeville St	0.80	ADEQ	85	$ 1,440	$ 363,687	$ 218,212	$ 145,475	50	20	Very Good	L		41
01160	8th Line	Rural	Gravel	1998	$ 296,374	$ 111,140	$ 185,234	$ -	$ -	$ -	Erin-West Garafraxa Townline	27 Sideroad	3.50	ADEQ	80	$ -	$ 862,054	$ 862,054	$ -	50		Good	L	2033	35
01170	9th Line	Rural	Gravel	1997	$ 236,717	$ 94,687	$ 142,030	$ -	$ -	$ -	Erin-West Garafraxa Townline	27 Sideroad	3.20	ADEQ	80	$ -	$ 1,134,405	$ 1,134,405	$ -	50		Good	L	2033	34
01180	9th Line	Rural	Gravel	2001	$ 263,368	$ 79,010	$ 184,358	$ -	$ -	$ -	27 Sideroad	Wellington County Rd 22	3.00	ADEQ	90	$ -	$ 1,063,504	$ 1,063,504	$ -	50		Very Good	L	2033	38
01190	Dianne Rd/Mountain Cr	Semi-Urban	HMAsphalt	2000	$ 53,144	$ 17,272	$ 35,872	$ 37,288	$ 24,237	$ 13,051	Wellington County Rd 52	Kenneth Ave	0.32	ADEQ	85	$ 576	$ 113,324	$ 67,994	$ 45,330	50	20	Very Good	L		37
01195	9th Line	Rural	SurfTreat	1996	$ 118,083	$ 50,185	$ 67,898	$ -	$ -	$ -	Armstrong St	Wellington County Rd 52	0.78	ADEQ	85	$ 1,395	$ 374,578	$ 224,747	$ 149,831	50	15	Very Good	L		33
01200	9th Line	Rural	SurfTreat	2008	$ 57,335	$ 7,167	$ 50,168	$ -	$ -	$ -	Armstrong St	10 Sideroad	0.50	ADEQ	90	$ 900	$ 241,663	$ 144,998	$ 96,665	50	7	Very Good	L		45
01210	9th Line	Rural	SurfTreat	2008	$ 329,678	$ 41,210	$ 288,468	$ -	$ -	$ -	10 Sideroad	5 Sideroad	3.00	ADEQ	85	$ 5,400	$ 1,765,192	$ 1,059,115	$ 706,077	50	15	Very Good	L		45
01230	9th Line	Rural	SurfTreat	2008	$ 329,678	$ 41,210	$ 288,468	$ -	$ -	$ -	5 Sideroad	Wellington County Rd 42	3.00	ADEQ	85	$ 5,400	$ 1,765,192	$ 1,059,115	$ 706,077	50	15	Very Good	L		45
01240	10th Line	Rural	Gravel	1997	$ 211,923	$ 84,769	$ 127,154	$ -	$ -	$ -	Wellington County Rd 42	5 Sideroad	3.00	NOW	80	$ 1,063,504	$ 1,063,504	$ 1,063,504	$ -	50		Good	E	2025	34
01250	10th Line	Rural	Gravel	2000	$ 257,028	$ 83,534	$ 173,494	$ -	$ -	$ -	5 Sideroad	10 Sideroad	3.20	ADEQ	85	$ -	$ 931,832	$ 931,832	$ -	50		Very Good	L	2033	37
01260	10th Line	Rural	Gravel	1998	$ 99,049	$ 37,143	$ 61,906	$ -	$ -	$ -	10 Sideroad	Wellington County Rd 52	1.30	ADEQ	85	$ -	$ 378,557	$ 378,557	$ -	50		Very Good	L	2033	35
01270	10th Line	Rural	HMAsphalt	2000	$ 311,797	$ 101,334	$ 210,463	$ 204,877	$ 133,170	$ 71,707	Wellington County Rd 52	Pine Ridge Rd	0.87	ADEQ	80	$ -	$ 392,125	$ 235,275	$ 156,850	50	7	Good	L		37
01271											Pine Ridge Rd	15 Sideroad	1.03	ADEQ	75	$ -	$ 464,240	$ 278,544	$ 185,696	50	7	Good	L		
01275	10th Line	Rural	Gravel	2001	$ 7,801	$ 2,340	$ 5,461	$ -	$ -	$ -	15 Sideroad	0.1 km N of 15 Sideroad	0.10	NOW	90	$ -	$ 43,516	$ 43,516	$ -	50		Very Good	E		38
01280	10th Line	Rural	Gravel	1997	$ 215,445	$ 86,178	$ 129,267	$ -	$ -	$ -	Wellington County Rd 124	Wellington County Rd 22	2.88	ADEQ	80	$ -	$ 1,020,964	$ 1,020,964	$ -	50		Good	L	2033	34
01284	10th Line	Rural	HMAsphalt	2004	$ 23,417	$ 5,269	$ 18,148	$ 17,161	$ 7,722	$ 9,439	Wellington County Rd 22	0.12 km S of Wellington County Rd 22	0.12	ADEQ	100	$ -	$ 53,913	$ 32,348	$ 21,565	50	20	Very Good	L	2033	41
01290	10th Line	Rural	Gravel	1997	$ 239,383	$ 95,753	$ 143,630	$ -	$ -	$ -	Wellington County Rd 22	27 Sideroad	3.20	ADEQ	80	$ -	$ 959,503	$ 959,503	$ -	50		Good	L	2033	34
01300	10th Line	Rural	Gravel	1995	$ 191,694	$ 86,262	$ 105,432	$ -	$ -	$ -	27 Sideroad	Erin-East Garafraxa Townline	3.00	ADEQ	70	$ -	$ 899,534	$ 899,534	$ -	50		Good	L	2033	32
01310	Erin-Caledon Townline	Rural	HMAsphalt	1981	$ 508,171	$ 406,537	$ 101,634	$ 300,984	$ 300,984	$ -	Erin-East Garafraxa Townline	27 Sideroad	3.20	NOW	30	$ 543,554	$ 1,437,671	$ 862,603	$ 575,068	50	20	Poor	E	2026	18
01320	Erin-Caledon Townline	Rural	HMAsphalt	1981	$ 459,489	$ 367,591	$ 91,898	$ 282,172	$ 282,172	$ -	27 Sideroad	Wellington County Rd 22	3.00	NOW	30	$ 504,441	$ 1,347,817	$ 808,690	$ 539,127	50	20	Poor	E	2027	18
01360	Mill St	Semi-Urban	HMAsphalt	1981	$ 69,425	$ 55,540	$ 13,885	$ 288,651	$ 43,298	$ 245,354	Water St	Orangeville St	0.54	ADEQ	85	$ 972	$ 184,125	$ 110,475	$ 73,650	50	20	Very Good	L		18
01370	Ellen Cr	Semi-Urban	HMAsphalt	1997	$ 72,791	$ 29,116	$ 43,675	$ 47,203	$ 37,762	$ 9,441	Church St	Church St	0.50	ADEQ	75	$ 900	$ 167,194	$ 100,316	$ 66,878	50	20	Good	L		34
01377	Alice Gate	Semi-Urban	HMAsphalt	1992	$ 13,970	$ 7,334	$ 6,636	$ 8,517	$ 8,517	$ -	Mill St	Ellen Cr	0.10	1 to 5	55	$ 8,562	$ 33,439	$ 20,063	$ 13,376	50	20	Average	H	2031	29
01380	Queen St	Semi-Urban	HMAsphalt	1991	$ 47,005	$ 25,853	$ 21,152	$ 35,372	$ 35,372	$ -	Barker St	Trafalgar Rd	0.40	NOW	20	$ 532,979	$ 164,223	$ 98,534	$ 65,689	50	20	Very Poor	E	2026	28
01382	Church St	Semi-Urban	HMAsphalt	1996	$ 15,471	$ 6,575	$ 8,896	$ 63,784	$ 9,568	$ 54,217	Main St	Anne St	0.12	6 to 10	95	$ 159,894	$ 48,791	$ 29,275	$ 19,516	50	20	Very Good	M	2032	33
01384	Church St	Semi-Urban	HMAsphalt	1996	$ 10,314	$ 4,383	$ 5,931	$ 43,244	$ 6,487	$ 36,757	Anne St	Barker St	0.08	ADEQ	100	$ -	$ 32,528	$ 19,517	$ 13,011	50	20	Very Good	L	2033	33
01385	Church St	Semi-Urban	HMAsphalt	1998	$ 47,209	$ 17,703	$ 29,506	$ 63,784	$ 9,568	$ 54,217	Barker St	Ellen Cr	0.11	ADEQ	100	$ -	$ 40,041	$ 24,025	$ 16,016	50	20	Very Good	L	2033	35
01386											Ellen Cr	Mill St	0.21	1 to 5	40	$ 31,885	$ 70,913	$ 42,548	$ 28,365	50	20	Poor	H	2031	
01388	Anne St	Urban	HMAsphalt	1992	$ 37,501	$ 19,688	$ 17,813	$ 8,378	$ 8,378	$ -	Church St	Queen St	0.10	1 to 5	40	$ 88,234	$ 137,009	$ 82,205	$ 54,804	50	20	Poor	H	2031	29
01390	Anne St	Semi-Urban	HMAsphalt	1986	$ 24,411	$ 16,477	$ 7,934	$ 107,028	$ 16,054	$ 90,974	Mill St	Church St	0.20	ADEQ	100	$ -	$ 228,850	$ 137,310	$ 91,540	50	20	Very Good	L	2033	23
01395	Spruce St	Semi-Urban	HMAsphalt	2005	$ 49,384	$ 9,877	$ 39,507	$ 33,297	$ 13,319	$ 19,978	Mill St	0.08 km S of Douglas Cr	0.22	ADEQ	90	$ 387	$ 79,678	$ 47,807	$ 31,871	50	20	Very Good	L		42
01400	Mill St	Semi-Urban	HMAsphalt	1973	$ 21,641	$ 21,641	$ -	$ 48,649	$ 7,297	$ 41,352	Anne St	0.05 km E of Anne St	0.09	ADEQ	100	$ -	$ 102,982	$ 61,789	$ 41,193	50	20	Very Good	L	2033	10
01402	Mill St	Semi-Urban	HMAsphalt	1981	$ 26,688	$ 21,350	$ 5,338	$ 80,001	$ 12,000	$ 68,001	0.05 km E of Anne St	Water St	0.15	6 to 10	100	$ -	$ 64,476	$ 38,686	$ 25,790	50	20	Very Good	M		18
01405	Upper Canada Dr - Section #01405		HMAsphalt	2010	$ 344,323	$ 25,824	$ 318,498	$ -	$ -	$ -	Main St	Cul de Sac	0.72	ADEQ	90	$ 1,287	$ 979,612	$ 587,767	$ 391,845	50	20	Very Good	L		47
01407	Leader Ct - Section #01407		HMAsphalt	2010	$ 162,567	$ 12,192	$ 150,374	$ -	$ -	$ -	Upper Canada Dr	South end	0.34	ADEQ	95	$ -	$ 465,830	$ 279,498	$ 186,332	50	20	Very Good	L	2033	47
01409	McMurchy Lane - Section #01409		HMAsphalt	2010	$ 38,270	$ 2,870	$ 35,400	$ -	$ -	$ -	Upper Canada Dr	West end	0.08	ADEQ	100	$ -	$ 85,819	$ 51,491	$ 34,328	50	20	Very Good	L	2033	47
01410	Mill St	Semi-Urban	HMAsphalt	2001	$ 17,267	$ 5,180	$ 12,087	$ 63,784	$ 9,568	$ 54,217	Main St	Anne St	0.12	ADEQ	100	$ -	$ 131,589	$ 78,953	$ 52,636	50	20	Very Good	L	2033	38
01420	George St	Semi-Urban	HMAsphalt	1983	$ 70,021	$ 52,516	$ 17,505	$ 48,372	$ 48,372	$ -	Trafalgar Rd	South End	0.60	NOW	35	$ 663,965	$ 198,659	$ 119,195	$ 79,464	50	20	Poor	E	2028	20
01422	George St	Semi-Urban	HMAsphalt	1977	$ 16,338	$ 14,704	$ 1,634	$ 11,287	$ 11,287	$ -	Main St	George St (N/S leg)	0.14	NOW	15	$ 154,925	$ 50,130	$ 30,078	$ 20,052	50	20	Very Poor	E	2027	14
01430	Station St	Rural	HMAsphalt	1979	$ 46,392	$ 39,433	$ 6,959	$ 33,861	$ 33,861	$ -	Trafalgar Rd	Elora Cataract Trail	0.40	NOW	25	$ 268,503	$ 174,063	$ 104,438	$ 69,625	50	20	Poor	E	2027	16
01440	Jane St	Semi-Urban	Gravel	1997	$ 14,998	$ 5,999	$ 8,999	$ -	$ -	$ -	Trafalgar Rd	0.2 km S of Trafalgar Rd	0.20	ADEQ	80	$ 42,933	$ 66,220	$ 66,220	$ -	50		Good	L	2033	34
01450	Market St	Semi-Urban	Gravel	1997	$ 14,998	$ 5,999	$ 8,999	$ -	$ -	$ -	Trafalgar Rd	0.2 km N of Trafalgar Rd	0.20	ADEQ	80	$ 42,933	$ 71,614	$ 71,614	$ -	50		Good	L	2033	34
01460	Wellington St	Semi-Urban	Gravel	1997	$ 11,999	$ 4,800	$ 7,199	$ -	$ -	$ -	Trafalgar Rd	0.2 km N of Trafalgar Rd	0.20	ADEQ	80	$ 42,933	$ 66,220	$ 66,220	$ -	50		Good	L	2033	34
01470	Elizabeth Cr	Semi-Urban	Gravel	1997	$ 10,499	$ 4,200	$ 6,299	$ -	$ -	$ -	Trafalgar Rd	0.2 km S of Trafalgar	0.20	ADEQ	80	$ 42,933	$ 71,614	$ 71,614	$ -	50		Good	L	2033	34
01480	Douglas Cr	Semi-Urban	HMAsphalt	2005	$ 257,258	$ 51,452	$ 205,806	$ 173,454	$ 69,382	$ 104,072	Spruce St	Douglas Cr	1.12	ADEQ	90	$ 2,016	$ 415,065	$ 249,039	$ 166,026	50	20	Very Good	L		42
01485	Currie Dr	Semi-Urban	HMAsphalt	2005	$ 22,969	$ 4,594	$ 18,375	$ 15,487	$ 6,195	$ 9,292	Douglas Cr	0.03 km S of Douglas Cr (south leg)	0.10	ADEQ	90	$ 180	$ 37,059	$ 22,235	$ 14,824	50	20	Very Good	L		42
01487	Water St	Rural	HMAsphalt	2005	$ 23,407	$ 4,681	$ 18,726	$ 15,487	$ 6,195	$ 9,292	Mill St	Douglas Cr	0.10	ADEQ	95	$ 180	$ 37,563	$ 22,538	$ 15,025	50	20	Very Good	L		42
01500	Credit River Rd	Semi-Urban	HMAsphalt	1997	$ 123,516	$ 49,406	$ 74,110	$ 82,953	$ 66,362	$ 16,591	10th Line	15 Sideroad	0.80	6 to 10	70	$ 73,427	$ 283,310	$ 169,986	$ 113,324	50	20	Good	M	2032	34
01510	Sandlewood Cr	Semi-Urban	HMAsphalt	2002	$ 140,132	$ 38,536	$ 101,596	$ 86,687	$ 47,678	$ 39,009	Erin-Halton Hills Boundary	Trafalgar Rd	0.70	ADEQ	90	$ 1,260	$ 298,487	$ 179,092	$ 119,395	50	20	Very Good	L		39
01520	Erin Wood Dr	Semi-Urban	HMAsphalt	1996	$ 112,712	$ 47,903	$ 64,809	$ 70,034	$ 59,529	$ 10,505	8th Line	West end Cul de Sac	0.70	6 to 10	70	$ 66,565	$ 295,713	$ 177,428	$ 118,285	50	20	Good	M	2032	33
01522	Delarmbro Dr	Urban	HMAsphalt	2005	$ 724,020	$ 144,804	$ 579,216	$ 208,214	$ 83,286	$ 124,928	8th Line	Wellington County Rd 124	1.10	ADEQ	85	$ 1,980	$ 1,258,673	$ 755,204	$ 503,469	50	20	Very Good	L		42
01523	Forest Ridge Rd	Urban	HMAsphalt	2005	$ 131,640	$ 26,328	$ 105,312	$ 37,857	$ 15,143	$ 22,714	Delarmbro Dr	West End Cul de Sac	0.20	ADEQ	95	$ 360	$ 228,850	$ 137,310	$ 91,540	50	20	Very Good	L		42
01525	Cedar Ridge Ct	Semi-Urban	HMAsphalt	1996	$ 18,994	$ 8,072	$ 10,922	$ 12,370	$ 10,515	$ 1,856	10th Line	West End Cul de Sac	0.12	1 to 5	50	$ 19,890	$ 42,891	$ 25,735	$ 17,156	50	20	Average	H	2031	33
01530	Pine Ridge Rd	Semi-Urban	HMAsphalt	1996	$ 187,693	$ 79,770	$ 107,923	$ 121,878	$ 103,596	$ 18,282	10th Line	10th Line	1.20	NOW	35	$ 196,191	$ 424,964	$ 254,978	$ 169,986	50	20	Poor	E	2027	33
01540	Mountainview Cr	Semi-Urban	HMAsphalt	2001	$ 62,947	$ 18,884	$ 44,063	$ 38,940	$ 23,364	$ 15,576	Kenneth Ave	Armstrong St	0.32	6 to 10	70	$ 29,933	$ 113,324	$ 67,994	$ 45,330	50	20	Good	M	2032	38
01541	Kenneth Ave	Semi-Urban	HMAsphalt	2002	$ 52,949	$ 14,561	$ 38,388	$ 37,151	$ 20,433	$ 16,718	Wellington County Rd 124	South End	0.30	6 to 10	80	$ -	$ 106,241	$ 63,745	$ 42,496	50	20	Good	M		39
01542	Garden Ct	Semi-Urban	HMAsphalt	2001	$ 7,868	$ 2,360	$ 5,508	$ 4,867	$ 2,920	$ 1,947	Mountainview Cr	South End Cul de Sac	0.04	ADEQ	65	$ 3,742	$ 14,165	$ 8,499	$ 5,666	50	20	Good	L	2033	38
01545	Armstrong St	Semi-Urban	HMAsphalt	2005	$ 127,569	$ 25,514	$ 102,055	$ 80,446	$ 32,178	$ 48,268	Old Cul de Sac	9th Line	0.25	1 to 5	50	$ 107,593	$ 107,593	$ 64,556	$ 43,037	50	20	Average	H	2031	42
01547	Armstrong St	Semi-Urban	HMAsphalt	1998	$ 34,144	$ 12,804	$ 21,340	$ 21,122	$ 15,842	$ 5,281	9th Line	Old Cul de Sac	0.55	ADEQ	100	$ -	$ 194,775	$ 116,865	$ 77,910	50	20	Very Good	L	2033	35
01550											Leenders Lane	Armstrong St	0.46	ADEQ	100	$ -	$ 161,132	$ 96,679	$ 64,453	50	20	Very Good	L	2033	
01555											Armstrong Cr	South End	0.50	ADEQ	100	$ -	$ 178,714	$ 107,228	$ 71,486	50	20	Very Good	L	2033	
01560	15 Sideroad	Rural	Gravel	1997	$ 15,193	$ 6,077	$ 9,116	$ -	$ -	$ -	Trafalgar Rd	0.3 km E of Trafalgar Rd	0.30	ADEQ	75	$ 319,932	$ 319,932	$ 319,932	$ -	50		Good	L	2033	34
01570	Unopened 10 Sideroad	Rural	Earth	1981	$ 802	$ 642	$ 160	$ -	$ -	$ -	5th Line	6th Line	0.20	ADEQ	35	$ 49,260	$ 119,407	$ 71,644	$ 47,763	50	0	Poor	L	2033	18
01600	Patrick Dr	Semi-Urban	HMAsphalt	2000	$ 50,550	$ 16,429	$ 34,121	$ 33,740	$ 21,931	$ 11,809	Wellington County Rd 124	Kildare Dr	0.20	6 to 10	70	$ 26,456	$ 90,575	$ 54,345	$ 36,230	50	20	Good	M	2033	37
01602	Patrick Dr	Semi-Urban	HMAsphalt	2000	$ 95,257	$ 30,959	$ 64,298	$ 59,133	$ 38,436	$ 20,697	Kildare Dr	West End Cul de Sac	0.50	ADEQ	85	$ 900	$ 178,714	$ 107,228	$ 71,486	50	20	Very Good	L		37
01605	Kildare Dr	Semi-Urban	HMAsphalt	2000	$ 57,154	$ 18,575	$ 38,579	$ 35,480	$ 23,062	$ 12,418	Patrick Dr	South End	0.30	ADEQ	75	$ 540	$ 107,228	$ 64,337	$ 42,891	50	20	Good	L		37
01607	Kerry Ct	Semi-Urban	HMAsphalt	1997	$ 25,429	$ 10,172	$ 15,257	$ 15,786	$ 12,629	$ 3,157	Kildare Dr	West End Cul de Sac	0.15	ADEQ	75	$ 270	$ 64,556	$ 38,734	$ 25,822	50	20	Good	L		34
01610	Elizabeth Cr	Semi-Urban	HMAsphalt	2001	$ 142,403	$ 42,721	$ 99,682	$ 88,994	$ 53,396	$ 35,598	Erin-East Garafraxa Townline	0.1 km S of Erin-East Garafraxa Townline	0.70	6 to 10	60	$ 68,190	$ 254,808	$ 152,885	$ 101,923	50	20	Average	M	2033	38
01612	Elizabeth Cr	Urban	HMAsphalt	2001	$ 51,206	$ 15,362	$ 35,844	$ 12,713	$ 7,628	$ 5,085	0.1 km S of Erin-East Garafraxa Townline	Erin-East Garafraxa Townline	0.10	ADEQ	85	$ 180	$ 114,425	$ 68,655	$ 45,770	50	20	Very Good	L		38
01620	Pioneer Dr	Semi-Urban	HMAsphalt	2001	$ 82,408	$ 24,722	$ 57,686	$ 48,674	$ 29,204	$ 19,470	Wellington County Rd 23	17 Sideroad	0.40	ADEQ	80	$ 720	$ 153,040	$ 91,824	$ 61,216	50	20	Good	L		38
01630	McCullough Dr	Urban	HMAsphalt	2003	$ 359,619	$ 89,905	$ 269,714	$ 106,959	$ 53,480	$ 53,480	Wellington County Rd 52	Wellington County Rd 52	0.60	ADEQ	90	$ 1,080	$ 686,549	$ 411,929	$ 274,620	50	20	Very Good	L		40
01640	Aspen Ct	Urban	HMAsphalt	2003	$ 179,809	$ 44,952	$ 134,857	$ 53,480	$ 26,740	$ 26,740	McCullough Dr	Cul de Sac	0.30	ADEQ	90	$ 540	$ 343,275	$ 205,965	$ 137,310	50	20	Very Good	L	2033	40
01700											2nd Line	North End Cul de Sac	1.00	ADEQ	100	$ -	$ 1,370,087	$ 822,052	$ 548,035	50	20	Very Good	L	2033	
01705											Stewart Dr	2nd Line	0.62	ADEQ	100	$ -	$ 849,454	$ 509,672	$ 339,782	50	20	Very Good	L	2033	
01710											Anderson Close	West End Cul de Sac	0.10	ADEQ	100	$ -	$ 114,425	$ 68,655	$ 45,770	50	20	Very Good	L	2033	
02000	March St	Semi-Urban	HMAsphalt	1975	$ 6,785	$ 6,446	$ 339	$ 4,569	$ 4,569	$ -	Main St	William St	0.10	NOW	20	$ 95,504	$ 24,552	$ 14,731	$ 9,821	50	20	Very Poor	E	2028	12
02100	Union St	Semi-Urban	HMAsphalt	1989	$ 7,229	$ 4,337	$ 2,892	$ 4,867	$ 4,867	$ -	Main St	William St	0.10	NOW	55	$ 95,504	$ 24,552	$ 14,731	$ 9,821	50	20	Average	E	2027	26
02140	24 Sideroad	Semi-Urban	SurfTreat	1998	$ 30,401	$ 11,400	$ 19,001	$ -	$ -	$ -	6th Line	0.2 km W of 6th Line	0.20	ADEQ	85	$ -	$ 70,827	$ 42,496	$ 28,331	50	7	Very Good	L	2033	35
02160	24 Sideroad	Rural	Gravel	2001	$ 18,536	$ 5,561	$ 12,975	$ -	$ -	$ -	0.2 km W of 6th Line	0.4 km W of 6th Line	0.20	ADEQ	85	$ -	$ 58,240	$ 58,240	$ -	50		Very Good	L	2033	38
02200	William St	Semi-Urban	HMAsphalt	2001	$ 25,514	$ 7,654	$ 17,860	$ 18,162	$ 10,897	$ 7,265	South End	Union St	0.20	6 to 10	70	$ 191,007	$ 59,637	$ 35,782	$ 23,855	50	20	Good	M	2033	38
02300	Charles St	Urban	HMAsphalt	1985	$ 68,583	$ 48,008	$ 20,575	$ 13,437	$ 13,437	$ -	Wellington County Rd 124	West End	0.20	NOW	40	$ 143,314	$ 228,850	$ 137,310	$ 91,540	50	20	Poor	E	2027	22
02400	Church St	Urban	HMAsphalt	1991	$ 69,925	$ 38,459	$ 31,466	$ 20,662	$ 20,662	$ -	Main St	Church Blvd	0.16	1 to 5	55	$ 53,679	$ 183,080	$ 109,848	$ 73,232	50	20	Average	H	2031	28

Town of Erin
2013 Asset Management Plan
Roads

					Road Base			Road Surface			State of the Infrastructure for Roads Report - 4 Roads Management Services Inc.											Scenario 2	
Section Number	Item Description	Roadside	Material	Year Built	Historical Cost Dec. 31, 2012	Accumulated Amortization Dec. 31, 2012	Net Book Value Dec. 31, 2012	Historical Cost Dec. 31, 2012	Accumulated Amortization Dec. 31, 2012	Net Book Value Dec. 31, 2012	From Desc	To Desc	Length	Time of Need	Ph Cond	Improvement Cost	Replacement Cost (Surface & Base)	Assumed Road Base RC	Assumed Road Surface RC	AM Useful Life (Base)	AM Useful Life (Surface)	Asset Condition	Risk of Failure	Revised Replacement Year (Improvement Costs)	Revised Remaining Useful Life
02450	Church St West	Semi-Urban	HMAsphalt	1999	$ 8,851	$ 3,098	$ 5,753	$ 5,328	$ 3,730	$ 1,598	Bend	Church Blvd	0.06	ADEQ	85	$ 99	$ 18,210	$ 10,926	$ 7,284	50	20	Very Good	L		36
02500	Church Blvd	Urban	HMAsphalt	1998	$ 40,227	$ 15,085	$ 25,142	$ 7,881	$ 5,911	$ 1,970	Church St West	North End	0.10	NOW	95	$ 71,657	$ 114,425	$ 68,655	$ 45,770	50	20	Very Good	E	2028	35
02600	Centre St	Urban	HMAsphalt	2005	$ 109,788	$ 21,958	$ 87,830	$ 21,510	$ 8,604	$ 12,906	Main St	South End	0.20	NOW	95	$ 143,314	$ 228,850	$ 137,310	$ 91,540	50	20	Very Good	E	2028	42
03000	Carberry Rd	Semi-Urban	HMAsphalt	2002	$ 42,809	$ 11,772	$ 31,037	$ 29,573	$ 16,265	$ 13,308	Dundas St West	Sunnyside Dr	0.20	ADEQ	80	$ 360	$ 79,385	$ 47,631	$ 31,754	50	20	Good	L		39
03010	Carberry Rd	Urban	HMAsphalt	2002	$ 54,583	$ 15,010	$ 39,573	$ 14,787	$ 8,133	$ 6,654	Sunnyside Dr	Cul de Sac	0.10	ADEQ	80	$ 180	$ 114,425	$ 68,655	$ 45,770	50	20	Good	L		39
03100	Sunnyside Dr	Semi-Urban	HMAsphalt	1981	$ 18,876	$ 15,101	$ 3,775	$ 13,437	$ 13,437	$ -	Carberry Rd	Main St	0.20	NOW	15	$ 191,007	$ 59,637	$ 35,782	$ 23,855	50	20	Very Poor	E	2028	18
04000	Erin Heights Dr	Urban	HMAsphalt	1997	$ 379,332	$ 151,733	$ 227,599	$ 102,763	$ 82,210	$ 20,553	8th Line	15 Sideroad	0.83	ADEQ	80	$ -	$ 1,163,132	$ 697,879	$ 465,253	50	20	Good	L	2033	34
04100	Wesley Cr	Urban	HMAsphalt	2000	$ 154,079	$ 50,076	$ 104,003	$ 41,741	$ 27,132	$ 14,609	Erin Heights Dr	Erin Heights Dr	0.30	ADEQ	80	$ 540	$ 411,026	$ 246,616	$ 164,410	50	20	Good	L		37
04200	William Rex Cr	Urban	HMAsphalt	2000	$ 231,119	$ 75,114	$ 156,005	$ 62,611	$ 40,697	$ 21,914	Erin Heights Dr	Erin Heights Dr	0.45	ADEQ	80	$ 810	$ 616,539	$ 369,923	$ 246,616	50	20	Good	L		37
04300	Delerin Cr	Urban	HMAsphalt	2000	$ 231,119	$ 75,114	$ 156,005	$ 62,611	$ 40,697	$ 21,914	Erin Heights Dr	Erin Heights Dr	0.45	ADEQ	80	$ 810	$ 616,539	$ 369,923	$ 246,616	50	20	Good	L		37
05000	Hill St	Urban	HMAsphalt	2002	$ 51,371	$ 14,127	$ 37,244	$ 12,384	$ 6,811	$ 5,573	Main St	Hillview St	0.10	6 to 10	70	$ 19,912	$ 114,425	$ 68,655	$ 45,770	50	20	Good	M	2033	39
05010	Hill St	Urban	HMAsphalt	2002	$ 51,371	$ 14,127	$ 37,244	$ 12,384	$ 6,811	$ 5,573	Hillview St	Cul de Sac	0.10	ADEQ	80	$ 180	$ 114,425	$ 68,655	$ 45,770	50	20	Good	L		39
05100	Hillview St	Urban	HMAsphalt	2001	$ 54,848	$ 16,454	$ 38,394	$ 15,438	$ 9,263	$ 6,175	Hill St	Water St	0.10	ADEQ	85	$ 180	$ 114,425	$ 68,655	$ 45,770	50	20	Very Good	L		38
05200	Water St	Urban	HMAsphalt	2002	$ 153,499	$ 42,212	$ 111,287	$ 43,205	$ 23,763	$ 19,442	Main St	Waterford Dr Cul de Sac	0.28	ADEQ	80	$ 495	$ 385,375	$ 231,225	$ 154,150	50	20	Good	L		39
05300	Mill St	Semi-Urban	HMAsphalt	1983	$ 28,824	$ 21,618	$ 7,206	$ 21,499	$ 21,499	$ -	Wellington County Rd 124	Woolen Mill Lane	0.20	NOW	30	$ 266,489	$ 103,107	$ 61,864	$ 41,243	50	20	Poor	E	2028	20
05400	Woolen Mill Lane	Semi-Urban	HMAsphalt	1979	$ 9,438	$ 8,022	$ 1,416	$ 6,718	$ 6,718	$ -	Mill St	West End	0.10	ADEQ	25	$ 110,661	$ 33,110	$ 19,866	$ 13,244	50	20	Poor	L	2033	16
05500	Millwood Rd	Semi-Urban	HMAsphalt	1981	$ 27,091	$ 21,673	$ 5,418	$ 16,930	$ 16,930	$ -	Woolen Mill Lane	Waterford Dr	0.20	NOW	20	$ 221,322	$ 68,194	$ 40,916	$ 27,278	50	20	Very Poor	E	2029	18
05600	Waterford Dr	Urban	HMAsphalt	1986	$ 108,263	$ 73,078	$ 35,185	$ 24,186	$ 24,186	$ -	Millwood Rd	Waterford Dr	0.30	NOW	15	$ 221,069	$ 343,275	$ 205,965	$ 137,310	50	20	Very Poor	E	2029	23
05610	Waterford Dr	Urban	HMAsphalt	1998	$ 192,093	$ 72,035	$ 120,058	$ 54,854	$ 41,141	$ 13,714	0.05 km N of Millwood Rd	Waterford Dr	0.40	ADEQ	90	$ 720	$ 457,699	$ 274,619	$ 183,080	50	20	Very Good	L		35
05620	Waterford Dr	Urban	HMAsphalt	1985	$ 73,253	$ 51,277	$ 21,976	$ 16,930	$ 16,930	$ -	Water St/Waterford Dr Cul de Sac	0.05 km N of Millwood Rd	0.20	NOW	20	$ 147,379	$ 228,850	$ 137,310	$ 91,540	50	20	Very Poor	E	2029	22
06000	Church St East	Urban	HMAsphalt	2002	$ 66,982	$ 18,420	$ 48,562	$ 18,853	$ 10,369	$ 8,484	Main St	Daniel St	0.12	ADEQ	75	$ 216	$ 137,310	$ 82,386	$ 54,924	50	20	Good	L		39
06010	Church St East	Semi-Urban	HMAsphalt	1996	$ 18,698	$ 7,947	$ 10,751	$ 13,946	$ 11,854	$ 2,092	Daniel St	Wheelock St	0.12	1 to 5	55	$ 25,431	$ 131,589	$ 78,953	$ 52,636	50	20	Average	H	2031	33
06100	Spring St	Urban	HMAsphalt	2000	$ 53,917	$ 17,523	$ 36,394	$ 15,827	$ 10,288	$ 5,539	Main St	Daniel St	0.10	1 to 5	55	$ 33,265	$ 114,425	$ 68,655	$ 45,770	50	20	Average	H	2031	37
06110	Spring St	Semi-Urban	HMAsphalt	1975	$ 9,935	$ 9,438	$ 497	$ 7,121	$ 7,121	$ -	Daniel St	Wheelock St	0.10	ADEQ	15	$ 95,504	$ 30,806	$ 18,484	$ 12,322	50	20	Very Poor	L	2033	12
06200	Scotch St	Semi-Urban	HMAsphalt	1998	$ 13,600	$ 5,100	$ 8,500	$ 9,930	$ 7,448	$ 2,483	Main St	Daniel St	0.10	ADEQ	75	$ 180	$ 36,858	$ 22,115	$ 14,743	50	20	Good	L		35
06210	Scotch St	Urban	HMAsphalt	1986	$ 36,626	$ 24,723	$ 11,903	$ 8,465	$ 8,465	$ -	Daniel St	Wheelock St	0.10	NOW	25	$ 117,037	$ 117,037	$ 70,222	$ 46,815	50	20	Poor	E	2028	23
06220	Scotch St	Urban	HMAsphalt	1985	$ 119,039	$ 83,327	$ 35,712	$ 32,248	$ 32,248	$ -	Wheelock St	Cross St	0.30	NOW	20	$ 221,069	$ 343,275	$ 205,965	$ 137,310	50	20	Very Poor	E	2029	22
06230	Scotch St	Urban	HMAsphalt	1989	$ 43,231	$ 25,939	$ 17,292	$ 12,168	$ 12,168	$ -	Cross St	Cul de Sac	0.10	1 to 5	50	$ 31,561	$ 114,425	$ 68,655	$ 45,770	50	20	Average	H	2031	26
06300	English St	Semi-Urban	HMAsphalt	1977	$ 16,058	$ 14,452	$ 1,606	$ 11,153	$ 11,153	$ -	Main St	Daniel St	0.10	NOW	15	$ 110,661	$ 40,680	$ 24,408	$ 16,272	50	20	Very Poor	E	2030	14
06400	Wheelock St	Urban	HMAsphalt	1985	$ 158,719	$ 111,103	$ 47,616	$ 42,998	$ 42,998	$ -	Erindale Dr	Scotch St	0.40	NOW	20	$ 294,758	$ 457,699	$ 274,619	$ 183,080	50	20	Very Poor	E	2030	22
06410	Wheelock St	Semi-Urban	HMAsphalt	1996	$ 13,166	$ 5,596	$ 7,570	$ 9,095	$ 7,731	$ 1,364	Scotch St	Dead End	0.10	ADEQ	50	$ 33,110	$ 33,110	$ 19,866	$ 13,244	50	20	Average	L	2033	33
06420	Wheelock St	Urban	HMAsphalt	1981	$ 39,680	$ 31,744	$ 7,936	$ 10,749	$ 10,749	$ -	Church St East	Dead End	0.10	NOW	35	$ 73,690	$ 114,425	$ 68,655	$ 45,770	50	20	Poor	E	2028	18
06500	Erindale Dr	Urban	HMAsphalt	1981	$ 119,039	$ 95,231	$ 23,808	$ 32,248	$ 32,248	$ -	Wheelock St	0.08 km W of Cross St	0.30	NOW	15	$ 221,069	$ 343,275	$ 205,965	$ 137,310	50	20	Very Poor	E	2029	18
06510	Erindale Dr	Urban	HMAsphalt	1995	$ 76,373	$ 34,368	$ 42,005	$ 21,496	$ 19,346	$ 2,150	Dundas St East	0.08 km W of Cross St	0.17	6 to 10	60	$ 39,034	$ 194,522	$ 116,713	$ 77,809	50	20	Average	M	2033	32
06600	Cross St	Urban	HMAsphalt	1982	$ 39,680	$ 30,752	$ 8,928	$ 10,749	$ 10,749	$ -	Erindale Dr	Scotch St	0.10	1 to 5	40	$ 31,068	$ 140,773	$ 84,464	$ 56,309	50	20	Poor	H	2031	19
06700	Erinlea Cr	Urban	HMAsphalt	1988	$ 24,886	$ 15,554	$ 9,332	$ 7,256	$ 7,256	$ -	Scotch St	0.06 km E of Scotch St	0.06	NOW	25	$ 44,214	$ 68,655	$ 41,193	$ 27,462	50	20	Poor	E	2029	25
06710	Erinlea Cr	Urban	HMAsphalt	1997	$ 233,685	$ 93,474	$ 140,211	$ 65,774	$ 52,619	$ 13,155	0.06 km E of Scotch St	Dundas St East	0.50	ADEQ	75	$ 114,806	$ 572,124	$ 343,274	$ 228,850	50	20	Good	L	2033	34
06800	Tomwell Cr	Urban	HMAsphalt	1985	$ 79,360	$ 55,552	$ 23,808	$ 21,499	$ 21,499	$ -	Dundas St East	Dundas St East	0.20	NOW	15	$ 147,379	$ 228,850	$ 137,310	$ 91,540	50	20	Very Poor	E	2029	22
07000	Pine St	Semi-Urban	HMAsphalt	2005	$ 24,767	$ 4,953	$ 19,814	$ 14,411	$ 5,764	$ 8,647	Main St	Daniel St	0.10	6 to 10	95	$ -	$ 35,414	$ 21,248	$ 14,166	50	20	Very Good	M		42
07010	Pine St	Semi-Urban	HMAsphalt	2005	$ 24,767	$ 4,953	$ 19,814	$ 14,411	$ 5,764	$ 8,647	Daniel St	May St	0.10	1 to 5	40	$ 35,414	$ 35,414	$ 21,248	$ 14,166	50	20	Poor	H	2031	42
07100	Lorne St	Semi-Urban	HMAsphalt	2005	$ 19,621	$ 3,924	$ 15,697	$ 14,411	$ 5,764	$ 8,647	Main St	Daniel St	0.10	6 to 10	85	$ -	$ 35,414	$ 21,248	$ 14,166	50	20	Very Good	M		42
07150	Unopened Road Allowance	Rural	Earth		$ -	$ -	$ -	$ -	$ -	$ -	Main St	Daniel St	0.12	ADEQ	0	$ -	$ 29,556	$ 17,734	$ 11,822	50	20	Very Poor	L		
07200	Ross St	Semi-Urban	HMAsphalt	2005	$ 19,621	$ 3,924	$ 15,697	$ 14,411	$ 5,764	$ 8,647	Main St	Daniel St	0.10	6 to 10	85	$ -	$ 35,414	$ 21,248	$ 14,166	50	20	Very Good	M		42
07300	May St	Semi-Urban	HMAsphalt	2005	$ 24,767	$ 4,953	$ 19,814	$ 14,411	$ 5,764	$ 8,647	Pine St	North End	0.10	NOW	30	$ 16,841	$ 35,414	$ 21,248	$ 14,166	50	20	Poor	E	2029	42
07400	Boland Dr	Urban	HMAsphalt	2001	$ 54,848	$ 16,454	$ 38,394	$ 15,438	$ 9,263	$ 6,175	Dundas St East	West End (school)	0.10	6 to 10	70	$ 22,961	$ 114,425	$ 68,655	$ 45,770	50	20	Good	M	2033	38
07500	Erinville Dr	Semi-Urban	HMAsphalt	1998	$ 36,838	$ 13,814	$ 23,024	$ 21,122	$ 15,842	$ 5,281	Wellington County Rd 124	Thompson Cr	0.20	1 to 5	55	$ 35,235	$ 76,520	$ 45,912	$ 30,608	50	20	Average	H	2031	35
07510	Erinville Dr	Semi-Urban	HMAsphalt	1995	$ 69,534	$ 31,290	$ 38,244	$ 39,869	$ 35,882	$ 3,987	Thompson Cr	Erin Park Dr	0.40	1 to 5	40	$ 69,863	$ 184,273	$ 110,564	$ 73,709	50	20	Poor	H	2031	32
07520	Thompson Cr	Semi-Urban	HMAsphalt	1980	$ 109,909	$ 90,675	$ 19,234	$ 63,018	$ 63,018	$ -	Erinville Dr	Erin Park Dr	0.70	NOW	5	$ 122,261	$ 322,477	$ 193,486	$ 128,991	50	20	Very Poor	E	2029	17
07530	Erin Park Dr	Semi-Urban	HMAsphalt	1984	$ 31,402	$ 22,766	$ 8,636	$ 18,005	$ 18,005	$ -	Wellington County Rd 124	Thompson Cr	0.20	NOW	5	$ 34,932	$ 92,136	$ 55,282	$ 36,854	50	20	Very Poor	E	2029	21
07540	Erin Park Dr	Semi-Urban	HMAsphalt	2000	$ 101,615	$ 33,025	$ 68,590	$ 58,263	$ 37,871	$ 20,392	Thompson Cr	Cul de Sac	0.50	1 to 5	40	$ 84,557	$ 191,300	$ 114,780	$ 76,520	50	20	Poor	H	2031	37
09000	Barbour Dr	Rural	HMAsphalt	1998	$ 142,397	$ 53,399	$ 88,998	$ 84,488	$ 63,366	$ 21,122	Orangeville St	Cul de Sac	0.80	ADEQ	80	$ 1,440	$ 341,128	$ 204,677	$ 136,451	50	20	Good	L		35
09010	Wallace St	Semi-Urban	HMAsphalt	1998	$ 32,978	$ 12,367	$ 20,611	$ 19,467	$ 14,600	$ 4,867	Howe St	Barbour Ave	0.19	ADEQ	80	$ 342	$ 79,512	$ 47,707	$ 31,805	50	20	Good	L		35
09020	Hill St	Semi-Urban	HMAsphalt	1998	$ 41,656	$ 15,621	$ 26,035	$ 24,590	$ 18,443	$ 6,148	Barbour Dr	Howe St	0.24	ADEQ	75	$ 432	$ 100,436	$ 60,262	$ 40,174	50	20	Good	L		35
09030	Howe St	Semi-Urban	HMAsphalt	1998	$ 54,673	$ 20,502	$ 34,171	$ 32,274	$ 24,206	$ 8,069	Main St	Wallace Ave	0.32	ADEQ	80	$ 567	$ 131,822	$ 79,093	$ 52,729	50	20	Good	L		35
10000	Dundas St West	Rural	HMAsphalt	1986	$ 62,782	$ 42,378	$ 20,404	$ 33,390	$ 33,390	$ -	Creek	Erin Heights Dr	0.36	NOW	30	$ 157,243	$ 159,492	$ 95,695	$ 63,797	50	20	Poor	E	2016	23
11000	Dundas St West	Urban	HMAsphalt	2001	$ 226,867	$ 68,060	$ 158,807	$ 64,784	$ 38,870	$ 25,914	Main St	Creek	0.41	ADEQ	75	$ 738	$ 479,852	$ 287,911	$ 191,941	50	20	Good	L		38
12000	Dundas St East	Urban	HMAsphalt	1998	$ 54,742	$ 20,528	$ 34,214	$ 15,408	$ 11,556	$ 3,852	Main St	Daniel St	0.12	ADEQ	80	$ 207	$ 134,593	$ 80,756	$ 53,837	50	20	Good	L		35
13000	Dundas St East	Urban	HMAsphalt	1997	$ 238,359	$ 95,344	$ 143,015	$ 67,090	$ 53,672	$ 13,418	Daniel St	Erinlea Cr	0.51	ADEQ	75	$ 918	$ 596,889	$ 358,133	$ 238,756	50	20	Good	L		34
14900	Daniel St	Semi-Urban	HMAsphalt	2004	$ 27,953	$ 6,289	$ 21,664	$ 20,532	$ 9,239	$ 11,293	Ross St	Pine St	0.15	6 to 10	85	$ -	$ 53,121	$ 31,873	$ 21,248	50	20	Very Good	M		41
15000	Daniel St	Semi-Urban	HMAsphalt	2004	$ 55,907	$ 12,579	$ 43,328	$ 41,064	$ 18,479	$ 22,585	Pine St	Dundas St East	0.30	6 to 10	80	$ -	$ 106,241	$ 63,745	$ 42,496	50	20	Good	M		41
16000	Daniel St	Semi-Urban	HMAsphalt	1986	$ 45,996	$ 31,047	$ 14,949	$ 28,446	$ 28,446	$ -	Dundas St East	Scotch St	0.37	NOW	25	$ 403,912	$ 120,851	$ 72,511	$ 48,340	50	20	Poor	E	2030	23
17000	Daniel St	Semi-Urban	HMAsphalt	1985	$ 50,406	$ 35,284	$ 15,122	$ 31,173	$ 31,173	$ -	Scotch St	0.150 km S of church St East	0.40	NOW	20	$ 442,643	$ 132,439	$ 79,463	$ 52,976	50	20	Very Poor	E	2031	22
60010	Scott Cr	Semi-Urban	Earth	1979	$ 1,075	$ 914	$ 161	$ -	$ -	$ -								$ -	$ -	50		Very Poor	L		16
60020	Roman Blvd	Semi-Urban	Gravel	1997	$ 13,498	$ 5,399	$ 8,099	$ -	$ -	$ -	Wellington County Rd 22	Hilltop Rd	0.30	NOW	75	$ 89,455	$ 89,455	$ 89,455	$ -	50		Good	E	2029	34
60030	Hilltop Rd	Semi-Urban	Gravel	1997	$ 8,999	$ 3,600	$ 5,399	$ -	$ -	$ -	Wellington County Rd 22	Roman Blvd	0.20	NOW	75	$ 59,637	$ 59,637	$ 59,637	$ -	50		Good	E	2029	34
60040	Maple Cr	Semi-Urban	Gravel	1997	$ 5,399	$ 2,160	$ 3,239	$ -	$ -	$ -	Roman Blvd	Hilltop Rd	0.12	NOW	75	$ 35,782	$ 35,782	$ 35,782	$ -	50		Good	E	2029	34

Structure ID		Item Description	Bridge / Culvert Type	Roadside	Year Built	Historical Cost Dec. 31, 2012	Accumulated Amortization Dec. 31, 2012	Net Book Value Dec. 31, 2012	Useful Life	Remaining Useful Life	Age	Replacement Cost (2013$) Inflated HC	Inspection Report: Road Name	Structure Location	Rehab Costs <1 Years	Rehab Costs 1-5 Years	Associated Work Cost	BCI	Replacement Value (1.65 x OSIM Value per Staff)	Replacement Value (2013 OSIM Structure Inspections Summary Report)	Asset Condition (Based on BCI)	Probability of Failure	Consequence of Risk	Risk of Failure	Scenario 2: Revised Replacement Year	Scenario 2: Revised Remaining Useful Life
					Bridge	$ 710,146	$ 305,004	$ 405,142				$ 5,004,507			$ 18,000	$ 283,600	$ 435,900		$ 8,582,492	$ 5,201,510						
					Culvert	$ 3,805,632	$ 1,563,834	$ 2,241,798				$ 12,249,629			$ 76,500	$ 393,500	$ 1,676,000		$ 18,522,692	$ 11,225,874						
12	Bridge	Bridge 12	Rigid Frame	Rural	2001	$ 533,082	$ 127,940	$ 405,142	50	38	12	$ 824,807	Sideroad 17	0.2 km East of Third Line	$ -	$ -	$ 56,500	95.2	$ 1,046,866	$ 634,464	Very Good	Rare	Moderate	M	2051	38
2	Bridge	Bridge 2	Precast Girder	Rural	1910	$ 10,800	$ 10,800	$ -	45	0	103	$ 531,780	10th Line	1.5km South of 15th sideroad	$ -	$ 41,000	$ 19,000	67.5	$ 953,873	$ 578,105	Poor	Likely	Moderate	H		
3	Bridge	Bridge 3	Precast Girder	Rural	1920	$ 20,130	$ 20,130	$ -	45	0	93	$ 488,383	1st Line	6.1 km North of Sideroad 32	$ 9,000	$ 71,000	$ 39,000	71	$ 902,294	$ 546,845	Average	Possible	Moderate	M	2029	16
5	Bridge	Bridge 5	Precast Girder	Rural	1920	$ 11,178	$ 11,178	$ -	45	0	93	$ 271,198	2nd Line	1.2 km South of Erin-Garafraxa Town Line	$ -	$ 40,500	$ 36,000	66	$ 483,206	$ 292,852	Poor	Likely	Moderate	H	2019	6
6	Bridge	Bridge 6	Precast Girder	Rural	1920	$ 12,816	$ 12,816	$ 0	45	0	93	$ 310,944	3rd Line	1.5 km North of Wellington Rd. 124	$ -	$ 14,000	$ 4,400	75.7	$ 745,637	$ 451,901	Average	Possible	Moderate	M	2031	18
7	Bridge	Bridge 7	Precast Girder	Rural	1925	$ 11,299	$ 11,299	$ -	45	0	88	$ 339,537	3rd Line	2.1 km North of Sideroad 27	$ -	$ 13,000	$ 110,000	69	$ 794,322	$ 481,407	Poor	Likely	Moderate	H	2023	10
9	Bridge	Bridge 9	Precast Girder	Rural	1930	$ 17,270	$ 17,270	$ -	45	0	83	$ 501,868	8th Line	0.2 km South of Sideroad 17	$ -	$ 24,000	$ 101,000	70.2	$ 794,439	$ 481,478	Average	Possible	Moderate	M	2035	22
11	Bridge	Bridge 11	Precast Girder	Rural	1920	$ 18,040	$ 18,040	$ -	45	0	93	$ 437,686	8th Line	0.1 km North of Sideroad 17	$ -	$ 13,500	$ 26,000	80.4	$ 687,496	$ 416,664	Good	Unlikely	Moderate	M	2035	22
15	Bridge	Bridge 15	Precast Girder	Urban	1964	$ 52,882	$ 52,882	$ 0	45	0	49	$ 578,063	Charles Street	0.1 km West of Main St.	$ -	$ -	$ -	69.1	$ 706,764	$ 428,342	Poor	Likely	Moderate	H	2033	20
1	Bridge	Bridge 1	Rigid Frame	Rural	1930	$ 11,914	$ 11,914	$ -	50	0	83	$ 346,229	Winston Churchill Blvd	0.1 km North of Sideroad 27	$ -	$ 48,600	$ 20,000	61.5	$ 549,183	$ 332,838	Poor	Likely	Moderate	H	2016	3
2064	Bridge	Bridge 2064	Rigid Frame	Rural	1917	$ 10,734	$ 10,734	$ -	50	0	96	$ 374,011	Station Road	0.2 km West of Wellington Rd. 24	$ 9,000	$ 18,000	$ 24,000	68.6	$ 713,500	$ 432,424	Poor	Likely	Moderate	H	2014	1
2040	Culvert	Culvert 2040	Concrete	Rural	2003	$ 188,136	$ 37,627	$ 150,509	50	40	10	$ 275,812	4th Line	1.1 km South of Erin-Garafraxa Townline	$ -	$ -	$ -	95.5	$ 452,044	$ 273,966	Very Good	Rare	Minor	L	2053	40
2010	Culvert	Culvert 2010	Steel	Rural	2006	$ 517,299	$ 90,527	$ 426,771	40	33	7	$ 633,325	15th Sideroad	0.7 km West of Winston Churchill Blvd. (Wellin	$ -	$ -	$ -	95.5	$ 649,176	$ 393,440	Very Good	Rare	Minor	L	2046	33
2067	Culvert	Culvert 2067	Steel	Rural	2000	$ 130,936	$ 42,554	$ 88,382	40	27	13	$ 211,561	East Garafraxa Erin Townline	0.01 km East of Second Line	$ -	$ -	$ -	92.6	$ 499,595	$ 302,785	Very Good	Rare	Minor	L	2040	27
2046	Culvert				2006	$ -	$ -	$ -	50	43	7	$ -	5th Line	1.6 km South of Sideroad 17	$ -	$ -	$ 242,000	100	$ 706,019	$ 427,890	Very Good	Rare	Minor	L	2056	43
2027	Culvert	Culvert 2027	Concrete	Rural	1940	$ 6,284	$ 6,284	$ -	50	0	73	$ 192,923	Sideroad 32	0.4 km West of Sixth Line	$ -	$ 18,000	$ 116,000	59.7	$ 417,320	$ 252,921	Very Poor	Almost Certain	Minor	H	2025	12
2045	Culvert	Culvert 2045	Concrete	Rural	1950	$ 13,762	$ 13,762	$ -	50	0	63	$ 242,947	4th Line	0.8 km South of Sideroad 17	$ -	$ 40,000	$ 121,000	57.1	$ 432,614	$ 262,190	Very Poor	Almost Certain	Minor	H	2015	2
2051	Culvert	Culvert 2051	Concrete	Rural	1920	$ 14,474	$ 14,474	$ 0	50	0	93	$ 351,154	8th Line	1.8 km North of Wellington Rd 22	$ -	$ 80,000	$ 47,000	55.9	$ 425,783	$ 258,050	Very Poor	Almost Certain	Minor	H	2032	19
2061	Culvert	Culvert 2061	Concrete	Semi-Urban	1930	$ 6,357	$ 6,357	$ -	50	0	83	$ 184,733	Station Road (Sideroad 24)	0.4 km East of Fifth Line	$ 73,500	$ 22,500	$ 57,000	50.2	$ 418,820	$ 253,830	Very Poor	Almost Certain	Minor	H	2015	2
4	Culvert	Culvert 4	Concrete	Rural	1985	$ 649,460	$ 363,697	$ 285,762	50	22	28	$ 1,728,056	1st Line	4.5 km North of Wellington Rd 22	$ -	$ -	$ -	75	$ 1,016,077	$ 615,804	Average	Possible	Minor	M	2035	22
8	Culvert	Culvert 8	Concrete	Rural	1960	$ 35,453	$ 35,453	$ 0	50	0	53	$ 427,946	4th Line	0.1 km South of Wellington Rd 22	$ -	$ -	$ -	74.9	$ 468,648	$ 284,029	Average	Possible	Minor	M	2034	21
13	Culvert	Culvert 13	Concrete	Rural	1976	$ 204,078	$ 151,018	$ 53,060	50	13	37	$ 989,673	Dundas St. West	0.4 km West of Main St.	$ -	$ -	$ 91,000	74.7	$ 551,864	$ 334,463	Average	Possible	Minor	M	2027	14
14	Culvert	Culvert 14	Concrete	Semi-Urban	1930	$ 6,944	$ 6,944	$ -	50	0	83	$ 201,788	Church Street	0.3 km West of Main St.	$ -	$ 21,000	$ 11,000	69.8	$ 493,751	$ 299,243	Poor	Likely	Minor	M	2034	21
2002	Culvert	Culvert 2002	Concrete	Rural	1990	$ 203,943	$ 93,814	$ 110,129	50	27	23	$ 390,526	Winston Churchill Blvd	1.1 km North of Sideroad 27	$ -	$ -	$ -	74.8	$ 572,972	$ 347,256	Average	Possible	Minor	M	2040	27
2005	Culvert	Culvert 2005	Concrete	Rural	1965	$ 29,582	$ 28,399	$ 1,183	50	2	48	$ 309,016	10th Line	1.4 km North of Wellington Rd. 124	$ -	$ -	$ -	73.2	$ 479,502	$ 290,607	Average	Possible	Minor	M	2034	21
2011	Culvert	Culvert 2011	Concrete	Rural	1988	$ 163,166	$ 81,583	$ 81,583	50	25	25	$ 341,240	10th Line	0.2 km South of Sideroad 15	$ -	$ 12,000	$ -	74.2	$ 687,316	$ 416,555	Average	Possible	Minor	M	2038	25
2018	Culvert	Culvert 2018	Concrete	Rural	1930	$ 6,406	$ 6,406	$ -	50	0	83	$ 186,149	1st Line	5.0 km North of Sideroad 32	$ -	$ -	$ 112,000	63.6	$ 399,521	$ 242,134	Poor	Likely	Minor	M	2034	21
2019	Culvert	Culvert 2019	Concrete	Rural	1960	$ 14,853	$ 14,853	$ -	50	0	53	$ 179,295	3rd Line	1.2 km South of Hwy 124	$ -	$ -	$ 112,000	73.1	$ 387,529	$ 234,866	Average	Possible	Minor	M	2034	21
2023	Culvert	Culvert 2023	Concrete	Rural	1965	$ 27,965	$ 26,846	$ 1,119	50	2	48	$ 292,123	5th Lne	South of Sideroad 10	$ -	$ -	$ -	74.4	$ 428,952	$ 259,971	Average	Possible	Minor	M	2034	21
2026	Culvert	Culvert 2026	Concrete	Rural	1990	$ 125,072	$ 57,533	$ 67,539	50	27	23	$ 239,498	Sideroad 32	0.3 km East of Sixth Line	$ -	$ -	$ -	81.8	$ 443,240	$ 268,630	Good	Unlikely	Minor	M	2040	27
2033	Culvert	Culvert 2033	Concrete	Rural	1930	$ 6,157	$ 6,157	$ -	50	0	83	$ 178,925	1st Line	0.3 km South of Sideroad 17	$ -	$ -	$ 53,000	70	$ 376,505	$ 228,185	Poor	Likely	Minor	M	2034	21
2039	Culvert	Culvert 2039	Concrete	Rural	1970	$ 35,051	$ 30,143	$ 4,907	50	7	43	$ 269,032	3rd Line	0.6 km North of Sideroad 27	$ -	$ -	$ -	72.8	$ 512,840	$ 310,812	Average	Possible	Minor	M	2034	21
2042	Culvert	Culvert 2042	Concrete	Rural	2006	$ 65,341	$ 9,148	$ 56,194	50	43	7	$ 79,997	Fourth Line	0.1 km North of Station Rd. (Sideroad 24)	$ -	$ -	$ -	73.5	$ 409,370	$ 248,103	Average	Possible	Minor	M	2056	43
2048	Culvert	Culvert 2048	Concrete	Semi-Urban	2006	$ 65,341	$ 9,148	$ 56,194	50	43	7	$ 79,997	5th Line	0.5 km South of Sideroad 24	$ -	$ -	$ 111,500	72.7	$ 502,196	$ 304,361	Average	Possible	Minor	M	2056	43
2052	Culvert	Culvert 2052	Concrete	Rural	1910	$ 4,138	$ 4,138	$ -	50	0	103	$ 203,760	8th Line	0.1 km South of Erin-Garafraxa Town Line	$ -	$ 75,000	$ 39,000	70.7	$ 382,729	$ 231,957	Average	Possible	Minor	M	2034	21
2053	Culvert	Culvert 2053	Concrete	Rural	1950	$ 12,678	$ 12,678	$ -	50	0	63	$ 223,821	27th Sideroad	1.2 km East of Ninth Line	$ -	$ 5,000	$ 112,500	71.4	$ 410,678	$ 248,896	Average	Possible	Minor	M	2034	21
2055	Culvert	Culvert 2055	Concrete	Rural	1950	$ 15,694	$ 15,694	$ -	50	0	63	$ 277,057	17th Sideroad	0.6 km East of Fifth Line	$ -	$ -	$ -	74.8	$ 506,274	$ 306,833	Average	Possible	Minor	M	2034	21
2057	Culvert	Culvert 2057	Concrete	Rural	1945	$ 6,845	$ 6,845	$ -	50	0	68	$ 177,705	17th Sideroad	0.1 km East of First Line	$ -	$ 8,000	$ 114,500	63.4	$ 366,069	$ 221,860	Poor	Likely	Minor	M	2034	21
2059	Culvert	Culvert 2059	Concrete	Rural	1930	$ 6,389	$ 6,389	$ -	50	0	83	$ 185,654	Station Road (Sideroad 24)	1.3 km West of Fifth Line	$ -	$ 75,000	$ 39,000	68	$ 428,743	$ 259,844	Poor	Likely	Minor	M	2034	21
2060	Culvert	Culvert 2060	Concrete	Semi-Urban	1960	$ 15,530	$ 15,530	$ -	50	0	53	$ 187,460	Station Road (Sideroad 24)	0.2 km East of Fifth Line	$ -	$ 10,000	$ 114,500	70	$ 423,905	$ 256,912	Poor	Likely	Minor	M	2034	21
2066	Culvert	Culvert 2066	Concrete	Rural	1970	$ 35,232	$ 30,300	$ 4,933	50	7	43	$ 270,427	Erin - Garafraxa Townline	1.3 km East of Wellington Rd 24	$ 3,000	$ 11,000	$ -	69.8	$ 474,586	$ 287,628	Poor	Likely	Minor	M	2034	21
2068	Culvert	Culvert 2068	Concrete	Rural	1960	$ 16,700	$ 16,700	$ -	50	0	53	$ 201,589	Erin - Garafraxa Townline	0.5 km East of First Line	$ -	$ -	$ 111,500	70	$ 426,410	$ 258,430	Poor	Likely	Minor	M	2034	21
2072	Culvert	Culvert 2072	Concrete	Rural	1970	$ 39,317	$ 33,813	$ 5,504	50	7	43	$ 301,782	East Garafraxa Erin Townline	0.8 km East of Third Line	$ -	$ 16,000	$ 16,500	70.2	$ 495,724	$ 300,439	Average	Possible	Minor	M	2034	21
2082	Culvert	Culvert 2082	Concrete	Rural	1970	$ 40,995	$ 35,256	$ 5,739	50	7	43	$ 314,661	9th Line	0.8 km South of Erin-Garafraxa Town Line	$ -	$ -	$ -	74.7	$ 574,528	$ 348,199	Average	Possible	Minor	M	2034	21
2071	Culvert	Culvert 2071	Precast Girder	Semi-Urban	1996	$ 158,118	$ 53,760	$ 104,358	50	33	17	$ 293,115	East Garafraxa Erin Townline	0.1 km East of Third Line	$ -	$ -	$ -	89.5	$ 397,074	$ 240,651	Good	Unlikely	Minor	M	2046	33
10	Culvert	Culvert 10	Steel	Rural	1970	$ 82,419	$ 82,419	$ -	40	0	43	$ 632,615	17th Sideroad	0.1 km west of 8th Line	$ -	$ -	$ 55,000	67.3	$ 681,358	$ 412,944	Poor	Likely	Minor	M	2034	21
2009	Culvert	Culvert 2009	Steel	Rural	2006	$ 517,299	$ 90,527	$ 426,771	40	33	7	$ 633,325	15th Sideroad	1.0 km North of Winston Churchill Blvd. (Wellin	$ -	$ -	$ -	89.5	$ 667,088	$ 404,296	Good	Unlikely	Minor	M	2046	33
16	Culvert	Culvert 16	Concrete	Semi-Urban	2009	$ 338,216	$ 27,057	$ 311,159	50	46	4	$ 360,942	Mill Street	0.1 km East of Main St.	$ -	$ -	$ -	82	$ 555,875	$ 336,894	Good	Unlikely	Minor	M	2059	46
16P	Bridge				2009	$ -	$ -	$ -	50	46	4	$ -	Mill Street	0.1 km East of Main Street	$ -	$ -	$ -	85.9	$ 204,914	$ 124,190	Good	Unlikely	Moderate	M	2059	46

Town of Erin
2013 Asset Management Plan
Facilities (Tax Supported)

Scenario 2

Bilding	Component Category	Component Description	Year Acquired	Historical Cost	Accumulated Ammortization	Net Book Value	Projected Service Life	Remaining Service Life	Estimated Age	Major Repair/ Replacement Cost	Total Replacement Cost	Condition Rating (Age Based)	Asset Condition	Probability of Failure	Consequence of Failure	Risk of Failure	Revised Replacement Year	Revised Remaining Useful Life
Erin Fire Hall	Exterior Cladding and Roofing	Metal Siding	1985				50	22	28	$ 18,800		2	Average	Possible	Major	H	2035	22
Erin Fire Hall	Exterior Cladding and Roofing	Metal Roofing	1985				35	7	28	$ 10,400		1	Poor	Likely	Major	H	2020	7
Erin Fire Hall	Interior Works	Ceramic Tile Flooring	1985				30	2	28	$ 28,900		0	Very Poor	Almost Certain	Major	E	2015	2
Erin Fire Hall	Interior Works	Millwork Allowance	1985				30	2	28	$ 10,000		0	Very Poor	Almost Certain	Major	E	2015	2
Erin Fire Hall	Mechanical/Electrical	Radiant Tube Heaters	2011				28	26	2	$ 10,000		5	Very Good	Rare	Major	M	2039	26
Erin Fire Hall	Mechanical/Electrical	Emergency Generator Set	2009				30	26	4	$ 96,800		4	Good	Unlikely	Major	M	2039	26
Erin Fire Hall	Mechanical/Electrical	HVAC & Hot Water Tank	2003				20	10	10	$ 14,800		3	Average	Possible	Major	H	2023	10
Hillsburgh Fire Hall - Total			**1970**	**$ 83,146**	**$ 83,146**	**$ 0**	**40**	**0**	**43**		**$ 2,217,000**							
Hillsburgh Fire Hall	Structure	Structure	2012				100	99	1	$ 1,611,500		5	Very Good	Rare	Major	M	2112	99
Hillsburgh Fire Hall	Doors and Windows	Overhead Doors	2012				20	19	1	$ 22,000		5	Very Good	Rare	Major	M	2032	19
Hillsburgh Fire Hall	Doors and Windows	Hollow Metal Doors	2012				30	29	1	$ 34,800		5	Very Good	Rare	Major	M	2042	29
Hillsburgh Fire Hall	Doors and Windows	Aluminum Doors	2012				30	29	1	$ 29,300		5	Very Good	Rare	Major	M	2042	29
Hillsburgh Fire Hall	Doors and Windows	Aluminum Windows	2012				30	29	1	$ 22,000		5	Very Good	Rare	Major	M	2042	29
Hillsburgh Fire Hall	Exterior Cladding and Roofing	Metal Siding	2012				50	49	1	$ 181,000		5	Very Good	Rare	Major	M	2062	49
Hillsburgh Fire Hall	Exterior Cladding and Roofing	Metal Roofing	2012				35	34	1	$ 31,600		5	Very Good	Rare	Major	M	2047	34
Hillsburgh Fire Hall	Exterior Cladding and Roofing	Flat Roofing (TPO)	2012				25	24	1	$ 20,300		5	Very Good	Rare	Major	M	2037	24
Hillsburgh Fire Hall	Interior Finishes	Porcelain Tile Flooring	2012				30	29	1	$ 39,300		5	Very Good	Rare	Major	M	2042	29
Hillsburgh Fire Hall	Interior Finishes	Paint	2012				10	9	1	$ 20,000		5	Very Good	Rare	Major	M	2022	9
Hillsburgh Fire Hall	Interior Finishes	Millwork Allowance	2012				30	29	1	$ 10,000		5	Very Good	Rare	Major	M	2042	29
Hillsburgh Fire Hall	Mechanical/Electrical	Elevator	2012				50	49	1	$ 115,800		5	Very Good	Rare	Major	M	2062	49
Hillsburgh Fire Hall	Mechanical/Electrical	Lighting	2012				30	29	1	$ 19,400		5	Very Good	Rare	Major	M	2042	29
Hillsburgh Fire Hall	Mechanical/Electrical	HVAC	2012				18	17	1	$ 60,000		5	Very Good	Rare	Major	M	2030	17
Ballinafad Community Centre - Pavilion			1999				35	21	14	$ 24,700	$ 24,700	3	Average	Possible	Insignificant	L	2034	21
Ballinafad Community Centre - Storage Shed			2003				35	25	10	$ 19,800	$ 19,800	4	Good	Unlikely	Insignificant	L	2038	25
Ballinafad Community Centre - Community Centre			1974	$ 203,289	$ 151,212	$ 52,077	100	61	39	$ 789,600	$ 789,600	3	Average	Possible	Minor	M	2074	61
Victoria Park Booth			1974	$ 28,638	$ 23,470	$ 5,169	50	11	39	$ 85,600	$ 85,600	1	Poor	Likely	Insignificant	M	2024	11
Barbour Field - Pavilion			1996	$ 74,665	$ 29,866	$ 44,799	50	33	17	$ 218,800	$ 218,800	3	Average	Possible	Insignificant	L	2046	33
McMillan Park - Pavilion			2008	$ 155,570	$ 15,557	$ 140,013	50	45	5	$ 41,800	$ 41,800	5	Very Good	Rare	Insignificant	L	2058	45
Roads Cold Storage - Sand Dome			1983	$ 173,622	$ 130,216	$ 43,405	40	10	30	$ 141,000	$ 141,000	1	Poor	Likely	Moderate	H	2023	10
Roads Cold Storage - Municipal Garage			1991	$ 84,894	$ 44,569	$ 40,325	60	38	22	$ 200,000	$ 200,000	3	Average	Possible	Moderate	M	2051	38

Notes:
Year Acquired for structure has been estimated to be the year of acquisition of the oldest component.

Town Office - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																			
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
1	**Town Office**																							
1.1	**Doors and Windows**																							
1.1.1	Vinyl Windows	**25**	**19**	**$ 58,200**							**$ 58,200**													
1.1.2	Entrance Doors and Rear Exit Doors Allowance	**35**	**19**	**$ 10,000**																**$ 10,000**				
1.2	**Exterior Cladding and Roofing**				$ -																			
1.2.1	Sloped Roofing - Shingles	**20**	**19**	**$ 22,000**				**$ 22,000**																
1.3	**Interior Finishes**				$ -																			
1.3.1	Vinyl Tile Composite Flooring	**30**	**17**	**$ 16,300**														**$ 16,300**						
1.3.2	Carpet	**20**	**17**	**$ 32,400**						**$ 32,400**														
1.3.3	Paint	**10**	**17**	**$ 16,000**								**$ 16,000**						**$ 16,000**						
1.3.4	Hollow Core Wood Doors & Sidelites	**35**	**17**	**$ 41,600**																			**$ 41,600**	
1.3.5	Millwork Allowance	**30**	**17**	**$ 86,400**														**$ 86,400**						
1.4	**Mechanical/Electrical**				$ -																			
1.4.1	Plumbing Fixtures Allowance	**30**	**17**	**$ 10,000**														**$ 10,000**						
1.4.2	Emergency Generator Set	**25**	**3**	**$ 94,000**																				
1.4.2	Interior Lighting Allowance	**30**	**17**	**$ 94,100**														**$ 94,100**						
1.4.3	HVAC & Hot Water Tank	**20**	**19**	**$ 30,000**		**$ 30,000**																		
TOTALS (non-factored)				$ 511,000	$ -	$ 30,000	$ -	$ 22,000	$ -	$ 32,400	$ 58,200	$ 16,000	$ -	$ -	$ -	$ -	$ -	$ 222,800	$ -	$ -	$ 10,000	$ -	$ 41,600	$ -	$ -
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ 30,900	$ -	$ 24,040	$ -	$ 37,560	$ 69,494	$ 19,678	$ -	$ -	$ -	$ -	$ -	$ 327,189	$ -	$ -	$ 16,047	$ -	$ 70,821	$ -	$ -

Length of Projection (years)	**30**
Approximate Total GFA	**11,522**
Opinion of Cost for Complete Demolition and Replacement	**$ 3,260,000**
Opinion of Total Useful Life	**75**

Average Cost PSF per Year (non-factored)	$ 0.74
Approximate Cost PSF per Year (factored)	$ 2.80
Average Replacement Cost PSF	$ 282.94
Average Replacement Cost PSF per Year	$ 3.77

Assumptions:
Half of all interior finishes are 19 years old, half are 14 years old. Average age = 17 years.
HVAC and Lighting costs based on SF costs for municipal admin/office bldg.

Drawings Used:
D.J. Peach & Asscociates Ltd. Dwgs. 1 thru 3, May 1994

Roads Equipment Depot - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																		
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
2	**Roads Equipment Depot**																							
2.1	**Doors and Windows**																							
2.1.1	Insulated Overhead Doors	**20**	**6**	**$ 53,700**															**$ 53,700**					
2.1.2	Windows	**30**	**40**	**$ 19,600**																				**$ 19,600**
2.2	**Exterior Cladding and Roofing**				$ -																			
2.2.1	Metal Siding	**50**	**21**	**$ 32,200**																				
2.2.2	Flat Roofing (4-Ply BUR)	**41**	**40**	**$ 93,500**		**$ 93,500**																		
2.3	**Interior Finishes**				$ -																			
2.3.1	Metal Roof/Wall Liner	55	**40**	**$ 43,000**																**$ 43,000**				
2.4	**Mechanical/Electrical**				$ -																			
2.4.1	HVAC	**18**	**40**	**$ 40,000**															**$ 40,000**					
2.4.2	Lighting	**30**	**40**	**$ 55,600**																				**$ 55,600**
TOTALS (non-factored)				$ 337,600	$ -	$ 93,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 93,700	$ 43,000	$ -	$ -	$ -	$ 19,600
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ 96,305	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 141,730	$ 66,993	$ -	$ -	$ -	$ -	$ 35,400

Length of Projection (years)	**30**
Approximate Total GFA	**7,419**
Opinion of Cost for Complete Demolition and Replacement	**$ 2,387,000**
Opinion of Total Useful Life	**75**

Average Cost PSF per Year (non-factored)	$ 1.27
Approximate Cost PSF per Year (factored)	$ 1.87
Average Replacement Cost PSF	$ 321.74
Average Replacement Cost PSF per Year	$ 4.29

Assumptions:

HVAC & Lighting costs based on SF costs for Vehicle Maintenance Bldg

BUR life expectancies are longer than typically anticipated based on replacement history provided by client.

Drawings Used:
Gamsby and Mannerow Ltd. dwgs 1 thru 7, June 1973

Water Hydro Building - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																			
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
3	**Water Hydro Building**																							
3.1	**Doors and Windows**				$ -																			
3.1.1	Overhead Doors	**30**	**23**	**$ 26,800**								**$ 26,800**												
3.1.2	Hollow Metal Doors	**30**	**23**	**$ 15,000**								**$ 15,000**												
3.1.3	Solid Core Wood Doors	**35**	**23**	**$ 14,400**													**$ 14,400**							
3.2	**Exterior Cladding and Roofing**				$ -																			
3.2.1	Metal Siding & Fascia	**50**	**23**	**$ 23,100**																				
3.2.2	Metal Roofing	**35**	**23**	**$ 14,900**													**$ 14,900**							
3.3	**Interior Finishes**				$ -																			
3.3.1	Steel Roof Liner in Garage	**50**	**23**	**$ 14,000**																				
3.4	**Mechanical/Electrical**				$ -																			
3.4.1	Lighting	**30**	**23**	**$ 37,700**								**$ 37,700**												
3.4.2	HVAC & Hot Water Tank	**20**	**3**	**$ 14,800**																	**$ 14,800**			
TOTALS (non-factored)				$ 160,700	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 79,500	$ -	$ -	$ -	$ -	$ 29,300	$ -	$ -	$ -	$ -	$ 14,800	$ -	$ -	$ -
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 97,775	$ -	$ -	$ -	$ -	$ 41,775	$ -	$ -	$ -	$ -	$ 24,462	$ -	$ -	$ -

Length of Projection (years)	**30**
Approximate Total GFA	**5,032**
Opinion of Cost for Complete Demolition and Replacement	**$ 1,424,000**
Opinion of Total Useful Life	**75**

Average Cost PSF per Year (non-factored)	$ 1.06
Approximate Cost PSF per Year (factored)	$ 1.63
Average Replacement Cost PSF	$ 282.99
Average Replacement Cost PSF per Year	$ 3.77

Assumptions:
All items with the exception of HVAC and hot water heater are original.
Metal wall liner is assumed to have same life expectancy as the building.

Drawings Used:
Landmark Builders dwgs 1 thru 5 & E1, November 1989

Hillsburgh Community Centre - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																				
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
4	**Hillsburgh Community Centre**																								
4.1	**Doors and Windows**				$ -																				
4.1.1	Overhead Doors	**40**	**38**	**$ 10,000**			**$ 10,000**																		
4.1.2	Hollow Metal Doors	**40**	**38**	**$ 15,000**			**$ 15,000**																		
4.1.3	Aluminum Doors	**40**	**22**	**$ 14,700**																		**$ 14,700**			
4.2	**Exterior Cladding and Roofing**				$ -																				
4.2.1	Metal Siding	**50**	**38**	**$ 52,000**													**$ 52,000**								
4.2.2	Metal Roofing	**32**	**5**	**$ 35,500**																					
4.2.3	Flat Roofing (3-Ply BUR)	**35**	**3**	**$ 42,000**																					
4.3	**Interior Works**				$ -																				
4.3.1	Ice Rink Floor	**25**	**13**	**$ 217,000**													**$ 217,000**								
4.3.2	Hockey Boards	**32**	**6**	**$ 150,000**		**$ 75,000**																			
4.3.3	Dressing Room Floor - Rubber Flooring	**25**	**2**	**$ 25,000**																					
4.3.4	Lobby Floor - Rubber Flooring	**25**	**11**	**$ 30,900**															**$ 30,900**						
4.3.5	Second Floor Hall - Vinyl Tile Flooring	**40**	**38**	**$ 25,700**			**$ 25,700**																		
4.3.6	Millwork Allowance - Second Floor and Concessions	**40**	**38**	**$ 10,000**			**$ 10,000**																		
4.3.7	Paint	**40**	**39**	**$ 10,000**		**$ 10,000**																			
4.3.8	Second Floor Hall - Suspended Tile Ceiling	**40**	**38**	**$ 15,400**			**$ 15,400**																		
4.4	**Mechanical/Electrical**				$ -																				
4.4.1	Lighting	**33**	**27**	**$ 125,000**							**$ 125,000**														
4.4.2	Fire Alarm/Life Safety Systems/Emergency & Exit Lighting	**40**	**38**	**$ 40,000**			**$ 40,000**																		
4.4.3	Plumbing Fixtures Allowance	**40**	**38**	**$ 10,000**			**$ 10,000**																		
4.4.4	HVAC	**18**	**38**	**$ 118,600**																	**$ 118,600**				
4.4.5	Refrigeration Plant	**25**	**11**	**$ 407,100**																					**$ 407,100**
TOTALS (non-factored)				$ 1,353,900	$ -	$ 85,000	$ 126,100	$ -	$ -	$ -	$ 125,000	$ -	$ -	$ -	$ -	$ -	$ 269,000	$ -	$ 30,900	$ -	$ 118,600	$ -	$ 14,700	$ -	$ 407,100
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ 87,550	$ 133,779	$ -	$ -	$ -	$ 149,257	$ -	$ -	$ -	$ -	$ -	$ 383,530	$ -	$ 46,739	$ -	$ 190,318	$ -	$ 25,026	$ -	$ 735,268

Length of Projection (years)	**30**
Approximate Total GFA	**23,815**
Opinion of Cost for Complete Demolition and Replacement	**$ 6,000,000**
Opinion of Total Useful Life	**100**

Average Cost PSF per Year (non-factored)	$ 1.68
Approximate Cost PSF per Year (factored)	$ 2.52
Average Replacement Cost PSF	$ 251.94
Average Replacement Cost PSF per Year	$ 2.52

Assumptions:
Refrigeration Plant has only been replaced once.
Lobby Flooring has only been replaced once.
Dressing Room Flooring has only been replaced once.
Metal Roofing has only been replaced once.
Metal Siding has never been replaced.
Hollow Metal Doors have never been replaced.
Overhead Doors have never been replaced.
1 half of hockey boards replaced in 2000, 2nd half to be replaced in 2014…
avg year of replacement = 2007
Suspended Tile Ceiling on second floor of community centre
Vinyl Tile flooring on second floor of community centre
BUR life expectancies are longer than typically anticipated based on replacement history provided by client.
Township plans that HCC will no longer be utilised after 2042. Metal roofing and hockey boards assumed to last until demolition.
Lighting planned to be replaced in 2019

Drawings used:
November 2010 fire safety plan
James Fryett Architect dwgs A1, August 1998
James Fryett Architect dwgs A3 & A4, July 2001

Centre 2000 - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																		
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
5	**Centre 2000**																							
5.1	**Doors and Windows**				$ -																			
5.1.1	Hollow Metal Doors - 1977	40	36	$ 75,000					$ 75,000															
5.1.2	Hollow Metal Doors - 2000	40	11	$ 88,750																				
5.1.3	Hollow Metal Doors - 2010 Addition	40	3	$ 52,500																				
5.1.4	Aluminum Doors	40	21	$ 24,500																			$ 24,500	
5.2	**Exterior Cladding and Roofing**				$ -																			
5.2.1	Metal Siding	50	36	$ 52,000															$ 52,000					
5.2.2	Metal Roofing - Arena	40	36	$ 35,500					$ 35,500															
5.2.3	Flat Roofing (Ballasted EPDM) - 2010 Addition	25	3	$ 15,300																				
5.2.4	Flat Roofing (BUR) - Original Community Centre	39	36	$ 50,000				$ 50,000																
5.2.5	Flat Roofing (BUR) - Multi-Use Facility	40	11	$ 50,000																				
5.3	**Interior Works**				$ -																			
5.3.1	Ice Rink Floor	25	11	$ 217,000																	$ 217,000			
5.3.2	Hockey Boards	25	11	$ 150,000																$ 150,000				
5.3.3	Rubber Flooring	25	3	$ 35,200																				
5.3.4	Paint- Original Community Centre	30	21	$ 10,000										$ 10,000										
5.3.5	Zamboni Room and Shower Flooring - Stonhard	35	1	$ 35,000																				
5.3.6	Millwork Allowance	30	21	$ 10,000										$ 10,000										
5.3.7	Carpet - Shamrock Room	40	21	$ 10,000																			$ 10,000	
5.3.8	Vinyl Tile Flooring - Original Community Centre	40	21	$ 26,700																			$ 26,700	
5.3.9	Shamrock Room - Suspended Tile Ceiling	40	21	$ 30,800																			$ 30,800	
5.4	**Mechanical/Electrical**				$ -																			
5.4.1	Handicapped Elevator	30	21	$ 115,800										$ 115,800										
5.4.2	Fire Alarm/Life Safety Systems/Emergency & Exit Lighting	40	36	$ 40,000					$ 40,000															
5.4.3	Plumbing Fixtures Allowance	40	36	$ 10,000					$ 10,000															
5.4.4	HVAC	19	36	$ 118,600			$ 118,600																	
5.4.5	Lighting	40	36	$ 125,000					$ 125,000															
5.4.6	Refrigeration Plant	25	11	$ 407,100																		$ 407,100		
TOTALS (non-factored)				$ 1,784,750	$ -	$ -	$ 118,600	$ 50,000	$ 285,500	$ -	$ -	$ -	$ -	$ 135,800	$ -	$ -	$ -	$ -	$ 52,000	$ 150,000	$ 217,000	$ -	$ 407,100	$ 92,000	$ -
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ -	$ 125,823	$ 54,636	$ 321,333	$ -	$ -	$ -	$ -	$ 177,188	$ -	$ -	$ -	$ -	$ 78,655	$ 233,695	$ 348,221	$ -	$ 693,060	$ 161,323	$ -

Length of Projection (years)	**30**
Approximate Total GFA	**40,862**
Opinion of Cost for Complete Demolition and Replacement	**$ 10,300,000**
Opinion of Total Useful Life	**100**

Average Cost PSF per Year (non-factored)	$ 1.48
Approximate Cost PSF per Year (factored)	$ 2.32
Average Replacement Cost PSF	$ 252.07
Average Replacement Cost PSF per Year	$ 2.52

Drawings Used:

Landmark Builders dwgs A1 thru A5 - August 1992
Insurance Drawing July 2009
Multi-Use Facility Ground Floor Plan, undated
Triton Engineering Services Limited dwgs 10-01, 10-02, 20-01, 20-02, 30-01 thru 30-06, 50-01, 60-01 thru 60-03, 70-01 thru 70-03, March 2010
Transway dwgs 1 thru 4, 6 thru 10, E1 thru E3, M1 thru M4, June 1977

Assumptions:

Interior Doors at Community Centre and Multi-Use Facility assumed to be hollow metal

Hockey Boards, Ice Rink Floor, and Refrigeration Plant assumed to have been replaced at least once in the past, based on similar replacements at H.C.C.

Built-Up-Roofing assumed at Multi-Use Facility
Millwork assumed to have been replaced in 1992 renovations.
Built-Up-Roofing assumed at Multi-Use Facility
Millwork assumed to have been replaced in 1992 renovations.

Vinyl Tile Flooring assumed in original community centre, and assumed to have been replaced during 1992 renovations.

Suspended Tile Ceiling assumed in Shamrock Room

Shamrock Room Roof planned for half replacement 2016, assume ramainder in 2018.
GFA = 23,315 Arena + 15,730 Community Centre + 50% (3,635) theatre
BUR life expectancies are longer than typically anticipated based on replacement history provided by client.
Interior finishes and theatre seating at 2000 addition are not covered in this spreadsheet at the request of client.

Erin Fire Hall - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																				
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
6	**Erin Fire Hall**																								
6.1	**Doors and Windows**				$ -																				
6.1.1	Overhead Doors	**34**	**28**	**$ 26,850**		**$ 8,950**					**$ 17,900**														
6.1.2	Exterior Entrance/Exit Doors and Windows	**35**	**28**	**$ 12,000**								**$ 12,000**													
6.2	**Exterior Cladding and Roofing**				$ -																				
6.2.1	Metal Siding	**50**	**28**	**$ 18,800**																					
6.2.2	Metal Roofing	**35**	**28**	**$ 10,400**								**$ 10,400**													
6.3	**Interior Works**				$ -																				
6.3.1	Ceramic Tile Flooring	**30**	**28**	**$ 28,900**	$ -		**$ 28,900**																		
6.3.2	Millwork Allowance	**30**	**28**	**$ 10,000**	$ -		**$ 10,000**																		
6.4	**Mechanical/Electrical**				$ -																				
6.4.1	Radiant Tube Heaters	**28**	**2**	**$ 10,000**																					
6.4.2	Emergency Generator Set	**30**	**4**	**$ 96,800**																					
6.4.3	HVAC & Hot Water Tank	**20**	**10**	**$ 14,800**											**$ 14,800**										
TOTALS (non-factored)				$ 228,550	$ -	$ 8,950	$ 38,900	$ -	$ -	$ -	$ 17,900	$ 22,400	$ -	$ -	$ 14,800	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ 9,219	$ 41,269	$ -	$ -	$ -	$ 21,374	$ 27,549	$ -	$ -	$ 19,890	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Length of Projection (years)	**30**
Approximate Total GFA	**4,800**
Opinion of Cost for Complete Demolition and Replacement	**$ 3,000,000**
Opinion of Total Useful Life	**50**

Average Cost PSF per Year (non-factored)	$ 0.71
Approximate Cost PSF per Year (factored)	$ 0.83
Average Replacement Cost PSF	$ 625.00
Average Replacement Cost PSF per Year	$ 12.50

Assumptions:
HVAC/Hot Water Tank same cost as Water-Hydro bldg (Roughly same size building. Assumed to have been replaced at least once over life of building.
Avg. year of replacement for overhead doors is 2017. One door planned for replacement in 2014, 2 in 2019.
Township plans that Erin will have a new firehall after year 21. Millwork, Ceramic Tile Flooring to remain in present condition. Metal siding is not planned to be replaced. Projected service life of radiant tube heaters, gen-set, and next cycle of HVAC exceed the lifespan of the building. Metal roof and wall liner not anticipated to be replaced prior to full replacement of the building.
Opinion of replacement cost is the recommendation of the Fire Chief, and does not include any land acquisition.

Drawings used:
Gamsby and Mannerow Limited dwgs 1-3, August 1983

Hillsburgh Fire Hall - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Major Repair/ Replacement Cost	Annual Replacement Reserve Costs																		
					2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
7	**Hillsburgh Fire Hall**																						
7.1	**Doors and Windows**				$ -																		
7.1.1	Overhead Doors	**20**	**1**	**$ 22,000**																		**$ 22,000**	
7.1.2	Hollow Metal Doors	**30**	**1**	**$ 34,800**																			
7.1.3	Aluminum Doors	**30**	**1**	**$ 29,300**																			
7.1.4	Aluminum Windows	**30**	**1**	**$ 22,000**																			
7.2	**Exterior Cladding and Roofing**				$ -																		
7.2.1	Metal Siding	**50**	**1**	**$ 181,000**																			
7.2.2	Metal Roofing	**35**	**1**	**$ 31,600**																			
7.2.3	Flat Roofing (TPO)	**25**	**1**	**$ 20,300**																			
7.3	**Interior Finishes**				$ -																		
7.3.2	Porcelain Tile Flooring	**30**	**1**	**$ 39,300**																			
7.3.3	Paint	**10**	**1**	**$ 20,000**										**$ 20,000**									**$ 20,000**	
7.3.4	Millwork Allowance	**30**	**1**	**$ 10,000**																			
7.4	**Mechanical/Electrical**				$ -																		
7.4.1	Elevator	**50**	**1**	**$ 115,800**																			
7.4.2	Lighting	**30**	**1**	**$ 19,400**																			
7.4.3	HVAC	**18**	**1**	**$ 60,000**																	**$ 60,000**		
TOTALS (non-factored)				$ 605,500	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 20,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 60,000	$ -	$ 42,000	$ -
Inflation Factor				3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)					$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 26,095	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 99,171	$ -	$ 73,647	$ -

Length of Projection (years)	**30**
Approximate Total GFA	**10,334**
Opinion of Cost for Complete Demolition and Replacement	**$ 2,217,000**
Opinion of Total Useful Life	**100**

Average Cost PSF per Year (non-factored)	$ 1.02
Approximate Cost PSF per Year (factored)	$ 2.10
Average Replacement Cost PSF	$ 214.53
Average Replacement Cost PSF per Year	$ 2.15

Drawings used:
Somfay Masri Architects Inc. dwgs A0, A0.1, A1.0 throu A1.2, A2.1 thru A2.3, A3.1, A4.1, A4.2, A5.1, A6.1 thru A6.3, A7.1, A9.1, July 2011

Small Buildings - Capital Cost Plan

Item No.	Item Description	Projected Service Life	Estimated Age	Demo. Cost	Rebuild Cost	Total Cost	Annual Replacement Reserve Costs																		
							2013 YEAR 0	2014 YEAR 1	2015 YEAR 2	2016 YEAR 3	2017 YEAR 4	2018 YEAR 5	2019 YEAR 6	2020 YEAR 7	2021 YEAR 8	2022 YEAR 9	2023 YEAR 10	2024 YEAR 11	2025 YEAR 12	2026 YEAR 13	2027 YEAR 14	2028 YEAR 15	2029 YEAR 16	2030 YEAR 17	2031 YEAR 18	2032 YEAR 19	2033 YEAR 20
8	**Small Buildings**																								
8.1	**Ballinafad Community Centre**																								
8.1.1	Pavilion	**35**	**14**	**$ 4,300**	**$ 24,700**	**$ 29,000**																			
8.1.2	Storage Shed	**35**	**10**	**$ 2,500**	**$ 19,800**	**$ 22,300**																			
8.1.3	Community Centre	**100**	**39**	**$ 58,200**	**$ 789,600**	**$ 847,800**																			
8.2	**Victoria Park Booth**					**$ -**	**$ -**																		
8.2.1	Snack Bar/Washrooms/Garage	**50**	**39**	**$ 13,800**	**$ 85,600**	**$ 99,400**											**$ 13,800**								
8.3	**Barbour Field**					**$ -**	**$ -**																		
8.3.1	Pavilion	**50**	**17**	**$ 37,800**	**$ 218,800**	**$ 256,600**																			
8.4	**McMillan Park**					**$ -**	**$ -**																		
8.4.1	Pavilion	**50**	**5**	**$ 5,300**	**$ 41,800**	**$ 47,100**																			
8.5	**Roads Cold Storage**					**$ -**	**$ -**																		
8.5.1	Sand Dome	**40**	**30**	**$ 22,000**	**$ 141,000**	**$ 163,000**											**$ 22,000**								
8.5.2	Municipal Garage	**60**	**22**	**$ 50,200**	**$ 200,000**	**$ 250,200**																			
TOTALS (non-factored)						$ 1,715,400	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 22,000	$ 13,800	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$0	$0
Inflation Factor						3.0%	1.000	1.030	1.061	1.093	1.126	1.159	1.194	1.230	1.267	1.305	1.344	1.384	1.426	1.469	1.513	1.558	1.605	1.653	1.702	1.754	1.806
TOTALS (factored)							$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 29,566	$ 19,102	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$0	$0

Length of Projection (years)	**30**
Approximate Total GFA	**12,728**

Average Cost PSF per Year (non-factored)	$ 0.23
Approximate Cost PSF per Year (factored)	$ 0.39

Assumptions

Victoria Park Booth will be demolished at end of service life, and replaced with washrooms only. (See Planned Actions & Expansions)

Sand Dome will be demolished at end of service life, and replaced with new salt/sand storage facility in year 7 (See Planned Actions & Expansions)

APPENDIX B
ASSET MANAGEMENT ASSUMPTIONS

APPENDIX B: ASSET MANAGEMENT PLAN ASSUMPTIONS

The following assumptions were made during the creation of the Town's asset management plan.

1. STATE OF LOCAL INFRASTRUCTURE
   a) Indexing: When inflating an asset value to a 2013 replacement value, the Non-Residential Building Construction Price Index (NRBCPI) was used for Road, Bridge/Culvert and Building related assets. Other assets (equipment, vehicles, and land improvements, etc.) were inflated using the Consumer Price Index (CPI). Two indexes were used to account for the difference between construction related assets and assets that are more consumer in nature.
   b) In order to establish an initial condition assessment for some assets, calculations were performed to link condition to asset age. This was done in order to establish condition ratings for this report and it is recommended that the Town follow the "Condition Assessment Policy" shown in Appendix C in the future.
   c) Information from various engineer firm (referenced in this report) were used to support the Town's asset data. Please see pages B-2 and B-3 for water assumptions used by Triton Engineering.

2. ASSET MANAGEMENT STRATEGY
   a) Capital inflation rate will be assumed to be 3% annually.
   b) Operating budget inflation rate will be assumed to be 2% annually.
   c) Regarding operating expenses included in the Town's current budget, it is assumed that they will increase at an operating inflation rate annually, unless staff have provided alternative impacts.
   d) When any existing debenture payments are complete (if applicable), annual budget savings created through removing these payments have been dedicated to capital.

3. FINANCING STRATEGY
   a) Taxation assessment growth is assumed to be 1.0% annually.
   b) Development charges rates are assumed to increase at 2% annually.
   c) Gas tax revenue has been identified as a funding source for the purposes of this analysis (i.e. for asset replacement purposes), and has been assumed to continue throughout the forecast period.
   d) Interest rate earned on a Capital Replacement Reserve Fund will be 2% annually.
   e) In the case where debt financing is needed, the model assumed debt terms of 20 years at 5% annual interest. For growth related debt, debt payments are shown as funded directly from the development charge reserve funds.

WATERMAIN

1. Condition Assessment

Based on age and pipe material (High Score - Good; Low Score - Not Good)

AGE: (Score 1 to 5)

1	> 50 yrs.
2	30 to 50 yrs.
3	15 to 30 yrs.
4	5 to 15 yrs.
5	< 5 yrs.

PIPE MATERIAL: (Score 1 to 5)

Cast Iron / Asbestos Cement / Steel	1
Ductile Iron / PVC (TW)	3
PVC / PE	5

Therefore a 50 year old cast iron watermain would score 2 while a five (5) year old PVC would score 8.

2. Risk Management

Based on hydraulic capacity (acceptable or not); trunk versus local main; is it a river crossing; and serviced land use.

i)	Hydraulic Capacity: (Score 1 or 5)	Deficient	1
		Not Deficient	5
ii)	Trunk versus Local: (Score 1 or 5)	Local	5
		Trunk	1
iii)	River Crossing: (Score 1 or 5)	Yes	1
		No	5
iv)	Serviced Land Use: (Score 1 to 5)	Health Care Services/EMO	1
		Educational Facility	2
		Government Facility	3
		Commercial/Industrial	4
		Residential	5

WATER FACILITIES

1. Condition Assessment

Based on individual components identified in PSAB

Factors:

AGE:	(Average)	1	> 50 yrs.
		2	30 to 50 yrs.
		3	15 to 30 yrs.
		4	5 to 30 yrs.
		5	< 5 yrs.

HISTORIC MAINTENANCE COST:

1	High
3	Average
5	Low

FREQUENCY OF FACILITY OFF LINE: (last five (5) years)

5	0
3	1-5
1	> 5

STANDBY POWER:

5	Full Time
3	Portable
1	None

Therefore, a pumping station (well) that is 40 years old, has high maintenance costs, has been off line seven (7) times in the last five years, and does not have standby power would score 9.

2. Risk Management

i) Likelihood of Failure:

Remote	5
Moderate	3
Good	1

ii) Severity of Failure:
(Environmental, Public Health and Safety, Financial and Public Perception)

Minimal	5
Moderate	3
Significant	1

Therefore, a pumping station (well) that has a good likelihood of failure with a significant severity of failure would score 2.

APPENDIX C
DATA VERIFICATION AND CONDITION ASSESSMENT POLICY

APPENDIX C

Town of Erin
Data Verification and Condition Assessment Policy

Data Verification

1. The main source of asset data updating and editing will be though the Town's PSAB 3150 compliance procedures.
2. Asset additions, disposals, betterments, and write-offs will be recorded based on the Town's PSAB 3150 Compliance Policies.
3. Verification of the correct treatment of asset revisions will be completed through frequent annual reviews by the Town's Treasurer as well as an annual review by the Town's external auditor.
4. During years in which condition assessments are not being performed, asset replacement cost will be determined based on a combination of inflating previous current values or thorough the use of the current year's historical invoice data. Where indices are being used, the Non-Residential Building Construction Price Index (NRBCPI) shall be used for construction related assets (i.e. roads related, storm, water, and facilities) and the Consumer Price Index (CPI) shall be used for all other assets (i.e. machinery & equipment, vehicles and land improvements).

Condition Assessment

1. Condition assessments shall be performed as outlined in Table C-1 below. Condition assessments shall be performed by qualified individuals (or companies) and shall include a review of the following:
   - Current asset condition (consistent with the rating format used within this report, unless Town staff stipulate a new format);
     i. Identify any unusual wear from asset use that may hinder asset performance and eventually reduce useful life.
     ii. Assess asset performance and identify (if any) capital improvements that can be applied to extend the asset's useful life and/or bring the asset back to proper service levels.
   - Current asset replacement cost. This is to be based on replacing the asset under current legislation/requirements using the Town's specifications; and
   - Remaining service life, assuming current maintenance and usage levels.

Table C-1

Condition Assessment Time Table

Asset Type	Frequency of Condition Assessment
Roads Related	Every 5 years, based on Minimum Maintenance Standards
Bridges and Culverts (greater than 3m)	Every 2 years, based on applicable legislation
Facilities	Every 5-10 years, with priority given to older buildings
Vehicles and Equipment	Annually (typically by Town staff), part of maintenance program
Water Related	Every 5 years, based on applicable legislation

APPENDIX D
LEVEL OF SERVICE IMPACT ANALYSIS

Town of Erin
2013 Asset Management Plan
Asset Management Strategy - Change in Level of Service

Table D-1
Tax Supported Services

Departments	Description	Planned Actions	Impact (2013$)	Impact (2013 $)																		
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
General Government																							
Expenditures																							
Capital Expenditures	Town Office - Addition	Expansion	1,250,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,250,000
Capital Expenditures	Town Office - Accessability Renovations for Basement	Rehabilitation/Renewal	20,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures			1,270,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,250,000
Protection to Persons and Property																							
Expenditures																							
Operating Expenditures				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital Expenditures	Hillsburgh Fire Hall - Emergency Generator	Expansion	67,800	67,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures			67,800	67,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transportation Services																							
Expenditures																							
Building Maintenance	Sand Dome Demolition	Maintenance	22,000	-	-	-	-	-	-	-	-	-	22,000	-	-	-	-	-	-	-	-	-	-
Building Maintenance and Rehabilitation	Roads Equipment Depot - Additional Bay	Expansion	250,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	250,000	-	-	-	-	-
Building Maintenance and Rehabilitation	Roads Equipment Depot - Accessability Renovations	Rehabilitation/Renewal	10,000	10,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridge Maintenance	Bridge Maintenance and Rehabilitation	Rehabilitation/Renewal	737,500	18,000	79,944	79,944	79,944	79,944	79,944	79,944	79,944	79,944	79,944	-	-	-	-	-	-	-	-	-	-
Culvert Maintenance	Culvert Maintenance and Rehabilitation	Rehabilitation/Renewal	2,146,000	125,000	224,556	224,556	224,556	224,556	224,556	224,556	224,556	224,556	224,556	-	-	-	-	-	-	-	-	-	-
Culvert Rehabilitation	Culvert 2061 Design	Rehabilitation/Renewal	190,280	190,280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streetlight Rehabilitation	Streetlights	Rehabilitation/Renewal	60,000	-	60,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sidewalks	New Sidewalk - Wellington Rd 124	Expansion	280,000	-	-	280,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Road Maintenance	Crack Sealing	Maintenance	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700
Road Maintenance	Gravel Road Resurfacing	Rehabilitation/Renewal	800,000	40,000	80,000	120,000	160,000	200,000	240,000	280,000	320,000	360,000	400,000	440,000	480,000	520,000	560,000	600,000	640,000	680,000	720,000	760,000	800,000
Total Expenditures			4,520,480	407,980	469,200	729,200	489,200	529,200	569,200	609,200	649,200	689,200	751,200	464,700	504,700	544,700	584,700	874,700	664,700	704,700	744,700	784,700	824,700
Recreation/Cultural Services																							
Expenditures																							
Operating Expenditures	Demolition - Victoria Park Booth - Snack Bar/Washrooms/Garage	Rehabilitation/Renewal	13,800	-	-	-	-	-	-	-	-	-	-	13,800	-	-	-	-	-	-	-	-	-
Building Maintenance and Rehabilitation	Hillsburgh Community Centre - Accessability Renovations for Viewing Area	Rehabilitation/Renewal	15,000	-	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance and Rehabilitation	Centre 2000 - Emergency Generator	Expansion	90,400	-	-	90,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Maintenance and Rehabilitation	Victoria Park Washroom Facilities	Rehabilitation/Renewal	40,000	-	-	-	-	-	-	-	-	-	-	40,000	-	-	-	-	-	-	-	-	-
Total Expenditures			159,200	-	15,000	90,400	-	-	-	-	-	-	-	53,800	-	-	-	-	-	-	-	-	-
Grand Total Expenditures (Uninflated)			**6,017,480**	**495,780**	**484,200**	**819,600**	**489,200**	**529,200**	**569,200**	**609,200**	**649,200**	**689,200**	**751,200**	**518,500**	**504,700**	**544,700**	**584,700**	**874,700**	**664,700**	**704,700**	**744,700**	**784,700**	**2,074,700**

Total Operating Expenditures (Uninflated)	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	46,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700	24,700
Total Capital Expenditures (Uninflated)	471,080	459,500	794,900	464,500	504,500	544,500	584,500	624,500	664,500	704,500	493,800	480,000	520,000	560,000	850,000	640,000	680,000	720,000	760,000	2,050,000
Total Operating Expenditures (Inflated)	25,194	25,698	26,212	26,736	27,271	27,816	28,373	28,940	29,519	56,927	30,711	31,326	31,952	32,591	33,243	33,908	34,586	35,278	35,983	36,703
Total Capital Expenditures (Inflated)	485,212	487,484	868,609	522,799	584,854	650,161	718,861	791,098	867,022	946,789	683,535	684,365	763,638	847,050	1,324,272	1,027,012	1,123,936	1,225,752	1,332,665	3,702,528

Planned Actions Summary	Impact (Inflated)																			
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Maintenance	25,194	25,698	26,212	26,736	27,271	27,816	28,373	28,940	29,519	56,927	30,711	31,326	31,952	32,591	33,243	33,908	34,586	35,278	35,983	35,983
Rehabilitation/Renewal	415,378	487,484	463,863	522,799	584,854	650,161	718,861	791,098	867,022	946,789	683,535	684,365	763,638	847,050	934,780	1,027,012	1,123,936	1,225,752	1,332,665	1,444,889
Replacement	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Expansion	69,834	-	404,746	-	-	-	-	-	-	-	-	-	-	-	389,492	-	-	-	-	2,257,639
Grand Total (Inflated)	510,406	513,182	894,821	549,535	612,125	677,977	747,234	820,038	896,541	1,003,716	714,246	715,691	795,590	879,641	1,357,515	1,060,920	1,158,522	1,261,030	1,368,648	3,738,511

Notes:
The Hillsburgh Community Centre is due for a complete replacement ($6,000,000) in 2042
The Erin Fire Hall is due for a complete replacement ($3,000,000) in 2034

Town of Erin
2013 Asset Management Plan
Asset Management Strategy - Change in Level of Service

Table D-2
Water Services

Departments	Description	Planned Actions	Impact (2013$)	Impact (2013 $)																		
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Water Services																							
Expenditures																							
Water Rehabilitation	Hillsburgh Pumping Station Rehab	Rehabilitation/Renewal	157,363	157,363	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Rehabilitation	Hillsburch Well 3 Generator Enclosure & Switch	Rehabilitation/Renewal	38,835	38,835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Rehabilitation	Well House PLC Replacement & SCADA Install	Rehabilitation/Renewal	397,870	67,961	212,084	117,824	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Rehabilitation	Well House Betterments	Rehabilitation/Renewal	-	-	-	-	-	-	133,273	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Rehabilitation	General Rehabilitation	Rehabilitation/Renewal	-	-	-	-	-	-	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Water Rehabilitation	Meter Replacement Program	Replacement	264,089	-	-	102,496	161,594	161,594	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Rehabilitation	Raido Meter Reading Device	Expansion	7,779	-	-	7,779	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water Rehabilitation	Rate Study	Expansion	32,991	-	32,991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Expenditures (Uninflated)			**898,927**	**264,159**	**245,075**	**228,099**	**161,594**	**161,594**	**133,273**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**	**100,000**

Total Operating Expenditures (Uninflated)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital Expenditures (Uninflated)	264,159	245,075	228,099	161,594	161,594	133,273	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Total Operating Expenditures (Inflated)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital Expenditures (Inflated)	272,084	260,000	249,250	181,875	187,331	159,135	122,987	126,677	130,477	134,392	138,423	142,576	146,853	151,259	155,797	160,471	165,285	170,243	175,351	180,611	

Planned Actions Summary	Impact (Inflated)																				
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rehabilitation/Renewal	272,084	225,000	128,750	-	-	159,135	122,987	126,677	130,477	134,392	138,423	142,576	146,853	151,259	155,797	160,471	165,285	170,243	175,351	180,611	
Replacement	-	-	112,000	181,875	187,331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Expansion	-	35,000	8,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Grand Total (Inflated)	272,084	260,000	249,250	181,875	187,331	159,135	122,987	126,677	130,477	134,392	138,423	142,576	146,853	151,259	155,797	160,471	165,285	170,243	175,351	180,611	

APPENDIX E
SCENARIO ANALYSIS – CAPITAL FORECASTS

Town of Erin
2013 Asset Management Plan
Scheduled Capital Replacement (Tax Supported Assets) - Inflated

Table E-1
Scenario 1: Replacement Year Based PSAB 3150 Data

Asset Type	Immediate Needs	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	TOTAL
Total Scheduled Capital - Inflated	**20,507,770**	**993,088**	**8,830,318**	**1,026,320**	**1,894,762**	**1,197,459**	**2,796,142**	**5,609,465**	**10,816,671**	**1,983,318**	**4,834,983**	**2,681,520**	**14,920,809**	**4,127,079**	**748,998**	**1,175,466**	**1,574,556**	**1,055,736**	**3,312,019**	**6,684,264**	**9,392,377**	**106,163,118**
Facilites	2,217,000	-	7,073,721	-	-	-	-	1,135,788	1,730,059	140,973	189,492	118,490	4,277,283	-	-	-	-	260,893	200,798	4,185,619	-	21,530,117
Vehicles and Equipment	-	993,088	598,536	602,392	1,094,105	626,728	639,263	652,048	665,089	678,391	691,959	705,798	719,914	734,312	748,998	763,978	779,258	794,843	810,740	826,955	843,494	14,969,887
Roads	3,513,403	-	194,282	423,928	800,656	570,731	2,156,879	1,290,944	8,421,522	1,163,954	3,953,533	1,857,231	9,923,613	2,582,336	-	411,488	795,298	-	2,300,481	1,671,691	8,548,883	50,580,853
Bridges	7,330,712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,330,712
Culverts	7,446,655	-	963,779	-	-	-	-	2,530,685	-	-	-	-	-	810,431	-	-	-	-	-	-	-	11,751,549

Table E-2
Scenario 2: Replacement Year Based on Condition and Risk

Asset Type	Immediate Needs	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	TOTAL
Total Scheduled Capital - Inflated	**368,400**	**3,866,966**	**2,202,352**	**1,977,794**	**2,213,935**	**2,145,322**	**2,959,216**	**2,322,176**	**2,856,160**	**3,114,414**	**3,982,692**	**3,003,614**	**4,012,039**	**3,787,289**	**4,209,065**	**3,592,723**	**5,321,063**	**3,360,066**	**6,141,416**	**5,373,993**	**6,265,897**	**73,076,592**
Facilites	368,400	223,974	300,871	78,676	321,333	37,560	240,124	47,227	-	203,284	19,890	-	383,530	327,189	267,123	300,688	554,587	99,171	788,907	234,970	871,087	5,668,591
Vehicles and Equipment	-	993,088	598,536	602,392	1,094,105	626,728	639,263	652,048	665,089	678,391	691,959	705,798	719,914	734,312	748,998	763,978	779,258	794,843	810,740	826,955	843,494	14,969,887
Roads	-	1,915,000	399,660	696,619	798,497	1,481,033	1,502,856	1,622,900	2,191,071	2,232,739	2,203,342	2,297,816	2,313,598	2,725,788	2,358,200	2,528,057	2,539,301	2,466,052	3,272,372	3,565,457	3,274,821	42,385,179
Bridges	-	734,905	-	600,107	-	-	576,973	-	-	-	1,067,502	-	-	-	-	-	1,447,917	-	1,269,396	-	1,276,495	6,973,295
Culverts	-	-	903,285	-	-	-	-	-	-	-	-	-	594,998	-	834,744	-	-	-	-	746,612	-	3,079,639

Figure E-1
Tax Supported Assets
Scenario 1 - Replacement Year Based PSAB 3150 Data

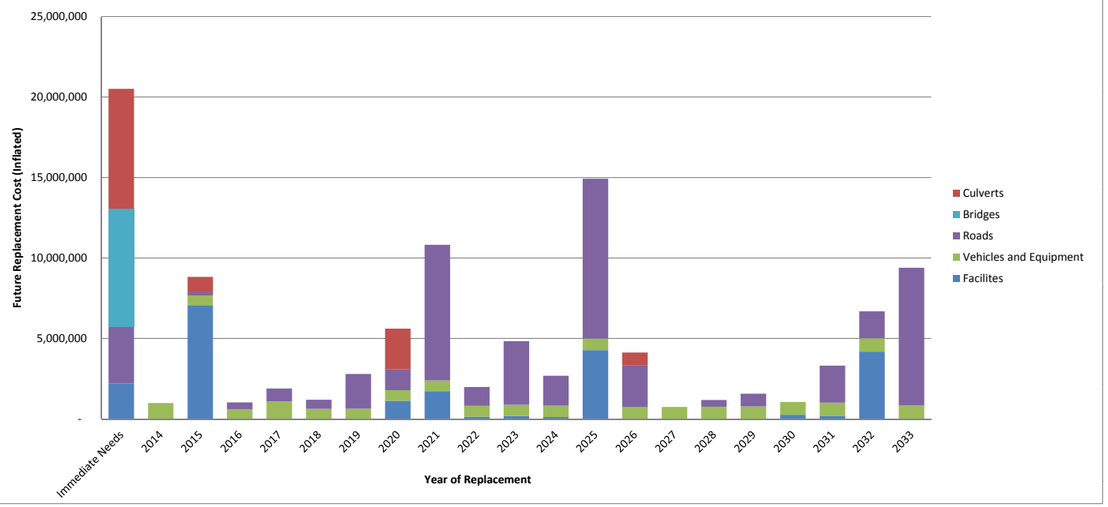
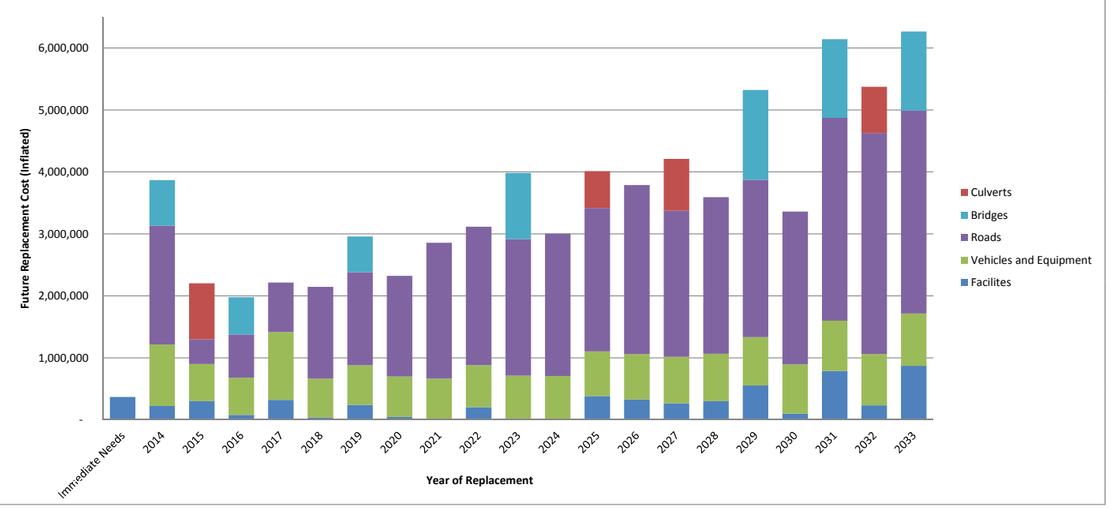


Figure E-2
Tax Supported Assets
Scenario 2 - Replacement Year Based Condition and Risk



Town of Erin
2013 Asset Management Plan
Scheduled Capital Replacement (Water Assets) - Inflated

Table E-3
Scenario 1: Replacement Year Based PSAB 3150 Data

Asset Type	Immediate Needs	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	TOTAL
Total Scheduled Capital - Inflated	**2,491,859**	**-**	**1,183,205**	**-**	**-**	**1,216,588**	**185,615**	**-**	**-**	**-**	**214,394**	**-**	**3,798,391**	**-**	**95,003**	**3,653,940**	**-**	**5,410,923**	**2,317,555**	**343,679**	**-**	**20,911,153**
Water Mains	971,003	-	1,013,961	-	-	1,216,588	185,615	-	-	-	-	-	3,798,391	-	-	1,533,048	-	82,142	-	343,679	-	9,144,428
Facilities	1,520,856	-	169,244	-	-	-	-	-	-	-	214,394	-	-	-	95,003	2,120,892	-	5,328,781	2,317,555	-	-	11,766,726

Tabel E-4
Scenario 2: Replacement Year Based on Condition and Risk

Asset Type	Immediate Needs	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	TOTAL
Total Scheduled Capital - Inflated	**-**	**-**	**56,468**	**520,887**	**624,493**	**799,397**	**699,310**	**711,721**	**729,588**	**736,500**	**628,183**	**770,603**	**623,651**	**554,099**	**743,706**	**713,149**	**490,663**	**1,413,542**	**748,045**	**1,576,850**	**947,020**	**14,087,874**
Water Mains	-	-	-	331,685	394,666	641,583	575,049	590,402	557,140	501,641	409,501	732,915	396,527	554,099	648,702	670,732	490,663	1,329,577	701,694	1,576,850	932,614	12,036,040
Facilities	-	-	56,468	189,202	229,827	157,814	124,260	121,319	172,448	234,859	218,682	37,688	227,124	-	95,003	42,418	-	83,965	46,351	-	14,406	2,051,834

Figure E-3
Water Assets
Scenario 1: Replacement Year Based on PSAB 3150 Data

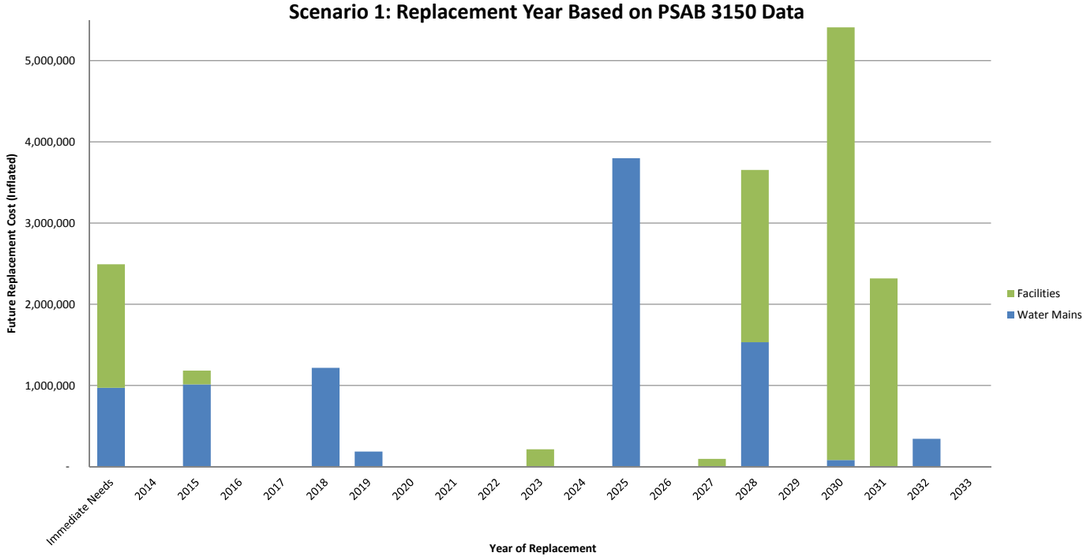
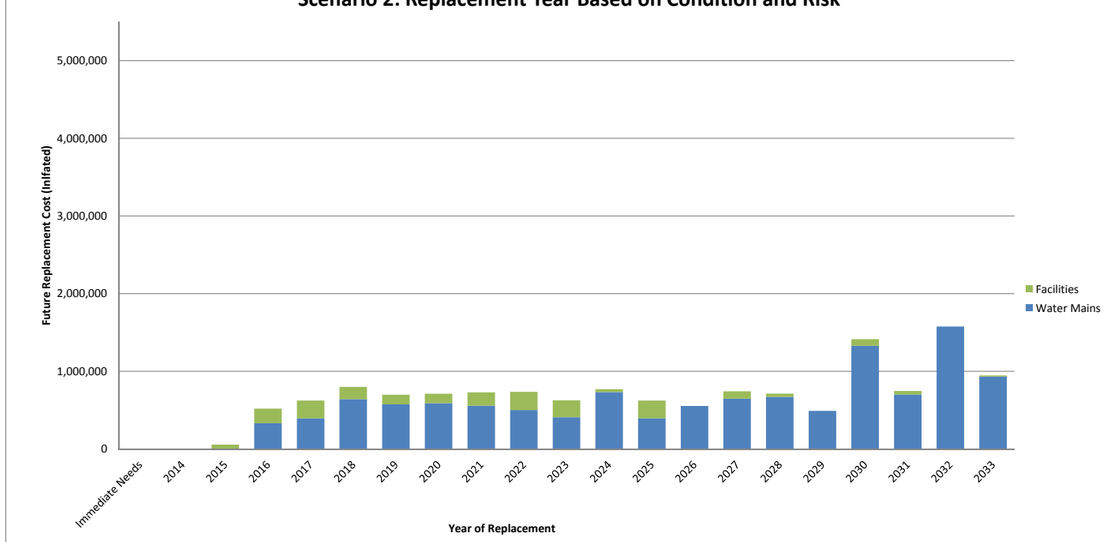


Table E-4
Water Assets
Scenario 2: Replacement Year Based on Condition and Risk



APPENDIX F
TAX SUPPORTED ASSET MANAGEMENT STRATEGY & FINANCING STRATEGY

Town of Erin
2013 Asset Management Plan
Expansion Projects - Uninflated

Table F-1
Tax Supported Services

Description	Total	Forecast																			
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Growth Projects (DC)																					
Daniel St Reconstruction/Upgrade (Dundas)	1,114,000								1,114,000												
Roads - 17 Sideroad - section 00300 (4th to 5th Line)	281,280	281,280																			
Roads - 17 Sideroad - section 00290 (3rd to 4th Line)	281,280		281,280																		
Roads - 17 Sideroad - section 00280 (2nd to 3rd Line)	262,260			262,260																	
Roads - 17 Sideroad - section 00270 (1st to 2nd Line)	481,580				481,580																
Hot Mix Sand Shed and Salt Brine Storage	280,000					280,000															
Bridge #2 Tenth Line above CR 52	1,200,000							1,200,000													
Expansion of Parking Lot at Erin Community Centre	70,000						70,000														
Total Capital Expenditures	3,970,400	281,280	281,280	262,260	481,580	280,000	70,000	1,200,000	1,114,000	-	-	-	-	-	-	-	-	-	-	-	-
Capital Financing																					
Provincial/Federal Grants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Developer Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Growth Related Debenture Requirements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Growth Related Debenture Requirements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Charges Reserve Fund	1,027,220	42,192	42,192	39,339	72,237	280,000	52,500	120,000	378,760	-	-	-	-	-	-	-	-	-	-	-	-
Tax Supported Capital Reserve Fund	2,943,180	239,088	239,088	222,921	409,343	-	17,500	1,080,000	735,240	-	-	-	-	-	-	-	-	-	-	-	-
Lifecycle Reserve Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital Financing	3,970,400	281,280	281,280	262,260	481,580	280,000	70,000	1,200,000	1,114,000	-	-	-	-	-	-	-	-	-	-	-	-

Town of Erin
2013 Asset Management Plan
Financing Strategy

Table F-2
Tax Supported Capital Forecast

Description	Actual 2011	Actual 2012	Budget 2013	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Prior Capital Expenses																							
General Government	35,523	32,142	83,990	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Building Department	1,033	-	45,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fire	657,774	2,123,124	387,326	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roads	303,961	1,235,000	1,432,856	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Streetlighting	5,154	907	15,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Environmental Services	96,175	72,513	100,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Planning	813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recreation and Culture	229,720	283,045	93,552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital Replacement Forecast																							
Facilites				413,700	496,289	78,676	321,333	37,560	240,124	47,227	-	203,284	19,890	-	383,530	327,189	267,123	300,688	554,587	99,171	788,907	234,970	871,087
Vehicles and Equipment				993,088	598,536	602,392	1,094,105	626,728	639,263	652,048	665,089	678,391	691,959	705,798	719,914	734,312	748,998	763,978	779,258	794,843	810,740	826,955	843,494
Roads				1,915,000	399,660	696,619	798,497	1,481,033	1,502,856	1,622,900	2,191,071	2,232,739	2,203,342	2,297,816	2,313,598	2,725,788	2,358,200	2,528,057	2,539,301	2,466,052	3,272,372	3,565,457	3,274,821
Bridges				734,905	-	600,107	-	-	576,973	-	-	-	1,067,502	-	-	-	-	-	1,447,917	-	1,269,396	-	1,276,495
Culverts				-	903,285	-	-	-	-	-	-	-	-	-	594,998	-	834,744	-	-	-	-	746,612	-
Level of Service Adjustments																							
Net Expenditures				485,212	487,484	868,609	522,799	584,854	650,161	718,861	791,098	867,022	946,789	683,535	684,365	763,638	847,050	1,324,272	1,027,012	1,123,936	1,225,752	1,332,665	3,702,528
Capital Expansion Forecast																							
Transportation				289,718	298,410	286,579	542,023	324,597	83,584	1,475,849	1,411,182	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,330,153	3,746,731	2,157,724	4,831,623	3,183,664	3,132,981	3,278,756	3,054,772	3,692,961	4,516,885	5,058,439	3,981,435	4,929,482	3,687,149	4,696,404	4,550,927	5,056,115	4,916,996	6,348,075	4,484,002	7,367,167	6,706,658	9,968,425
Capital Financing																							
Provincial/Federal Grants	-	66,100	23,768	2,000,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Term Debt Proceeds	146,419	1,612,226	277,335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non Growth Related Debt	-	-	-	638,000	650,000	950,000	1,000,000	250,000	1,000,000	1,400,000	1,300,000	500,000	1,000,000	-	-	-	-	-	-	-	-	-	-
Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserve Funds: Gas Tax	50,986	653,338	341,965	354,442	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965
Reserve Funds: Development Charges	50,000	200,599	50,000	43,458	44,761	42,987	81,303	324,597	62,688	147,585	479,802	-	-	-	-	-	-	-	-	-	-	-	-
Reserve Funds: Obligatory	-	55,416	142,400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserves: Capital	250,907	720,103	588,038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Revenue	-	37,016	69,907	16,000	-	97,650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer from Operating Fund	831,841	401,933	665,211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserve Fund: New Capital (Tax Supported)	-	-	-	1,779,723	2,146,937	1,700,380	1,855,488	2,138,210	2,288,308	2,627,336	2,936,673	3,139,470	3,587,517	3,345,184	4,354,439	4,208,962	4,714,150	4,575,031	6,006,110	4,142,037	7,025,203	6,364,693	9,626,460
Total Capital Financing	1,330,153	3,746,731	2,157,724	4,831,623	3,183,664	3,132,981	3,278,756	3,054,772	3,692,961	4,516,885	5,058,439	3,981,435	4,929,482	3,687,149	4,696,404	4,550,927	5,056,115	4,916,996	6,348,075	4,484,002	7,367,167	6,706,658	9,968,425
Total Capital Expenses less Capital Financing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Town of Erin
2013 Asset Management Plan
Financing Strategy

Table F-3
Debt Requirements

Non-Growth Related Debt	Principal	Forecast																			
Year	(Inflated)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Budget 2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	638,000		51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195	51,195
2015	650,000			52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158	52,158
2016	950,000				76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230	76,230
2017	1,000,000					80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243
2018	250,000						20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061	20,061
2019	1,000,000							80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243
2020	1,400,000								112,340	112,340	112,340	112,340	112,340	112,340	112,340	112,340	112,340	112,340	112,340	112,340	112,340
2021	1,300,000									104,315	104,315	104,315	104,315	104,315	104,315	104,315	104,315	104,315	104,315	104,315	104,315
2022	500,000										40,121	40,121	40,121	40,121	40,121	40,121	40,121	40,121	40,121	40,121	40,121
2023	1,000,000											80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243	80,243
2024	-												-	-	-	-	-	-	-	-	-
2025	-													-	-	-	-	-	-	-	-
2026	-														-	-	-	-	-	-	-
2027	-															-	-	-	-	-	-
2028	-																-	-	-	-	-
2029	-																	-	-	-	-
2030	-																		-	-	-
2031	-																			-	-
2032	-																				-
2033	-																				
Total Annual Non-Growth Related Debt Charges	**8,688,000**	-	51,195	103,352	179,583	259,825	279,886	360,129	472,468	576,784	616,905	697,148	697,148	697,148	697,148	697,148	697,148	697,148	697,148	697,148	697,148

Growth Related Debt	Principal	Forecast																			
Year	(Inflated)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Budget 2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-								-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-									-	-	-	-	-	-	-	-	-	-	-	-
2022	-										-	-	-	-	-	-	-	-	-	-	-
2023	-											-	-	-	-	-	-	-	-	-	-
2024	-												-	-	-	-	-	-	-	-	-
2025	-													-	-	-	-	-	-	-	-
2026	-														-	-	-	-	-	-	-
2027	-															-	-	-	-	-	-
2028	-																-	-	-	-	-
2029	-																	-	-	-	-
2030	-																		-	-	-
2031	-																			-	-
2032	-																				-
2033	-																				
Total Annual Growth Related Debt Charges	**-**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table F-4
Reserve and Reserve Fund Continuity Schedules

Development Charges Reserve Fund (All Tax Supported Funds)	2011 Actual	2012 Actual	2013 Budget	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance				680,572	855,404	1,412,809	2,022,064	2,618,081	2,998,932	3,668,759	4,374,813	4,772,812	5,685,186	6,633,167	6,714,830	6,798,127	6,883,089	7,020,751	7,161,166	7,304,389	7,450,477	7,599,487	7,751,476
Development Charge Proceeds				283,518	656,464	669,594	682,985	696,645	710,578	817,859	834,216	850,900	867,918	-	-	-	-	-	-	-	-	-	-
Transfer to Capital				43,458	44,761	42,987	81,303	324,597	62,688	147,585	479,802	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Other				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Operating (Debenture Payments)				82,000	82,000	57,000	57,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	-	-	-	-	-	-	-
Interest Earned				16,773	27,702	39,648	51,335	58,803	71,936	85,781	93,585	111,474	130,062	131,663	133,297	134,963	137,662	140,415	143,223	146,088	149,010	151,990	155,030
Closing Balance			680,572	855,404	1,412,809	2,022,064	2,618,081	2,998,932	3,668,759	4,374,813	4,772,812	5,685,186	6,633,167	6,714,830	6,798,127	6,883,089	7,020,751	7,161,166	7,304,389	7,450,477	7,599,487	7,751,476	7,906,506
Required from Development Charges				43,458	44,761	42,987	81,303	324,597	62,688	147,585	479,802	-	-	-	-	-	-	-	-	-	-	-	-
Required Debenture Funding																							

Obligatory Reserve Funds (Gas Tax)	2011 Actual	2012 Actual	2013 Budget	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance				12,477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers From Operating/Capital				341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965
Transfer to Capital				354,442	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965	341,965
Transfer to Other				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Operating				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Earned				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Closing Balance			12,477	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

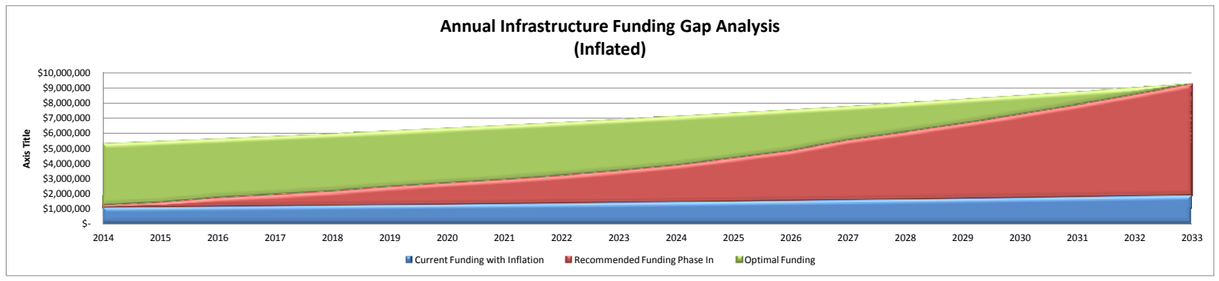
Reserve/Reserve Funds (All Capital Reserves)	2011 Actual	2012 Actual	2013 Budget	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance				1,321,642	776,006	28,935	34,600	79,100	50,071	153,783	162,953	91,798	87,119	(54,319)	416,332	342,386	913,804	1,698,499	3,180,298	3,805,514	6,954,163	7,872,652	10,171,095
Transfers From Operating/Capital				1,218,872	1,399,299	1,705,366	1,898,437	2,108,200	2,389,005	2,633,310	2,863,718	3,133,083	3,447,144	3,807,671	4,273,780	4,762,462	5,465,542	5,994,471	6,556,708	7,154,330	7,789,326	8,463,703	9,179,888
Transfer to Capital				1,779,723	2,146,937	1,700,380	1,855,488	2,138,210	2,288,308	2,627,336	2,936,673	3,139,470	3,587,517	3,345,184	4,354,439	4,208,962	4,714,150	4,575,031	6,006,110	4,142,037	7,025,203	6,364,693	9,626,460
Transfer to Other				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Operating				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Earned				15,216	567	678	1,551	982	3,015	3,195	1,800	1,708	(1,065)	8,163	6,713	17,918	33,304	62,359	74,618	136,356	154,366	199,433	194,490
Closing Balance			1,321,642	776,006	28,935	34,600	79,100	50,071	153,783	162,953	91,798	87,119	(54,319)	416,332	342,386	913,804	1,698,499	3,180,298	3,805,514	6,954,163	7,872,652	10,171,095	9,919,013
Note: Closing reserve fund balance as a percentage of capital asset balance				0.42%	0.02%	0.02%	0.04%	0.02%	0.07%	0.07%	0.04%	0.04%	-0.02%	0.17%	0.14%	0.35%	0.63%	1.15%	1.34%	2.37%	2.60%	3.27%	3.09%

Town of Erin
2013 Asset Management Plan
Financing Strategy

Table F-5
Tax Supported Operating Budget Forecast Summary

Net Impact on Taxation	2011 Actual	2012 Actual	2013 Budget	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Net Expenditures																							
General Government	955,843	935,949	1,133,331	1,084,300	1,105,900	1,128,000	1,150,600	1,173,600	1,197,100	1,221,000	1,245,400	1,270,300	1,295,700	1,321,600	1,348,000	1,375,000	1,402,500	1,430,600	1,459,200	1,488,300	1,518,100	1,548,500	1,579,500
Building Department	(78,453)	(57,510)	57,429	58,600	59,800	61,000	62,200	63,400	64,700	65,900	67,200	68,600	69,900	71,300	72,800	74,200	75,700	77,200	78,800	80,400	81,900	83,600	85,200
Fire	460,995	838,580	715,184	766,608	778,901	790,153	802,297	813,393	826,314	836,063	848,755	852,986	874,185	887,585	901,185	915,085	723,500	738,000	752,800	767,800	783,200	798,900	814,900
Roads/Transportation Services	2,131,307	2,366,308	2,960,316	2,292,965	2,339,365	2,386,665	2,434,965	2,484,265	2,534,565	2,585,865	2,638,165	2,691,565	2,745,965	2,801,465	2,832,300	2,890,100	2,949,000	3,009,100	3,070,300	3,132,800	3,196,500	3,261,500	3,327,800
Streetlighting	2,973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Environmental Services	145,424	3,919	10,600	10,800	11,000	11,200	11,400	11,600	11,800	12,000	12,200	12,400	12,600	12,900	13,200	13,500	13,800	14,100	14,400	14,700	15,000	15,300	15,600
Recreation & Culture	824,036	709,257	701,548	722,774	733,249	634,325	640,871	645,829	657,459	669,186	681,288	693,717	706,311	719,231	732,345	725,600	740,200	755,000	770,200	785,700	801,400	817,400	833,800
Planning	83,321	26,724	92,561	83,200	84,900	86,600	88,300	90,100	91,900	93,800	95,700	97,600	99,500	101,500	103,600	105,700	107,800	109,900	112,100	114,400	116,700	119,000	121,400
Economic & Community Development	73,016	64,277	131,910	134,600	137,400	140,300	143,200	146,200	149,200	152,300	155,500	158,800	162,100	165,500	169,000	172,500	176,100	179,800	183,600	187,400	191,200	195,100	199,100
BIA	(7,284)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Costs/(Revenues)	(1,038,321)	(607,362)	(499,611)	(798,400)	(814,400)	(830,600)	(847,300)	(864,200)	(881,500)	(899,200)	(917,200)	(935,600)	(954,300)	(973,500)	(992,900)	(1,012,700)	(1,032,800)	(1,053,400)	(1,074,500)	(1,096,000)	(1,117,800)	(1,140,100)	(1,162,900)
Total Net Expenditures / (Revenues)	3,552,857	4,280,142	5,303,268																				
Total Net Expenditures / (Revenues) - Before Capital Related Costs				4,355,447	4,436,115	4,407,643	4,486,533	4,564,187	4,651,539	4,736,914	4,827,008	4,910,369	5,011,961	5,107,580	5,179,529	5,258,985	5,155,800	5,260,300	5,366,900	5,475,500	5,586,200	5,699,200	5,814,400
Net Expenditures due to Level of Service Adjustments	-	-	-	25,194	25,698	26,212	26,736	27,271	27,816	28,373	28,940	29,519	56,927	30,711	31,326	31,952	32,591	33,243	33,908	34,586	35,278	35,983	36,703
Transfers to Reserve Funds																							
Reserves/Reserve Funds (Surplus)	704,220	336,166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tax Supported Capital Reserve Funds	-	-	-	1,218,872	1,399,299	1,705,366	1,898,437	2,108,200	2,389,005	2,633,310	2,863,718	3,133,083	3,447,144	3,807,671	4,273,780	4,762,462	5,465,542	5,994,471	6,556,708	7,154,330	7,789,326	8,463,703	9,179,888
Debentures																							
New Debenture Payments	-	-	-	-	51,195	103,352	179,583	259,825	279,886	360,129	472,468	576,784	616,905	697,148	697,148	697,148	697,148	697,148	697,148	697,148	697,148	697,148	697,148
Total Taxation Levy	4,257,077	4,616,308	5,303,268	5,599,513	5,912,307	6,242,573	6,591,289	6,959,483	7,348,246	7,758,726	8,192,134	8,649,754	9,132,937	9,643,110	10,181,783	10,750,546	11,351,081	11,985,162	12,654,663	13,361,564	14,107,951	14,896,034	15,728,138
Taxation Levy Analysis																							
Prior Year Taxation Levy	4,054,268	4,257,077	4,616,308	5,303,268	5,599,513	5,912,307	6,242,573	6,591,289	6,959,483	7,348,246	7,758,726	8,192,134	8,649,754	9,132,937	9,643,110	10,181,783	10,750,546	11,351,081	11,985,162	12,654,663	13,361,564	14,107,951	14,896,034
Add: Provision for Assessment Growth (see below)	-	42,571	73,861	53,033	55,995	59,123	62,426	65,913	69,595	73,482	77,587	81,921	86,498	91,329	96,431	101,818	107,505	113,511	119,852	126,547	133,616	141,080	148,960
Current Year Taxation Levy at 0.0% Increase	4,054,268	4,299,648	4,690,169	5,356,301	5,655,508	5,971,430	6,304,999	6,657,201	7,029,078	7,421,728	7,836,313	8,274,055	8,736,252	9,224,266	9,739,541	10,283,600	10,858,052	11,464,592	12,105,013	12,781,210	13,495,179	14,249,031	15,044,994
Additional Increase in Taxation Levy for the year	202,809	316,660	613,099	243,212	256,799	271,143	286,290	302,282	319,168	336,997	355,821	375,699	396,685	418,844	442,241	466,946	493,029	520,570	549,650	580,354	612,772	647,003	683,144
Total Taxation Levy	4,257,077	4,616,308	5,303,268	5,599,513	5,912,307	6,242,573	6,591,289	6,959,483	7,348,246	7,758,726	8,192,134	8,649,754	9,132,937	9,643,110	10,181,783	10,750,546	11,351,081	11,985,162	12,654,663	13,361,564	14,107,951	14,896,034	15,728,138
Percentage Increase (Factoring in Assessment Growth)	5.0%	7.4%	13.1%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%	4.5%

	2011 Actual	2012 Actual	2013 Budget	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Assessment Growth Estimate (%)	0.0%	1.0%	1.6%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%



APPENDIX G
WATER ASSET MANAGEMENT STRATEGY & FINANCING STRATEGY

Town of Erin
2013 Asset Management Plan
Expansion Projects - Uninflated

Table G-1
Water Services

Description	Total	Forecast																		
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Growth Projects (DC)																					
New Well (Erin)	2,750,000																	2,750,000			
New Well (Hillsburgh)	2,250,000																				2,250,000
Daniel St. Watermain	900,000								900,000												
Total Capital Expenditures	5,900,000	-	-	-	-	-	-	-	900,000	-	-	-	-	-	-	-	-	2,750,000	-	-	2,250,000
Capital Financing																					
Provincial/Federal Grants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Developer Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Growth Related Debenture Requirements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Growth Related Debenture Requirements	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Development Charges Reserve Fund	4,537,500	-	-	-	-	-	-	-	225,000	-	-	-	-	-	-	-	-	2,062,500	-	-	2,250,000
Capital Reserve Fund	1,362,500	-	-	-	-	-	-	-	675,000	-	-	-	-	-	-	-	-	687,500	-	-	-
Lifecycle Reserve Fund	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital Financing	5,900,000	-	-	-	-	-	-	-	900,000	-	-	-	-	-	-	-	-	2,750,000	-	-	2,250,000

Town of Erin
2013 Asset Management Plan
Financing Strategy

Table G-2
Water Capital Forecast

Description	Actual 2011	Actual 2012	Budget 2013	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Prior Capital Expenses																							
Major Studies	-	-	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ORII Project # 1	288	30,811	738,396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CIIF - Water Tower Interior Coating	-	-	237,533	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital Projects	43,471	401,771	186,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capital Replacement Forecast																							
Water Mains				-	-	331,685	394,666	641,583	575,049	590,402	557,140	501,641	409,501	732,915	396,527	554,099	648,702	670,732	490,663	1,329,577	701,694	1,576,850	932,614
Facilities				-	56,468	189,202	229,827	157,814	124,260	121,319	172,448	234,859	218,682	37,688	227,124	-	95,003	42,418	-	83,965	46,351	-	14,406
Level of Service Adjustments																							
Net Expenditures				272,084	260,000	249,250	181,875	187,331	159,135	122,987	126,677	130,477	134,392	138,423	142,576	146,853	151,259	155,797	160,471	165,285	170,243	175,351	180,611
Capital Expansion Forecast																							
Waterworks				-	-	-	-	-	-	-	1,140,093	-	-	-	-	-	-	-	-	4,545,331	-	-	4,063,750
Total Capital Expenditures	**43,759**	**432,582**	**1,181,929**	**272,084**	**316,468**	**770,137**	**806,368**	**986,728**	**858,445**	**834,709**	**1,996,358**	**866,978**	**762,574**	**909,026**	**766,227**	**700,952**	**894,965**	**868,946**	**651,134**	**6,124,157**	**918,288**	**1,752,200**	**5,191,381**
Capital Financing																							
Provincial/Federal Grants	17,405	159,758	738,396	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Term Debt Proceeds	8,559	38,210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Growth Related Debt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserve Funds: Development Charges	-	-	50,000	-	-	-	-	-	-	-	285,023	-	-	-	-	-	-	-	-	3,408,998	-	-	4,063,750
Reserve Funds: Obligatory	17,795	68,542	104,166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserves: Capital	-	12,467	283,867	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Revenue: Special Area Levy	-	128,624	5,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other: Transfer from Operating Fund	-	24,981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reserve Fund: New Capital (Water)	-	-	-	272,084	316,468	770,137	806,368	986,728	858,445	834,709	1,711,335	866,978	762,574	909,026	766,227	700,952	894,965	868,946	651,134	2,715,159	918,288	1,752,200	1,127,631
Total Capital Financing	**43,759**	**432,582**	**1,181,929**	**272,084**	**316,468**	**770,137**	**806,368**	**986,728**	**858,445**	**834,709**	**1,996,358**	**866,978**	**762,574**	**909,026**	**766,227**	**700,952**	**894,965**	**868,946**	**651,134**	**6,124,157**	**918,288**	**1,752,200**	**5,191,381**
Total Capital Expenses less Capital Financing	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Town of Erin
2013 Asset Management Plan
Financing Strategy

Table G-3
Debt Requirements

Non-Growth Related Debt	Principal	Forecast																			
Year	(Inflated)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Budget 2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-								-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-									-	-	-	-	-	-	-	-	-	-	-	-
2022	-										-	-	-	-	-	-	-	-	-	-	-
2023	-											-	-	-	-	-	-	-	-	-	-
2024	-												-	-	-	-	-	-	-	-	-
2025	-													-	-	-	-	-	-	-	-
2026	-														-	-	-	-	-	-	-
2027	-															-	-	-	-	-	-
2028	-																-	-	-	-	-
2029	-																	-	-	-	-
2030	-																		-	-	-
2031	-																			-	-
2032	-																				-
2033	-																				
Total Annual Non-Growth Related Debt Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Growth Related Debt	Principal	Forecast																			
Year	(Inflated)	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Budget 2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2016	-				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2018	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-							-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-								-	-	-	-	-	-	-	-	-	-	-	-	-
2021	-									-	-	-	-	-	-	-	-	-	-	-	-
2022	-										-	-	-	-	-	-	-	-	-	-	-
2023	-											-	-	-	-	-	-	-	-	-	-
2024	-												-	-	-	-	-	-	-	-	-
2025	-													-	-	-	-	-	-	-	-
2026	-														-	-	-	-	-	-	-
2027	-															-	-	-	-	-	-
2028	-																-	-	-	-	-
2029	-																	-	-	-	-
2030	-																		-	-	-
2031	-																			-	-
2032	-																				-
2033	-																				
Total Annual Growth Related Debt Charges	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table G-4
Reserve and Reserve Fund Continuity Schedules

Development Charges Reserve Fund (All Water Funds)	2011 Actual	2012 Actual	2013 Budget	Forecast																	
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance				284,192	336,045	610,994	896,805	1,193,805	1,502,326	1,822,711	2,219,874	2,341,471	2,763,582	3,201,641	3,656,117	4,127,491	4,616,258	5,122,925	5,648,011	6,192,052	3,278,418	3,792,482	4,325,798
Development Charge Proceeds				45,265	262,968	268,227	273,592	279,064	284,645	353,636	360,709	367,923	375,282	382,787	390,443	398,252	406,217	414,341	422,628	431,081	439,702	448,496	457,466
Transfer to Capital				-	-	-	-	-	-	-	285,023	-	-	-	-	-	-	-	-	3,408,998	-	-	4,063,750
Transfer to Other				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Operating (Other)																							
Transfer to Operating (Debenture Payments)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Earned				6,589	11,980	17,584	23,408	29,457	35,739	43,527	45,911	54,188	62,777	71,689	80,931	90,515	100,450	110,745	121,413	64,283	74,362	84,820	14,390
Closing Balance			284,192	336,045	610,994	896,805	1,193,805	1,502,326	1,822,711	2,219,874	2,341,471	2,763,582	3,201,641	3,656,117	4,127,491	4,616,258	5,122,925	5,648,011	6,192,052	3,278,418	3,792,482	4,325,798	733,905
Required from Development Charges				-	-	-	-	-	-	-	285,023	-	-	-	-	-	-	-	-	3,408,998	-	-	4,063,750
Required Debenture Funding																							

Reserve/Reserve Funds (All Water Capital)	2011 Actual	2012 Actual	2013 Budget	Forecast																	
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Opening Balance				692,446	1,129,503	1,593,613	1,671,569	1,785,468	1,793,165	2,011,628	2,343,049	1,876,183	2,309,076	2,906,555	3,417,787	4,137,897	4,993,866	5,725,682	6,557,314	7,688,377	6,799,449	7,790,387	8,017,612
Transfers From Operating/Capital				686,995	749,330	815,317	885,258	959,266	1,037,464	1,120,187	1,207,681	1,254,595	1,303,062	1,353,243	1,405,201	1,459,002	1,514,513	1,572,003	1,631,444	1,692,909	1,756,474	1,822,217	1,890,119
Transfer to Capital				272,084	316,468	770,137	806,368	986,728	858,445	834,709	1,711,335	866,978	762,574	909,026	766,227	700,952	894,965	868,946	651,134	2,715,159	918,288	1,752,200	1,127,631
Transfer to Other				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer to Operating				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Earned				22,147	31,247	32,776	35,009	35,160	39,444	45,942	36,788	45,276	56,991	67,015	81,135	97,919	112,268	128,575	150,752	133,323	152,753	157,208	175,602
Closing Balance			692,446	1,129,503	1,593,613	1,671,569	1,785,468	1,793,165	2,011,628	2,343,049	1,876,183	2,309,076	2,906,555	3,417,787	4,137,897	4,993,866	5,725,682	6,557,314	7,688,377	6,799,449	7,790,387	8,017,612	8,955,702
Note: Closing reserve fund balance as a percentage of capital asset balance				3.40%	4.65%	4.74%	4.91%	4.79%	5.22%	5.90%	4.59%	5.48%	6.70%	7.65%	8.99%	10.53%	11.73%	13.04%	14.84%	12.74%	14.18%	14.16%	15.36%

Town of Erin
2013 Asset Management Plan
Financing Strategy

Table G-5
Water Budget Forecast Summary

Net Impact on Water Revenue	2011 Actual	2012 Actual	2013 Budget	Forecast 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Expenditures																							
Operating Expenditures (Net of Misc Revenues)	923,372	1,020,278	915,422	933,700	952,400	971,500	990,900	1,010,700	1,031,000	1,051,700	1,072,800	1,094,300	1,116,300	1,138,700	1,161,500	1,184,700	1,208,500	1,232,700	1,257,400	1,282,600	1,308,300	1,334,500	1,361,300
Capital Related Costs (Net of Revenues)	(52,193)	146,197	435,157																				
Net Impact on Water Revenue	871,179	1,166,475	1,350,579																				
Net Impact on Water Revenue - Operating Only				933,700	952,400	971,500	990,900	1,010,700	1,031,000	1,051,700	1,072,800	1,094,300	1,116,300	1,138,700	1,161,500	1,184,700	1,208,500	1,232,700	1,257,400	1,282,600	1,308,300	1,334,500	1,361,300
Net Expenditures due to Level of Service Adjustments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers to Reserve Funds																							
Water Capital Reserve Fund	-	-	-	686,995	749,330	815,317	885,258	959,266	1,037,464	1,120,187	1,207,681	1,254,595	1,303,062	1,353,243	1,405,201	1,459,002	1,514,513	1,572,003	1,631,444	1,692,909	1,756,474	1,822,217	1,890,119
Debentures																							
New Debenture Payments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Water System Rate Based Revenue	871,179	1,166,475	1,350,579	1,620,695	1,701,730	1,786,817	1,876,158	1,969,966	2,068,464	2,171,887	2,280,481	2,348,895	2,419,362	2,491,943	2,566,701	2,643,702	2,723,013	2,804,703	2,888,844	2,975,509	3,064,774	3,156,717	3,251,419
Percentage Increase	3.44%	33.90%	15.78%	20.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%