

# "Level of Service Framework"

Prepared for:

# The Township of East Hawkesbury

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### **Glossary of Terms**

Level of Service	Technical Level of Service (TLoS) is measured through a performance condition indexes, remaining useful life, inspections or various asset attributes including number of deficiencies.		
Baseline weight	Baseline Weight is a numeric value assigned to each asset category as a starting position or handicapping. Baseline weight enables the municipality to prioritize the asset category with relationship to other municipal assets		
PoF	Probability of failure (POF) is a rationalized value for level of service, derive from a number of factors including, the condition rating of an asset, the remaining useful life, the priority and network value of the asset.		
CoF	Consequence of failure (COF) is rationalized from 5 key attributes associated to risk. These are; environmental, financial, Health and safety, Legal and Operational conditions. These conditions, descriptions and details outline the severity of the consequence associated with each attribute		
Risk	Risk is a combination as PoF and CoF which identifies the ramifications associated with a lack of action		
Risk Matrix	<ul> <li>Risk matrix corresponds to conditions ranging from negligible to serious</li> <li>Very High Risk: Maximum risk mitigation measures should be in place, together with recovery plans, and availability of critical spares.</li> <li>High Risk: risk mitigation measures should be in place providing layers of deterrence, high probability of detection, and rapid effective response. Insurance coverage is essential but may not be able to provide adequate coverage to prevent significant liability.</li> <li>Moderate Risk: Risk should be managed by the introduction of mitigation strategies and operational procedures.</li> <li>Low Risk: Minimal risk mitigation measures necessary. Risk should be managed through operational procedures, or accepted as a low business risk.</li> </ul>		
MMS O.Reg. 239/02	Minimum maintenance standards were developed to provide municipalities with a defence against liability from actions arising with regard to levels of care on roads and bridges. Regulation 239/02, which came into force on November 1, 2002, contains the minimum maintenance standards		
O.Reg. 588/17	On January 1, 2018, Ontario Regulation 588/17: Asset Management Planning for Municipal Infrastructure came into effect. The regulation sets out requirements for municipal asset management planning to help municipalities better understand their infrastructure needs and inform infrastructure planning and investment decisions		

# Phase-in schedule

July 1, 2019: Date for municipalities to have a finalized strategic asset management policy that promotes best practices and links asset management planning with budgeting, operations, maintenance and other municipal planning activities.

July 1, 2022: Date for municipalities to have an approved asset management plan for core assets (roads, bridges and culverts, water, wastewater and stormwater management systems) that identifies current levels of service and the cost of maintaining those levels of service.

July 1, 2023: Date for municipalities to have an approved asset management plan for all municipal infrastructure assets that identifies current levels of service and the cost of maintaining those levels of service.

July 1, 2024: Date for municipalities to have an approved asset management plan for all municipal infrastructure assets that builds upon the requirements set out in 2023. This includes an identification of proposed levels of service, what activities will be required to meet proposed levels of service, and a strategy to fund these activities

### Objectives as defined by the Ontario reg. 588/17

A municipality's asset management plan must include for each asset category, the current levels of service being provided, determined in accordance with qualitative descriptions and technical metrics based on data from at most the two calendar years prior to the year in which all information required under this section is included in the asset management plan.

For each asset category, a summary of the assets in the category, the replacement cost of the assets in the category, the average age of the assets in the category, determined by assessing the average age of the components of the assets, the information available on the condition of the assets in the category, and a description of the municipality's approach to assessing the condition of the assets in the category, based on recognized and generally accepted good engineering practices where appropriate.

For each asset category, the lifecycle activities that would need to be undertaken to maintain the current levels of service for each of the 10 years following the year for which the current levels of service are determined and the costs of providing those activities based on an assessment of the following: The full lifecycle of the assets, the options for which lifecycle activities could potentially be undertaken to maintain the current levels of service and the risks associated with the options.

### **Council Responsibility**

- Member of council play an important role in validating municipal level of service. Not only through the policies that they adopt, the yearly review and the ongoing involvement when levels are adversely affected.
- Council must be educated on the asset management strategies which comprise of lifecycle events in order to reduce risk impact.
- Council's responsibility is to provide direction to staff while supporting qualified staff in their choices.
- The frequency of these reviews should be established and followed by staff as part of the Asset Management Policy
- Validate and support the amount of time it will take to reach expected Levels of Service

### **Asset Management Components**

Accurate and detailed asset inventory

- a summary of the assets in the category
- condition of the assets in the category
- the average age of the assets in the category
- operations, such as increased maintenance schedules

Lifecycle Management

- The options for which lifecycle activities could potentially be undertaken to maintain the current levels of service.
- The lifecycle activities undertaken for the lowest cost to maintain the current levels of service
- Lifecycle management and financial strategy that sets out the following information with respect to the assets in each asset category for the 10-year period.

Level of Service

- Establishing Level of services
- The risks associated with the options

#### **Financial Controls**

- An estimate of the annual costs for each of the 10 years of undertaking the lifecycle activities separated into capital expenditures and significant operating costs.
- the replacement cost of the assets in the category
- If based on the funding projected to be available, the municipality identifies a funding shortfall for the lifecycle activities
- An identification of the annual funding projected to be available to undertake lifecycle activities and an explanation of the options examined by the municipality to maximize the funding projected to be available.

Municipal Engagement

- municipal residents and other interested parties to provide input
- Service request associated to location, deficiency type, action required and associated photos. Input deficiency, create work orders, and manage the repairing, the deadlines and follow up comments.

### Level of Service Policies

The core purpose of a Township is to provide services to residents and other stakeholders. Physical assets are simply a portion of what is required to deliver the various levels of service as determined by the Township. The Township needs to ensure that the infrastructure performs to meet the level of service goals at an affordable and sustainable cost. An objective of Levels of Service analysis is to find a balance between the expected levels of service and the cost of providing that level of service. Determining municipal level of service policies requires first developing a baseline for acceptable and affordable levels of service. This is done by first examining present-day service levels, community needs, regulatory or legal obligations and the cost of service delivery. Once present-day service levels have been examined, this baseline can be compared against level of service expectations.

#### The Process

#### Levels of Service analysis may involve:

- 1. Developing
  - Customer vs. Technical Levels of Service
  - Current vs. Expected Levels of Service
  - Use of performance measures
  - Financial validation
- 2. Communication
  - Receive input from staff
  - Receive input from citizens
  - Communicate the Levels of Service to stakeholders
  - Council approval of Levels of Service strategies
- 3. Update
  - Updating the Levels of Service Analysis on a yearly basis

### Level of Service Overview

LoS is a balance between user expectations for overall quality, performance, availability and safety versus affordability.

Level of Service requires asset category, performance measurement, a current measurement, a target measurement, an achievement date, an approximate cost and a priority assigned to each performance measurement.

AMPs typically comprise of theoretical models which need to be vetted against operational models concluding with practical realities. LoS can be considered the practical component of an AMP. Operational and practical data is used to establish and validate LoS which in turn will feed into the financial component. This closed-loop approach will either validate the AMP or indicate required changes to the financial strategy. LoS is a key driver which influences asset management decisions, and depending on asset type can be either condition or age based.

LoS outlines the overall quality, performance, availability and safety of the service being provided. LoS contains a number of distinct categories:

- Service Identification
- Financial
- Municipal risk
- Community Expectations
- Technical component
- Strategic component

### Community

Community levels of service outline the overall quality, performance, availability and safety of the service being provided. Level of service is a balance between user (customer) expectations for overall quality, performance, availability and safety of infrastructure assets with a cost that is affordable.

LoS should reflect the priorities and expectations of the community. At some point it is necessary to ensure that the services provided does in fact reflect the community's priorities and expectations. It may also be important to determine if the services provided are at a level that the community finds acceptable or if those service levels should be increased or decreased.

Technical levels of service outline the operating, maintenance, rehabilitation, renewal and upgrade activities expected to occur. Level of service is a balance between user (customer) expectations for overall quality, performance, availability and safety of infrastructure assets with a cost that is affordable. Concurrent with the development/revision of customer levels of service, technical levels of service must be considered that also look at the risk associated with providing the service. Proposed targets for community and technical levels of service should be included as part of the asset management. Performance measures should be developed and the actual results achieved reported annually.

### Financial investment

The management of physical assets, their selection, maintenance, inspection and renewal plays a key role in determining the operational performance and viability of organizations that operate assets as part of their core business. LoS typically comprise of theoretical models which need to be vetted against practical realities. Operational data is used to establish and validate LoS which in turn will feed into the financial component. This closed-loop approach will either validate the LoS strategies or indicates required changes to the financial strategy.

#### LOS Matrix

Determining the desired levels of service for core asset type is achieved with consideration of a number of factors including costs, user expectations and government mandated and minimum requirements.

LOS outlines the overall quality, performance, availability, and safety associated to municipal assets and services. Each asset category can have its own Key Performance Indicator, current measurements, target measurements, achievement date, approximate costs associated to each component and a priority listing based on staff and council consensus.

There are three (3) distinct categories of LoS:

- Municipal risk
- Asset Life Cycle cost implications
- Financial Options

LoS outlines the overall quality, performance, availability and safety of the service being provided. Technical levels of service (TLS) outline the operating, maintenance, rehabilitation, and renewal strategies. LoS is a balance between user expectations for overall quality, performance, availability and safety versus affordability

Technical levels of service (TLS) outline the operating, maintenance, rehabilitation, and renewal strategies. Technical levels of service outline the operating, maintenance, rehabilitation, renewal and upgrade activities expected to occur. Technical levels of service must also consider the risk associated with providing the service. Proposed targets for customer and technical levels of service must be included as part of the asset management strategy. Performance measures should be developed, and the actual results achieved reported and updated annually.

The target levels of service must be reviewed on a regular basis to determine if they are appropriate and achievable. Consideration should be given to risk and cost in the development of target levels of service.

All assets carry a level of risk for their users. Generally, when conducting risk assessment, two key factors that come into consideration are frequency of use and cost of improvement. Acceptable levels of risk may vary depending on their frequency of use.

	Waste Water	Roads	Bridges and Culverts
Condition	<ul> <li>Number of blocked sewers per 1 km length</li> <li>Percentage of length cleaned</li> <li>Number of waste water main back-ups relative to the age</li> <li>System length tested for leakage per km length</li> <li>Percentage of length CCTV inspected</li> </ul>	<ul> <li>Performance Condition Index (PCI)</li> <li>Roughness Index (RI)</li> <li>Surface condition Index (SCI)</li> <li>Number of crack seal/km/year</li> </ul>	OSIM inspections
Capacity	<ul> <li>Number of reported overflows due to capacity per 1 km length</li> <li>Number of reported blocked service connections per 10 service connections</li> <li>Number of connections with sanitary flooding per 10 service connections</li> </ul>	Accommodate safe traffic flow	Bridge Condition Index (BCI)

Summary of Performance Measures for the core Municipal Infrastructure Assets

### PoF Matrix

PoF	Rating	Age Based	<b>Condition Index</b>	Score Card
1	Excellent	0-10%of UL	90 – 100	Α
2	Good	11-25 % of UL	75 - 89	В
3	Fair	26-50 % of UL	50 - 74	С
4	Poor	51-65 % of UL	35 - 49	D
5	Severe	66 > % of UL	<34	E

### Data validation / migration

#### Infrastructure Data

Valid and current data is the heart and soul of any LoS strategy. Assets must be defined by proper topology with unique identification allowing infrastructure data to be linked to the existing database.

#### **Network Topology**

Network topology defines the interconnection of links and, optionally, nodes at link junctions. Networks may contain loops. Network segments have a specified direction.

#### Accurate and updated Inventory

Key items;

- Collecting accurate and standardized inventory
- Component breakdown
- Location
- Condition
- Lifecycle events
- Photos attachment

The Inventory repository must store detailed attributes associated to individual assets. Each asset listing can capture a variety of information from the physical location to the more specific details such as make, model and serial number of any item. Data is enriched by progressively capturing additional detailed attributes associated to Location, Map, Attachments, Geometry, Inventory, and Conditions.

#### Lifecycle History

Collect historical condition ratings from Roads needs study or from other sources. This detailed information provides a visual snapshot of the trends for each road section.

Attachments: Attaching documents such as photos of assets, legal documents, and technical documents offer validation that work is either needed or being successfully implemented

Deficiencies: Input the number and type of yearly deficiencies identified on each road section. Separate those between MMS, Non MMS, and citizen received

Invoices: Have the operation staff electronically collect all invoices for work done on each road. Use this data to compare financial investments required to maintain the asset. Run yearly comparisons to seed if other lifecycle events should be considered.

Lifecycle Event: The money invested on an asset is linked to the lifecycle event. As work is being completed, operation staff input the date and the new values are automatically updated to that asset.

Budget: Empower operation staff to create a high-level budget requirement

Finance: A view into the invoice expenses, funding requirement and budget allocation per asset.

Adoption of lifecycle strategies such as maintenance, rehabilitation, reconstruction and measure their effectiveness through the collection of condition ratings. For roads lifecycle events may include;

- Grading
- Maintenance activities
- Crack Sealing of HCB Roads
- Annual Right-of-way brushing and ditch cleaning
- Culvert flushing
- Dust suppression

### **Financial**

Financial data is linked to the inventory for increased continuity, and offers access to lifecycle details, financial forecasting and associated levels of Risk. Year over year this will help the municipality get a better understanding of what it will cost them to maintain all of their assets and where to dedicate their funds. The expectation is to link revenue to the asset's lifecycle events as well as the PoF and CoF

#### Invoices

Attaching invoice and track annual maintenance associated to an asset validates necessary dollar investment. Staff will electronically collect all invoices for work done on each asset. Use this data to compare financial investments required to maintain the asset. Run yearly comparisons to seed if other lifecycle events may be considered.

### Lifecycle costing

Establish actual costs that a municipality validates through tenders and quotes associated with each lifecycle treatment.

### Managing the deficit;

- Increasing municipal taxes
- Implementing or increasing user fees
- Accept decreased levels of service

#### **Financial ramifications**

- Capital cost
- Operational cost
- Maintenance cost
- Replacement cost

### Calculating replacement cost

For linear asset replacement cost is calculated by multiplying the length of the asset times the cost of the specific lifecycle event.

For point assets the replacement cost is calculated by manufactures price list.

### Data Validation and visualization

#### Accurate inventory

•

- Accurate inventory
  - Sufficient fields of information
  - Proper structure
  - Dates such as installation, replacement, useful life
  - Current condition ratings utilizing any criteria such as PCI or percentage of Remaining Useful Life
- Calculating Total km of infrastructure broken down into major categories
- Connecting Components to standards
  - Road assets connected to MMS standards; Gravel, HCB, LCB ......
- Establishing and Validated lifecycle event strategies
  - o such as maintenance, rehabilitation, reconstruction
- Consistent Condition evaluation methodology
  - Piped linear to include flushing, camera inspections, relining
  - Financial constraints, validate replacement costs
    - o square meter costs per unit of roads
    - o linear meter costs for piped infrastructure
- Data Visualization
  - Utilizing a variety of tools to visualize location of assets.
  - This may include photos, videos, integration to corporate GIS solution as well as links into Google Maps.
- 10-year capital plan

Asset Matrix		
category	Туре	Confidence
roads	roads	Very Good
	Sidewalks	Very Good
Bridges and culverts	bridges	Excellent
	Culverts >3	Excellent
	Culverts <3	Very Good
Storm water	Storm lines	Good
	Catch basins	Average
	manholes	Average
	culverts	Average
Waste water	Sewer lines	Good
	Manholes	Good

### Asset Condition Information

category	Туре	Current Condition rating	Optimal condition rating
roads	roads	Estimated useful life	PCI
	Sidewalks	Estimated useful life	inspections
	gutters	Estimated useful life	inspections
	Point	Estimated useful life	inspections
	furniture		
Bridges and culverts	bridges	Estimated useful life	OSIM
	Culverts >3	Estimated useful life	OSIM
	Culverts <3	Estimated useful life	inspections
Storm water	Storm lines	Estimated useful life	inspections
	Catch basins	Estimated useful life	inspections
	manholes	Estimated useful life	inspections
	culverts	Estimated useful life	inspections
Waste water	Sewer lines	Estimated useful life	inspections
	Manholes	Estimated useful life	inspections

### Asset attributes

Asset category	Asset attributes	Data collection
road	Area square	$\checkmark$
	Road class	$\checkmark$
	Surface material	$\checkmark$
	date	
storm	Length	✓
	diameter	$\checkmark$
	Material	$\checkmark$
	date	
sanitary	Length	$\checkmark$
	diameter	$\checkmark$
	Material	$\checkmark$
	date	
bridges	length	$\checkmark$
	span	$\checkmark$
	classification	$\checkmark$
	date	

#### **Prioritization Matrix**

Assigning a base line value from 10 - 50 for each municipal asset category will enable to prioritize and compare various asset categories. Is a road more important than a waterline, more important than a firetruck?

### Probability of Failure (PoF)

Begin by establishing a desired level of service. For road assets it may be a PCI rating of 75.

Not all assets deteriorate at the same level. For certain road assets PoF may be associated to PCI rating of 75, for other assets such as water it may be remaining useful life. In some cases, the deterioration may be quantitative as 2 pci per year while others may be based on asset longevity. As the assets deteriorate the probability of failure increases. POF for an asset category such as roads requires a combination of attributes including baseline weight, material, classification, condition rating and useful life. These values are normalized to a value from 1-5. The condition rating and useful life are matched against a desired level of service for a visual representation. The results are including percentage weight produce a PoF rating from 1-5

### Consequence of Failure (CoF)

Not all assets pose the same level of risk. Even within the same category a road in front of a hospital, over a body of water, or a main road versus a cottage road pose different risk or consequence of failure. CoF can be derived for each asset category from the calculation of an asset category baseline weight, and 5 criteria including; safety, operational, environment, finance, and legal.

### **Risk Components**

**Environmental conditions**; Values from 1- 10 with associated description and details outlining the severity of the consequence associated to the environment

**Financial conditions**; Values from 1- 10 with associated description and details outlining the severity of the consequence associated to the financial

**Health and safety conditions**; Values from 1- 10 with associated description and details outlining the severity of the consequence associated to the health and safety **Legal**; Values from 1- 10 with associated description and details outlining the severity of the

**Legal**; Values from 1- 10 with associated description and details outlining the severity of the consequence associated to the Legal

**Operational conditions**; Values from 1- 10 with associated description and details outlining the severity of the consequence associated to the Operational

#### **LoS Matrix**

#### Current LoS Versus Expected LoS

Current Levels of Service equates to what service level is currently provided, expected Levels of Service outlines the overall objective or target Levels of Service to be reached at some point in time. The amount of time it will take to reach expected Levels of Service depends on the municipality's assumptions within the asset management planning process.

#### Ongoing Review, Updates and, Improvements

The frequency of these reviews should be established and followed by staff as part of the Asset Management Policy.

ERFORMANCE 1EASUREMENT	TARGET MEASUREMENT	CURRENT MEASUREMENT	ACHIEVEMENT DATE	APPROXIMATE COST	PRIORITY
Safe Transportation Netwrok	PCI > 60	PCI . 50	2022-02-01	50000.0000	Medium
% of fully accessible roads	1	TBD	2022-02-01		
Number of citizen requests	50 requests per year	TBD	2023-02-01		
length of cycling and pedestrian network	unknown				

#### Applicable legislation

The risk matrix is to be vetted against the financial costs associated in mitigating the municipal risks as well as the legislative requirements.

legislation	compliancy
MMS O.Reg, 239/02	$\checkmark$
Standards for bridges O.Reg, 104/97	✓
O. Reg., 588/17	✓

#### The regulation requirements

Column 1 Service attribute	Column 2 Community levels of service (qualitative descriptions)	Column 3 Technical levels of service (technical metrics)	
Scope	Description, which may include maps, of the road network in the municipality and its level of connectivity.	Number of lane-kilometers of each of arterial roads, collector roads and local roads as a proportion of square kilometers of land area of the municipality.	See Images Below
Quality	Description or images that illustrate the different levels of road class pavement condition.	<ol> <li>For paved roads in the municipality, the average pavement condition index value.</li> <li>For unpaved roads in the municipality, the average surface condition (e.g. excellent, good, fair or poor).</li> </ol>	See Images below

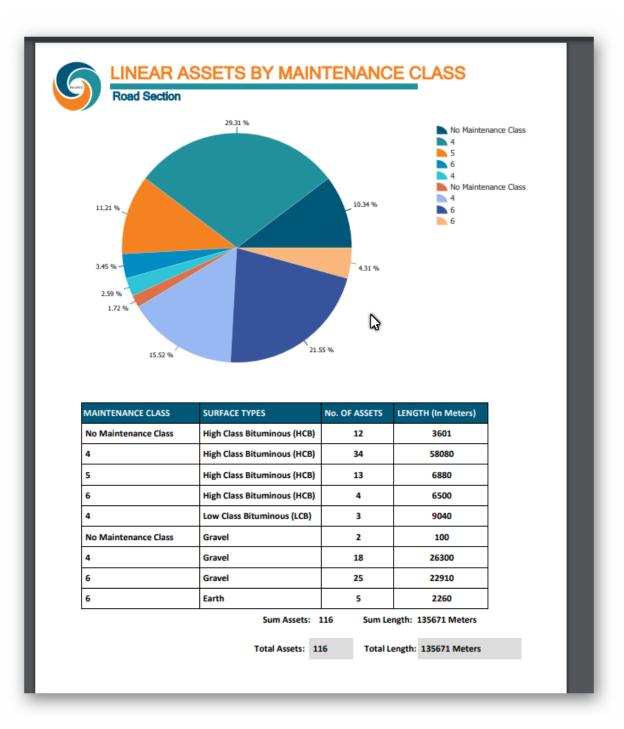
#### The LOS Target

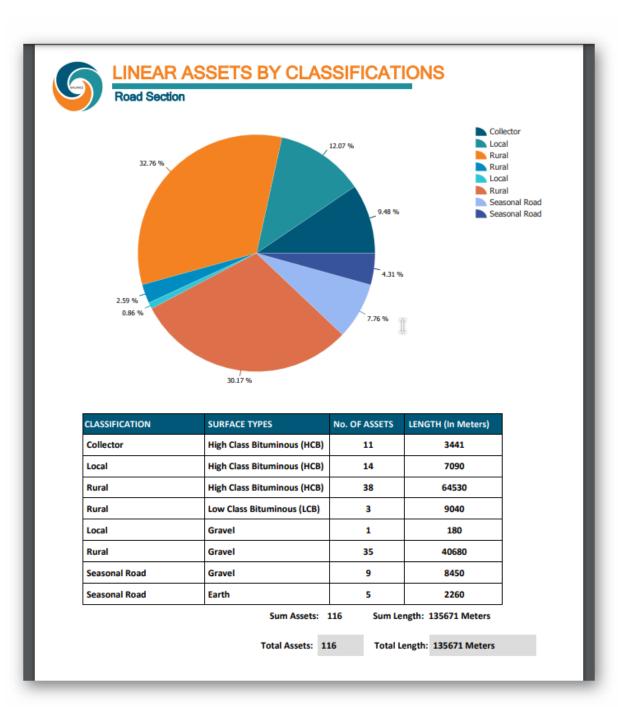
The Municipality has established a PCI rating for the target level of service for roads by classifying road segments based on surface types and the Minimum maintenance standard 389 (traffic and speed) others. The desired level of service for Municipal roads is to maintain an average weighted condition rating of for the entire road network based on each asset category such as HCB, LCB, and gravel. The municipal road network should be evaluated through completion of the 10 Year Roads Improvement Plan. The rating system consists of a number 1 through 100. For the purposes of this LOS, the following assumptions were made for road deterioration rates:

- Low Class Bituminous Roads Condition rating reduced by 1 PCI per year
- High Class Bituminous Roads Condition rating reduced by 2 PCI per year
- Gravel Roads Condition rating is maintained with regular maintenance
- Earth Roads

#### Technical level of service

Surface type	Existing PCI Rating	Target PCI Rating	Replacement cost
H.C.B. (Asphalt)	71	65	
L.C.B. (Surface Treatment)	78	65	





### Good Condition



#### Fair Condition



### Poor Condition



### Wastewater

Column 1 Service attribute	Column 2 Community levels of service (qualitative descriptions)		Column 3 Technical levels of service (technical metrics)	
Scope	Description, which may include maps, of the user groups or areas of the municipality that are connected to the municipal wastewater system.	The Town has paper maps of municipal wastewater infrastructure.	Percentage of properties connected to the municipal wastewater system.	The town has 1462 properties of which 114 have wastewater connection Approximately 10% of residents have sewer connection
Reliability	<ol> <li>Description of how combined sewers in the municipal wastewater system are designed with overflow structures in place which allow overflow during storm events to prevent backups into homes.</li> <li>Description of the frequency and volume of overflows in combined sewers in the municipal wastewater system that occur in habitable areas or beaches.</li> <li>Description of how stormwater can get into sanitary sewers in the municipal wastewater system, causing sewage to overflow into streets or backup into homes.</li> <li>Description of how sanitary sewers in the municipal wastewater system are designed to be resilient to avoid events described in paragraph 3.</li> <li>Description of the effluent that is discharged from sewage treatment plants in the municipal wastewater system.</li> </ol>	Town has no combined sewers O volume of overflows No connection Based on engineering design standards	<ol> <li>The number of events per year where combined sewer flow in the municipal wastewater system exceeds system capacity compared to the total number of properties connected to the municipal wastewater system.</li> <li>The number of connection-days per year due to wastewater backups compared to the total number of properties connected to the municipal wastewater system.</li> <li>The number of effluent violations per year due to wastewater discharge compared to the total number of properties connected to the municipal wastewater discharge</li> </ol>	O days O days O violations

### Technical level of service

Waste Water	Existing Rating	Target Rating	Replacement cost
Waste Watermain	Remaining useful life	Remaining useful life > 50 years	
Manhole	Remaining useful life	Remaining useful life > 50 years	
Structures (valves)	Remaining useful life	Remaining useful life > 50 years	

#### Stormwater

Column 1 Service attribute	Column 2 Community levels of service (qualitative descriptions)	Column 3 Technical levels of service (technical metrics)	
Scope	Description, which may include maps, of the user groups or areas of the municipality that are protected from flooding, including the extent of the protection provided by the municipal stormwater management system.	<ol> <li>Percentage of properties in municipality resilient to a 100- year storm.</li> <li>Percentage of the municipal stormwater management system resilient to a 5-year storm.</li> </ol>	

## Technical level of service

Storm Water	Estimated useful life	Existing Rating	Target Rating	Replacement cost
Storm main	75 years	Remaining useful life	Remaining useful life > 50 years	
Manhole	75 years	Remaining useful life	Remaining useful life > 50 years	
Structures	75 years	Remaining useful life	Remaining useful life > 50 years	

#### **BRIDGES AND CULVERTS**

Column 1 Service attribute	Column 2 Community levels of service (qualitative descriptions)		Column 3 Technical levels of service (technical metrics)	
Scope	Description of the traffic that is supported by municipal bridges (e.g., heavy transport vehicles, motor vehicles, emergency vehicles, pedestrians, cyclists).	All traffic is supported	Percentage of bridges in the municipality with loading or dimensional restrictions.	All bridges have a "No Load" restriction sign
Quality	<ol> <li>Description or images of the condition of bridges and how this would affect use of the bridges.</li> <li>Description or images of the condition of culverts and how this would affect use of the culverts.</li> </ol>	OSIM inspections are conducted No culverts >3 m are installed	<ol> <li>For bridges in the municipality, the average bridge condition index value.</li> <li>For structural culverts in the municipality, the average bridge condition index value.</li> </ol>	BCI "85"

Bridges and structural culverts of greater than 3 meter spans consist of many different components with varying life expectancies, generally ranging from 50 to 75 years. The condition of a bridge is evaluated by completing mandatory biennial OSIM inspections which provide detailed condition ratings of all the components of each structure. The condition of the various components is described by one of four ratings, being Excellent, Good, Fair or

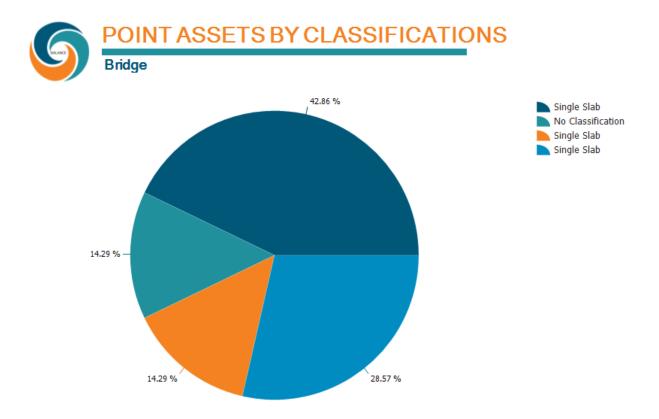
- No Load Posting of Structure
- Two lane crossing
- Guiderail protected with proper end treatments
- Good sight lines on the approaches to the water crossing

The following is recommended to meet desired levels of service for structures:

- Complete OSIM inspections as mandated by Ontario Regulation 104/97 Standards for Bridges
- Implement studies and repairs as outlined in OSIM reports

Technical level of service

Bridges and Culverts>3 m	Estimated useful life	Existing Rating	Target Rating	Replacement cost
Bridges	75 years	85	80	\$12,868,376



CLASSIFICATION	SURFACE TYPES	No. OF ASSETS	LENGTH (In Meters)
Single Slab	Reinforced Concrete	6	139.8
No Classification	Steel	2	45
Single Slab	Steel	2	16
Single Slab	Precast Concrete	4	55.5

Sum Assets: 14

Sum Length: 256.3 Meters

Total Assets: 14

Total Length: 256.3 Meters

Assets with NULL Condition Rating does not appear on the report

# Bridge Inventory

А	В	С	D	E	F	G	H	- I	J	K	L	М
ASSET SUB TYPE	ASSET NAME	ASSET ID	CONDITION	NETWOR K VALUE		DATE INSTALLED	REPLACE MENT YEAR	REMAINI NG LIFE(In Years)	USEFUL LIFE RATING	CURRENT CONDITION RATING	PURCHASE PRICE	COMMENTS
Bridge	Concession 7 Road East Bridge	00008	FAIR	100	75	1950-01-01	2025	3	POOR	70	\$1,230,909.00	NO LOAD POSTED
Bridge	Channon Bridge	00007	FAIR	100	75	1955-01-01	2030	8	POOR	70	\$1,418,314.00	NO LOAD POSTED
Bridge	Eugène Brunette Bridge	00005	GOOD	100	75	1960-01-01	2035	13	POOR	80	\$3,097,600.00	NO LOAD POSTED
Bridge	Concession 9 Rd. Bridge	00009	GOOD	100	75	1962-01-01	2037	15	FAIR	80	\$370,976.00	NO LOAD POSTED
Bridge	Conc. 1 Road East Bridge	00012	FAIR	100	75	1972-01-01	2047	25	FAIR	70	\$509,400.00	NO LOAD POSTED
Bridge	Petite Quatorze Bridge	00006	GOOD	100	75	1973-01-01	2048	26	FAIR	80	\$1,022,208.00	NO LOAD POSTED
Bridge	Pattee Road Bridge	00002	GOOD	100		1974-06-01				3 80	\$774,323.00	NO LOAD POSTED
Bridge	Duplantie Bridge	00004	GOOD	100	75	1980-01-01	2055	33	FAIR	80	\$1,831,456.00	NO LOAD POSTED
Bridge	Golf Road Bridge	00003	FAIR	100	75	1982-01-01	2057	35	GOOD	70	\$760,523.00	NO LOAD POSTED
Bridge	Mill Street Bridge	00010	GOOD	100	75	1991-01-01	2066	44	GOOD	80	\$482,993.00	NO LOAD POSTED
Bridge	Concession 2 road bridge	00011	EXCELLENT	100	75	2007-06-01	2082	60	VERY GOOD	90	\$681,813.00	NO LOAD POSTED
Bridge	Green Lane Road Bridge	00001	GOOD	100	75	2013-06-01	2088	66	VERY GOOD	80	\$687,861.00	NO LOAD POSTED
Bridge	Lemieux Road Bridge	00014	EXCELLENT	100		2021-06-01				90		REPLACED BY CULVERT 2021, NO LOAD POSTED
Bridge	Conc. 6 Road Bridge	00013	EXCELLENT	100		2021-06-01				90		REPLACED IN 2021, NO LOAD POSTED

### Road Inventory

ROAD ID	ASSET NAME	FROM	то	LENGTH (m)	WIDTI	MATERIALS	AREA (m2)	MAINTENANCE CLASS	CONDITION	DATE INSTALLED	CURRENT CONDITION RATING
RD278	Clermont Road	From 580m East	Quebec boundary	810	-	Earth	4050 Seasonal Road	6	FAIR	1950-01-01	50
RD279 RD276	West of Grande Montee Rd - Part 2 McLennan Road	180m West of Grande Montee Road McLennan Road	River Bank East End	190		Earth Earth	1900 Seasonal Road 2900 Seasonal Road	6	FAIR	1950-01-01 1950-01-01	50 50
RD2/6 RD267	McLennan Road McLennan Road	M cLennan Road	County Road 10	580		Earth	500 Seasonal Road	6	FAIR	1950-01-01	50
RD207 RD272	Clermont Road	Grande Montee Road	580m East	580		Earth	2900 Seasonal Road	6	FAIR	1950-01-01	50
RD273	West of Grande Montee Rd - Part 1	Grande Montee Road	180m West	190		Gravel, Stone or Other Loose Top	1900 Seasonal Road	6	FAIR	1950-01-01	70
RD220	Castors Road	Montee la Grande	East End	610		Gravel, Stone or Other Loose Top	3660 Seasonal Road	6	FAIR	1950-01-01	70
RD207	Lafrance Road	Grande Montee Road	East End	280		Gravel, Stone or Other Loose Top	1680 Seasonal Road	6	FAIR	1950-01-01	70
RD265 RD269	Ranger Road Concession 6 Road	Concession Road 1 Clement Road	Concession Road 2 Westerly	1800		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	9000 Seasonal Road 816 Seasonal Road	6	FAIR	1950-01-01 1950-01-01	70
RD289	Concession 6 Road	Grande Montee Road	Westerly	120		Gravel, Stone or Other Loose Top	780 Seasonal Road	6	SEVERE	1950-01-01	10
RD266	Stephens Rd.(Boundary Rd) 1/2 of cost	County Road 10 Road	Happy Hallow Road	1740		Gravel, Stone or Other Loose Top	8700 Seasonal Road	6	FAIR	1950-01-01	70
RD232	McLennan Road	County Road 10	McLennan Road	145		Gravel, Stone or Other Loose Top	725 Rural	6	FAIR	1950-01-01	70
RD223	Concession 6 Road	County Road 14	East End	2150		Gravel, Stone or Other Loose Top	14620 Rural	6	FAIR	1950-01-01	70
RD206	St-Thomas Montee	Grande Montee Road	Quebec boundary	470		Gravel, Stone or Other Loose Top	3149 Rural	6	FAIR	1950-01-01	70
RD219	Lalonde-Martineau Road	County Road 18	North End	780	6 m	Gravel, Stone or Other Loose Top	4680 Rural	6	FAIR	1950-01-01	70
RD214	Tittley Road	North Glengarry Boundary	County Road 18	900		Gravel, Stone or Other Loose Top	6120 Rural	6	FAIR	1950-01-01	70
RD198	Conway Road	Concession Road 2	Concession Road 1	1400	-	Gravel, Stone or Other Loose Top	9800 Rural	4	FAIR	1950-01-01	70
RD208	Maple Row Road	County Road 10	Concession 6 Road	2000		Gravel, Stone or Other Loose Top	16400 Rural	4	FAIR	1950-01-01	70
RD215 RD228	Gibbs Road Duplantie Road	County Road 18 County Road 10	Petit Quatorze Road Concession Road 5	2100 380		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	14700 Rural 2584 Rural	4	FAIR	1950-01-01 1950-01-01	70
RD228 RD484	Concession 2 Road	Conway Road	Cunning Road	260		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	1820 Rural	4	GOOD	1950-01-01	70
RD434 RD227	Concession 5 Road	Duplantie Road	Grande Montee Road	2120		Gravel, Stone or Other Loose Top	14840 Rural	4	FAIR	1950-01-01	70
RD485	Concession 2 Road	Cunning Road	West End	150		Gravel, Stone or Other Loose Top	1050 Rural	4	GOOD	1950-01-01	85
RD221	Concession 5 Road	Grande Montee Road	Quebec Boundary	870		Gravel, Stone or Other Loose Top	6090 Rural	4	FAIR	1950-01-01	70
RD204	Concession 1 Road	Grande Montee Road	Nixon Road	2540	6.5 m	Gravel, Stone or Other Loose Top	16510 Rural	4	FAIR	1950-01-01	70
RD434	Concession 2 Road	Ranger Road	Conway Road	1950	7 m	Gravel, Stone or Other Loose Top	13650 Rural	4	GOOD	1950-01-01	85
RD234	Cunning Road	Concession Road 3	Concession Road 2	2230		Gravel, Stone or Other Loose Top	14495 Rural	4	EXCELLENT	1950-01-01	95
RD500	Clement Road	North Glengarry Boundary	Concession 7	200		Gravel, Stone or Other Loose Top	1400 Rural	4	FAIR	1950-01-01	70
RD201	Nixon Road	Concession 1	Domaine Road	1730		Gravel, Stone or Other Loose Top	12110 Rural	4	FAIR	1950-01-01	70
RD209 RD222	Clement Road Concession 5 Road	Concession 7 Road East End	Concession 6 Road Duplantie Road	1950		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	13650 Rural 5576 Rural	4	FAIR	1950-01-01 1950-01-01	70
RD222 RD270	Concession 5 Road Lemieux Road	East End Concession Road 9	Duplantie Road Petit Ouatorze Road	820		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	5576 Rural 6230 Seasonal Road		FAIR	1950-01-01 1950-01-01	70
RD270 RD195	Greenlane Road (West)	Dandy Road	Champlain Boundary	2590		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	18130 Rural	4	FAIR	1950-01-01	55
RD218	Lemieux Road	Petit Quatorze Road	County Road 18	1400		Gravel, Stone or Other Loose Top	9800 Rural	4	FAIR	1950-01-01	70
RD271	Petite Quatorze Road	County Road 14	Lemieux Road	2700			17550 Seasonal Road	6	FAIR	1950-01-01	50
RD211	Petite Quatorze Road	MacDonald Road	County Road 14	2310		Gravel, Stone or Other Loose Top	16170 Rural	6	FAIR	1950-01-01	70
RD203	Moore Road	1200m North	Concession 3 Road	920		Gravel, Stone or Other Loose Top	6164 Rural	4	FAIR	1950-01-01	70
RD497	Happy Hallow Road	Stephens Road	East End	100		Gravel, Stone or Other Loose Top	650 Rural	6	FAIR	1950-01-01	70
RD233	Stardale Road (East)	Cunning Road	West End	1870		Gravel, Stone or Other Loose Top	12155 Rural	6	FAIR	1950-01-01	70
RD229	Sabourin Rd.(Boundary Rd.) 1/2 of cost	Concession Road 7	North Glengarry Boundary	1020		Gravel, Stone or Other Loose Top	5100 Rural	6	FAIR	1950-01-01	70
RD499 RD230	Petite Quatorze Road	Gibbs Road County Road 10 Road	M acDonald Road West End	325		Gravel, Stone or Other Loose Top Gravel, Stone or Other Loose Top	2112.5 Rural 1100 Rural	6	FAIR	1950-01-01 1950-01-01	70
RD230 RD217	Happy Hallow Road Lemieux Road	Green Road	Concession Road 9	1250		Gravel, Stone or Other Loose Top	7500 Rural	6	FAIR	1950-01-01	70
RD217 RD213	Concession 6 Road	Maple Row Road	Clement Road	1230		Gravel, Stone or Other Loose Top	6800 Rural	6	FAIR	1950-01-01	70
RD226	Villeneuve Road	Grande Montee Road	780m East	780		Gravel, Stone or Other Loose Top	5304 Rural	6	FAIR	1950-01-01	70
RD216	MacDonald Road	Petit Quatorze Road	740m South	740		Gravel, Stone or Other Loose Top	4958 Rural	6	FAIR	1950-01-01	70
RD200	Cole Avenue	Grande Montee Road	Des Outaouais Road	180		Gravel, Stone or Other Loose Top	900 Local		FAIR	1950-01-01	70
RD231	Happy Hallow Road	Champlain Boundary	Stephens Road	420		Gravel, Stone or Other Loose Top	2730 Rural	6	FAIR	1950-01-01	70
RD212	Petite Quatorze Road	North Glengarry Boundary	Gibbs Road	790	6.5 m	Gravel, Stone or Other Loose Top	5135 Rural	6	FAIR	1950-01-01	70
RD396	Pattee Road	Dandy Road	Gourley Road	1465		Hot Mix	9522.5 Rural	4	FAIR	2010-08-01	50
RD294	Pattee Road	Champlain Boundary	Dandy Road	3950		Hot Mix	25675 Rural	4	FAIR	2003-07-01	50
RD302 RD492	Concession 3 Road	County Road 14	Moore Road	2460			15990 Rural	4	FAIR	2002-07-01	60 80
RD325	Domaine Road De L'Eglise Street	Nixon Road Labrosse Street	Nixon Road South End	160		Hot Mix Hot Mix	1440 Rural 1095 Local	4	GOOD	2016-07-01 2000-07-01	55
RD325 RD486	Concession 3 Road	Nixon Road	Moore Road	130		Hot Mix	455 Rural	4	EXCELLENT		100
RD400 RD307	Concession 9 Road	County Road 14	Lemieux Road	2570		Hot Mix	16448 Rural	4	FAIR	2021-00-01	55
RD495	Grande Montee Road	Castors Road	Concession Road 7	580		Hot Mix	5800 Rural	4	FAIR	2020-07-01	70
RD311	Concession 1 Road	Nixon Road	County Road 14	2540		Hot Mix	16510 Rural	4	FAIR	1994-07-01	70
RD319	Domaine Road	Grande Montee Road	Nixon Road	3610	6.7 m	Hot Mix	24187 Rural	4	GOOD	2016-07-01	80
RD235	Cunning Road	County Road 10	Stardale Road	1450		Hot Mix	9425 Rural	4	EXCELLENT		95
RD487	Concession 3 Road	Cunning Road	Cunning Road	190		Hot Mix	1235 Rural	4	FAIR	2010-01-01	60
RD308	Greenlane Road (East)	Dandy Road	Greenlane Road dead end	1200		Hot Mix	7800 Rural	4	FAIR	2010-06-01	55
RD491	Dandy Road (HWY 12)	Stardale Road	County Road 10			Hot Mix	29325 Rural	4		2018-05-28	95
RD297	Stardale Road (West)	Dandy Road	Champlain Boundary	2900		Hot Mix	18850 Rural	4	FAIR	1980-07-01	55
RD410	Grande Montee Road	Grande Montee Road	County Road 18	150		Hot Mix	1500 Rural	4	FAIR	2017-06-01	70
RD479 RD309	Grande Montee Road Concession 1 Road	Villeneuve Road County Road 14	Castors Road Ranger Road	2220		Hot Mix Hot Mix	22200 Rural 16900 Rural	4	FAIR	2020-07-01 1993-07-01	70
RD309 RD313	Concession 1 Road Concession 3 Road	Nixon Road	Grande Montee Road	2600		Hot Mix Hot Mix	16900 Rural 16510 Rural		FAIR		100
RD488	Concession 3 Road	Stardale Road	Concession Road 3			Hot Mix	5655 Rural	4	EXCELLENT		95
RD458	Dandy Road (HWY 12)	HWY 17	Pattee Road			Hot Mix	9052.5 Rural	4	EXCELLENT		95
RD295	Concession 1 Road	Conway Road	Gourley Road	605		Hot Mix	3932.5 Rural	4	FAIR	1976-07-01	70
RD489	Dandy Road (HWY 12)	Pattee Road	Greenlane Road			Hot Mix	26010 Rural	4		2018-05-28	95
RD202	Nixon Road	Domaine Road	Concession 3 Road	2140		Hot Mix	14338 Rural	4		2020-06-01	95
RD435	Moore Road	County Road 10	1200m North	1220		Hot Mix	8906 Rural	4	GOOD	2000-07-01	75
RD496 RD494	Grande Montee Road	Clermont Road 5	Grande Montee Road Villeneuve Road	1500		Hot Mix Hot Mix	15000 Rural	4	FAIR	2020-07-01 2020-07-01	70
RD494 RD397	Grande Montee Road Concession 1 Road	Concession Road 5 Ranger Road	Villeneuve Road Conway Road	610 1870		Hot Mix Hot Mix	6100 Rural 12155 Rural	4	FAIR	2020-07-01 2010-08-01	70
RD397 RD316	Grande Montee Road	Concession Road 7	Clermont Road	1600		Hot Mix	12133 Kurai 16000 Rural	4	FAIR	2020-07-01	70
RD445	Concession 3 Road	Cunning Road	County Road 14			Hot Mix	31915 Rural		FAIR	2010-01-01	60
RD493	Grande Montee Road	County Road 10	Concession Road 5			Hot Mix	1350 Rural	4	FAIR	2020-07-01	70
RD490	Dandy Road (HWY 12)	Greenlane Road	Stardale Road			Hot Mix	31875 Rural	4	EXCELLENT		95
RD298	Concession 2 Road	County Road 14	Ranger Road	2500	7 m	Hot Mix	17500 Rural	4	GOOD	1999-07-01	85
RD225	Grande Montee Road	County Road 18	Grande Montee Road	135		Hot Mix	1215 Rural	4	FAIR	2020-07-01	70
RD459	Mill Street	County Road 10	St Jean Street	130		Hot Mix	949 Local	5	EXCELLENT		95
RD293	Gourley Road	Front Road	HWY 17			Hot Mix	16936 Rural	5	FAIR	2000-07-01	60
RD291	Des Erables Street	Front Road	North End		5.2 m	Hot Mix	468 Local	5	FAIR	1985-07-01	55
RD322 RD328	Ferry Road St-Paul Street	Principale Street Labrosse Street	North End North End	160		Hot Mix Hot Mix	1440 Local 2090 Local	5	SEVERE EXCELLENT	1988-07-01	25
RD328 RD323	St-Paul Street Interprovinciale Street	Labrosse Street Grande Montee Road	North End Rue Tisseur			Hot Mix Hot Mix	2090 Local 1276 Local	5	EXCELLENT		95
RD323 RD320	Des Cedres Street	Princiaple Street	Des Pines Street			Hot Mix	5893 Local	5	POOR	1994-07-01	25
RD326	St-Jean Street	Labrosse Street	Mill Street			Hot Mix	1392 Local	5	FAIR	1980-07-01	55
RD329	Arthur Lavigne Street	County Road 18	County Road 14			Hot Mix	1782 Local	5	FAIR	1980-07-01	60
RD321	Des Pins Street	Principale Street	Des Cedres Street	520		Hot Mix	4420 Local	5	POOR	1993-07-01	25
RD324	Fatima Street	Labrosse St (County Road 10)	South End	210	11.6 m	Hot Mix	2436 Local	5	POOR	1980-07-01	40
RD292	Golf Road	Front Road	HWY 17			Hot Mix	12312 Local	5	EXCELLENT		100
	Mill Street	St Jean Street	North End			Hot Mix	1971 Local	5	EXCELLENT		95
	Des Cedres Street	Des Pines Street	South End	2380		Hot Mix	14280 Local	6	FAIR	2003-06-01	55
RD268	Concession 9 Road	Lemieux Road	Quebec boundary	1790		Hot Mix	11456 Rural	4	POOR	2001-07-01	45
RD268 RD306		Front Road	North End	120	5.7 m	Hot Mix	684 Rural	6	EXCELLENT	2020-06-01	95
RD268 RD306 RD194	Lavigne Street		a		- C	11 . 3.42				a000 08 0/	
RD498 RD268 RD306 RD194 RD299 RD304	Lavigne Street Concession 2 Road	East End	County Road 14 Maple Row Road	50 3950		Hot Mix Hot Mix	350 Rural	6	GOOD	2003-07-01	85
RD268 RD306 RD194 RD299 RD304	Lavigne Street Concession 2 Road Concession 6 Road	East End County Road 14	Maple Row Road	3950	6.8 m	Hot Mix	26860 Rural	6	FAIR	2000-06-01	70
RD268 RD306 RD194	Lavigne Street Concession 2 Road	East End		3950	6.8 m			6 6 4 4		2000-06-01	

# Storm

NUMB         OD         Description         Description <thdescriptio< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>ASSET</th></thdescriptio<>															ASSET
STML 022         OHH         OHH         OH         A         B         B         B         B         B         B         B         D <thd< th=""> <thd< th=""> <thd< th=""> <thd< th=""><th>ASSET NAME</th><th>FROM</th><th>то</th><th>LENGTH (m)</th><th>wid th</th><th>MATERIALS</th><th>AKEA (m2)</th><th>MAINTENANCE CLASS</th><th>WARD</th><th>MAINTAINED BY</th><th>DATE INSTALLED</th><th>YEAR 🖵</th><th>LIFE(In Years)</th><th>RATING 🖕</th><th>RELATIONSHIP( ROAD ID)</th></thd<></thd<></thd<></thd<>	ASSET NAME	FROM	то	LENGTH (m)	wid th	MATERIALS	AKEA (m2)	MAINTENANCE CLASS	WARD	MAINTAINED BY	DATE INSTALLED	YEAR 🖵	LIFE(In Years)	RATING 🖕	RELATIONSHIP( ROAD ID)
STMLS, Q1U         Q1M1M	STMLN_020	INLET	CBMH	50 5	900 mm	Steel	45	801 - 1000 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1994-01-01	2034	12	FAIR	CNTY106
STML 040         M18         C112         55 M0         Consent         C45 B         100 mm         VILLAGE OF CHUTE A. HONDRAL         BAY HAVELSBURY         P99-1041         200         201         200         R011           STMLS, 036         M14         M15         67 50 m.         Consent         63 8         91 - 300 mm         VILLAGE OF CHUTE A. HONDRAL         B159// UCPs 50         94-01         204         22         COOD         RVT104           STMLS, 030         CM16         CM17         CM17         CM16         CM16         CM16         CM17         CM17         CM16         CM16         CM16         CM17         CM17         CM16         CM16         CM16         CM16         CM17         CM16         CM17         CM16         CM16         CM16         CM17         CM16         CM16         CM16         CM17         CM16         CM16         CM16         CM17         CM17         CM16         CM16	STMLN_022	CBMH	OUTLET	43 9	900 mm	Steel	38.7	801 - 1000 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1994-01-01	2034	12	FAIR	CNTY106
STML 02         CM107         <	STMLN_021	CBMH	CBMH	67 5	900 mm	Concrete	60.3	801 - 1000 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1994-01-01	2054	32	GOOD	CNTY106
STML, 06.9         Mi4	STMLN_040	MH8	CB12	51 5	900 mm	Concrete	45.9	801 - 1000 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD321
STML 201         CMM18         CMM19         S0 20 mm         Concret         95 01 - 20 and mm         1944-01         244         22 COOD         CMY107           STML 202         CMM16         CMM17         41 60 mm         Concret         214 50 30 mm         VILLAGE OF CUNTE - A LIDONEAU         1954-01 d1         2344         22 GOOD         CMY107           STML 203         CMM15         CMM16         CM164         216 Concret         59.2 50 mm         VILLAGE OF CUNTE - A LIDONEAU         1954-01 d1         2344         22 GOOD         CMY107           STML 203         CMM16         CM164         201 Concret         59.2 50 mm         VILLAGE OF CUNTE - A LIDONEAU         1954-01 d1         244         22 GOOD         CMY106           STML 203         CMM16         CM167         Smm         Concret         225 30 1- 50 mm         VILLAGE OF CUNTE - A LIDONEAU         1954-01 d1         245         20 CODD         CMY106           STML 203         CMM16         CM167         Smm         Concret         255 30 1- 50 mm         VILLAGE OF CUNTE - A LIDONEAU         1954-01 d1         245         20 CODD         CMY106           STML 203         CM163         CM161         30 10 concret         313 50 mm         VILLAGE OF CUNTE - A LIDONEAU         1954-01 d1	STMLN_032	CBMH9	CBMH10	81 7	750 mm	Concrete	60.75	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY108
STML 029         CMM16         CMM17         4         MO mm         Canadia         VILLAGE OF CUNTE: A-LIDNDEAU         BI 59N/UCR 59N         1984-01-01         2044         22 GOOD         CNTYIG           STML 028         CMM17         CMM18         -67 70 mm         Canadia         572 501 300 mm         VILLAGE OF CUNTE: A-LIDNDEAU         BI 59N/UCR 59N         1984-01-01         2044         22 GOOD         CNTYIG           STMLN 030         MH18         M160         102 07 3mm         Canadia         688 591 300 mm         VILLAGE OF CUNTE: A-LIDNDEAU         BI 59N/UCR 59N         1984-01-01         2034         22 GOOD         CNTYIG           STMLN 030         MH18         M161         102 07 3mm         Canadia         223 301 500 mm         VILLAGE OF CUNTE: A-LIDNDEAU         BI 59N/UCR 59N         1984-01-01         2034         22 GOOD         CNTYIG           STMLN 040         M112         M114         10-01 37 mm         Canadia         193 30 mm         VILLAGE OF CUNTE: A-LIDNDEAU         BI 59N/UCR 59N         1984-01-01         2044         22 GOOD         CNTYIG           STMLN 035         M114         M1613         M30 mm         Canadia         NILLAGE OF CUNTE: A-LIDNDEAU         BI 59N/UCR 59N         1984-01-01         2034         22 GOOD         CNTYIG <td>STMLN_036</td> <td>MH4</td> <td>MH5</td> <td>67 5</td> <td>550 mm</td> <td>Concrete</td> <td>36.85</td> <td>501 - 800 mm</td> <td>VILLAGE OF CHUTE - A - BLONDEAU</td> <td>EAST HAWKESBURY</td> <td>1993-10-01</td> <td>2053</td> <td>31</td> <td>GOOD</td> <td>RD320</td>	STMLN_036	MH4	MH5	67 5	550 mm	Concrete	36.85	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-10-01	2053	31	GOOD	RD320
STML 020         CMM15         CMM16         C 020 mm         Concerner         STOL 000 mm         VILLAGE OF CUTTE- A-LIXONEAU         B15 99/-UCTB 990         984-01.01         2044         22 GOOD         CVTY/07           STML 000         CMM16         M16         012         STOL 000         STOL 000         VILLAGE OF CUTTE- A-LIXONEAU         B154-01.01         2031         3.0 GOD         D230           STML 027         CMM16         M16         50.2 Sin 00-corre         22.5 30.1 S00mm         VILLAGE OF CUTTE- A-LIXONEAU         B154-01.01         2031         3.0 GOD         D230           STML 026         CMM16         M16         63.0 mm         Concere         22.5 30.1 S00mm         VILLAGE OF CUTTE- A-LIXONEAU         B154-01.01         2051         2.0 GOD         D170           STML 026         CMM16         M16         63.0 mm         Concere         2.5 30.1 S00mm         VILLAGE OF CUTTE- A-LIXONEAU         B154-01.01         2.051         2.000D         D170           STML 026         CMM16         M16         63.0 mm         Concere         1.8 30         S00mm         VILLAGE OF CUTTE- A-LIXONEAU         B154-01         2.051         2.000D         D170           STML 026         M16         M16         M16         M16         M	STMLN_031	CBMH8	CBMH9	80 7	750 mm	Concrete	60	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY108
STML 000         CM107	STMLN_029	CBMH6	CBMH7	41 6	500 mm	Concrete	24.6	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY107
STMLX_070*/         Mis         Mis <th< td=""><td>STMLN_028</td><td>CBMH5</td><td>CBMH6</td><td>62 6</td><td>600 mm</td><td>Concrete</td><td>37.2</td><td>501 - 800 mm</td><td>VILLAGE OF CHUTE - A - BLONDEAU</td><td>EH 50% / UCPR 50%</td><td>1984-01-01</td><td>2044</td><td>22</td><td>GOOD</td><td>CNTY107</td></th<>	STMLN_028	CBMH5	CBMH6	62 6	600 mm	Concrete	37.2	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY107
STML 027         CM144         CM145         CM150         CM126         CM1716         VILLAGE OF CUTET: A-ILONDEAU         BI5 99/- (CTR 59)         1984-01         2044         202 GODD         CM1716           STML 04         MI2         MI10         CM140         CM140<	STMLN_030	CBMH7	CBMH8	67 7	750 mm	Concrete	50.25	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY108
STML 034         M12         M1	STMLN_037	MH5	MH6	102 6	675 mm	Concrete	68.85	501 - 800 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD320
STML 026         CMH8         OBH4         OS 37 mm         Concret         35 30 + 30 mm         VILLAGE OF CUPTE - A LLONDEAU         IS 59% / CUPR 59%         1984.01.01         2044         22 GOOD         CNTY166           STMLN, 07         MHG5         MHG4         104 37 mm         Concret         138 30 1.90 mm         VILLAGE OF CUPTE - A LLONDEAU         IS 59% / CUPR 59%         1984.01.01         2044         22 GOOD         CNTY166           STMLN, 015         MHG4         MH62         28 0 TM         Concret         133 33 30 s0 mm         VILLAGE OF CUPTE - A LLONDEAU         IS 59% / CUPR 59%         1984.01.01         2044         22 GOOD         CNTY166           STMLN, 015         MHG4         MHG2         60.13 30 mm         S0 s0 mm         VILLAGE OF CUPTE - A LLONDEAU         IS 59% / CUPR 59%         1984.01.01         2053         31 GOOD         CNTY166           STMLN, 035         MH64         MH7         43 30 mm         Concret         13 30 s0 mm         VILLAGE OF CUPTE - A LLONDEAU         IS 59% / CUPR 59%         1984.01.01         2053         23 1 GOOD         CNTY166           STMLN, 03         MH64         MH7         43 30 mm         Concret         0.0 30 mm         VILLAGE OF CUPTE - A LLONDEAU         IS 59% / CUPR 59%         1984.01.01         2053	STMLN_027	CBMH4	CBMH5	50 4	450 mm	Concrete	22.5	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY106
STMLX_077         MR055         MR044         UNLAGE         VILLAGE OF CUTTE - A LLONDEAU         BIS 99/-UCR 999         194-040         2054         232 GOOD         CNTY166           STMLX_027         CB         CBMH         314 Som         Concert         133 Som         Som         VILLAGE OF CUTTE - A LLONDEAU         BIS 99/-UCR 999         1944-014         2054         232 GOOD         CNTY166           STMLX_015         MH10         MH21         MIG15         MIG15         303 GOOD         233 301 - 300 mm         VILLAGE OF CUTTE - A LLONDEAU         BIS 99/-UCR 999         1944-014         2054         332 GOOD         CNTY166           STMLX_015         MH10         MH25         MH10         615 Sm         Concert         233 301 - 300 mm         VILLAGE OF CUTTE - A LLONDEAU         BIS 99/-UCR 999         1944-014         2055         332 GOOD         CNTY166           STMLX_016         MH10         MH10         MH10         Goode         144 0         303 mm         VILLAGE OF STEACERE         BIS 99/-UCR 999         1944-01         2050         -2< VB3 POOR		MH2	MH3				29.25	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD320
STML 02         06         08.HH         33 30 mm         Cancer         14.83 30 - 90 cmm         VILLAGE OF CUTET: A-LIDONEAU         15.96 //CUTE 996         1944.01         2044         20.600         CNTY166           STML 01         MHCM         MHCM         0.3737         31.070 mm         VILLAGE OF CUTET: A-LIDONEAU         1954/0.01         2035         31.0600         CNTY66           STML 016         MHCM         MHCM         0.0137 mm         Cancer         23.337         31.070 mm         VILLAGE OF CUTET: A-LIDONEAU         1954/0.101         2035         31.0600         CNTY66           STML 06         MHCM         MHC         0.0137 mm         Cancer         193<01 mm	STMLN 026	CBMH3	CBMH4	68 3	375 mm	Concrete	25.5	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY106
STML 019         MH044         MH024         MH204         MH205         MH206         MH204         MH204         MH204         MH204         MH205         MH206         MH204         MH204         MH205         MH206         MH204         MH204         MH205         MH206         MH204         MH204         MH205         MH206         MH200         MH200         MH206         MH200         MH200         MH206         MH200	STMLN_017	MHCB5	MHCB4	104 3	375 mm	Concrete	39	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1994-01-01	2054	32	GOOD	CNTY106
STML 035         MH2         MH2         61 s/3 mm         Convect         323 30 - 50 mm         VILLAGE OF CUPTE - A LLONDEAU         EAST HAVKESBURY         199-0101         2033         31 GOOD         DD32           STML 04         DCG         MHCB         MH2         H017         A31 30 - 50 cm/et         31 30 - 50 cm/et	STMLN 023	CB	CBMH1	33 4	450 mm	Concrete	14.85	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY106
STML 035         MH2         MH2         61 s/3 mm         Convect         323 30 - 50 mm         VILLAGE OF CUPTE - A LLONDEAU         EAST HAVKESBURY         199-0101         2033         31 GOOD         DD32           STML 04         DCG         MHCB         MH2         H017         A31 30 - 50 cm/et         31 30 - 50 cm/et	STMLN 018	MHCB4	MHCB2	89 3	375 mm	Concrete	33.375	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1994-01-01	2054	32	GOOD	CNTY106
STML 016         DICA         MIRDS         Dial 37 mm         Concerner         913 01-90 mm         VILLAGE OF CUTET- A-LIDONDEL         BIS 99/-UCR 999         194-04         2054         32.000         CNTY106           STMLA, 062         MI6         MI7         48.30 mm         Concerner         14.40         300 mm         VILLAGE OF CUTET- A-LIDONDEU         EST MAX NEE         1993-01-01         2020         -2, VBX P00         -           STMLA, 106_ZLA         CAM         100         300 mm         Concerner         300 - 300 mm         VILLAGE OF STLEAGE CHUTE: A-LIDONDEU         EST MAX NEE         2020         -2, VBX P00         -         -         700 mm         -2, VBX P00         -         -         -         700 mm         -         700 mm         VILLAGE OF STLEAGE CHUTE: A-LIDONDEU         EST MAX NEE         954-01         2020         -2, VBX P00         -         -         700 mm         -         700 mm         VILLAGE OF STLEAGE CHUTE: A-LIDONDEU         EST MAX NEE         954-01         2020         -2, VBX P00         F000         500 mm         700 m															
STML 1/9 C214         Inc.	STMLN 016	DICB	MHCB5	104 3	375 mm	Concrete	39	301 - 500 mm	VILLAGE OF CHUTE - A - BLONDEAU		1994-01-01	2054	32	GOOD	CNTY106
STML NO         Coll 3	STMLN_038	MH6	MH7	48 3	300 mm	Concrete	14.4	0 - 300 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD320
STML 09         C11         C11         C10	STMLN 169 CR14			405 0	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF ST-EUGENE	EH 50% / UCPR 50%	1960-07-01	2020	-2	VERY POOR	
STML N33         CMH9         OHH9         P3 30 nm         Converte         34 30 0.m Month         VILLAGE OF CHUTE: A. HADNEAU         B1 59% / UCR 99%         1993.01.01         2033         31 GOOD         DD33           STML N17, JAILI         LABROSE         SUTH FND         228 0 nm         Converte         0.0.30 nm         VILLAGE OF CHUTE: A. HADNESBURY         1963.07.01         2021         .1.V1201Y000         DD39           STML N17, JAILI         LABROSE         SUTH FND         1963.07.01         2022         .0.PO0K         DD49           STML N17, STMLU         L         Converte         0.0.30 nm         VILLAGE OF STRUGENE         EAST HAWKESBURY         1963.07.01         2022         .0.PO0K         DD49           STML N17, STML         M19         M18         95 30 nm         Converte         0.0.30 nm         VILLAGE OF STRUESE         EAST HAWKESBURY         1991.01.07         2033         31 GOOD         DD31           STMLN, 174, STML         M19         M18         95 30 nm         Converte         0.0.30 nm         VILLAGE OF STRUESE-AST HAWKESBURY         1993.01.01         2023         31 GOOD         DD31           STMLN, 174, STML         M18         168 0 nm         Converte         0.0.30 nm         VILLAGE OF STRUESE         EAST HAWKESBURY <td></td> <td>CB1</td> <td>СВМН</td> <td>100 3</td> <td></td> <td></td> <td>30</td> <td>0 - 300 mm</td> <td>VILLAGE OF CHUTE - A - BLONDEAU</td> <td></td> <td>1994-01-01</td> <td>2054</td> <td>32</td> <td>GOOD</td> <td>CNTY106</td>		CB1	СВМН	100 3			30	0 - 300 mm	VILLAGE OF CHUTE - A - BLONDEAU		1994-01-01	2054	32	GOOD	CNTY106
STMLN, 17, Jamin         LABROSE         WIT HEN         228         mm         Converte         00<-30 mm         VILLAGE OF ST-LIGENE         EAST HAVKESBURY         1961-071         2021         -1 VBXVPOX         DD39           STMLN, 17, JLMI           90         90         00         300 mm         VILLAGE OF ST-LIGENE         EAST HAVKESBURY         1962-071         2021         0 PORE         DD39           STMLN, 173, STR ML           120         mm         Convete         0.0<:300 mm	STMLN 167 LABROSSE			11144 0	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF ST-EUGENE	EH 50% / UCPR 50%	1960-07-01	2020	-2	VERY POOR	
STMLN,17, Jaima         LABROSE         WOIL HEND         228 mm         Concret         00 - 300 mm         VILLAGE OF STAUCRESE         EAST HAVKESBURY         1964 d-01         2021         -1 VBX YOOK         DD38           STMLN, 17, Jaima         LB         0         90 mm         Concret         0.0 - 300 mm         VILLAGE OF STAUCRESE         EAST HAVKESBURY         1962 d-01         2021         0.PODE         DD39           STMLN, 17, STML         L         Concret         0.0 - 300 mm         VILLAGE OF STAUCRESE         EAST HAVKESBURY         1994 d-01         2051         316 GODD         DD39           STMLN, 012         MH         MHS         95 B/00 mm         Concret         2.25 0         300 mm         VILLAGE OF STAUCRESE         EAST HAVKESBURY         1994 d-01         2051         316 GODD         DD39           STMLN, 012         MHS         IBB00 CORE         2.25 0         0.00 mm         VILLAGE OF STAUCRESE         EAST HAVKESBURY         1994 d-01         2021         PORE         PORE           STMLN, 17, CMH         ML         IBB00 CORE         2.25 0         0.00 mm         VILLAGE OF STAUCRESE         EAST HAVKESBURY         1994 d-01         2021         PORE         PORE         PORE         PORE         PORE         PORE	STMLN 033	CBMH9	CBMH10	83 3	300 mm	Concrete	24.9	0 - 300 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1993-01-01	2053	31	GOOD	RD320
STML 710 STP AUL         P	STMLN_171_Fatima	LABROSSE	SOUTH END				0	0 - 300 mm	VILLAGE OF ST-EUGENE	EAST HAWKESBURY	1961-07-01	2021	-1	VERY POOR	RD380
STML N21         MH9         MH9         MH9         M19         M11         Concret         285 000 mm         VILLAGE OF CUTE: A- BLONDEAU         EAST HAWKESBURY         199-01-01         2035         31 GOOD         D021           STMLN_172_STJam         MILLST         LBROSE         259 0 mm         Concret         0.0.300 mm         VILLAGE OF STAUCES         EAST HAWKESBURY         199-07.01         2025         0.POOR         CONTY16           STMLN_05         CMH12         MB113         70.300 mm         Concret         22.9 0.'300 mm         VILLAGE OF STAUCES         EAST HAWKESBURY         199-07.01         2035         20.600D         CNTY16           STMLN_05         LBROSE         1114 0 mm         Concret         0.0.300 mm         VILLAGE OF STAUCES         EIS //0.VCPR 5//0.         199-07.01         2050         25.600D         CONTY16           STMLN_06_LAG         GBLT         M114 0 mm         Concret         0.0.300 mm         VILLAGE OF STAUCES         EIS //0.VCPR 5//0.         199-0.0101         205	STMLN 173 MILL			99 (	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF ST-EUGENE	EAST HAWKESBURY	1962-07-01	2022	0	POOR	RD459
STML 71, 72, 724 M         P<         P         P         P	STMLN 170 ST.PAUL			122 0	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF ST-EUGENE	EAST HAWKESBURY	1991-01-07	2051	29	GOOD	RD384
STML 312, ST Jeam         ML ST         LBROSE         29         mm         Coacte         0.0.00 and         VILLAGE OF ST-LICENE         EAST HAVESBURY         1982-07-10         2022         0         POOR           STML 0, 025         CBM12         CBM10         73         J0mm         Coactel         22.8         0.30 mm         VILLAGE OF ST-LICENE         ELST HAVESBURY         1982-07-10         2022         0         POOR         CNTY16           STML 0, 05, LARROSE         CBM12         CBM14         0.0.scorete         22.8         0.30 mm         VILLAGE OF ST-LICENE         EI 50% /UCPR 50%         1984-01-01         2050         266 GOD         CNTY16           STML 0, 05, LARROSE         E         0.0.scorete         20.50 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAVESBURY         1994-01-01         2051         256 GOOD         CD121           STML 0, 01         CBM1         CBM17         63         30 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAVESBURY         1994-01-01         2051         316 GOOD         D2121           STML 0, 01         CBM14         CBM14         63         30 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAVESBURY         1994-01-01         2025         310 GOOD         D2121	STMLN_042	MH9	MH8	95 3	300 mm	Concrete	28.5	0 - 300 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD321
STML 0,05         CMH2         OBH3         73 30 mm         Concrete         22.8 0.: 30 nm         VILLAGE OF CHUTE: A.: BLONDEAU         B5 59% (JCR 95%)         1984.01         2044         22.600D         CNTY166           STML 3, 64 JABRS         Image: State of the stat	STMLN 174 CR14			169 0	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF STE-ANNE-DE-PRESCOTT	EH 50% / UCPR 50%	1965-07-01	2025	3	POOR	
STMLN_168_LABROSSE         File         1114         0 mm         Concrete         0         0         300 mm         VILLAGE OF ST-ELGENE         EH 50% / UCPR 50%         1996-07.01         2055         28 GOOD         28 GOOD           STMLN_166_CAB         Sportfield         CB         101 <sup>2</sup> 20 mm         Concrete         20.50 mm         VILLAGE OF ST-ELGENE         EH 50% / UCPR 50%         1996-07.01         20.55         28 GOOD         28 GOOD           STMLN_045         CB12         CBM17         63 30 mm         Concrete         20.50 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAWKESBURY         1996-07.01         2055         31 (GOOD         RD21           STMLN_045         CBM1         CBM17         63 30 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAWKESBURY         1996-07.01         2025         31 (GOOD         RD21           STMLN_045         CM114         CBM17         0 mm         Concrete         20.3 0 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAWKESBURY         1996-07.01         2025         31 (GOOD         RD21           STMLN_041         CBM14         CBM14         Tam         Concrete         20.3 0.30 mm         VILLAGE OF CHUTE- A- BLONDEAU         EAST HAWKESBURY         1996-07.01         2025         31 (GOOD	STMLN_172_ST Jean	MILL ST	LEBROSSE	259 0	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF ST-EUGENE	EAST HAWKESBURY	1962-07-01	2022	0	POOR	
STML 1, 15, CAB         System         CB         107         200 mm         Concrete         327 0 - 300 mm         VILLAGE OF CUTE: A - BLONDEAU         EAST HAVESBURY         1944-01         2054         32 GOOD         >           STMLN, 0.6         CB         CBM17         63         100 mm         Cascrete         18.90 - 300 mm         VILLAGE OF CUTE: A - BLONDEAU         EAST HAVESBURY         1994-01 0         2055         31 GOOD         D212           STMLN, 15, CR18         CBM17         51 00 mm         Cascrete         0 0 - 300 mm         VILLAGE OF STEANNEDEPRESCOTT         E1 50% / UCPR 50%         1965-01         2025         3 POOR           STMLN, 0,41         CBM12         CIM12         71         300 mm         Cascrete         21.30 - 300 mm         VILLAGE OF CHITE: A - BLONDEAU         E1 50% / UCPR 50%         1965-01         2025         3 POOR           STMLN, 0,41         CBM12         CM112         71         300 mm         VILLAGE OF CHITE: A - BLONDEAU         E1 50% / UCPR 50%         1964-01         2044         22 GOOD         CNT166           STMLN, 0,41         CB12         OTTLET         650         100 mm         VILLAGE OF CHITE: A - BLONDEAU         E154% / UCPR 50%         1964-01         2045         31 GOOD         2051	STMLN_025	CBMH2	CBMH3	76 3	300 mm	Concrete	22.8	0 - 300 mm	VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY106
STMLN_043         CB12         CEM IF         6.3         One         Concert         18.9         0.300 nm         VILLAGE OF CHUTE-A- BLONDEAU         EAST HAVKESBURY         1993-01-01         20.55         31.0         CODD         RD321           STMLN_043         CB14         70.10         0.mm         Concrete         10.9         0.00 nm         VILLAGE OF CHUTE-A- BLONDEAU         EAST HAVKESBURY         1993-01-01         20.55         31.0         CODD         RD321           STMLN_043         CBMH         CBMH2         71.30 nm         VILLAGE OF CHUTE-A- BLONDEAU         EAST HAVKESBURY         1993-01-01         20.25         31.00 DD         RD321           STMLN_043         CBMH         CBMH2         71.30 nm         VILLAGE OF CHUTE-A- BLONDEAU         EAST HAVKESBURY         1993-01-01         20.45         20.00 D         CNTV16           STMLN_043         CBMH         CBMH2         0.01 LET         6.90 nm         Concrete         5.57         80.1000 nm         VILLAGE OF CHUTE-A- BLONDEAU         EAST HAVKESBURY         1993-01-01         20.45         2.31         GOOD         RD321           STMLN_041         CB12         OUTLET         6.90 nm         Concrete         5.57         80.1000 nm         VILLAGE OF CHUTE-A- BLONDEAU         EAST HAVK	STMLN 168 LABROSSE			1114 0	0 mm	Concrete	0	0 - 300 mm	VILLAGE OF ST-EUGENE	EH 50% / UCPR 50%	1990-07-01	2050	28	GOOD	
STMLN_043         CB2         CBM17         63         30 mm         Concrete         18.9         0.00 mm         VILLAGE OF CHUTE-A-BLONDEAU         EAST HAWKESBURY         1993-0.01         2053         31         GOOD         RD321           STMLN_043         C         TO         0 mm         Concrete         18.9         0.00 mm         VILLAGE OF CHUTE-A-BLONDEAU         EAST HAWKESBURY         1993-0.01         2053         31         GOOD         RD321           STMLN_043         C         MMH         CBMH2         71         30 mm         Concrete         21.30         30 mm         FLAGE OF CHUTE-A-BLONDEAU         EAST HAWKESBURY         1994-0.01         2043         2050         CHY16           STMLN_041         CBMH         CBMH2         OUTLET         65         90 mm         VILAGE OF CHUTE-A-BLONDEAU         EAST HAWKESBURY         1994-0.01         2043         2050         CHY16           STMLN_041         CBM2         OUTLET         65         90 mm         Concrete         55,7         801-1000 mm         VILAGE OF CHUTE-A-BLONDEAU         EAST HAWKESBURY         1994-0.01         2053         31         GOOD         RD321           STMLN_041         CB12         OUTLET         65         90 mm         VILAGE OF C		Sportsfield	СВ				26.75	0 - 300 mm			1994-01-01	2054			
STMLN_375_CR18         P	STMLN_043		CBMH7	63 3	300 mm	Concrete	18.9	0 - 300 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD321
STML_024         CBM H1         CBM H2         71         300 mm         Concrete         21.3         0 - 300 mm         VILLAGE OF CHUTE - A - BLONDEAU         EH 50% / UCPR 50%         1984-01-01         2044         22         GOOD         CNTY166           STML_041         CB12         OUTLET         63         900 mm         Concrete         56.7         801 - 1000 mm         VILLAGE OF CHUTE - A - BLONDEAU         EAST HAWKESBURY         1993-01-01         2053         31         GOOD         R321				710 0	0 mm	Concrete	0	0 - 300 mm			1965-07-01	2025	3	POOR	
STMLN_041 CB12 OUTLET 65 900 mm Concrete 55.7 801 - 1000 mm VILLAGE OF CHUTE-A - BLONDEAU EAST HAWKESBURY 1993-01-01 2053 31 GOOD RD321	STMLN 024	CBMH1	CBMH2	71 3	300 mm	Concrete			VILLAGE OF CHUTE - A - BLONDEAU	EH 50% / UCPR 50%	1984-01-01	2044	22	GOOD	CNTY106
STMLN 039 MH6 MH8 105 900 mm Concrete 94.5 801 - 1000 mm VILLAGE OF CHUTE - A - BLONDEAU EAST HAWKESBURY 1993-01-01 2053 31 GOOD RD321															
	STMLN 039	MH6	MH8	105 5	900 mm	Concrete	94.5	801 - 1000 mm	VILLAGE OF CHUTE - A - BLONDEAU	EAST HAWKESBURY	1993-01-01	2053	31	GOOD	RD321

ASSET TYPE	ASSET SUB TYPE	ASSET NAME	ASSET ID	FROM		ASSEI	LENGTH (m)	WIDTH	MATERIALS	AREA (m2)	CLASSIFICATION	DATE INSTALLED	WARD
Sanitary Network	Sewerline (Waste Water)	1	1					0 mm					
Sanitary Network	Sewerline (Waste Water)	SWL_002_PRINCIPALE	SWL_002	MH 00002	MH 00003		101	200 mm	Poly vinyl chloride	20.2	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_010_DES PINS	SWL_010	MH 00007	MH 00006	RD321	120	200 mm	Polyvinyl chloride	24	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_008_DES PINS	SWL_008	MH 00008	MH 00007	RD321	120	200 mm	Polyvinyl chloride	24	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_006_DES PINS	SWL_006	MH 00010	MH 00009	RD321	60	200 mm	Poly vinyl chloride	12	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_007_DES PINS	SWL_007	MH 00009	MH 00008	RD321	124.5	200 mm	Poly vinyl chloride	24.9	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_003_PRINCIPALE	SWL_003	MH 00003	MH 00002		119	200 mm	Poly vinyl chloride	23.8	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_012_DES CEDRES	SWL_012	MH 0005			120	200 mm	Poly vinyl chloride	24	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_004_PRINCIPALE	SWL_004	MH 00002	MH 00001		120.9	200 mm	Poly vinyl chloride	24.18	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU
Sanitary Network	Sewerline (Waste Water)	SWL_011_DES PINS	SWL_011	MH 00011	MH 00010	RD321	65	200 mm	Poly vinyl chloride	13	DR 35	2008-12-08	VILLAGE OF CHUTE- A - BLONDEAU