TOWNSHIP OF MINDEN HILLS ASSET MANAGEMENT PLAN PHASE I



DECEMBER 2013

GGG PROJECT NO. 13-1-5638



Prepared by:



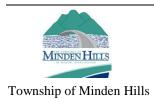
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Executive Summary

This Asset Management Plan (AMP) has been developed by the Greer Galloway Group Inc., in consultation with municipal staff, to provide high level guidance to Municipal Council, administrative staff and Department Heads in the long term management of cost controlled services provided to ratepayers and other members of the public utilizing those services. It is not intended to provide detailed financial data for specific projects but rather provide the framework which staff can use to forecast revenue and expenses and develop budgets for specific projects. It is anticipated that this will be a living document which will be updated periodically in order to capture actual revenue and expenses costs.

This document is Phase I of II and presents data related to the Transportation and Environmental departments only with allocation of a proportionate amount of the general administrative costs incurred by the municipality. Phase II will provide revenue and expenses for the other municipal departments and will be provided in a similar report to be prepared early in 2014, as requested by the municipality. The data were compiled over the course of several weeks, reviewed by appropriate municipal staff and is presented on comprehensive spreadsheets attached to this report.

The financial plan has been developed utilizing actual revenue and expense data from recent financial statements, cost data for similar assets from other municipalities, benchmark costs developed during preparation of various studies (road needs analysis, bridge assessments, etc.) for this municipality and others, supplier cost data and the in-house knowledge and experience of our engineering staff. This report (Phase I of II) covers only two of the municipal departments and common administrative costs have been prorated to each department based upon the department contribution to the overall revenue stream.

The financial plan sets out a high level framework to manage revenue and expenses pertaining to existing significant assets while at the same time identifying the estimated costs of future major acquisitions, and the probable need for making those acquisitions. The spreadsheet has been set up to include a 2% annual inflation factor. This figure is a conservative estimate based broadly on the Consumer Price Index, currently about 1.5%, and provides a reasonable level of comfort for forecasting most of the common expenses. It should be noted, however, that some costs such as fuel and electricity are particularly difficult to forecast.

The spreadsheets identify revenue and expenses related to normal operating and maintenance costs for the Transportation and Environmental departments as well as annual capital costs related to significant expenditures (i.e. new pumps at the sewage station, road / bridge reconstruction, major equipment, etc.). The costs are provided at a high level only and do not identify the detailed expenses. For example, Osprey Road has a normal maintenance cost of \$2,500 (inflated by 2% per year) for grading, minor ditching, brushing, etc. and will have an expenditure of \$100,000 in 2015 to provide double surface treatment for this road. The detailed costs of individual elements are not identified but are included in the overall budget. The capital expense figure was generated from the last road needs report which identified required work. A similar process can be used to review the other expenses. Vehicles are replaced based on age and common practice. Environmental expenses are generally related to OCWA and projected replacement needs for pumps and other equipment are based on data provided by OCWA to the municipality.

The key elements of the financial plan are summarized below:

		T	Dania			E	al Department		
Year	Revenue	Operational Expenses	Total Cost of Assets	Surplus (Deficit)	Revenue			Surplus (Deficit)	Total
2014	\$ 2,440,000	\$ 994,500	\$ 1,902,500	\$ (457,000)	\$ 1,035,000	\$ 588,000	\$ 453,000	\$ (6,000)	\$ (463,000)
2015	\$ 2,489,000	\$ 1,014,500	\$ 1,417,000	\$ 57,500	\$ 1,055,000	\$ 600,000	\$ 384,500	\$ 70,500	\$ 128,000
2016	\$ 2,538,500	\$ 1,034,500	\$ 1,586,500	\$ (82,500)	\$ 1,067,500	\$ 612,000	\$ 408,000	\$ 56,500	\$ (26,000)
2017	\$ 2,589,500	\$ 1,055,500	\$ 1,532,500	\$ 1,500	\$ 1,097,500	\$ 624,000	\$ 559,500	\$ (86,000)	\$ (84,500)
2018	\$ 2,641,000	\$ 1,076,500	\$ 1,650,000	\$ (85,000)	\$ 1,119,500	\$ 636,500	\$ 537,500	\$ (54,500)	\$ (140,000)
2019	\$ 2,694,000	\$ 1,098,000	\$ 1,605,500	\$ (9,500)	\$ 1,127,500	\$ 649,000	\$ 522,000	\$ (43,500)	\$ (53,000)
2020	\$ 2,748,000	\$ 1,120,000	\$ 1,636,000	\$ (8,000)	\$ 1,150,500	\$ 662,000	\$ 480,500	\$ 8,000	\$ 0
2021	\$ 2,802,500	\$ 1,142,500	\$ 1,664,500	\$ (4,500)	\$ 1,173,000	\$ 675,500	\$ 461,500	\$ 36,000	\$ 31,500
2022	\$ 2,859,000	\$ 1,165,000	\$ 1,942,500	\$ (248,500)	\$ 1,196,500	\$ 689,000	\$ 455,000	\$ 52,500	\$ (196,000)
2023	\$ 2,916,500	\$ 1,188,500	\$ 1,932,500	\$ (204,500)	\$ 1,220,500	\$ 702,500	\$ 476,500	\$ 41,500	\$ (163,000)
Total	\$26,718,000	\$10,889,500	\$16,869,500	\$(1,041,000)	\$11,251,500	\$ 6,438,500	\$ 4,738,000	\$ 75,000	\$ (966,000)

The Plan is intended to safeguard the infrastructure the municipality currently possesses, to identify the time and need for significant future investments, and to provide evidence to upper level government entities when financial assistance is required to meet emergent challenges that the municipality cannot singularly accommodate within the existing revenue and expenses.





Introduction

The Township Location and Characteristics

The Township is located on the southern end of the Haliburton Highlands in Central Ontario. It includes the Village of Minden, the community of Lutterworth and part of Carnarvon. It is intersected by three (3) provincial highways. Minden is the Township's largest urban centre which dates back to 1859 and also contains a unique riverwalk pathway system along the Gull River and throughout the Village.

The Township has an area of 878 km² and a year round population base of 5,600 people. Summertime seasonal population, however, exceeds 11,000 people. The landscape is characterized by relatively small urban settlements located within rural areas and alongside waterfront areas. The Township is predominantly rural with heavily forested, rocky areas with numerous lakes and water courses. The dominant soil characteristics are silts, sands, clays, granular deposits and various wetlands adjacent to rock outcrops.

The Township Goals

The existing infrastructure is largely buildings, roads, and bridges which require on-going repair and maintenance efforts. In addition to that, local residents and the travelling public continually want increased levels of service from that infrastructure, as well as additions to it. Annual costs are climbing and the Municipal Council requires an improved cost control system. Hence the need for an Asset Management Plan.

The Plan has been developed to assist Council controlling those costs by making long range plans and appropriate decisions with respect to operation, maintenance, replacement, renewal and ultimately the probable disposal of units as may become necessary. The Plan is intended to steer Council towards prioritizing its needs over its wants, and to ensure that future infrastructure investments will be made at appropriate times such that they will be properly purchased, operated and maintained in harmony with the existing assets. It will also illustrate to Council wherever and whenever funding assistance might be required when major future expenditures are clearly beyond its economic control.

The intended goals can therefore be stated as follows:

- to ensure an adequate level of service exists to satisfy the needs of the residents with respect to existing infrastructure and community facilities.
- to encourage and assist future development within the township by providing new infrastructure services and facility improvements to meet the demands of the residents and the public at large.
- to ensure that new services and facility improvements will meet the requirements of all existing municipal ordinances and environmental protection standards.
- to ensure that sustainable and appropriate use is being obtained from existing natural resources and topographical features.

The Purpose of the Plan

The Plan will provide Council with the information it needs to determine when to add new items to its infrastructure, and how to operate, maintain, expand, renew and ultimately dispose of them when useful service life timelines have been reached.

It will identify the Township's significant assets and their financial needs, inclusive of buildings, roads, bridges, water tower and distribution systems, waste disposal, and large equipment.

It will identify the levels of service to the public in a sustainable manner, maximize the benefits, and manage the inherent risks of owning such infrastructure.

It will set strategic priorities and will aid the decision making process when the Municipal Council is contemplating new investments.





Significant Infrastructure Assets Included in Phase I of the Plan

The major assets of the Township to be addressed in Phase I belong to the Transportation and Environmental Services Departments and are listed hereafter. All financial issues and concerns related to them are included and monitored in the Plan.

- Existing Buildings
- Equipment
- Vehicles
- Municipal Roads and Culverts
- Municipal Bridges
- Water Tower and Distribution Systems
- Waste Water Systems

All of the other major assets of the Township will be addressed in Phase II of the Asset Management Plan.

Duration of the Asset Management Plan

The Plan is intended to be a living document that will provide direction for both short and long term management of all assets. An initial 10 Year Financial Plan is prepared. Three Year Updates are then undertaken within the 10 Year Financial Plan and a new 10 Year Financial Plan is prepared following the end of the third Three Year Update.

The recurring 10 Year Financial Plans will contain any new items that may have been acquired and will include any revised evaluations and improvements gained from each of the earlier Plans.

The Development of the Plan

This initial 10 Year Financial Plan has been developed after reviewing the Township's recent annual financial statements, its current debt analysis, and its existing infrastructure inventory of buildings, roads, bridges, large equipment, motor vehicles, water and waste water systems.

It has been compiled through the joint efforts of the administrative staff of the Township and the engineering expertise from the consulting firm of Greer Galloway.

The State of the Local Infrastructure

The buildings and contents are reviewed annually by insurance companies and assigned current replacement values. Current values are then determined based on condition ratings and expected remaining service lifetimes.

The latest Road Needs Study is used to determine current road values. Benchmark costs and desirable road improvements are contained in that document. The roads are rated on a basis of current condition vs. a desired condition.

Bridge improvements are determined by professional structural engineers doing visual field inspections every two (2) years. Ultimate replacement costs are determined by applying square meter construction costs against the required area of the new bridge deck. All bridges are rated as having 100 year serviceable lifetimes. Major culvert installations exceeding 3m in span, and classified as bridges, are rated as having 30 years serviceable lifetimes.

Equipment and machinery is valued annually based upon performance characteristics and operator opinion. Replacement costs are determined by manufacturers' price listings.

A Table of Assets identifying type, age, service life expectations, current conditions, rated values and probable replacement costs, is provided in Appendix A. New assets, as may be acquired, are added following each 3 Year Update.

The Desired Levels of Service

The desired levels of asset performance are established through a combination of the following events:

- Municipal Council's decisions based upon its desire to satisfy the demands of its residents and the public at large, and
- Condition ratings of the assets as determined by knowledgeable and trained professional personnel and/or consultants retained by the Council.

Buildings should be rated by professional engineers prior to each 10 year renewal Plan. Replacement items and upgrade costs should be determined and included in a report.





Major equipment replacements should occur based upon performance levels and staff operator recommendations.

Road improvements should be governed by updated Road Needs Studies and prioritized as finances permit based upon decisions reached by the Municipal Council.

Bridges should be upgraded, repaired, and maintained in accordance with OSIM Bridge Inspection Reports which are delivered by professional structural engineers every 2 years.

The Asset Management Strategy

The Asset Management Strategy is based upon annual charts containing all significant assets as they relate to maintenance, renewals or rehabilitations, expansion, replacement, disposal expense, debt repayment and preventative risk analysis. The annual charts are prepared for the entire 10 year period and estimated summary cost totals are then inserted into the 10 Year Financial Plan.

Annual maintenance costs have been determined as follows:

•	All Buildings	As per past year record reviews
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 Municipal Roads All services requiring repeat annual work (with the exception of snow

plowing & winter sanding which are operational expenses) patching, crack sealing, grading, ditching, gravel applications, dust control, grass mowing, brushing, sweeping, and signs and

guide rail repairs.

All inclusive: \$1,500 per km per year.

• Municipal Bridges As per Bi-Annual Structural Inspection Reviews

 Motor Vehicles and Equipment

\$2,000 per year for vehicles costing less than \$100,000

Varying cost per year for vehicles and equipment costing greater than

\$100,000 based on past records

Water and Waste Water Systems

As per past year record reviews

Road rehabilitation and reconstruction has been scheduled in accordance with the latest Road Needs Study, which covers up to 2015. For 2016 and the remaining years of the Plan, a budget of approximately \$250,000 for resurfacing and \$400,000 for reconstruction have been carried forward each year.

Renewals, rehabilitations, and replacement costs for large motor vehicles and equipment exceeding \$100,000 are determined from insurance valued replacement costs and manufacturers' product data sheets.

Rehabilitation of sewer and water mains has been budgeted to start in 2017 for 300 m of each per year at a cost of \$300/m. It is noted that the timing of these rehabilitations will be dependent on the reconstruction schedule of the relevant sections of road. Similarly, in the event of an emergency replacement requirement of sewer and/or water main, the corresponding reconstruction any relevant road sections should occur at this time. Both the sewer and water systems are currently operating around 60% capacity, indicating room for future expansion. These expansions are unforeseen at this time and have not been included in the Plan. Reevaluation of these expansions should occur at the time of the Three Year Updates.

Expansion costs are determined through the combined efforts of staff members and/or requested comments from external Parties.

All costs are based on a 2014 dollar value and are forecasted with a 2% increase each year for the remainder of the 10 Year Plan. The costs have been rounded to the nearest \$500 for simplicity.

The Financing Strategy

The financing strategy is based upon the data contained in the 10 Year Financial Plan included in Appendix B. This document provides actual expenditures for all infrastructure assets. Comparing these expenditures with revenue forecasts based on historical records, the 10 Year Financial Plan identifies funding shortfalls, surpluses and amounts that may be dedicated to Reserve Fund deposits to finance emergent activities. It also highlights occasions when the Township may require funding assistance from upper level government entities for major asset replacements that cannot be funded locally.





Appendix A

Table of Assets





ID No.	Asset Description	Age	Service Life	Condition	Value (2014 \$)	Replacement Cost (2014 \$)
					(201 4 \$)	Cust (2014 φ)
BUILDINGS	1					
DUILDINGS	<u>:</u>					
DITT. CA 0001	G	~ 4	150		ф 20.000	Φ 426.500
BUIL-GA-0001	Garage–Patrol #1, Minden	54 years	150 years	good	\$ 30,000	\$ 426,500
BUIL-GA-0002	Garage–Patrol #2, Lutterworth	39 years	75 years	good		\$ 214,000
BUIL-GA-0003	Salt/Sand Dome & Garage-Patrol #2	22 years	125 years	good		\$ 396,000
BUIL-GA-0004	Garage–Patrol #3, Kinmount	64 years	100 years	good		\$ 396,000
BUIL-OP-0012	Sewage Treatment Plant, Minden	37 years	50 years	good		\$ 7,604,500
BUIL-OP-0013	Office, Lunchroom & Training Facility	74 years	150 years	good		\$ 202,000
BUIL-OP-0014	Water (Potable) Treatment/Pumphouse	49 years	75 years	good		\$ 702,000
BUIL-OP-0018	Lutterworth Water Treatment Plant	?	?	good		\$ 300,000
BUIL-OP-0019	Pumping Station #1, 27 Orde	37 years	50 years	good	\$ 292,500	\$ 4,796,500
BUIL-OP-0020	Pumping Station #2, 31 Invergordon	37 years	50 years	good	\$ 356,500	\$ 5,849,500
BUIL-ST-0004	Sand & Salt Dome – Patrol #1	22 years	125 years	good	\$ 142,000	\$ 288,000
BUIL-ST-0005	Sand Dome – 3500 sq.m. – Patrol #3	64 years	100 years	good	\$ 9,500	\$ 319,500
BUIL-ST-0006	Salt Shed – 500 tonne - Patrol #3	64 years	75 years	good	\$ 1,000	\$ 70,000
BUIL-ST-0007	Storage Building – Roads	89 years	100 years	fair	\$ 1,000	\$ 94,000
BUIL-ST-0008	Storage Barn	94 years	115 years	poor	\$ 1,500	\$ 93,000
		-		_		
EQUIPMEN	T:					
EQUI-MI-0003	GenSet - Sewage Plant	7 years	20 years	good	\$ 33,000	\$ 117,000
	GenSet - PS1	, , ,		8442	+ 22,000	
	GenSet - Lutterworth Water Plant					
	GenSet - Minden Water Plant					
EQUI-OP-0013	2004 Thompson Steamer	10 years	20 years	fair	\$ 6.000	\$ 18,000
EQUI-OP-0014	1992 Thompson Steamer	·	20 years	poor	\$ 1,000	\$ 18,000
EQUI-OP-0014	1992 Thompson Steamer	22 years	20 years	poor	5 1,000	\$ 18,000
I AND IMPD	OMENTENTE.					
LAND IMPR	ROVEMENT:					
LAIP-MI-0012	Lutterworth Estates Fencing	2 ******	15 years	ana d	\$ 12,000	\$ 16,000
LAIF-WII-0012	Lutter worth Estates Pencing	3 years	13 years	good	\$ 12,000	\$ 10,000
	 					
MUNICIPAI	RRIDGES					
MOMENTAL	THEOLO.					
LIAS-BR-0001	Bridge – Sunnybrook	58 years	100 years	good	\$ 844,500	\$ 2,010,000
LIAS-BR-0001	Bridge – Sunnybrook Bridge – Clergyhouse	84 years	100 years	fair		\$ 294,000
LIAS-BR-0003	Bridge – Mitchells	97 years	100 years	fair		\$ 984,000
LIAS-BR-0004	Bridge – Irondale Road	17 years	100 years	good		\$ 1,110,000
LIAS-BR-0005	Bridge – Milburn Road	2 years	100 years	good		\$ 207,500
LIAS-BR-0006	Bridge – Salerno Lake Road	12 years	100 years	good		\$ 696,000
LIAS-BR-0007	Bridge – Ritchie Falls Road	44 years	100 years	fair		\$ 600,000
LIAS-BR-0008	Bridge – Sedgwick Road	94 years	100 years	fair		\$ 528,000
LIAS-BR-0009	Bridge – Scott's Dam–Walking Bridge	84 years	100 years	poor		\$ 552,000
LIAS-BR-0010	Bridge – Soyer's Lake Road	44 years	100 years	good	\$ 81,000	\$ 144,000





ID No.	Asset Description		Service Life	Condition	Value	Replacement		
110.	Asset Description	Age	ber vice Life	Condition		_		
					(2014 \$)	Cost (2014 \$)		
LIAS-BR-0011	Bridge – Rackety Creek Culvert	44 years	50 years	good		\$ 87,500		
LIAS-BR-0012	Bridge – Francis Road	34 years	100 years	good		\$ 276,000		
LIAS-BR-0013	Bridge – Ritchie Falls Bridge 2	84 years	100 years	fair		\$ 246,000		
LIAS-BR-0014	Bridge – Riverwalk (Footbridge)	5 years	40 years	good		\$ 109,500		
LIAS-BR-0015	Bridge – Riverwalk (Footbridge)	4 years	40 years	good		\$ 119,500		
LIAS-BR-0016	Bridge – Riverwalk (Snowmobile)	4 years	40 years	good	\$ 74,500	\$ 89,500		
MUNICIPAL	ROADS:							
LIAS-RO-0001	Roads							
	VILLAGE OF MINDEN							
	Allister Street, 0.1 km	n/a	n/a	good		\$ 8,500		
	Anson Street, 0.7 km	n/a	n/a	good		\$ 65,500		
	Archie Street, 0.1 km	n/a	n/a	good		\$ 8,500		
	Bobcaygeon Road, 1.3 km	n/a	n/a	poor		\$ 154,000		
	Booth Crescent, 0.2 km	n/a	n/a	good		\$ 21,500		
	Candace Street, 0.1 km	n/a	n/a	good		\$ 7,000		
	Chandos Street, 0.2 km	n/a	n/a	good		\$ 17,500		
	Donald Street, 0.2 km	n/a	n/a	good		\$ 17,000		
	Ferguson Street, 0.1 km	n/a	n/a	good		\$ 8,500		
	Fleming Road East, 0.4 km	n/a	n/a	good		\$ 32,000		
	Fleming Road, 2.1 km	n/a	n/a	good		\$ 167,500		
	Floralan Park Road, 0.4 km	n/a	n/a	fair		\$ 37,500		
	George Street, 0.2 km	n/a	n/a	good		\$ 17,000		
	Golf Course Road, 0.3 km	n/a	n/a	good		\$ 28,000		
	Highland Boulevard, 0.4 km	n/a	n/a	good		\$ 42,000		
	Hunter Street, 0.1 km	n/a	n/a	good		\$ 8,500		
	IGA Road, 0.1 km	n/a	n/a	good		\$ 10,000		
	Invergordon Avenue, 1.2 km	n/a	n/a	good		\$ 105,000		
	Knob Hill Court, 0.2 km	n/a	n/a	good		\$ 21,000		
	Lyons Street, 0.2 km	n/a	n/a	good		\$ 17,500		
	Main Street, 1 km	n/a	n/a	good	\$ 400,000	\$ 400,000		
	McKay Street, 0.4 km	n/a	n/a	good		\$ 34,000		
	McKnight Street, 0.2 km	n/a	n/a	good		\$ 19,500		
	McLeod Street, 0.1 km	n/a	n/a	good		\$ 8,500		
	McPherson Street, 0.2 km	n/a	n/a	good		\$ 17,000		
	Milne Street, 0.2 km	n/a	n/a	good		\$ 17,000		
	Minden Park Street, 0.3 km	n/a	n/a	fair		\$ 25,000		
	Newcastle Street, 0.6 km	n/a	n/a	good	\$ 200,000	\$ 200,000		
	Orde Street, 1.2 km	n/a	n/a	good		\$ 102,500		
	Parkside Street, 0.3 km	n/a	n/a	good	\$ 120,000	\$ 120,000		
	Payne Street, 0.1 km	n/a	n/a	good		\$ 7,000		
	Peck Street, 0.1 km	n/a	n/a	good		\$ 9,500		
	Prentice Street, 0.4 km	n/a	n/a	good		\$ 34,000		
	Prentiskoka Heights, 0.4 km	n/a	n/a	good		\$ 33,500		
	Prince Street, 0.6 km	n/a	n/a	fair		\$ 56,500		
	Pritchard Street, 0.1 km	n/a	n/a	good		\$ 9,500		
	Rotary Park Road, 0.1 km	n/a	n/a	good		\$ 6,500		





ID No.	Asset Description	Age	Service Life	Condition	Value (2014 \$)	Replacement Cost (2014 \$)
					(2014 ψ)	Cost (2014 ψ)
	South Water Street, 1.1 km	/-	/-	4		¢ 104.500
	St. Germaine Street, 0.3 km	n/a	n/a	good		\$ 104,500 \$ 25,500
	Stouffer Street, 0.3 km	n/a	n/a	good fair		\$ 23,000
		n/a	n/a			\$ 23,000
	Teasdale Street, 0.1 km Water Tower Road, 0.3 km	n/a n/a	n/a	fair		\$ 20,500
	water Tower Road, 0.3 km	II/a	n/a	good		\$ 20,300
	ANSON, HINDON & MINDEN					
	ANSON, HINDON & MINDEN					
	Alexander Road, 1.6 km	n/a	n/a	fair	\$ 90,000	\$ 114,000
	Ball Road, 0.1 km	n/a	n/a	fair		\$ 6,500
	Bat Lake Road, 4.7 km	n/a	n/a	good	φ 3,000	\$ 414,500
	Beer Lake Road, 1.1 km	n/a	n/a	good		\$ 72,000
	Ben Road, 0.3 km	n/a	n/a	fair	\$ 12,000	\$ 16,500
	Bethel Road, 5.3 km	n/a	n/a	good	Ψ 12,000	\$ 445,000
	Blairhampton Road, 9 km	n/a	n/a	good		\$ 819,000
	Bobcaygeon Road, 12.2 km	n/a	n/a	fair	\$ 288,000	\$ 1,088,000
	Boyd Road, 0.3 km	n/a	n/a	fair		\$ 16,500
	Brady Lake Road, 7.4 km	n/a	n/a	good		\$ 609,000
	Brigham Road, 2.2 km	n/a	n/a	good	Ψ 307,000	\$ 120,000
	Caribou Road, 2.4 km	n/a	n/a	good		\$ 191,500
	Chambers Road, 1.3 km	n/a	n/a	good		\$ 71,000
	Clarence Road, 0.2 km	n/a	n/a	fair		\$ 12,500
	Claude Brown Road, 1.7 km	n/a	n/a	good		\$ 121,500
	Cold Springs Road, 0.2 km	n/a	n/a	fair	\$ 4,500	\$ 7,500
	Colonial Road, 0.3 km	n/a	n/a	fair	·	\$ 16,500
	Cox Farm Road, 2 km	n/a	n/a	good	Ψ 12,000	\$ 193,000
	Crooked House Road, 1.4 km	n/a	n/a	fair	\$ 114,000	\$ 120,000
	Curtiss Drive, 0.4 km	n/a	n/a	good	Ψ 111,000	\$ 32,000
	Dennison Road, 1.5 km	n/a	n/a	fair	\$ 59,500	\$ 82,000
	Duck Lake Road, 7.3 km	n/a	n/a	good	Ψ 37,300	\$ 613,000
	East Road, 0.5 km	n/a	n/a	fair		\$ 42,500
	Gainer Road, 0.4 km	n/a	n/a	fair		\$ 22,000
	Grace Road, 0.6 km	n/a	n/a	good		\$ 58,000
	Judge Jordan Road, 0.5 km	n/a	n/a	good		\$ 48,500
	Keewydin Road, 0.5 km	n/a	n/a	good		\$ 35,500
	Kelson Road, 0.2 km	n/a	n/a	fair		\$ 18,000
	Lakeside Drive, 1.7 km	n/a	n/a	fair	\$ 82,000	\$ 107,000
	Lochlin Road, 3.2 km	n/a	n/a	good		\$ 102,000
	Lugers Road, 0.2 km	n/a	n/a	fair	. ,	\$ 12,500
	Maeber Road, 1.1 km	n/a	n/a	good		\$ 94,000
	Mountain View Drive, 1.2 km	n/a	n/a	fair		\$ 106,000
	Nesbitt Road, 1 km	n/a	n/a	good		\$ 71,500
	Old Ingoldsby Road, 1.2 km	n/a	n/a	fair		\$ 65,500
	Omagaki Road, 0.3 km	n/a	n/a	fair	\$ 14,500	\$ 19,000
	Osprey Road, 1.8 km	n/a	n/a	fair	,	\$ 159,000
	Peterson Road, 2.1 km	n/a	n/a	good		\$ 179,500
	Plantation Road, 2 km	n/a	n/a	good		\$ 168,000
	Pleasure Point Road, 0.9 km	n/a	n/a	fair		\$ 49,000
	Puffer Road, 0.2 km	n/a	n/a	good		\$ 12,500
	Queens Line Road, 5.3 km	n/a	n/a	good		\$ 423,000
	Ransley Road, 0.6 km	n/a	n/a	fair		\$ 38,000





ID No.	Asset Description	Age	Service Life	Condition	Value (2014 \$)	Replacement Cost (2014 \$)
	Red Umbrella Road, 0.9 km	n/a	n/a	fair	\$ 31,000	\$ 75,000
	Reynolds Road, 3.5 km	n/a	n/a	fair	\$ 127,000	\$ 234,500
	Roberston Road, 0.4 km	n/a	n/a	fair	1 1,75.5	\$ 35,500
	Ross Road, 0.1 km	n/a	n/a	good		\$ 9,000
	Sapling Road, 0.1 km	n/a	n/a	fair	\$ 4,000	\$ 5,500
	Scotch Line Road East, 7 km	n/a	n/a	fair	· · · · · · · · · · · · · · · · · · ·	\$ 604,500
	Shady Lane Drove, 0.2 km	n/a	n/a	fair	\$ 8,000	\$ 11,000
	Soyers Lake Road, 8.5 km	n/a	n/a	fair	·	\$ 591,500
	Sugar Bush Road, 0.1 km	n/a	n/a	fair	\$ 2,500	\$ 4,000
	Swan Road, 0.7 km	n/a	n/a	good	2,500	\$ 56,000
	Tait Trail Road, 0.5 km	n/a	n/a	fair	\$ 11,500	\$ 19,000
	Taylor Road, 0.4 km	n/a	n/a	fair	Ψ 11,500	\$ 25,000
	Tennyson Road, 1.8 km	n/a	n/a	good		\$ 135,000
	Tom Bolton Road, 2.8 km	n/a	n/a	good	\$ 89,500	\$ 89,500
	Tulip Road, 5.2 km	n/a	n/a	poor	\$ 387,000	\$ 397,000
	Twelve Mile Lake Road West, 2.4 km	n/a	n/a	fair	Ψ 307,000	\$ 211,500
	Voicey Road, 3.6 km	n/a	n/a	fair		\$ 257,000
	Welch Road, 0.4 km	n/a	n/a	fair	\$ 10,500	\$ 15,000
	West Road, 0.5 km	n/a	n/a	fair	\$ 10,500	\$ 42,500
	Wigamog Road, 2.5 km	n/a	n/a	good		\$ 210,000
	Wilma Road, 0.3 km	n/a	n/a	fair		\$ 16,500
	· · · · · · · · · · · · · · · · · · ·			fair		\$ 17,000
	Winding Creek Road, 0.2 km	n/a	n/a	Tair		\$ 17,000
	LUTTERWORTH					
	LUTTERWORTH					
	Bob Lake Road, 1.1 km	n/a	n/a	hoon		\$ 77,000
	Buller Road, 6.5 km			good		\$ 558,500
	Cecil Grant Road, 0.5 km	n/a	n/a	good		\$ 338,300
	Clear Lake Road, 3.6 km	n/a	n/a	good		\$ 302,500
	Country Court, 0.4 km	n/a n/a	n/a n/a	good		\$ 302,300
	Davis Lake Road, 0.3 km	n/a	n/a	good		\$ 35,500
				good		\$ 26,000
	Davis Lake Road, 9.4 km Denna Lake Road, 3.8 km	n/a	n/a	good		\$ 303,000
	,	n/a	n/a	good		
	Devils Lake Road, 0.5 km	n/a	n/a	good	¢ 52.500	
	Forsters Road, 1.4 km	n/a	n/a	fair		
	Green Gables Road, 0.5 km	n/a	n/a	poor	\$ 19,000	\$ 39,000
	Henderson Road, 1.1 km	n/a	n/a	poor	\$ 12,500	\$ 92,500
	Hoffman Road, 0.2 km	n/a	n/a			\$ 13,500
	Humphreys Road, 0.8 km	n/a	n/a	fair	Φ 146.500	\$ 56,000
	Hunter Creek Road, 2 km	n/a	n/a	fair		\$ 176,500
	Info Centre Road, 0.2 km	n/a	n/a	Ü		\$ 8,500
	Iron Mine Road, 6.2 km	n/a	n/a	•	\$ 243,500	\$ 329,000
	Little Bob Lake Road, 1.3 km	n/a	n/a			\$ 122,000
	Lutterworth Pines Road, 0.6 km	n/a	n/a	good		\$ 53,000
	Miners Bay Road, 1.7 km	n/a	n/a	good		\$ 150,000
	Misttivale Trail, 0.7 km	n/a	n/a			\$ 62,500
	Moore Lake Estate Road, 1.1 km	n/a	n/a	<u> </u>		\$ 91,000
	Murdock Road, 1.4 km	n/a	n/a			\$ 112,000
	Nye Line Road, 0.1 km	n/a	n/a	fair		\$ 8,500
	Pacific Road, 0.4 km	n/a	n/a		\$ 12,000	\$ 31,500
	Rackety Trail, 3.8 km	n/a	n/a	good		\$ 319,000





ID No.	Asset Description	Age	Service Life	Condition	Value	Replacement
					(2014 \$)	Cost (2014 \$)
	Ravine Road, 1.8 km	n/a	n/a	fair		\$ 133,000
	Rice Road, 1.3 km	n/a	n/a	good		\$ 103,500
	Sandy Bay Road, 1.5 km	n/a	n/a	fair	\$ 51,500	\$ 93,000
	Schaefer Road, 1.1 km	n/a	n/a	good		\$ 92,500
	Silver Road (Kinmount), 0.4 km	n/a	n/a	fair		\$ 28,000
	Sommerville Boundary, 3.7 km	n/a	n/a	fair		\$ 273,000
	Spar Lake Road, 2.8 km	n/a	n/a	fair	\$ 165,000	\$ 186,000
	Spring Valley Road, 2 km	n/a	n/a	good		\$ 161,000
	Starlight Road, 0.1 km	n/a	n/a	fair		\$ 8,500
	Swinsons Road, 3.7 km	n/a	n/a	good		\$ 284,500
	Water Access Road, 0.1 km	n/a	n/a	fair		\$ 4,000
	Wessel Road, 1.8 km	n/a	n/a	fair	\$ 106,500	\$ 113,500
	avery ev					
	SNOWDON					
	D D 1 271					d 202.500
	Bacon Road, 3.7 km	n/a	n/a	fair		\$ 302,500
	Conway Road, 1.8 km	n/a	n/a	fair		\$ 126,000
	Dancey Road, 0.2 km	n/a	n/a	fair		\$ 11,000
	Dexter Road, 0.3 km	n/a	n/a	fair		\$ 25,000
	Elm Road, 0.1 km	n/a	n/a	fair	ф 00.000	\$ 5,500
	Francis Road, 2.3 km	n/a	n/a	fair		\$ 129,000
	Geeza Road, 1.5 km	n/a	n/a	fair	\$ 61,500	\$ 84,000
	Hamilton Road, 1.7 km	n/a	n/a	fair	d 15.500	\$ 143,000
	Hancock Road, 0.4 km	n/a	n/a	fair	\$ 16,500	\$ 22,500
	Hospitality Road, 3.4 km	n/a	n/a	good		\$ 285,500
	Howland Junction Road, 1.1 km	n/a	n/a	good		\$ 77,000
	Irondale Road, 1.8 km	n/a	n/a	fair		\$ 164,000
	Jopling Road, 0.9 km	n/a	n/a	good		\$ 50,500
	Line Drive Road, 0.2 km	n/a	n/a	poor		\$ 8,500
	Lochlin Road, 1.1 km	n/a	n/a	fair	¢ 2.500	\$ 92,500
	Lot 17/18, 0.1 km	n/a	n/a	poor	\$ 2,500	\$ 7,000
	Lower Dutch Line, 0.9 km	n/a	n/a	fair		\$ 50,500
	Mark Twain Road, 0.7 km	n/a	n/a	good		\$ 39,000 \$ 17,000
	Milburn Hill Road, 0.3 km Millburn Road, 7.8 km	n/a n/a	n/a	fair fair	\$ 427,000	\$ 17,000 \$ 573,500
	Nicholls Road, 0.8 km	n/a	n/a	fair	\$ 427,000	\$ 52,000
	Porkys Road, 0.9 km	n/a	n/a n/a	fair	\$ 39.000	\$ 63,000
	Pringle Road, 0.5 km	,	,	poor		\$ 28,000
	Ritchies Falls Road, 2.7 km	n/a n/a	n/a n/a	poor fair		\$ 28,000
	Ritchies Falls Road, 2.7 km Ron Road, 1.1 km	n/a n/a			φ 100,500	\$ 214,500
	Salerno Lake Road, 3.6 km	n/a	n/a n/a	good fair		\$ 268,500
	Sandy Beach Road, 0.4 km	n/a	n/a	poor		\$ 208,300
	Sawdust Road, 0.3 km	n/a	n/a	good	Ψ 10,500	\$ 22,300
	Scotts Dam Road, 0.8 km	n/a	n/a	fair	\$ 27,000	\$ 67,000
	Sedgwick Road, 3.3 km	n/a	n/a	good	Ψ 21,000	\$ 252,000
	Silverwood Road, 0.7 km	n/a	n/a	fair		\$ 232,000
	Snowdon Park Road, 0.5 km	n/a	n/a	poor		\$ 49,000
	Station Street (Gelert), 0.3 km	n/a	n/a	good		\$ 25,000
	Thurslons, 0.3 km	n/a	n/a	good		\$ 23,000
	Upper Dutch Line Road, 1.5 km	n/a	n/a	good		\$ 73,500
	Vick Road, 1.5 km	n/a	n/a		\$ 82,500	\$ 105,000
	vick Roau, 1.5 kill	11/2	11/a	iair	φ 62,300	Ψ 105,000





ID No.	Asset Description	Age	Service Life	Condition	Value	Replacement
					(2014 \$)	Cost (2014 \$)
	Warder Road, 1 km	n/a	n/a	fair	\$ 69,000	\$ 84,000
	White Boundary Road, 4.7 km	n/a	n/a	poor		\$ 263,000
	Williams Road, 0.7 km	n/a	n/a	fair		\$ 39,000
LIAS-RO-0002	Streetlights	varies	varies	fair	\$ 6,500	\$ 124,000
	Cross Culverts, 4800m	varies	varies	fair	\$ 216,000	\$ 432,000
	Entrance Culverts, 2000m	varies	varies	fair	\$ 70,000	\$ 140,000
LIAS-SW-0001	Sidewalks, 6400m ²	varies	varies	fair	\$ 3,500	\$ 635,500
SEWER ANI	D WATER DISTRIBUTION:					
LIAC CE 0001	Sayor Maine Manhalas Valvas -t-	27	50	£-:	¢ 150,000	¢ 1 272 000
LIAS-SE-0001 LIAS-WT-0001	Sewer Mains, Manholes, Valves, etc. Reservoir and Water mains, Minden	37 years 37 years	50 years 50 years	fair fair		\$ 1,272,000 \$ 2,353,500
LIAS-W 1-0001	Water Tower	,		good		
LIAS-WT-0002	Lutterworth Water Mains	5 years	50 years		\$ 2,840,500	
LIAS-W 1-0002	Lutterworth water Mains	6 years	50 years	good	\$ 093,000	\$ 889,000
VEHICLES:						
VEHI-LI-0016	2003 Ford F450 XLCHAS 4X4	12 years	8 years	fair	\$ 1,000	\$ 66,500
VEHI-LI-0018	2007 Ford F150 4X4 Pickup	7 years	6 years	fair	\$ 1,000	\$ 37,000
VEHI-LI-0022	2003 International Truck	11 years	12 years	poor	\$ 16,000	\$ 204,000
VEHI-LI-0023	2005 Sterling Dump Truck	9 years	12 years	fair	\$ 42,500	\$ 204,000
VEHI-LI-0024	2004 Sterling Truck	11 years	12 years	fair	\$ 14,500	\$ 204,000
VEHI-LI-0025	2002 Volvo Tandem Snow/Dump	12 years	12 years	poor	\$ 1,000	\$ 204,000
VEHI-LI-0026	2002 Volvo Tandem Dump/Plow	13 years	12 years	poor	\$ 1,000	\$ 204,000
VEHI-LI-0028	2008 Ford F150 4X4 Pickup	6 years	6 years	good	\$ 1,000	\$ 36,000
VEHI-LI-0029	2008 Ford F150 4X4 Pickup	6 years	6 years	good		\$ 36,000
VEHI-LI-0032	2009 Ford F250 XL SC 4X4	5 years	8 years	good	\$ 16,000	\$ 46,500
VEHI-LI-0035	2010 International Plow & Wing	4 years	12 years	good	\$ 141,500	\$ 204,000
VEHI-LI-0038	2011 Ford F450 4x4 Crew Cab	3 years	8 years	good	\$ 47,000	\$ 87,000
VEHI-LI-0039	2013 Western Star Tandem Plow	2 years	12 years	good	\$ 157,500	\$ 211,500
	2014 Western Star Tandem Plow	1 years	12 years	good		\$ 211,500
	2013 Ford F150	1 years	8 years	good	\$ 27,500	\$ 32,000
VEHI-UN-0001	2006 Volvo Excavator	8 years	12 years	U	\$ 67,000	\$ 249,500
VEHI-UN-0002	1990 Tractor with 6 foot side mower	24 years	25 years	good		
VEHI-UN-0003	1997 New Holland Backhoe	17 years	12 years	good		\$ 125,000
VEHI-UN-0007	1987 Case 621 B Loader	27 years	12 years	fair		\$ 179,500
VEHI-UN-0008	1989 Agro Tractor model 620	25 years	20 years	fair		\$ 111,000
VEHI-UN-0009	2007 Volvo Grader - Model G940	6 years	12 years	U	\$ 121,500	\$ 273,500
VEHI-UN-0010	2009 New Holland Wheel Loader	5 years	12 years	good	\$ 107,500	\$ 204,000
VEHI-UN-0011	2010 New Holland Loader Backhoe	4 years	12 years	good	\$ 59,500	\$ 93,000





Appendix B

10 Year Financial Plan





ANNUAL REV	VENUES & ADMINISTRATIVE EXPENSES										
Item	Item Description					Ye	ar				
ID No.		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1	Revenues - Transportation										
	Fees and charges	\$ 40,000	\$ 41,000	\$ 41,500	\$ 42,500	\$ 43,500	\$ 44,000	\$ 45,000	\$ 46,000	\$ 47,000	\$ 48,000
	Taxation	\$ 1,870,000	\$ 1,907,500	\$ 1,945,500	\$ 1,984,500	\$ 2,024,000	\$ 2,064,500	\$ 2,106,000	\$ 2,148,000	\$ 2,191,000	\$ 2,235,000
	Penalty and interest income	\$ 75,000	\$ 76,500	\$ 78,000	\$ 79,500	\$ 81,000	\$ 83,000	\$ 84,500	\$ 86,000	\$ 88,000	\$ 89,500
	General Grants	\$ 455,000	\$ 464,000	\$ 473,500	\$ 483,000	\$ 492,500	\$ 502,500	\$ 512,500	\$ 522,500	\$ 533,000	\$ 544,000
	Total Revenue - Transportation	\$ 2,440,000	\$ 2,489,000	\$ 2,538,500	\$ 2,589,500	\$ 2,641,000	\$ 2,694,000	\$ 2,748,000	\$ 2,802,500	\$ 2,859,000	\$ 2,916,500
	Revenues - Environmental										
	User and application fees	\$ 1,010,500	\$ 1,030,500	\$ 1,051,500	\$ 1,072,500	\$ 1,094,000	\$ 1,115,500	\$ 1,138,000	\$ 1,160,500	\$ 1,184,000	\$ 1,207,500
	Frontage charges	\$ 13,500	\$ 13,500	\$ 13,500	\$ 13,500	\$ 13,500					
	Penalty and interest income	\$ 10,000	\$ 10,000	\$ 10,500	\$ 10,500	\$ 11,000	\$ 11,000	\$ 11,500	\$ 11,500	\$ 11,500	\$ 12,000
	Misc. Other	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
	Total Revenue - Environmental	\$ 1,035,000	\$ 1,055,000	\$ 1,076,500	\$ 1,097,500	\$ 1,119,500	\$ 1,127,500	\$ 1,150,500	\$ 1,173,000	\$ 1,196,500	\$ 1,220,500
	Total Revenue	\$ 3,475,000	\$ 3,544,000	\$ 3,615,000	\$ 3,687,000	\$ 3,760,500	\$ 3,821,500	\$ 3,898,500	\$ 3,975,500	\$ 4,055,500	\$ 4,137,000
2	Expenses										
	Operational Costs - Transportation	\$ 994,500	\$ 1,014,500	\$ 1,034,500	\$ 1,055,500	\$ 1,076,500	\$ 1,098,000	\$ 1,120,000	\$ 1,142,500	\$ 1,165,000	\$ 1,188,500
	Operational Costs - Environmental	\$ 588,000	\$ 600,000	\$ 612,000	\$ 624,000	\$ 636,500	\$ 649,000	\$ 662,000	\$ 675,500	\$ 689,000	\$ 702,500
	Total Expenses	\$ 1,582,500	\$ 1,614,500	\$ 1,646,500	\$ 1,679,500	\$ 1,713,000	\$ 1,747,000	\$ 1,782,000	\$ 1,818,000	\$ 1,854,000	\$ 1,891,000
	Surplus Available for Asset Management	\$ 1,892,500	\$ 1,929,500	\$ 1,968,500	\$ 2,007,500	\$ 2,047,500	\$ 2,074,500	\$ 2,116,500	\$ 2,157,500	\$ 2,201,500	\$ 2,246,000





ANNUAL COS	NUAL COSTS OF ASSETS											
Item	Asset					Annua	l Costs					
ID No.		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
BUILDINGS:												
BUIL-GA-0001	Garage - 5 Bay & Lunchroom - Patrol #1, Minden	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 6,000	\$ 6,000	
BUIL-GA-0002	Garage - Patrol #2, Lutterworth	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000		
BUIL-GA-0003	Salt & Sand Dome & Garage - Patrol #2, Lutterworth	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000		
	Garage - 4 Bay, Lunchroom & Office - Patrol #3, Kinmount	\$ 3,000		\$ 3,000				\$ 3,500				
	Sewage Treatment Plant, 73 Orde, Minden	\$ 165,000		\$ 225,000				\$ 46,000				
BUIL-OP-0013	Office, Lunchroom & Training Facility, Lutterworth	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000		\$ 1,000	\$ 1,000				
BUIL-OP-0014	Water (Potable) Treatment/Pumphouse, Minden	\$ 50,000		\$ 52,000			\$ 88,000	\$ 56,500				
BUIL-OP-0018	Lutterworth Water Treatment Plant	\$ 30,000	\$ 30,500	\$ 31,000	\$ 32,000	\$ 62,500	\$ 33,000	\$ 34,000	\$ 34,500	\$ 35,000	\$ 64,500	
BUIL-OP-0019	Pumping Station #1, 27 Orde Street	\$ 13,500	\$ 23,500	\$ 14,000	\$ 14,500	\$ 14,500	\$ 15,000	\$ 46,500				
	Pumping Station #2, 31 Invergordon Street	\$ 19,000	\$ 9,500	\$ 19,500	\$ 10,000	\$ 10,000	\$ 10,500	\$ 10,500		\$ 11,000		
BUIL-ST-0004	Sand & Salt Dome - Patrol #1, Minden (Fleming St)	\$ 500									\$ 500	
BUIL-ST-0005	Sand Dome - 3500 sq.m Patrol #3, Kinmount	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500		
BUIL-ST-0006	Salt Shed - 500 tonne - Patrol #3, Kinmount	\$ 500	\$ 500	\$ 500			\$ 500	\$ 500	\$ 500			
BUIL-ST-0007	Storage Building - Roads (Open Garage), Gelert	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500		
BUIL-ST-0008	Storage Barn behind Equipment Depot/Garage, Minden	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	
	Total Buildings	\$ 291,000	\$ 343,000	\$ 355,000	\$ 268,500	\$ 300,000	\$ 206,000	\$ 208,000	\$ 209,500	\$ 183,500	\$ 215,000	
EQUIPMENT:												
EQUI-MI-0003	Generator (GenSet) - Diesel, Portable c/w Trailer - Sewer Plant	\$ 1,000					,	\$ 1,000				
	Generator (GenSet) - Diesel - PS1	\$ 13,000		\$ 1,000			\$ 75,000	\$ 1,000				
	Generator (GenSet)- Deisel - Lutterworth Water Plant	\$ 1,000										
	Generator (GenSet) - Diesel, Portable c/w Trailer - Minden Water Plant	\$ 65,000										
	2004 Thompson Steamer	\$ 500										
EQUI-OP-0014	1992 Thompson Steamer	\$ 500			•	-	-	-		-	•	
	Total Equipment	\$ 81,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 79,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	
LAND IMPROV	EMENT:											
LAID A4: 0042	lun de la companya de											
LAIP-MI-0012	Lutterworth Estates Fencing, Hwy 35 Minden											





ANNUAL CO	STS OF ASSETS													
Item	Asset								Annual Costs					
ID		2014	2015		2016		2017		2018	2019	2020	2021	2022	2023
MUNICIPAL B	RIDGES:													
						1								
LIAS-BR-0001	Bridge – Sunnybrook (Length – 30.5m & Width – 11.0m)				\$ 1,000	\$		\$	1,000	(50,000	\$ 300,000	\$ 1,000	
	Bridge – Clergyhouse (Length – 5.6m & Width – 8.8m)				\$ 1,000	\$	5,000	\$	1,000	9	1,000		\$ 15,000	\$ 180,000
	Bridge – Mitchells (Length – 19.1m & Width – 5.0m)				\$ 1,000	\$	15,000	\$	65,000	9	1,000		\$ 1,000	· · · · · · · · · · · · · · · · · · ·
	Bridge – Irondale Road (Length – 29.3m & Width – 6.3m)				\$ 1,000	\$	5,000	\$	1,000		1,000		\$ 1,000	
LIAS-BR-0005	Bridge – Milburn Road (Length – 12.8m & Width – 4.3m)				\$ 1,000			\$	1,000	9	1,000		\$ 1,000	
LIAS-BR-0006	Bridge – Salerno Lake Road (Length – 19.3m & Width – 6.0m)				\$ 1,000	\$	13,500	\$	1,000	9	1,000		\$ 17,100	
LIAS-BR-0007	Bridge – Ritchie Falls Road (Length – 17.6m & Width – 5.7m)	\$ 24,500			\$ 1,000	\$		\$	70,000	9	1,000		\$ 1,000	
LIAS-BR-0008	Bridge – Sedgwick Road (Length – 16.3m & Width – 5.4m)				\$ 1,000	\$	8,000	\$	1,000	\$ 15,000	1,000		\$ 1,000	
LIAS-BR-0009	Bridge – Scott's Dam – Walking Bridge (Length – 5.1m & Width – 4.9m) (Pedestrian Bridge)							ТО В	E REMOVED IN	2017				
LIAS-BR-0010	Bridge – Soyer's Lake Road (Length – 5.1m & Width – 4.9m)				\$ 1,000	\$	1,000	\$	1,000		10,000		\$ 1,000	
LIAS-BR-0011	Bridge – Rackety Creek Culvert (Total Span: 3.8m) (Poured Concrete)				\$ 1,000	\$	1,000	\$	1,000	-	1,000		\$ 1,000	
LIAS-BR-0012	Bridge – Francis Road (Length – 9.1m & Width – 5.1m)				\$ 200,000	\$	1,000	\$	1,000		1,000		\$ 1,000	
LIAS-BR-0013	Bridge – Ritchie Falls Bridge 2 (Length – 9.3m & Width – 4.4m)				\$ 20,000	\$	172,500	\$	1,000	(1,000		\$ 1,000	
	Total Bridges	\$ 24,500	\$ ()	\$ 230,000	\$	222,000	\$	145,000	\$ 15,000 \$	70,000	\$ 300,000	\$ 42,000	\$ 180,000
MUNICIPAL R	OADS:													
LIAS-RO-0001	Roads													
	VILLAGE OF MINDEN													
	Allister Street, 0.1 km	\$ 500	\$	500	\$ 500	\$	500	\$	500	\$ 25,000 \$	500	\$ 500	\$ 500	\$ 500
	Anson Street, 0.7 km	\$ 1,000	\$	1,000	\$ 1,000	\$	1,000	\$	10,000	\$ 1,000 \$	1,000	\$ 1,000	\$ 1,000	\$ 1,000
	Archie Street, 0.1 km	\$ 500	\$	500	\$ 500	\$	500	\$	500	\$ 500 \$	500	\$ 500	\$ 500	
	Bobcaygeon Road, 1.3 km	\$ 802,000	\$	2,000	\$ 2,000	\$	2,000	\$	2,000	\$ 2,000 \$	2,500	\$ 2,500	\$ 2,500	
	Booth Crescent, 0.2 km	\$ 500	\$	500		\$	500	\$	500				\$ 500	\$ 500
	Candace Street, 0.1 km	\$ 500	\$	500		\$	500	\$	10,000	\$ 500 \$				\$ 500
	Chandos Street, 0.2 km	\$ 500		500		\$	500	\$	500					
	Donald Street, 0.2 km	\$ 500		500		\$	500	\$	500					
	Ferguson Street, 0.1 km	\$ 500		500		\$	500	\$	500					
	Fleming Road East, 0.4 km	\$ 500		500		\$	500	\$	500					\$ 500
	Fleming Road, 2.1 km	\$ 3,000		3,000		\$	3,000	\$	3,000					
	Floralan Park Road, 0.4 km	\$ 500		500		\$	500	\$	500					
	George Street, 0.2 km	\$ 500		500		\$	500	\$	500	\$ 25,000 \$				
	Golf Course Road, 0.3 km	\$ 500	\$	500	\$ 500	\$	500	\$	500	\$ 500 \$	500	\$ 500	\$ 500	\$ 500
	Highland Boulevard, 0.4 km	\$ 500		500			500	\$	500					
	Hunter Street, 0.1 km	\$ 500		500			500	\$	500					
	IGA Road, 0.1 km	\$ 500		500		\$	500	\$	500					
	Invergordon Avenue, 1.2 km	\$ 2,000		2,000		\$	2,000	\$	2,000					
	Knob Hill Court, 0.2 km	\$ 500		500		\$	500	\$	500					
	Lyons Street, 0.2 km	\$ 500		500		\$	500	\$	10,000					
	Main Street, 1 km	\$ 1,500		1,500		\$	1,500	\$	1,500					
	McKay Street, 0.4 km	\$ 500		500		\$	500	\$	500					
	McKnight Street, 0.2 km	\$ 500		500		\$	500	\$	500					
	McLeod Street, 0.1 km	\$ 500		500		\$	500	\$	500					
	McPherson Street, 0.2 km	\$ 500	\$	500	\$ 500	\$	500	\$	500	\$ 25,000 \$	500	\$ 500	\$ 500	\$ 500





ANNUAL COS	TS OF ASSETS										
Item	Asset						l Costs			-	
ID No.		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Milne Street, 0.2 km	\$ 500		•	-		-			•	
	Minden Park Street, 0.3 km	\$ 500									
	Newcastle Street, 0.6 km	\$ 1,000		\$ 1,000							
	Orde Street, 1.2 km	\$ 2,000		\$ 2,000							
	Parkside Street, 0.3 km	\$ 500									
	Payne Street, 0.1 km	\$ 500	-	-	-			-	-	-	
	Peck Street, 0.1 km	\$ 500					-	•			
	Prentice Street, 0.4 km	\$ 500									
	Prentiskoka Heights, 0.4 km	\$ 500				•					
	Prince Street, 0.6 km	\$ 1,000		\$ 1,000							
	Pritchard Street, 0.1 km	\$ 500									
	Rotary Park Road, 0.1 km	\$ 500									
	South Water Street, 1.1 km	\$ 1,500									
	St. Germaine Street, 0.3 km	\$ 500	-	-	-	•	-		-	-	
	Stouffer Street, 0.3 km	\$ 500				•	-				
	Teasdale Street, 0.1 km	\$ 500	-								
	Water Tower Road, 0.3 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	ANSON, HINDON & MINDEN										
	Alexander Road, 1.6 km	\$ 2,500									
	Ball Road, 0.1 km	\$ 500	-	\$ 500		-			•	-	
	Bat Lake Road, 4.7 km	\$ 7,000		\$ 7,500							
	Beer Lake Road, 1.1 km	\$ 1,500									
	Ben Road, 0.3 km	\$ 500				•		•	-		
	Bethel Road, 5.3 km	\$ 79,500		\$ 8,500		-					
	Blairhampton Road, 9 km	\$ 13,500		\$ 14,000							
	Bobcaygeon Road, 12.2 km	\$ 18,500		\$ 19,000			-				
	Boyd Road, 0.3 km	\$ 500		\$ 500		•	\$ 500				•
	Brady Lake Road, 7.4 km	\$ 100,000		\$ 97,500			\$ 12,000				
	Brigham Road, 2.2 km	\$ 3,500		\$ 3,500		-	\$ 4,000				
	Caribou Road, 2.4 km	\$ 3,500					' '			' '	· /
	Chambers Road, 1.3 km	\$ 2,000									
	Clarence Road, 0.2 km	\$ 500									
	Claude Brown Road, 1.7 km	\$ 2,500									
	Cold Springs Road, 0.2 km	\$ 500									
	Colonial Road, 0.3 km	\$ 500									
	Cox Farm Road, 2 km	\$ 40,000		-							
	Crooked House Road, 1.4 km	\$ 2,000		\$ 2,000							
	Curtiss Drive, 0.4 km	\$ 500									
	Dennison Road, 1.5 km	\$ 2,500									
	Duck Lake Road, 7.3 km	\$ 11,000		\$ 11,500							
	East Road, 0.5 km	\$ 1,000		\$ 1,000							
	Gainer Road, 0.4 km	\$ 500	-						-		•
	Grace Road, 0.6 km	\$ 1,000									
	Judge Jordan Road, 0.5 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
	Keewydin Road, 0.5 km	\$ 1,000	\$ 7,500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
	Kelson Road, 0.2 km	\$ 500			\$ 500			\$ 500			\$ 25,500
	Lakeside Drive, 1.7 km	\$ 2,500		\$ 2,500				·	•		
	Lochlin Road, 3.2 km	\$ 5,000		\$ 5,000							
	·	\$ 500			•			·			•





ANNUAL COST	TS OF ASSETS										
Item	Asset					Annua	l Costs				
ID No.		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Maeber Road, 1.1 km	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 2,000	\$ 2,000
	Mountain View Drive, 1.2 km	\$ 2,000	\$ 2,000	\$ 2,000			\$ 2,000	\$ 2,500	\$ 2,500		
	Nesbitt Road, 1 km	\$ 1,500		\$ 1,500	•						
	Old Ingoldsby Road, 1.2 km	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
	Omagaki Road, 0.3 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	Osprey Road, 1.8 km	\$ 2,500	\$ 54,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 3,000	\$ 60,000	\$ 3,000	\$ 3,000	\$ 3,000
	Peterson Road, 2.1 km	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500
	Plantation Road, 2 km	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	\$ 40,000
	Pleasure Point Road, 0.9 km	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500			\$ 2,000
	Puffer Road, 0.2 km	\$ 500		\$ 500	\$ 500	\$ 500			\$ 500	\$ 500	
	Queens Line Road, 5.3 km	\$ 8,000	\$ 8,000	\$ 8,500	\$ 8,500	\$ 8,500	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,500	\$ 120,000
	Ransley Road, 0.6 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
	Red Umbrella Road, 0.9 km	\$ 1,500	\$ 50,000	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 2,000	\$ 2,000
	Reynolds Road, 3.5 km	\$ 5,500	\$ 5,500	\$ 5,500	\$ 6,000	\$ 6,000			\$ 6,500	\$ 6,500	
	Roberston Road, 0.4 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	Ross Road, 0.1 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	Sapling Road, 0.1 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	Scotch Line Road East, 7 km	\$ 10,500	\$ 30,000	\$ 11,000	\$ 11,000	\$ 11,500	\$ 11,500	\$ 12,000	\$ 12,000	\$ 12,500	\$ 80,000
	Shady Lane Drove, 0.2 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	Soyers Lake Road, 8.5 km	\$ 13,000	\$ 13,500	\$ 13,500	\$ 14,000	\$ 14,000	\$ 14,500	\$ 14,500	\$ 15,000	\$ 15,000	\$ 15,500
	Sugar Bush Road, 0.1 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	Swan Road, 0.7 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
	Tait Trail Road, 0.5 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
	Taylor Road, 0.4 km	\$ 6,000	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500			\$ 500	
	Tennyson Road, 1.8 km	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
	Tom Bolton Road, 2.8 km	\$ 4,000		\$ 4,000							
	Tulip Road, 5.2 km	\$ 8,000	\$ 8,000	\$ 8,500	\$ 8,500	\$ 8,500	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,500	
	Twelve Mile Lake Road West, 2.4 km	\$ 37,500		\$ 3,500	\$ 3,500						
	Voicey Road, 3.6 km	\$ 5,500		\$ 5,500							
	Welch Road, 0.4 km	\$ 500			•		•			•	•
	West Road, 0.5 km	\$ 1,000		\$ 1,000							
	Wigamog Road, 2.5 km	\$ 4,000									
	Wilma Road, 0.3 km	\$ 500				-	-				
	Winding Creek Road, 0.2 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500
	LUTTERWORTH										
	LOTTERWORTH										
	Bob Lake Road, 1.1 km	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 2,000	\$ 2,000
	Buller Road, 6.5 km	\$ 10,000		\$ 10,500	•						
	Cecil Grant Road, 0.5 km	\$ 1,000		\$ 1,000			-				
	Clear Lake Road, 3.6 km	\$ 5,500		·	· · · · · · · · · · · · · · · · · · ·						
	Country Court, 0.4 km	\$ 500									
	Davis Lake Road, 0.3 km	\$ 500									
	Davis Lake Road, 9.4 km	\$ 14,000									
	Denna Lake Road, 3.8 km	\$ 5,500									
	Devils Lake Road, 0.5 km	\$ 1,000		\$ 1,000							
	Forsters Road, 1.4 km	\$ 2,000		\$ 2,000							
	Green Gables Road, 0.5 km	\$ 2,000		\$ 2,000							
	·	\$ 1,500		\$ 1,500							
	Henderson Road, 1.1 km Hoffman Road, 0.2 km				· · · · · · · · · · · · · · · · · · ·						
	,	\$ 500	-			·				·	
	Humphreys Road, 0.8 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1





ANNUAL COS	TS OF ASSETS										
Item	Asset					Annua	l Costs				
ID No.		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Hunter Creek Road, 2 km	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 3,500	\$ 3,500	
	Info Centre Road, 0.2 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	
	Iron Mine Road, 6.2 km	\$ 9,500	\$ 9,500	\$ 10,000	\$ 10,000	\$ 10,500	\$ 10,500	\$ 10,500	\$ 11,000	\$ 11,000	\$ 11,500
	Little Bob Lake Road, 1.3 km	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	
	Lutterworth Pines Road, 0.6 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
	Miners Bay Road, 1.7 km	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
	Misttivale Trail, 0.7 km	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	
	Moore Lake Estate Road, 1.1 km	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 2,000	
	Murdock Road, 1.4 km	\$ 2,000		\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	
	Nye Line Road, 0.1 km	\$ 500									
	Pacific Road, 0.4 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	
	Rackety Trail, 3.8 km	\$ 5,500	\$ 5,500	\$ 5,500	\$ 6,000	\$ 100,000	\$ 6,000	\$ 6,000	\$ 6,500	\$ 6,500	
	Ravine Road, 1.8 km	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	
	Rice Road, 1.3 km	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 20,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500
	Sandy Bay Road, 1.5 km	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
	Schaefer Road, 1.1 km	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 2,000	\$ 2,000
	Silver Road (Kinmount), 0.4 km	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	
	Sommerville Boundary, 3.7 km	\$ 5,500		\$ 5,500	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,500		
	Spar Lake Road, 2.8 km	\$ 4,000	\$ 4,000	\$ 21,000	\$ 4,000	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	
	Spring Valley Road, 2 km	\$ 3,000		\$ 3,000							
	Starlight Road, 0.1 km	\$ 500		•	•	-					
	Swinsons Road, 3.7 km	\$ 5,500		-		-	-				
	Water Access Road, 0.1 km	\$ 500				-	-				
	Wessel Road, 1.8 km	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000
	SNOWDON										
	Bacon Road, 3.7 km	\$ 5,500		\$ 5,500							
	Conway Road, 1.8 km	\$ 2,500		\$ 2,500							
	Dancey Road, 0.2 km	\$ 500	-				•	•			
	Dexter Road, 0.3 km	\$ 500									
	Elm Road, 0.1 km	\$ 500									
	Francis Road, 2.3 km	\$ 3,500			<u> </u>						
	Geeza Road, 1.5 km	\$ 2,500									
	Hamilton Road, 1.7 km	\$ 2,500		\$ 2,500							
	Hancock Road, 0.4 km	\$ 500				-	-				•
	Hospitality Road, 3.4 km	\$ 5,000		\$ 100,000							
	Howland Junction Road, 1.1 km	\$ 1,500		\$ 1,500							
	Irondale Road, 1.8 km	\$ 2,500			•			·			
	Jopling Road, 0.9 km	\$ 1,500									
	Line Drive Road, 0.2 km	\$ 500				-					
	Lochlin Road, 1.1 km	\$ 1,500									
	Lot 17/18, 0.1 km	\$ 500									
	Lower Dutch Line, 0.9 km	\$ 1,500									
	Mark Twain Road, 0.7 km	\$ 1,000									
	Milburn Hill Road, 0.3 km	\$ 500				·					•
	Millburn Road, 7.8 km	\$ 11,500		\$ 12,000	· · · · · · · · · · · · · · · · · · ·						
	Nicholls Road, 0.8 km	\$ 1,000		\$ 1,000	•						
	Porkys Road, 0.9 km	\$ 1,500		\$ 1,500	· · · · · · · · · · · · · · · · · · ·						
	Pringle Road, 0.5 km	\$ 1,000		\$ 1,000	· · · · · · · · · · · · · · · · · · ·						
	Ritchies Falls Road, 2.7 km	\$ 4,000	\$ 80,500	\$ 4,000	\$ 4,000	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 4,500	\$ 5,000





ANNUAL COS	TS OF ASSETS												
Item	Asset	Annual Costs											
ID No.		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
		4.500	4.500	4.500	4.500	4.500	4.500	A 4.500	4 1500 4	2.000	A 2 2000		
	Ron Road, 1.1 km	\$ 1,500					\$ 1,500			2,000			
	Salerno Lake Road, 3.6 km	\$ 5,500 \$ 500		\$ 5,500			\$ 6,000			6,500			
	Sandy Beach Road, 0.4 km Sawdust Road, 0.3 km	\$ 500	-	\$ 500 \$ 500			\$ 500 \$ 500	-		500 500			
	Scotts Dam Road, 0.8 km	\$ 1,000	•	\$ 1,000			\$ 1,000	•		32,000			
	Sedgwick Road, 3.3 km	\$ 5,000		\$ 5,000			\$ 5,500			6,000			
	Silverwood Road, 0.7 km	\$ 1,000		\$ 1,000			\$ 1,000			1,000			
	Snowdon Park Road, 0.5 km	\$ 1,000		\$ 1,000			\$ 1,000			1,000			
	Station Street (Gelert), 0.3 km	\$ 500		\$ 500			\$ 500	·	\$ 500 \$	500			
	Thurslons, 0.3 km	\$ 500		\$ 500			\$ 500			500			
	Upper Dutch Line Road, 1.5 km	\$ 2,500		\$ 2,500			\$ 3,000			3,000			
	Vick Road, 1.5 km	\$ 2,500		\$ 2,500			\$ 3,000			3,000			
	Warder Road, 1 km	\$ 1,500		\$ 1,500			\$ 1,500			2,000			
	White Boundary Road, 4.7 km	\$ 7,000		\$ 7,500			\$ 7,500			8,000			
	Williams Road, 0.7 km	\$ 1,000		\$ 1,000			\$ 1,000			1,000			
	·	, , ,					,	,		ŕ	,		
	Road Construction - Pending Updated Needs Study due in 2014			\$ 400,000	\$ 408,000	\$ 416,000	\$ 424,500	\$ 433,000	\$ 441,500 \$	450,500	\$ 459,500		
	Total Roads	\$ 1,460,000	\$ 1,008,500	\$ 1,061,000	\$ 1,068,500	\$ 1,228,000	\$ 1,127,000	\$ 1,125,500	\$ 1,143,500 \$	1,390,000	\$ 1,434,000		
LIAS-RO-0002	Various Streetlights - Minden, Carnarvon, Ingoldsby, Irondale	\$ 1,500	\$ 1,500	\$ 1,500			\$ 1,500			2,000			
	Cross Culverts, assumed 300 @ 16m lengths (4800m) and 600mm diameter	\$ 50,000		\$ 52,000			\$ 55,000			58,500	\$ 60,000		
	Entrance Culverts, assumed 500 @ 4m lengths (2000m) and 450mm diameter)	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500 \$	6,000	\$ 6,000		
LIAS-SW-0001	Various Sidewalks, 6400m ²	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500 \$	500	\$ 500		
	Total Other Roads	\$ 57,000	\$ 58,000	\$ 59,000	\$ 60,500	\$ 61,500	\$ 62,500	\$ 64,000	\$ 65,000 \$	67,000	\$ 68,500		
SEWER AND W													
	Sewer Main Rehabilitation - 300 metres/year				\$ 95,500	\$ 97,500	\$ 99,500	\$ 101,500	\$ 103,500 \$	105,500	\$ 107,500		
	Water Main Rehabilitation - 300 metres/year				\$ 95,500	\$ 97,500	\$ 99,500	\$ 101,500	\$ 103,500 \$	105,500	\$ 107,500		
LIAS-SE-0001	Sewer Mains, Manholes, Valves, etc.	\$ 22,500	\$ 23,000	\$ 23,500	\$ 24,000	\$ 24,500	\$ 25,000	\$ 25,500	\$ 26,000 \$	26,500			
LIAS-WT-0001	Water Storage Reservoir & Water Mains, Minden	\$ 32,500	\$ 12,500	\$ 13,000			\$ 13,500	\$ 14,000	\$ 14,000 \$	14,500	\$ 14,500		
	Water Tower	\$ 27,500					\$ 3,000			18,000	\$ 3,000		
Sand Sawd Sawd Scott Sedg Silve Snow Stati Thur Uppe Vick Ward Willi Willi Willi Willi Snow Stati Thur Uppe Vick Ward White Willi Willi Willi Stati Sewd Stati Tota Sewd Stati Sewd Wate Sewd Wate Sewd Wate Sewd Wate Sewd Sewd	Lutterworth Water Mains	\$ 10,000		-			\$ 11,000			11,500	\$ 12,000		
	Total Sewer and Water Distribution	\$ 92,500	\$ 48,000	\$ 59,500	\$ 251,000	\$ 246,500	\$ 251,500	\$ 282,000	\$ 261,500 \$	281,500	\$ 271,500		
VEHICLES:													
VEHI-LI-0016	2003 Ford F450 1 Ton XLCHAS 4X4	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000								
	2007 Ford F150 4X4 Pickup	\$ 2,000											
VEHI-LI-0022	2003 International Truck c/w Plow & Sanding Equipment	\$ 7,000											
VEHI-LI-0023	2005 Sterling Dump Truck c/w Plow & Sanding Equipment	\$ 7,000		\$ 7,500									
	2004 Sterling Truck c/w Plow Equipment	\$ 7,000	\$ 7,000	\$ 7,500									
	2002 Volvo Tandem Axle Snowplow/Dump VHD												
	2002 Volvo Tandem Axle Dump Truck, Model VHD64B c/w Plow Equipment												
	2008 Ford F150 4X4 Pickup	\$ 2,000											
VEHI-LI-0029	2008 Ford F150 4X4 Pickup	\$ 2,000		\$ 2,000									
VEHI-LI-0032	2009 Ford F250 XL SC 4X4	\$ 3,000		\$ 3,000			\$ 1,000			1,000	\$ 1,000		
VEHI-LI-0035	2010 International Truck c/w Plow & Wing Serial# 1HTWYAHT9AJ220890	\$ 7,000		\$ 7,500			\$ 7,500						
VEHI-LI-0038	2011 Ford F450 4x4 Crew Cab 1 Ton with Plow VIN# 1FD0X4HT9BEC83176	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 3,500	\$ 3,500	\$ 3,500				





ltem	Asset	Annual Costs											
ID No.		2	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
HI-LI-0039	2013 Western Star Tandem Plow VIN# 5KKHAXDV0DPBY0335	\$	7,000										
	2014 Western Star Tandem Plow VIN# 5KKHAXDV7EPFR6352	\$	7,000		\$ 7,500		,	•		\$ 8,000	\$ 8,000	\$ 8	
	2013 Ford F150 VIN# 1FTFX1EF0DKE89955	\$	2,000		\$ 2,000		,	\$ 2,000					
HI-UN-0001	2006 Volvo Excavator – with brush head, gradall bucket and rock bucket	\$	13,000		\$ 13,500		T/			\$ 15,000			
HI-UN-0002	1990 Tractor Model 345-C – with 6 foot side mower	\$	2,000		\$ 2,000		\$ 2,000	\$ 2,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2	
HI-UN-0003	1997 New Holland Backhoe Model #555	\$	1,500										
HI-UN-0007	1987 Case 621 B Loader	\$	2,500		\$ 2,500								
EHI-UN-0008	1989 Agro Tractor model 620 c/w Rotory Mower	\$	2,000						\$ 2,500	\$ 2,500	\$ 2,500	\$ 2	
HI-UN-0009	2007 Volvo Grader - Model G940 Serial# 40567	\$	10,000										
HI-UN-0010	2009 New Holland W170B Wheel Loader Serial# N9F206680	\$	2,500		\$ 2,500								
HI-UN-0011	2010 New Holland B95B Tractor Loader Backoe Serial# NAGH00585	\$	1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1	
	New Purchases:												
	Tandem	\$	200,000		\$ 214,000		T =-/	•					
	Pickup			\$ 35,000	\$ 37,000	\$ 39,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 44,000			
	Excavator									\$ 241,000			
	Heavy Equipment						\$ 95,000	\$ 236,500	\$ 268,000	\$ 4,500	\$ 4,500	\$ 4	
	1 Ton						\$ 85,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ 93,000	\$ 6	
	Calcium Tank	\$	35,000										
	Total Vehicles	\$	327,500	\$ 326,000	\$ 336,000	\$ 375,500	\$ 277,500	\$ 336,500	\$ 360,500	\$ 374,500	\$ 396,500	\$ 345	
	TOTAL	\$	2,355,500	\$ 1,801,500	\$ 1,994,500	\$ 2,092,000	\$ 2,187,500	\$ 2,127,500	\$ 2,116,500	\$ 2,126,000	\$ 2,397,500	\$ 2,409	
ACII CUDDU	IC (DEFICIT)	l A	(455, 555)		+ (as asa)	4 (04.700)	* (4.40.000)	4 (75,000)	٠	4 24 222	(405,000)	A 4450	
ASH SURPLU	JS (DEFICIT)	\$	(463,000)	\$ 128,000	\$ (26,000)	\$ (84,500)	\$ (140,000)	\$ (53,000)	\$ 0	\$ 31,500	\$ (196,000)	\$ (163,	
TERNAL FU	JNDING REQUIREMENTS												
		2	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
					I	I							



