

"Asset Management Update 2022"

The Township of Stirling-Rawdon

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Ontario Regulation 588/17

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.

Revised Date: July 1, 2024 (previously 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.

Revised Date: July 1, 2025 (previously 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.

Recommendations

Township to set aside an annual fund for ongoing asset management implementations, including inventory updates and collection of condition ratings.

Reduce financial liability through the Adoption an electronic service request to collect citizens inquires as well as deficiencies found by staff

Reduce financial liability through the adoption an electronic data repository of inventory and required maintenance

Reduce financial liability through the establishment an annual inspection process for culverts and roads

Reduce financial liability through the establishment a desired Level of Service for core infrastructure assets by utilizing condition ratings

Reduce financial liability through the establishment a Risk matrix utilizing; Probability of Failure (PoF) and Consequence of Failure (CoF)

Establish and maintain an accurate cost matrix specific to the township indicating actual replacement costs

Council Responsibility

- Council's responsibility is to provide direction to staff while supporting qualified staff in their choices.
- Members of council play an important role in validating township level of service through the policies that they adopt, the review and the ongoing involvement when levels are adversely affected.
- Members of council need to be educated on the asset management strategies which comprise of lifecycle events in order to reduce risk impact.
- As part of the Asset Management Policy, council to establish and support the frequency of the AM reviews.
- Council should validate and support the timelines required to reach expected Levels of Service

Asset Management Components

Accurate and detailed asset inventory

- a summary of the assets in each category
- condition of the assets in each category
- the average age of the assets in each category
- a sufficient detailed data collection of each asset

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 with respect to the assets in each asset category for the 10-year period
- Maintenance, rehabilitation, reconstruction

Level of Service

- Establishing Level of services
- The risks associated with the options
- Establish routine maintenance schedules
- Create work orders, and manage the repairing deadlines.

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
- Calculate the replacement cost of the assets in each category
- Based on projected funding, identify any funding shortfall for the lifecycle activities
- An identification and explanation of the options examined by the township to maximize the funding associated to lifecycle events

Municipal Engagement

- Make available electronic updates with the help of maps and tabular reports on the Township website
- Township residents and other interested parties able to provide input
- Electronic service requests associated to location, deficiency type, and action required

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 of Stirling-Rawdon. The Township needs to ensure that the infrastructure performs to meet the level of service goals at an affordable and sustainable cost. The objective of Levels of Service (LoS) analysis is to find a balance between the expected levels of service and the cost of providing that level of service. Determining township level of service policies requires first developing a baseline for acceptable and affordable LoS. 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 expected LoS.

Desired Level of Service (LoS)

Begin by establishing a desired LoS for each road category. For a paved road a PCI rating of 75 while for a gravel road a condition of Fair which may be the equivalent of 60 a PCI.

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. Regular and routine Updates
 - Yearly updates to the LoS validated by costs and risks

Level of Service Overview

LoS is a balance between user expectations for overall quality, performance, availability and safety versus affordability. LoS contains a number of distinct categories including:

- Service Identification
- Financial capacity
- Municipal risk
- Community Expectations

- Technical component
- Strategic (community) component

Community

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.

Community LoS outline the overall quality, performance, availability and safety of the service being provided. Technical levels of service outline the operating, maintenance, rehabilitation, renewal and upgrade activities expected to occur. LoS is therefore a balance between user (citizen) expectations for overall quality, performance, availability and safety to a cost that is reasonable and affordable.

LoS Matrix

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 and consequences of failure. Proposed targets for customer and technical levels of service must be included as part of the asset management strategy

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

LoS is a balance between user expectations for overall quality, performance, availability and safety, versus affordability. There are three (3) distinct categories of LoS:

- Municipal risk
- Asset life cycle cost implications
- Financial options

Technical levels of service (TLS) outline the operating, maintenance, rehabilitation, and renewal strategies and upgrade activities expected to occur. TLS must be considered that also look at the risk associated with providing the service.

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.

Accurate and updated Inventory

An inventory repository stores detailed attributes associated to individual assets with sufficient detailed appropriate for the Township. Each asset listing can capture a variety of information from the physical location to the more specific details such as To, From, width, length, etc. The inventory repository is a valuable resource to all township staff as the information regarding their assets is organized, stored and accessed in one common location.

Key items;

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

Lifecycle History

Collect historical condition ratings from "roads needs study" or from other sources.

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

Lifecycle Event: establish the hierarchy of lifecycle events including; treatments, costs, associated to specific pavement condition indexes.

Attachments: Attaching documents such as photos of assets, legal documents, and technical documents.

Invoices: 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 see if alternative lifecycle events should be considered.

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

Lifecycle events

Measure the effectiveness of adopting various lifecycle strategies such as maintenance, rehabilitation, reconstruction. For roads lifecycle events may include;

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

Risk

Risk is a combination of PoF and CoF

Prioritization Matrix

Assigning a numeric base line value for each township asset category will enable the prioritization and comparison of various asset categories.

Probability of Failure (PoF)

As the assets deteriorate the probability of failure increases. Not all road assets deteriorate at the same level. In some cases the deterioration may be quantitative as 2 PCI per year based on road usage, road base, and ongoing maintenance. 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 PCI, and remaining useful life are matched against a desired level of service. The results, 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 lookup

Environmental conditions; Values from 1- 5 with associated description and details outlining the severity of the consequence associated to the environment

Financial conditions; Values from 1- 5 with associated description and details outlining the severity of the consequence associated to the financial

Health and safety conditions; Values from 1-5 with associated description and details outlining the severity of the consequence associated to the Health and safety

Legal; Values from 1-5 with associated description and details outlining the severity of the consequence associated to the Legal

Operational conditions; Values from 1- 5 with associated description and details outlining the severity of the consequence associated to the Operational

Data Validation and visualization

Asset Matrix

Category	Туре	Confidence
roads	roads	Very good
bridges	bridges	Very good
culverts	Culverts <3	Very good
Water	Water	Very good
Wastewater	Wastewater	Very good
Storm Water	Storm Water	Very good

Asset Condition Information

Category	Туре	Current Condition rating	Optimal condition rating
roads	roads	Estimated useful life	PCI
bridges	bridges	Very good	BCI
culverts	Culverts <3	Estimated useful life	inspections
Water	Water	Estimated useful life	Estimated Useful
			life/inspection
Wastewater	Wastewater	Estimated useful life	Estimated Useful
			life/inspection
Storm water	Storm water	Estimated useful life	Estimate Useful
			life/inspection

Asset attributes

Asset category	Asset attributes	Data collection
road	Area square	✓
	Road classification	✓
	Surface material	✓
bridges	Area square	✓
	Load Posting	✓
	BCI	✓
Water	Size of pipe	✓
	BCI	✓
Wastewater	Size of pipe	✓
	BCI	✓
Stormwater	Diameter	√
	Material	√
	age	✓

Roads

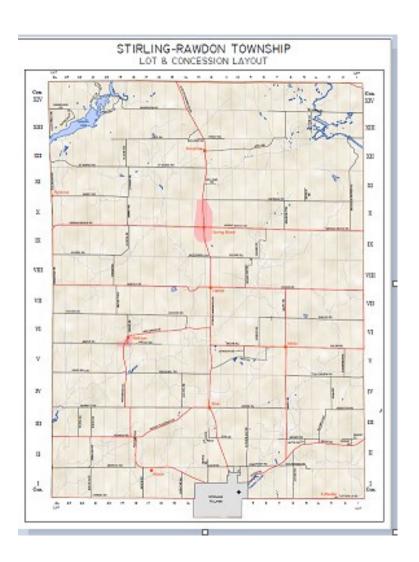
Column 1 Service attribute	Column 2 Community levels of service (qualitative descriptions)	Column 3 Technical levels of service (technical metrics)
Scope	Description, which may include maps, of the road network in the municipality and its level of connectivity. See Image #1 page 14	Number of lane-kilometers of each of arterial roads, collector roads and local roads as a proportion of square kilometers of land area of the municipality. 225 Kms of Collector Roads 58 Kms of Local Roads
Quality	Description or images that illustrate the different levels of road class pavement condition.	1. For paved roads in the municipality, the average pavement condition index value. Average Condition Index 75 PCI 2. For unpaved roads in the municipality, the average surface condition (e.g. excellent, good, fair or poor). Unpaved Roads Average condition is Fair

Road LoS Target

For Asphalt roads, the township has established a PCI rating for the target level of service for roads and classifying road segments based on surface types and the minimum standards Ontario Reg. 239/02. The desired level of service for township roads is to maintain an average weighted condition rating of for each road type based on each asset category such as HCB, LCB, and gravel. The rating system consists of a numeric Pavement Condition Index (PCI) of 1 through 100. For the purposes of this LOS, the following assumptions were made for road deterioration

- Adopting a methodology based on minimum standards Ontario Reg. 239/02.
- Utilizing existing roads needs studies
- Collecting routine road data through regular inpections
- Citizen engagement strategy.

Road Inventory – Image #1







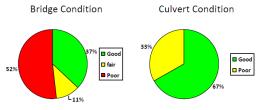


Bridges and Culverts > 3 m

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).	Percentage of bridges in the municipality with loading or dimensional restrictions.
Quality	 Description or images of the condition of bridges and how this would affect use of the bridges. Description or images of the condition of culverts and how this would affect use of the culverts. 	 For bridges in the municipality, the average bridge condition index value. For structural culverts in the municipality, the average bridge condition index value.



	Asset Health Summary			
	Bridges			
	Poor Fair Good			
BCI<	50	50 <bci<60< td=""><td>60<bci<70< td=""><td>BCI<70</td></bci<70<></td></bci<60<>	60 <bci<70< td=""><td>BCI<70</td></bci<70<>	BCI<70
9		5	3	10
	Culverts			
	Po	or	Fair	Good
BCI<	50	50 <bci<60< td=""><td>60<bci<70< td=""><td>BCI<70</td></bci<70<></td></bci<60<>	60 <bci<70< td=""><td>BCI<70</td></bci<70<>	BCI<70
1		0	0	2



Structure Number	Structure Name	Road Name	Struct. Type	Deck Area (sq.m)	Estimated Replacement Cost (2021\$)	BCI
1	Seely's Bridge	Evergreen Road	I-Beams or Girders	135	\$1,280,000.00	74.53
2	Goods Road Bridge	Goods Road	T-Beam	54.1	\$580,000.00	54.04
3	Rawdon Creek Bridge	Minto Road	T-Beam	83	\$790,000.00	47.78
4	McGee Bridge	McGee Road	I-Beams or Girders	86.7	\$820,000.00	96.83
5	Cain's Bridge	Hollowview Road	Rigid Frame, Vertical Leg	38.5	\$500,000.00	56.88
6	Hagerman Bridge	Hagerman Road	Arch Culvert	54.3	\$590,000.00	91.06
7	Sine Bridge	Cooke Road	T-Beam	41.8	\$550,000.00	59.43
8	Harold Cheese Factory Road Brid	Harold Road	T-Beam	38.5	\$500,000.00	36.26
9	Sprys Bridge	Storms Road	Earth Filled Arch	135	\$1,280,000.00	48.71
10	Bronson's Bridge North	Bronson Rapids Road	T-Beam	65.5	\$710,000.00	57.61
11	Bronson's Bridge South	Bronson Rapids Road	T-Beam	119.9	\$1,140,000.00	45.58



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List 1 - Summary Listing of All Structures

Structure Number	Structure Name	Road Name	Struct. Type	Deck Area (sq.m)	Estimated Replacement Cost (2021\$)	BCI
12	County Road 14 North Bridge	County Road 14	Rigid Frame, Vertical Leg	74.6	\$810,000.00	69.1
13	Squire's Creek Bridge	Wingfield Road	I-Beams or Girders	252.8	\$1,900,000.00	74.91
14	Anson Road Bridge	Anson Road	Arch Culvert	56	\$600,000.00	99.84
15	Ridge Road Bridge	Ridge Road	I-Beams or Girders	189.1	\$1,420,000.00	70.8
16	Gurnsey Bridge	Barrett Road	I-Beams or Girders	132.7	\$1,260,000.00	65.24
17	Henry Street Bridge	Henry Street	Rigid Frame, Vertical Leg	220	\$1,650,000.00	35.04
18	James Street Bridge	James Street	I-Beams or Girders	201.6	\$1,510,000.00	73.54
19	Highway 14 North and South	Highway 14	I-Beams or Girders	293	\$2,200,000.00	70.09
20	Frankford Road Bridge	County Road 33	Rigid Frame, Vertical Leg	174.7	\$1,310,000.00	59.05
21	Bedford Road Bridge	Bedford Road	Rigid Frame, Vertical Leg	30.2	\$400,000.00	34.09
22	Dunnan's Bridge	Demorest Road	Box Beams of Girders	111.6	\$1,060,000.00	74.15
23	Green Road Bridge	Green Road	Rigid Frame, Vertical Leg	25.9	\$340,000.00	40.82
25	Sine Road Bridge	Sine Road	Rigid Frame, Vertical Leg	22.5	\$290,000.00	42.99
26	King's Mill Bridge	CR-19 Wellmans Road	Box Beams of Girders	252	\$1,890,000.00	70.33
27	Wellmans Road North Bridge	CR-19 Wellmans Road	Rigid Frame, Vertical Leg	24	\$310,000.00	33.44
28	Wellmans Road West Bridge	CR-19 Wellmans Road	Rigid Frame, Vertical Leg	75.3	\$810,000.00	73.04
29	Springbrook Road Bridge	Springbrook Road	Box Beams of Girders	132	\$1,250,000.00	66.9
30	St. Marks culvert	St. Marks Road	Rectangular Culvert	21.6	\$280,000.00	27.95
32	Wellmans Road East Bridge	CR-19 Wellmans Road	Rigid Frame, Vertical Leg	106	\$1,010,000.00	74.06



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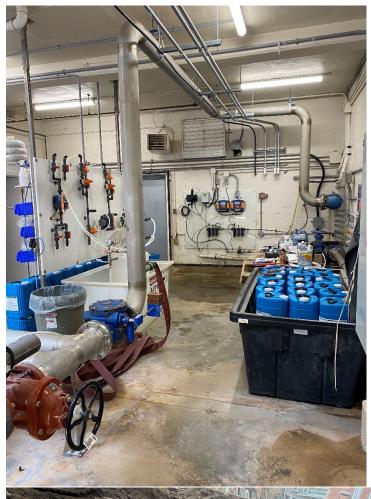




Column 1 Service attribute	Column 2 Community levels of service (qualitative descriptions)	Column 3 Technical levels of service (technical metrics)
Scope	 Description, which may include maps, of the user groups or areas of the municipality that are connected to the municipal water system. Description, which may include maps, of the user groups or areas of the municipality that have fire flow. 	 Percentage of properties connected to the municipal water system. Percentage of properties where fire flow is available.
Reliability	Description of boil water advisories and service interruptions.	1. The number of connection-days per year where a boil water advisory notice is in place compared to the total number of properties connected to the municipal water system. 2. The number of connection-days per year due to water main breaks compared to the total number of properties connected to the municipal water system.

Water Asset Images







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.	Percentage of properties connected to the municipal wastewater system.
Reliability	 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. Description of the frequency and volume of overflows in combined sewers in the municipal wastewater system that occur in habitable areas or beaches. Description of how stormwater can get into sanitary sewers in the municipal wastewater system, causing sewage to overflow into streets or backup into homes. Description of how sanitary sewers in the municipal wastewater system are designed to be resilient to avoid events described in paragraph Description of the effluent that is discharged from sewage treatment plants in the municipal wastewater system. 	 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. The number of connection-days per year due to wastewater backups compared to the total number of properties connected to the municipal wastewater system. The number of effluent violations per year due to wastewater discharge compared to the total number of properties connected to the municipal wastewater system.







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.	 Percentage of properties in municipality resilient to a 100-year storm. Percentage of the municipal stormwater management system resilient to a 5-year storm.

Storm Water Asset Images



Spreadsheets – Road Data Collection – other assets are available at the office.

2022		Stirling-Rawdon Surface Treatment Road Evaluation								
Road Name	ID#	Location	Length (km)	Rating (Out of 5)	Road Condition	Road Condition %	Class	Comments/Improvements	Date Inspected	Cost
Wingfield Rd South	ID#3027	Hoard's Rd to Carmel Rd	2.8	2.15	POOR	43	4	High shoulders removed in 2016. Section needs to be raised in the swamp. Areas of road beyond repair and needs to be pulverized and replaced with DST layer. Pulverized swamp section of road in 2017. Signs inspected Summer 2021.	2022	\$277,346
Wingfield Rd	ID#3026	Hoard's Rd to Maple Rd	4.3	2.30	POOR	46	4	Road section is beyond repair. Needs pulverizing, ditching and high shoulders removed. DST layer is needed now. Have removed some high shoulders fall 2019. Signs inspected summer 2021.	2022	\$382,219
Wellman's Rd	ID#3023	Stirling-Marmora Rd to Maple Rd	4.24	2.40	POOR	48	4	DST layer applied South Barrett's Rd in 2014. SST layer needed soon. Section needs to be pulverized and replaced with new DST layer. Signs inspected in summer 2021. deaned culvert ends September 2023.	2022	\$468,284
Wellman's Rd	ID#3024	Maple Rd to Barrett Rd	3.23	2.40	POOR	48	4	DST layer applied South Barrett's Rd in 2014. SST layer needed soon. Section needs to be pulverized and replaced with new DST layer. Signs inspected in summer 2021. Cleaned culvert ends September 2023.	2022	\$346,403
Cooke Rd	ID#3000	Stirling-Marmora Rd to Joyce Rd	7.1	2.4	POOR	48	4	Few road base dig outs, ditching and high shoulders need to be removed. Current DST layer applied in 2013 needs a SST layer now. Signs inspected summer 2021. Hill at Robert Millers rebuilt summer 2019.	2022	\$125,745
Maple Rd	ID#3010	Wellman's Rd to Wingfield Rd	3.3	2.45	POOR	49	4	Current surface layer deteriorated past repair. Needs pulverizing, high shoulders removed, ditching to improve drainage and new DST surface layer. Section was pulverized in 2017. Signs inspected in summer 2021.	2022	\$624,184
Gospel Rd	ID#3008	Springbrook Rd W to Springbrook Rd W	4.7	2.55	POOR	51	4	Brushing completed in 2017. Road needs high shoulder removed, ditching, pulverizing and replaced with DST layer. Current layer deteriorated past repair. 3 areas have been pulverized. Signs inspected summer 2021.	2022	\$419,857
Salem Rd	ID#3013	Stirling-Marmora Rd to Minto Rd	3.52	2.7	POOR	54	4	Few road base dig outs, ditching and high shoulders need to be removed. Current DST layer applied in 2012 needs a SST layer now. Signs inspected summer 2021. Hill at Forestall Hay barn rebuilt summer 2019. Few road base dig outs, ditching and high	2022	\$853,914
Salem Rd	ID#3013	Minto Rd to Joyce Rd	3.66	2.7	POOR	54	4	shoulders need to be removed. Current DST layer applied in 2012 needs a SST layer now. Signs inspected summer 2021. Hill at Forestall Hay barn rebuilt summer 2019, proxymer throughout section. DST applied in 2013 needs	2022	\$117,190
Tuftsville Rd	ID#3021	Goods Rd to Baptist Church Hill	1.53	2.75	FAIR	55	4	SST layer now. Remaining needs pulverizing and DST layer. Sign inspection completed summer 2021. Pulverizing of 1.5 km's from	2022	\$332,246
Lake Rd	ID#3009	Stirling-Marmora Rd to Hoard's Rd	1.7	2.9	FAIR	58	4	Current DST layer applied in 2013. Three dig out areas of bad base, ditching and remove high shoulders is needed. SST layer is needed now. Signs inspected Summer 2021. Remove high shoulders, ditching, brushing	2022	\$299,215
Tuftsville Rd	ID#3020	9 Tuftsville Rd to Goods Rd	1.5	3.10	FAIR	62	4	throughout section. DST applied in 2013 needs SSTT ayer now. Remaining needs pulverizing and DST layer. Sign inspection completed summer 2021. Pulverizing of 1.5 km's from handist thursh to houndare. DST layer applied South Barrett's Rd in 2014.	2022	\$322,271
Wellman's Rd	ID#3025	Barrett Rd to Hoard's Rd	1.38	3.15	FAIR	63	4	SST layer needed soon. Section needs to be pulverized and replaced with new DST layer. Signs inspected in summer 2021. Cleaned culvert ends September 2023.	2022	\$163,713
Mount Pleasant Rd	ID#3011	Stirling-Marmora Rd to Hoard's Rd	3.8	3.15	FAIR	63	4	Road section needs pulverizing and new DST layer. Current layer has deteriorated past repair. Ditching is needed to improve drainage and road base. Signs inspected summer 2021.	2022	\$262,328
Fargey Rd	ID#3006	Ridge Rd to Dead End	1.0	3.7	GOOD	74	4	Ditching and high shoulders need to be removed. Layer of DST applied in 2013. SST layer is needed now. Signs inspected summer 2021. Road is due for final SST.	2022	\$87,802
Fargey Crescent	ID#3005	Fargey Rd to dead end	0.2	3.75	GOOD	75	4	Ditching and high shoulders need to be removed. Layer of DST applied in 2013. SST layer is needed now. Signs inspected summer 2021. Road is due for final SST. High Shoulders removed and brushing	2022	\$41,480
St. Mark's Rd	ID#3017	Stirling-Marmora Rd to Rylestone Rd	7.3	3.95	GOOD	79	4	completed in 2017. Few roadbase dig outs and ditching needed. DST layer applied in 2006 needs SST layer now. Signs inspected summer	2022	\$559,505
Sutherland Rd North	ID#3018	Green Rd to Demorest Rd	2.7	4	6000	80	4	DST layer applied in 2014. SST layer needed in very near future. Remove high shoulders and cold patch damages edges prior to applying lift. Signs inspected summer 2021. Road is due for SST layer.	2022	\$413,310
Sutherland Rd South	ID#3019	Demorest Rd to Ridge Rd	0.7	4.1	GOOD	82	4	High shoulders removed in 2016. Ditching updated 2019, some culverts replaced in 2018. Road was pulverized and 4" new gravel added and DST layer was completed in 2019. Signs inspected summer 2021.	2022	\$53,351
Demorest Rd	ID#3001	Stirling-Marmora Rd to Sutherland Rd South	1.3495	41	GOOD	82	4	High shoulders removed and layer of DST East of Sutherland Rd in 2017. DST West side of Sutherland Rd in 2015. Budget for SST layer in next 5 years. Signs inspected summer 2021. SST layer due now from Sutherland S to Stirline. Marmora Rd.	2022	\$223,354
Goods Rd	ID#3007	Ridge Rd to Tuftsville Rd	2.7	4.10	GOOD	82	4	High shoulders removed and layer of DST applied in 2017. Budget for SST layer in next 5 years. New shoulder material added summer 2019. Signs inspected summer 2021.	2022	\$174,135
Edward Street	ID#3003	From Legion to Demorest Road	0.74	4.25	GOOD	85	4	Surface layer is showing signs of satigue, alligator and longitudial cracks forming. Sidewalks beginning to shift, no curb and gutter. Requires complete reconstruction. Signs inspected summer 2021. Surface	2022	\$48,495
Evergreen Rd	ID#3004	Goods Rd to Ridge Rd	0.8	4.3	EXCELLENT	35	4	High shoulders removed and layer of DST applied in 2017. Budget for SST layer in next S years. Work done around bridge(brushing, high shoulders, new caps on posts) summer 2019. Signs inspected summer 2021.	2022	\$24,575
Springbrook Rd West	ID#3016	Railroad Tracks to Trent Hills Boundary	7.5	4.65	EXCELLENT	93	4	Ditching, high shoulders removed and culverts replaced in 2017. Section pulverized and DST layer in 2018. Signs inspected summer 2021.	2022	\$337,000
Tuftsville Rd	ID#3022	Baptist Church Hill to Boundary	2.8	4.75	EXCELLENT	95	4	Road was reconstructed Summer 2020. Some sections road base repaired, all new DST and new culverts. Sign inspection 2021.	2022	\$323,620
Springbrook Rd East	ID#3015	Municipal Building to Centre Hastings Boundary	7.2	4.75	EXCELLENT	95	4	Ditching, high shoulders removed and culverts replaced in 2018. Section pulverized and DST layer in 2019. Signs inspected summer 2021.	2022	\$61,579
Demorest Rd South	ID#3002	Sutherland Rd South to Ridge Rd	0.9505	4.85	EXCELLENT	97	4	High shoulders removed and layer of DST East of Sutherland Rd in 2017. DST West side of Sutherland Rd in 2015. Budget for SST layer in next Syears. Signs inspected summer 2021. SST layer due now from Sutherland Sto.	2022	\$147,153
Old Marmora Rd	ID#3012	Shared Boundary to Bronson Rapid Rd	0.7	5.00	EXCELLENT	100	5	Road reconstructed Summer of 2020. Signs inspected summer 2021.	2022	\$97,595

2022			Stirli	ng-Rav	rdon Asp	halt Roa	d Eval	luation	construct include pas	ion. Furtil roads ement cost only.
Read Name	0487	Cocation	(hos)	(Out of 1)	Condition	Condition %	Class	Comments/Improvements Real's deferring in area, and developing and in temperature.	Imperied	Card SUN, CYL. ID
Ningha G	0.000	inter tirts Dead Sed	9.1		*****	Ŀ		however will need to be replaced in near fature. Signs improded summer XSL fatures breaking drawn, all gates reading and more additional technologies to be too. No	380	tintorm
Analgers Dr	0.106	Belleville Brits Dead End	43	an				sideraudic or outs and gotter. Continue to munitor and maintain, Signs impented summer 2005.	380	591,09.0
Wests	0.4300	William Secret in Tanner-Orion	911	24%			4	Surface Septric musking and breaking down. Continue to manifer and muskula. Signs. Impeded summer 2005.	360	545,63.00
West	0.00	Tanner Drive in Standpipe (Saseneral)	008	14%			4	Surface Septric reacting and lensing down. Continue to marries and maintain. Sign. Inspected summer XCS.	380	\$40,312.60
Words Dr	0.00	Promittent Males Gentlern Ave.	91	16	POOR			Section is wraning thin and parament breaking in area. Continue to marrier and	360	5163,776.00
_					_	-		maintain. Egro, imported summer 2011. Current shainage losses that water sits in the		
North St	0100	West Frank St to Legion	0.78	16	HOOR	"	4	to deteriorate. Continue to marrier and maintain. Signs imported summer 2015.	380	\$1,000,000.00
Gersten item	0.4106	Wasser St to Woods Dr	035	310				Estimates has been been dearly and shifting beiding reasing marks and deformations in the read Section would be be recombinated. Seen, inspected surroup 200.	380	(201,861.8)
Sant Frant Street	10 41018	Auch Star School e Mi	45	200	HOOK		4	Section named, to be completely expended summer 2011.	360	581,616.00
Newylk	0.100	Elasteth Sinset in George	036	10	HOOM	-		Section has recented the expensionsy and	360	
_		Street	_			<u> </u>	_	inspected summer XXI. Continuous expected the expensionsy and		940,404
Henry St	0.00	Cauge Street to Nivoli Frank Street	011	10				Inspected conner 2001. New infrastructure & Board hour stone in December 2000. New sidewalk December 2000 are West side of	360	DHUGKID
James St. Part 1	OFER	East-Provide Strict Mill Street	933	310			*	North and of the result's breaking up quicker then the Couth and, Continue to monitor and maintain. Signs imported commer 2011.	360	concount
iames la Part 2	0.000	All Section Con Sect	0.20	10			4	North and of the road's breaking up quicker than the Southerné. Continue to monitor and motivity. They immediate process VIII	360	SILEN
Witers						\vdash		Sention is showing signs of latigue. Continue	300	500,004.00
William G	OPES	MEG to Grad End	0.6	24%	P008			to munition and maintain. Egyn, impended summer 2020.	260	504,264.80
Date (1-)	0.000	W7 to Ferry Street	913	24%			4	All gater marking and obtained ferming in some areas. Mediter and maintain. Signs imported summer 2001. Publisher markin 2000. Spen, imported Summer 2001.	380	(27),488.00
Date (1-)	0.000	Henry Street is into Street	931	24%			4	All gater marking and obstession forming in some areas. Meditin and maintain. Signs imposted summer 2001. Publisher markin 2001. Same imposted Summer 2001.	380	(100,764.E)
Name of St.	0.4105	South of Elizabeth Street	93	240				Section has recented the expensionly and resolute the completely or combinated. Eight incoming summer XXI.	200	544,594.0
-				-			H			
MI 14	OFER	North Street Incidence Street	0.2	140			*	services is inspend in the rependancy and needs to be securiorated. Open impended currence 2016	360	501,04.90
wa 6	DAME.	iones livest to Enumbery	0.8	140	POOR.			Section is keyword life expensions; and needs to be seconstructed. Signs impensed summer	380	ST PRÉMITO NO
	0.410	Turbustie fel to Township	95	140	POOR	-	4	201. Section result to be completely	360	
nementile fol		Soundary	_	_		-		essentivated. Signs impended summer 2011. Section is substantially for man houseon additionary any assembling with wheel		5001, NLID
Ware Promits	0.000	Completificatified to Errora	9.5	140	P008		*	nutting, parament realing and distinger concern. Continue to marker and materials.	380	(21,40.0
Vistoria St	0.486	And Staldwell	62	3.38				and deformation in the surface from structures, laives. He sidewalls or such and guites. Requires complete or construction.	360	(36,60.8)
interfer	OFFE	East Provid St to Engel Engl	0.6	1.8				Board Section is beyond life expensionly and results for the reconstructed. Signs imposted	200	\$100,004.00
			_		_	-		same 300.		
Rater II	0.000	MEDITOR SAND	934	3.00			1	wraving fast and entire until newpoles or communities. Estimatilis are breaking, no make and gotton. Patch year in result in 2011 and one	360	504,04.0
Rater St	OFFE	Balak Sk North to Sunskpipe	0.3	3.86				Drainage conserve that audit recent along value the road and sidewalls. Surface layer is wearing last and entire sentian requires re-	360	SOLGE B
						_		combustion. Sales with are breaking, no make an in-		
Station St	0.480	Charsh Sirent to Train Station	0.20	18			4	Continue to manifer and maintain. Sign. Inspedied summer 2005.	360	504,044.30
Green In	0.108	Out the State State State St	0.1	100				Sention is starting to wear thin, made larginning to form seasing the results break in	360	SHANA
							Ť	arran. Necidencells or such & gotter. Signs impented summer 2011.		
Easter Dec	0.4100	Turbourille Ratios Bedievalle Rat	0.1	100			4	Boal surface is unaring down, very low volume road. Continue to monitor and maintain. Signs imported summer 2011.	360	(111,654.00
Secretaria.	0.000	National Date Science, Sc	008	10				Service is beyond life expensions; and needs to be completely recommunited. Upon	360	(201,953.25
HelyOr	0400		93	1.65	POCE			Inspected sames XXX. Final is breaking up with deformation and alligater made obsering on the surface.	360	SHTGMA
_			_	_	_	_		Mention and maintain. Signs inspected summer 2005. Completely control with alligator studing and analysis students have been sentenced.		
Redain for	0.106	Rater Octobased In	008	1.65	AGOR		4	complete or construction. Section has no sidewallour surk and guiter. Signs imposted	360	(SC), GELAG
Water Property	0.4308	Jerna in Talegraumis fid	62	1.00	NA.	30	4	New aphali, mail have & vess solvent in 2000 Egys Imperiod sammer 2001.	360	(36,30.8)
Aurit Nancy St	0.000	Wellington St to Dead End	63	3.86	ALA	e		Surface layer is amoning thin and showing signs of fullgase. Amount diligator reading and edge reads/foreids are beginning to form.	360	(00,00.0
Station St	0.00	West Provide to Dough Street	613	1.25	ALE.		4	North and of road names or commitment or Continue to marries and maintain. Signs.	360	DM,40.8
Tanner Gr	0.488		0.6	3.00		4		Inspected summer XCG. Passenant is marking and assuring thin. Continue to resolver. Signs inspected summer.	360	504,004.00
_		William Street Sead Sted						200. Some painting stone on road 2008. Anglied guider needs repair Salmadis resident in September 2003. Security 1888 Salmanage		SCHARLE
Stirling Marmon Ad	0.000	Democratificad to Dreen Ed	3.1	3.85	ALM.	44	3	Surface Super starting to show Saligue in areas. Continue to manifer and maintain. Sign. Imperiods amone: XIII. Some knowling done. Interest Advance Sign Teachers (see and	360	STREET, ST.
Stirling Marmon Mi	0.488	Green Resultin Cooke Read	54	3.85	ALM:	4	1	Surface Super starting to show fall gue in areas. Continue to monitor and maintain. Upon imported summer 2001. Some brooking stone	360	ST-MET-MET-MET
Stirling Marmon Ma	10 # 10%	Cooke Read to Saleman Read	414	18	ALA	a	1	Land Antonna Milita Tan Incoming and Section name attacking to show fall gue in area. Continue to manifer and maintain. Signs.	360	51,201,807.40
Edining Marmons	0 # 100		LAL .	3.00		_	3	frequencial number XXII. Lame broading done from Rateman Miles Taxa broading and a second seco	360	
-		DOING TOTAL TOTAL Y		-		-	_	Imperior tumoro promoto con imperior tumoro XXII. Lame brooking dana lama basing dana lama basing tumoro dana basing tumoro dan		54,905,604.60
Warlington II	0.000	North Stite Ealer St	93	18	ALM:	a		alligates stacking in national sections of the man. Section does not have sidewalks or notice	380	DM,KM.ID
George Is	0.4105	Some Stick Henry St	0.1	3.00	NA.	a	4	Read is in great condition. Continue to munitor and mulntain. Signs inspected summer 2020.	360	SIM, ON AD
Water Property	0.4388	Annia III to Completified No.	0.6	1.00	на	-	4	definiencies are approaching with wheel ruffing parament running and drainage removes. Continue to manifer and maintain.	380	5104,004.00
Ware Provide	0.000	North Stabilet Street	95	146	na.			Grant translation to the harmonic distinction of distinction are approaching with wheel runting and desirage assumes to making and desirage assumes. Continue to manifer and desirage assumes.	200	District
_			_					Opposites to parameter and maintain. Upgrades to parament and citizaniles completed in 2016. Onlinger and more fall.		
innet	0.4105	West Provid St to Dead Strail	931	146	ALM.		t.	invendur to landcape of land. Sign improtes unmer 2014.	360	(DH/MALE)
Gerti	0.000	And Gradenski	95	140	NA.	u		Enancy problems that water has difficulties maying the need, Large unitions of alligator making country, Egon, impeded summer 2005.	380	561,80.00
North St	0100	Municipal Office to Democraci Rel	0.20	18	448	e e	4	2006. Commit shallnege house that water sits in the water limits and the safety from its starting to determine the monitor and maintain. Signal impacted cummer 2016.	300	\$65,36.7
Springbrook Rd Water	0.00	Diving Manners Mile Salmad Trade	95	180		ш		Indiana Layer is wearing thin and the edges are breaking. Dishing is mented to assist drainage. Assolutioned new surface Layer in	380	500,201.00
Springbrook Rd Sant	orne	Stirling Silamona Sid to just E. of 2020 Springbrack Sid	63	2.6		u	4	the near bearn. Signs inquested summer XISS for layer is wrating thin and the edges are breaking. Dishing is needed to assist drainage. Assal will need new surface layer in	380	501,62.00
_			_	-			_	the new future light imported summer 2021.	_	
Ware Francis	0.486	Allan St to Jenis St	9.1	180	ALM.	ш	4	delicition in concentration for teachers with wheel and time in an agreement proving and drainage concerns. Continue to marries and maintain.	380	(214,761.20
Wester It	0.00	Assistant Nation Stead Engl	931	278				Parametric seasing thin Continue to	300	(201,704.00
winaer S	2120	represent father local End	411	178	ALM:			Parement is wearing thin. Continue to munitur and maintain. Signs imposted summer 2021.		sal,048
Salament Sa	0.000	MI to large	41	338		ш		Confuse layer is showing signs of ladigue, alligator and longitudial enalls families Edwards longituding to shift, no such and guiter. Empaires complete recommissation.	380	500,000.00
Allan Street	0.488	Church Strin St. James St	63	4.00	page .		s.	gatter. Emplies complete economics di en Emplies complete economics VIII Emilian is in excellent sondition. Upos inspected summer 2006.	380	581,30.80
_					6000		_		_	
Completified No.	0.000	West Francisco Lake Read	0.8	440	6000		4	Sention's in really guarisonalities. Signs imported summer 2021	380	21'007'408'00
		Water Country In the Towner						Service is in great condition. Continue to manifer and maintain. Signs imported summer 200. Salessack repairs done in 2008. South allies of over around with hard in 2009.		
Prantitional Ball	0.000	West President Trian Teamship Soundary	14	3.89	4000	n	4	summer 2011. Enteranti repairs store in 2015. Sophalting store around setch basins in 2015.	360	51,01,769
Albert Street	0.00	North Strin Dead Strail	91	3.78	6000	м	4	Section is in good sendition. Signs improted summer 2015	380	SHI,KYAN
								summer 2004 Raudweise hie gestimmtitien. Greet den mithaus sidesaulis er soh andgatien. Centinus to manitus andmaintain. Upo.		
Annia Simen	0.188	Minut Presid St. So Charach St.	9.1	3.78	6000	м		Inspected summer 20% and explain feet was re-communication 2006 and explain	360	(LIII,ENLIE
Personal's Red	0.000	Labor Marine Wangston Marine	41	18	6000	п	4	processing to such trading in remind. Outside your applied in 2016. Outs sealing in remind. Outside sealing date in 2018 and 2019. Signs improved to the control of the	300	51,441,461.00
St. James St	0.000	Resource for two Coal City Sans	0.3	140	6000	п		East and starting to show fatigue as it resolves heavier, more frequent builts from subset boson. Continue to monitor and maintain.	300	(MI,GA.B)
Charak St	0.000	North Stite Campbell had Ma	10	48	DOMEST			Egra improved summer 2011. Some part improved or improved in the confidence of the	300	51,504,600.00
-			_	-						
Relays No.	0.4004	MIII Strict Transition Securitary	67	4.00	DOLLAT	*	4	Read was completely or combinated in 2004. Earthmin is in exaceller condition. Upon imported summer 2004. Outs seeing in 2018 and 2009. Sention of powersest replaced.	300	54,444,000
Aberdeen St	0.000	Serverial Statistics St	938	480	DOMEST	*	4	Newly constructed read in 2016. Signs inspected summer 2016	380	500,004.00
Alembers St	O#III	Resignan Da to Bernalda Sa	0.00	4.00	DOMEST		4	Newly constructed result in 2016. Signs inspected summer 2016.	300	\$120,786.60
Berwink St	0480	Alterations State Street Engl	62	4.00	DOMEST		4	Keely constructed read in 2016, Signs inspected surmor 2016	300	(361,30.8)
_	0.00	Wellington St to Dead Strat	0.1	-		_		Insperied summer 2006 Resultenessinated Summer 2006 Signs Insperied summer 2011. No sidewalls, such &	380	
Search Namey St			_	4.98	DOMEST		4	pau.		\$10,710.00
Creeducide Dr	0480	Assistant Nation Send End	9.1	48	DOMN		4	Section is in excellent sendition. Signs imported summer 2011.	360	534,0%.00
			_	-			-		_	

2022			Stirl	ing-Ra	wdon Gr	avel Road	Eval	uation	*Cost dos gravel laye est include	s include r and does dructures
Final Name	101	Condition	(km)	Balling (Dut of 1)	Read Condition	Road Condition N	Class	Commercis/Emprovements	Cate Date Inspected	Cost
Since Rel	0+3011	Bridge to Sales of Mil	11	245			4	undien needs in he dished in imprace shainage. It gravel layer is needed. Upon inspecied summer 2005.	300	\$104,70
Maybee Rd	ID # 2005	Pauley Rel to Medimen's Rel	63	3.45	ran		4	Brushing completed in 2017. Readments to be brought up in the gullys, and distring is needed in improve this unities. Added some book of properly above required. Spen.	300	524,000
Sarinburne Lane	0 4 2000	Secretaries Sales desailed	1.11	141	ran			Southern was appared in 200 with gravel laws, dishing readings disputs and new		507,000
							_	subserts. Signs inspected summer 2011.		
Tower Board	0 # 2064	Edward Street to Orași End	034	3.45	ran		4	layer, dishing readings signatural new subsets. Signs imposing summer 2011. Seed him seed condition. New houseast	300	SWEEK
Sarles Ni Sari	0+200	Mess Relia Jayur Rel	3.8	140	ran	4	4	layer added 2005. Some salveris replaced. Brooking stone and high shoulden-removed. Stars inspected Summer 2005.	300	5204,128
Wassilonsh Rd	0 4 2013	Siring Marson Rills Dead End	48	3.36	ran	67	4	beation needs minor dilating to improve duringer as well as two areas of mad digrests where the laser is soft. Sention is in need of a laser of proper! Sans improving supress 2011.	300	(23,644)
Colifie Rd	E # 2005	Labe Ratio Deput Drei	63	126	ran		4	Section remail the high shoulders removed, dishing and a ground layer. Signs imposted	300	514,279
Brown Street	0+2000	Water & Sewer only	LID.	121	ren			Dishing completed on XEE Signs improbed XXX	300	563,675
Santon Rel Worst	0 4 2049	Marchine March	24	13	ran	44		SEC. Seci. E. Word province has had solver in, some breaking and new greated top layer 2008.	300	EDLAG
	0.4206		_	3.60	ran			North-Seath sestion (set goard where maximal way done 2005. Serve inspected.		546,623
Callaghan Repido Na	0+3066	Allen Mills Road to Tiffee Road	1.07	3.60	ran	ш	_	improted 2001.	300	546,425
MoGee Nal East	0 # 2010	Moria Nd to Molecup Rd	15	425	0000		4	High shoulders removed in 2011 Section needs dishing and insolving. New gravel top layer 2008. Signs impeded summer 2021.	300	paper
Married Rd	G # 2056	Heart's Rd to WingSold Rd	41	425	0000			Figh shoulden, were removed throughout entire unition. Dishing required. New grand top layer-2006 and linsolving steen. Signs	300	5294,487
Squire Rd	0 4 2015	Maldanier Reins (pringbrook Rei	106	43	0000		4	The high characters need to be removed. Dishing and a growl layer is needed on the South/South section. Brooking was completed	300	50,614
				430				in 2016. Eigen inspected summer 2011. August NET colored serviced. Evolution. VETE Service Grovel layer was abled in 2015. Read section needs districts and the high shoulders.	_	
Temage	0+200	Bateman Nd to Goad Snd	0.6		200		_	removed. Minor broading needed. Signs inspected summer 2005. Count added to hills in 2006. Road needs.	200	\$10,338
Houser M	G # 2000	Niclean's Ratio Winglish Rd	68	430	0000		4	grand Lepte, dilabing and high shoulders need in he removed. Gravel layer done 2000. Signs. Impresied summer 2005.	300	\$124,129
Halling	ID # 2005	String Marriage Rel to Dead End	44	430	0000	**	4	completed in 2017. This sention of road has servered road learn insure, and poor distinger areas. Our for grant layer 2009. Grant layer	300	5217,006
Presi Bal	ID # 2016	Sirting Marriage Rel to Creed	10	4.2	0000			New years' top layer 2018, high-shouldering and broking done 2018. Sign reflectivity done	200	90,07
Sweet Rd	H						_	ACC. Read is in recording condition. High shoulders		
Suret Rd	G+3058	Jaywina Ratio Rylendone Na	55	4.3	000		4	grant layer was abled in 2006. Eges need to be replaced. Eges imperied summer 2005. Section of made result the high shoulders.	300	570,769
Boulder-Rd	0 4 2007	Skirding Marriana Rel to Cread End	62	435	0000		٠	removed. Mose distring and brooking in areas. New gracel top layer 2009 and unme high shouldering stone. Signs, improted formers 2009.	300	\$10,000
Hagemanitel	E # 2056	Salom Ral to Hell servine Ral	13	435	0000		4	High shoulders were removed and a layer of gravel was added in 2017. Section of road needs dishing. Gravel added 2019 in poor	300	94,76
National Park	0+2009	Allesia Maltar Cale Mal	3.8	410	0000		4	righ chariters were removed and a layer of gravel was ablied in 2017. Sertion of mad needs dishing. Jobbing pages 2019 from	300	5213,488
Janyasimal Rad	E # 2004	S. Mark's Ratio Secretified	14	435			4	Hagerman in Cale Rd. High shoulders, are made from the sound WH. Brooking, the high shoulders were removed and a layer of grown was added in 2006. Signs	_	534,0%
		S. Mark's Ratio Saverilla	14	435	000		,	Improted summer 2015. Gravel layer added in proteins in 2017.	300	534,496
Hamilettel	10 40017	Siring Marriers Rd to Beslett Rd	3.77	430	0000	10	4	Broking completed in 2000 from String: Marmore fid to Beslett fid. Disking resoled and installishings reflections. Signs imposted summer 2005. September 2001 new gravel	300	SMIE
Nembelle	10 4004	Section Studies WingSold Rd	166	430	0000	10	4	Broking completed in 2000 from String: Mamous Rd to Besiets Rd. Distring rended and installishing refinations. Signs imposted	300	\$134,08
								Grant law added in 2006 Dishina and		
Classic Rd	0 # 2011	Half Ratio St. Mark's Rat	13	4.1	0000	10	4	brooking will improve this read-audien. Grevel layer-shore 2020. Signs improded summer 2020.	300	503,400
Green Rd	0 # 2054	Sixting Silamena Rd to Minio	33	41	0000	10	4	High-shoulders removed in 200/28 Disblory needs to be completed to improve the road	300	610.7m
						_	_	have and several drainage. It new growth top larger 2008. Signs imposted summer 2003. High shoulders removative 2007. Growth larger needs to be added and distribute to record in		
Courte Rel	0 # 2012	Eng. Mil Mits Barrell M	1.5	4.0%	0000		٠	some area. Added some gravel where required 2018. Signs improduce some 2018. Dishing and remove the Nath Shoulden's	300	510,005
Sale N	E # 2015	House's Ratio Surveil Rd	13	445	0000		٠	needed firmuph entire section. Grand layer is needed in the new future. Signs impended summer XXX. Explanator XXX New Grand	300	567,346
Partin Rel	0 # 2013	Hearth Ratio Servet Rd	13	3.85	0000	29		High shoulden-need to be removed. Enabling in-needed at the North-and of the road. Eight improved surveys 2023. September 2020/Sery	300	565,546
Kings Mill Na Seet	0 4 2005	Welman's Ratio String Stemon Rd	20	3.85		_		Grand byer installed. Snobing and disbing is needed throughout to	300	576,075
	Н	Moreova Nd	_			-	_	2011 Added gover layer 2010. Section of road that required dishing		
Long-sen-fid East	G+3055	Greenito And ton Dermit Ered	99	3.60	0000	ж	4	semanti. New pranti layer 2015. Egyn. Inspected summer 2015.	300	544,007
Spry Rel	0+2013	Stirling Shomana Mi to Storms Mr	5.6	1.0	0000	ж	4	monored and new grows' top layer added 2016 Dishing needs to be completed to assist drainage. Signal reported Summer 2015.	300	5304,465
Kings MET No West	ED # 2025	Webnar's Britis Wagheld St	34	1.0	0000	ж	4	High shoulders removed and dishing needed throughout entire unders. Braining is needed on the East and of section. Signs improted assessment VIII. Middle sections VIII.	300	907,007
Barris M Nesi	0+2005	Nedman's Ratio Winglish a Ra	34	3.60	0000		4	Keesh broading and dishing throughout entire section. Culturels need to be munitized.	300	5111,146
	H						H	layer 2003. Soul is in exercises soulition. The high		
Jayue Mil	10 40021	Cooler Rd to Salem Rd	23	3.85	0000	77	4	shoulders were removed in 2004 and a laper of grand was added in 2017. Signs impended summer 2011.	300	579,223
Marrison Rd	0 ± 2058	Birling Manuschillia Ramony in	37	3.85	0000	77	4	and half the mad cleaned and grubbed (Figure) in 2006. Signs imperied sammer 2006. Onth base added in the Flats and high	300	\$10,139
Revets hi East	ID # 2000	Mount Forward folio Mediments fol	28	3.80	0000	26	4	shoulders removed in 2017. Dishing and solveris need to be improved in assist drainage. Signs improved summer 2011. Added yeard Sarry 2013.	300	
Sedhedild	E # 2006	Found's Rel to Cornel Rel	11	1.6	6000	26	4	High shoulders to be removed in some areas. Eigns improted summer 2001.		98,211
Pauley Rd	0 # 2015								300	\$10,007
		Nethnari Mila Dead Ind	18	14	0000	26		Broking completed in 2017 and gravel layer abilied to the gully. Gravel layer, dishing and high shoulders need to be removed. Eight		
		Wellman's Ratio Dead End		1.8	6000	36	_	Brobbing completed in 2017 and gravel layer added in the gollys, Gravel layer, dishring and high should drive need in the removed. Eigen- imposted summer 2016, Gravel added in some half units summer 2016. Gravel layer added and the high shoulders were removed in 2015, Dishring is, smalled in	200	510,000
Pyun fid	0+2007	Nivîmari î îdin Dead înd Hallosniew îd in Singulor îd	15		0000	26		Snahing completes in 2021 and gazed layer alleful to the pulpy. Grand layer, dishing and high shoulders need in he convend. Sign imported summer 2020, 40 and shifed in some half unit, someya 2020. The shifed layer added and he high shoulders were removed to 2020. Dishing its resided is improve during the Spatian summer 2020.	200	\$16,967
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