

Corporation of the Township of Strong

2013 Asset Management Plan For Roads and Bridges

Prepared by:

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Project Number:

60288798

Date:

December, 2013

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705 645 5992 tel 705 645 1841 fax

December 23, 2013

Ms. Linda Maurer, Township of Strong P. O. Box 1120 1713 Highway 11 South SUNDRIDGE, Ontario. P0A 1Z0

Dear Ms. Maurer:

Project No:

60288798

Regarding:

2013 Asset Management Plan

For Roads and Bridges

We are pleased to provide herein an Asset Management Plan for Roads, Bridges and Large Culverts, covering the 10 year period from 2014 through 2023.

The plan has been developed in a format documented in the Ministry of Infrastructure "Guide for Municipal Asset Management Plans".

We thank you for your input into the plan and trust it will assist the Township of Strong in maintaining their assets at an acceptable level and at a reasonable cost.

Sincerely,

AECOM Canada Ltd.

G. A. Crosby Project Manager

gord.crosby@aecom.com

GAC:wh Encl.

Distribution List

# of Hard Copies	PDF Required	Association / Company Name						
8	1	Township of Strong						

Revision Log

Revision #	Revised By	Date	Issue / Revision Description						

AECOM Signatures

Report Prepared By:

G. A. Crosby, Project Manager

Executive Summary

The Asset Management Plan presented in this document is for roads and bridges. The Township of Strong currently maintains the following related assets:

Municipal Roads

144.9 km

2. Municipal Bridges

8 Each

A comprehensive inventory of the Township's bridges was carried out in 2012. A comprehensive inventory of the Township's roads was carried out in 2013. Summaries of the inspections describes the current condition rating of the assets using industry accepted methods. Also included is the estimated cost to correct any deficiencies noted in the system during physical inspections.

The value of current identified needs for the assets is as follows:

Identified Road Needs
 Identified Bridge Needs
 Total Value of Current Needs

\$4,486,660.00

313,500.00

\$4,800,160.00

The Township currently budgets approximately \$1,000,000.00 per year for road and bridge expenditures. Of this total, approximately \$700,000.00 is spent on maintenance activities and \$300,000.00 for renewal and rehabilitation activities. Renewal and rehabilitation projects are those activities directly related to maintaining the condition of assets.

In order to address needs it is necessary to establish acceptable levels of service for the system. The Municipality is comfortable with the present day levels of service being offered which are tied directly to affordability under the existing municipal tax base. Roads and structures are maintained in a safe, user friendly condition with a minimum of complaints from the motoring public.

The plan has developed a list of measurable strategies that may be applied to measure progress. The main strategy is to make appropriate expenditures at the appropriate times to preserve assets, extend their life and reduce future costs. This strategy can be realized through continued monitoring to determine where changes need to be made to accomplish the goals of the plan.

The Township has a limited tax base and many competing demands from that base. Council strives to deliver services keeping the tax base at a comfortable level for its inhabitants. The ten (10) year management plan contained in this document is designed to make the best use of current expenditures. The plan has built in an annual inflation rate of 2%. By strategically spending funds where it will produce the best results, condition of the road and structure systems will improve over the 10 year period of the plan.

The Provincial and Federal governments have provided extensive assistance to local municipalities over the past decade. It is hoped that this assistance will continue as it is the sole source of funding for small municipalities to address major infrastructure needs.

This document has been made possible with the support of the Ontario Ministry of Agriculture, Food and Rural Affairs. The views expressed in this report are the views of the Township of Strong and do not necessarily reflect the views of the Ontario Ministry of Agriculture, Food and Rural Affairs.

The Township of Strong intends to monitor activities on an on-going basis to determine the best use of its spending to maintain and improve their assets.

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1. Introduction

Asset management planning is the process of making the best possible decisions regarding the building, operating, maintaining, renewing, replacing and disposing of infrastructure assets. The objective is to maximize benefits, manage risk, and provide satisfactory levels of service to the public in a sustainable manner. Asset management requires a thorough understanding of the characteristics and condition of infrastructure assets, as well as the service levels expected from them. It also involves setting strategic priorities to optimize decision-making about when and how to proceed with investments. It requires the development of a financial plan, which is the most critical step in putting the plan into action.

Because it takes a long-term perspective, good asset management can maximize the benefits provided by infrastructure. It also affords the opportunity to achieve cost savings by spotting deterioration early on and taking action to rehabilitate or review the asset. Good asset management results in informed and strategically sound decisions that optimize investments, better manage risk – including the risk of infrastructure failure.

Strong Township is located in the Parry Sound District. The Township surrounds but does not include the Village of Sundridge. The Township had a population of 1,341 in the Canada 2011 Census. The Township surrounds Lake Bernard, which is claimed to be the world's largest freshwater lake without an island. The lake is the most important asset. It attracts people in all seasons for swimming, fishing, sailing, canoeing, skating and many other sports. It provides photographers and artists with endless hours of recreation.

The assets included in this plan are Roads and Bridges. Roads and their associated bridges are often seen as a reflection of the municipality. Improving the condition of roads, especially in those areas where the Township is intending on attracting investment, is important to the success of economic development activities being undertaken by the Township.

The Asset Management Plan covers a period of 10 years from 2014 to 2023. Using the spread sheets and documents contained herein, the information may be updated as improvements and changes are made. An over-all update of the plan will be initiated on a four (4) year basis coinciding with the Term of Council.

The plan was developed from current information as follows:

- 1. A Road Needs Update completed in 2013 by AECOM Canada Limited.
- 2. A Biennial Municipal Structure Inventory completed by D. M. Wills Associates Limited in 2012.

The plan was assembled by AECOM Canada Limited with input from the Roads Superintendent and Clerk/Treasurer. It was created within the guidelines of the Ministry of Infrastructure – Building Together: Guide for Municipal Asset Management Plans.

As the process outlined herein evolves, and staff becomes aware of the value of the plan, newer and better means of preserving assets will be adopted and incorporated into future planning.

2. State of Local Infrastructure

2.1 Roads

The Township of Strong maintains 144.9 km of local public roads as follows:

(a)	Hot Mix Paved Roads	7.5 km
(b)	Surface Treated Roads	32.5 km
(c)	Loose Top Roads (Gravel Surface)	<u>104.9</u> km
	Total:	144.9 km

The Township carried out a Road Needs Study in 2013 to determine the current condition of their road system. The roads were evaluated using the procedures outlined in the Methods and Inventory Manual for Road Management Plans for Small, Lower Tier Municipalities which was produced by the Ministry of Transportation in 1987. This manual was designed as a simple way to assess roads and develop long range planning for rehabilitation and reconstruction.

A visual inspection of all of the roads was carried out and focussed on the following attributes:

- Drainage
- Structural Adequacy
- Surface Type
- Surface Condition
- Widths
- · Perceived Needs.

Bench Mark costs were established for various types of improvements identified based on current 2013 unit rates as follows:

٠	Ditching	\$10,000.00 per km
•	Pulverizing	\$6,000.00 per km
•	Granular A resurfacing	*\$7,000.00 to \$28,000.00 per km
•	Double Surface Treatment	\$40,000.00 per km
•	Single Surface Treatment	\$20,000.00 per km

^{*} Depending on width and depth

The unit costs were applied to each road section to determine the 2013 value of needs identified.

A summary of the entire road system and current value of needs is included in Appendix A. The value of needs identified in the study over the next ten years is \$4,486,660.00.

The road system is considered to be in fair to good condition.

2.2 Bridges

An inventory and structural review of the Township's bridges was carried out in 2012. The Township maintains eight (8) bridge structures.

Generally, the Township bridges are in good condition. The following is a summary of the bridges:

- Bridge No. 5 on Muskoka Road is scheduled for replacement in 2014 under Municipal Infrastructure Investment Initiative Funding
- Bridge No. 3 on Brookside road has a load restriction of 20 tonnes
- For the remainder of the structures, some maintenance needs are identified such as:
 - Concrete repairs
 - Crack repairs
 - · Crack repairs in wingwalls
 - · Guiderail maintenance
 - Railing improvements
 - Timber deck replacement, Bridge 6, Sterling Creek.

A summary of the Bridge needs and the proposed ten (10) year management plan is included in Appendix B. The value of bridge needs identified is \$313,500.00.

3. Desired Levels of Service

Roadways in the Township of Strong are in fair condition. There is an accumulated backlog of work to bring the roads to an improved condition. The system is performing satisfactorily in its present condition, however, with a minimum of complaints from the motoring public.

An effort is being made to address current needs and upgrade the system in a cost efficient manner under present day funding levels. The resultant goals are:

- Roads Provide an efficient, cost effective, safe, accessible transportation network that is capable of serving the local community and visitors.
- Bridges Provide a reliable, efficient, safe and environmentally responsible system with economic efficiency.

External trends that may affect the expected levels of service are:

- Natural phenomena such as extreme weather events or other emergencies.
- A sudden increase in development putting higher demands on adjacent areas of the roadways.

Up to the present time there have been no measurable targets or time frames to achieve goals. For the most part, targets were measured by the number of public complaints received and the need to control tax levels in the community.

The process used in determining the existing condition of road assets has a built-in rating system to measure performance. It is very simple and rates the roads according to various attributes on a scale of 1 to 10. An average rating of 5 or lower indicates a system in need of upgrading. An average rating above 5 indicates a reasonably good road system. The calculated rating for the over-all condition of the road network at the beginning of this Plan is 5.8 indicating that existing levels of service are producing favourable results.

The ten year management program included in this document is intended to:

- Direct expenditures at appropriate times to preserve infrastructure
- As a minimum, maintain infrastructure in its present condition

- As a maximum, improve the condition of infrastructure over the 10 year period
- Provide measurable targets to monitor the effectiveness of the proposed program
- Provide sufficient information to allow staff and council to make changes to the plan for the better management
 of their assets.

4. Asset Management Strategy

The purpose of the asset management strategy is to provide an acceptable level of service in a sustainable way while managing risk.

4.1 Existing Strategies

At the present time the roads and bridges are maintained under the following strategies:

- Minimum Maintenance Standards are applied to the road system in accordance with Ontario Regulation 239/02
- Bridges are inspected every two years by a professional engineer as required under Ontario Legislation
- Major road needs updates have been conducted on a five year cycle
- Special needs are addressed at the time of occurrence
- Special funding opportunities are taken advantage of when they are available.

Structure and road studies provide a basis for prioritizing work needed. For the most part, improvements are based on the availability of funding through a reasonable property tax assessment.

4.2 Planned Strategies

4.2.1 Maintenance Strategy

Maintenance items, such as snow plowing, sanding, grading, etc., are moving targets and are dependent on many factors such as the weather. These items will continue to be addressed as they are needed and make up a high percentage of the over-all roads budget. These maintenance items make the roads safer and comfortable for the travelling public but do not contribute significantly to the maintenance or improvement in condition ratings. Standard maintenance activities will be carried out as follows:

- The Municipality will continue to provide maintenance services on a required basis to keep the roads safe
- They will continue to follow and exceed the Minimum Maintenance Standards as legislated in Ontario Regulation 239/02
- Bridge structures will continue to be inspected by a professional engineer on a biennial basis.

4.2.2 Management Strategy

The ten (10) year management plans contained herein are intended to maintain or improve the condition of assets by making appropriate expenditures at the appropriate times to preserve them and reduce future costs. A modest increase in traditional spending is reflected in the attached plan. The following is a summary of actions that will enhance the plan.

• Preserve/restore road surfaces with overlays to eliminate deficiencies and the need for future costly repairs and reconstruction. As hard top roads age they deteriorate with break-up, cracking, patching, wheel rutting, loss of

cross section, etc. Application of overlays at the appropriate time will alleviate the deterioration and extend the life of the road.

- Apply a single surface treatment to hard topped roads on a seven (7) year cycle.
- Resurface gravel roads on a five (5) year cycle.
- · Monitor activities to determine when changes to the plan are required.
- Update information on an annual basis.
- Conduct a major review and update the plan on a four (4) year cycle, coinciding with the Term of Council.
- Return some hard top roads to gravel surfaces. In the past, gravel roads received a hard top surface in an effort
 to reduce the amount of equipment (graders) to maintain them and to reduce dust nuisance costs. The cost to
 maintain hard top roads, however, has become a financial burden. In some areas, lower volume roads are
 being turned back to gravel surfaces so a smoother, more user friendly service can be provided.
- Take advantage of funding opportunities from other levels of governments.
- Take advantage of funding opportunities from the private sector where there is an opportunity through development.
- Procurement of services through a competitive bid process to lower costs. Township By-Law 2011-17 is in place to dictate procurement policies and is included in Appendix E.

The risk of poor management is a deteriorating road system and in some cases failure. These risks can be mitigated by:

- · Carrying out meaningful repairs at the appropriate times.
- Application of load restrictions.

Planned activities will achieve the following:

- Lower costs
- · Extend the life of assets
- · Apply renewal options at the appropriate times
- · Schedule replacement activities.

It is not anticipated that the road system will require expansion in the foreseeable future,

5. Financing Strategy

The yearly expenditure for roads and bridges is approximately \$1,000,000.00 broken down as follows:

Maintenance Activities
 Renewal/Rehabilitation Activities
 Total
 700,000.00
 300,000.00
 \$1,000,000.00

A road needs study carried out in 2013 identified the value of current road needs at \$4,486,660.00.

A study of the bridges carried out in 2012, identified needs at a value of \$313,500.00.

The total needs for roads and bridges at the beginning of the plan is therefore \$4,800,160.00.

The following revenue sources form the basis for road and bridge expenditures

General Taxes

\$ 900,000.00

2. Gas Tax

\$ 100,000.00

Total

\$1,000,000.00

The gas tax is not always allotted to road related expenditures. When it is not, 100% of the roads funding comes from general taxation.

A considerable backlog of needs has accumulated over the years. It is obvious that an increase in the budget is necessary to address the needs and maintain the road system in good repair.

The Township has a limited tax base and a multitude of demands from that base. It is felt that the current base is at a reasonable level for taxpayers and there is a hesitancy to raise taxes any higher. The present level of service for roads and bridges is considered adequate by Council. The system is in reasonably good condition with a minimum of complaints from the motoring public. Borrowing to address the accumulated needs is not financially feasible for the Township. Borrowing is a further burden on the taxpayers and is only contemplated when there is an emergency or when partnering is available from other levels of government to address major rehabilitation projects.

A ten (10) year management plan has been developed for roads and bridges and is included in Appendix C. The plan focuses on renewal/rehabilitation strategies as the direct link to maintaining asset conditions at an acceptable level. The plan has been produced with modest increase in budget and a yearly inflation rate of 2%. The plan is based on more documented renewal strategies than in the past. It is anticipated that the strategies employed in developing the plan will result in timely funding to preserve assets and improve their condition.

Tables and summaries provided in this document have been produced in a user friendly program which may be easily updated by municipal staff as work and changes are made. Annual monitoring of the plan will take place providing valuable information on its adequacy and the changes necessary to make it more effective in the future.

Plan adopted by Counc	il
Mayor	
Clerk-Administrator	

APPENDIX A

Overall Summary of the Road System and Current Needs

inners		w									
SECTION NO	ROAD NAME	FROM	то	RM, LENGTH	TRATEIC:	CONDITION = RATING	SURFACE	ESTIMATED COST (\$)	idemarks:	SECTION NO.	PRIORITY
0010	Strong/Machar Boundary Rd.	Cheer Lake Road	Park Road Sourth	1.63	200-399	7	LCB	\$32,600.00	SST - 1-5 YR.	0010	
0020	Strong/Machar Boundary Rd.	Park Road South	Uplands Road	3.72	200-399	5	LCB	\$275,280.00	Pulverize, 150mm Granular A, DST	0020	
0100	Strong/Joly Boundary Rd.	Peacock Road	175m North of Forest Lake Road	1.86	200-399	5	G/S	\$26,040.00	75mm Granular A	0100	
0105	Strong/Joly Boundary Rd.	Forest Lake Road	175m North of Forest Lake Road	0.18	200-399	6	LCB	\$3,600.00	SST - 1-5 YR.	0105	
0110	Peacock Road	Strong/Joly Boundary Rd.	Highway 124	0.62	200-399	5	G/S	\$11,780.00	100mm Granular A	0110	İ
0120	Brooks Lane	Peacock Road	South End	0.89	0-49	8	G/S	\$12,400.00	Granular Resurf 2012; 75mm Granular A	0120	1
0130	Forest Lake Road	Strong/Joly Boundary Rd.	Inlet Creek Road	0.99	400-999	4	LCB	\$83,160.00	Ditching, Pulverize, 150mm Granular A, DST	0130	
0140	Forest Lake Road	Inlet Creek Road	Lakeshore Drive	1.29	400-999	3	LCB	\$108,360.00	Ditching, Pulverize, 150mm Granular A, DST	0140	
0150	Lakeshore Drive	Forest Lake Road	0.31 km South of Forest Lake Road	0.31	400-999	8	HCB	\$30,000.00		0150	
0160	Lakeshore Drive	0.31 km South of Forest Lake Road	Pevensey Road	1.12	400-999	8	LCB	\$22,400.00	SST - 2013	0160	
0170	Pevensey Road	Sunny Beach Road	Inlet Creek Road	0.66	200-399	4	LCB	\$39,600.00	Pulverize, 75mm Granular A, DST	0170	
0190	Old Ranch Road	Pevensey Road	Strong/Joly Boundary Rd.	0.86	0-49	3	G/S	\$7,740.00	Summer Only 75mm Granular A	0190	
0200	Inlet Creek Road	Pevensey Road	Forest Lake Road	1.66	50-199	8	G/S	\$23,240.00	75mm Granular A - 6-10 YR.	0200	,
0210	Sterling Creek Road	North Hom Lake Road	West End	0.10	0-49	5	G/S	\$1,250.00	75mm Granular A	0210	
0220	Pevensey Road	Highway No. 11	Muskoka Roađ	1.18	50-199	5	G/S	\$0.00	MTO to Reconstruct at no Cost to Township	0220	
0230	Pevensey Road	Muskoka Road	2.8 km East	2.80	50-199	5	G/S	\$63,000.00	Ditching, 75mm Granular A	0230	
0240	Muskoka Road	Pevensey Road	South Lake Bernard Road	1.18	200-399	6	G/S	\$0.00	MTO to Reconstruct at no Cost to Township	0240	
0250	South Lake Bernard Road	Highway No. 11	Muskoka Road	0.10	0-49	4	LCB	\$2,080.00	Pulverize, 100mm Granular A	0250	
0260	North Horn Lake Road	Highway No. 11	Rodeo Road	1.20	200-399	8	G/S	\$16,800.00	75mm Granular A - 6-10 YR.	0260	
0270	Rođeo Road	South Horn Lake Road	North Horn Lake Road	1,53	200-399	. 5	G/S	\$36,720.00	Ditching, 75mm Granular A	0270	
0280	South Horn Lake Road	Magnetawan Boundary	Rodeo Road	1.16	50-199	6	G/S	\$16,240.00	75mm Granular A	0280	
0290	South Hom Lake Road	Rodeo Road	Armour Boundary	0.21	50-199	6	G/S	\$2,940.00	75mm Granular A	0290	
0300	Rodeo Road	North Horn Lake Road	North Horn Lake Road	0.86	50-199	6	G/S	\$12,040.00	75mm Granular A	0300	
0310	North Horn Lake Road	Rodeo Road	Magnetawan Boundary	1.64	50-199	5	G/S	\$39,360.00	Ditching, 75mm Granular A	0310	
0320	Rodeo Road	North Horn Lake Road	Black Creek Road	2.06	50-199	5	G/S	\$39,140.00	100mm Granular A	0320	
0330	Black Creek Road	Rodeo Road	West End	0.50	0-49	5	G/S	\$11,250.00	Ditching, 75mm Granular A	0330	
0340	Black Creek Road	Rođeo Road	Highway No. 11	1.00	50-199	10	НСВ	\$0.00		0340	
0350	Rodeo Road	Black Creek Road	Brookside Road	2.37	50-199	4	G/S	\$68,730.00	Ditching, 100mm Granular A	0350	
0360	Brookside Road	Rođeo Road	Chapman Boundary	2.03	50-199	5	G/S	\$38,570.00	100mm Granular A	0360	

HH.	NE	20	13

					JUNE 2	010					
SECTION NO	. ROAD NAME	FROM	то	KM: LENGTH	TRAFFIC	CONDITION RATING	SURFACE	ESTIMATED = COST (\$)	-REMARKS	SECTION NO.	PRIORITY
0370	Strong/Chapman Road	Brookside Road	South End	1.06	50-199	5	G/S	\$14,840.00	100mm Granular A	0370	
0380	Strong/Chapman Road	Brookside Road	Bloomfield Road	2.01	50-199	3	G/S	\$70,350.00	Ditching, 150mm Granular A	0380	
0390	Bloomfield Road	Highway 124	Chapman Boundary	1.73	50-199	5	G/S	\$45,845.00	Ditching, 100mm Granular A	0390	
0400	Rodeo Road	Brookside Road	Highway 124	2.05	50-199	5	G/S	\$54,325.00	Ditching, 100mm Granular A	0400	
0410	Brookside Road	Rodeo Road	O'Brien Road	2.00	50-199	7	G/S	\$28,000.00	75mm Granular A	0410	
0420	O'Brien Road	Brookside Road	Highway 124	2.05	50-199	5	G/S	\$28,700.00	100mm Granular A	0420	
0430	Cottralls Road	Highway 124	Adams Road	1.55	50-199	9	G/S	\$21,700.00	75mm Granular A - 6-10 YR.	0430	
0440	Adams Road	Cottralls Road	Homibrook Road	0.81	50-199	5	G/S	\$23,490.00	Ditching, 100mm Granular A	0440	
0450	Adams Road	Hornibrook Road	1.90 km West	1.90	0-49	5	G/S	\$55,100.00	Ditching, 100mm Granular A	0450	
0470	Hornibrook Road	Adams Road	Parkes Lane	2.03	50-199	4	G/S	\$56,840.00	150mm Granular A	0470	
0480	Parkes Lane	Hornibrook Road	West End	3.05	50-199	8	G/S	\$42,700.00	Gravel Resurf 2012	0480	
0490	Hornibrook Road	Parkes Lane	Machar Boundary	2.05	200-399	2	LCB	\$151,700.00	Pulverize, 150mm Granular A, DST	0490	
0500	Cheer Lake Road	Machar Boundary	South End	2.25	50-199	7	G/S	\$28,125.00	75mm Granular A	0500	<u> </u>
0505	Redmonds Road	Machar Boundary	0.38 km West	0.38	0-49	3	G/S	\$6,460.00	Ditching, 75mm Granular A	0505	
0510	Uplands Road	Machar Boundary	Parkes Lane	2.29	0-49	1	G/S	\$32,060.00	Summer Maint.; 75mm Granular A	0510	
0520	Hill Valley Road	Hornibrook Road	Uplands Road	1.65	50-199	3	LCB	\$122,100.00	Pulverize, 150mm Granular A, DST	0520	
0530	Hill Valley Road	Uplands Road	Albert Street North	2.22	50-199	4	LCB	\$164,280.00	Pulverize, 150mm Granular A, DST	0530	
0535	Hill Valley Road	Albert Street North	Albert Street South	0,20	50-199	10	нсв	\$0.00	The Stranger Strategies	0535	
0540	Pine Lane	Hill Valley Road	South End	0.69	0-49	6	G/S	\$7,245.00	75mm Granular A	0540	
0545	Albert Street	Hill Valley Road	0.40 km North	0.40	50-199	10	HCB	\$0.00		0545	
0550	Albert Street	0.40 km North of Hill Valley Road	Machar Boundary	1.52	50-199	8	GST	\$19,000.00	Gravel Resurf 2012	0550	
0555	Mountain View Drive	Tower Road	Highway 124	2.30	400-999	10	HCB	\$0.00		0555	
0560	Tower Road	Machar Boundary	0.40 km South	0.40	200-399	10	нсв	\$0.00		0560	
0565	Tower Road	0.40 km South of Machar Boundary	Hill Valley Road	1.50	200-399	8	G/S	\$21,000.00	Gravel Resurf 2012	0565	
0570	Tower Road	Hill Valley Road	High Street	2.08	200-399	8	G/S	\$29,120.00	Gravel Resurf 2012	0570	
0580	High Street	Tower Road	Highway 124	0.39	50-199	9	G/S	\$4,095.00	Gravel Resurf 2012	0580	
0590	Stick and Stone Lane	High Street	North End	0.14	0-49	9	G/S	\$1,470.00	Gravel Resurf 2012	0590	
. 0600	Basso Road	Railway Tracks	East End	1.26	50-199	6	G/S	\$30,240.00	Ditching, 100mm Granular A	0600	
0610	Ronald Street	Cheryl Crescent	Basso Road	0.54	50-199	9	G/S	\$7,560.00	75mm Granular A - 6-10 YR.	0610	

1000000	11	1		,							
SECTION NO.	ROAD NAME:	FROM	то	KM, LENGTH	TRAFFIC: RANGE	CONDITION: RATING	SURFACE	ESTIMATED COST (\$)	REMARKS	SECTION. NO.	PRIORITY
0620	Cheryl Crescent	Forest Lake Road	Forest Lake Road	0.56	50-199	9	G/S	\$7,840.00	Gravel Resurf 2012	0620	
0630	Bernard Crescent	Forest Lake Road	Lakeshore Drive	0.68	50-199	8	G/S	\$8,500.00	Gravel Resurf 2012	0630	
0640	Evergreen Lane	Bernard Crescent	East End	0.09	50-199	8	G/S	\$1,125.00	Gravel Resurf, - 2012	0640	
0660	Bucko McDonald Drive	Forest Lake Road	South-East End	0.39	50-199	8	G/S	\$3,510.00	Gravel Resurf 2012	0660	
0680	Maylon Drive	Forest Lake Road	South End	0.60	50-199	8	G/S	\$6,300.00	Gravel Resurf 2012	0680	
0690	Forest Lake Road	Union Street	Lakeshore Drive	0.84	1000+	7	G/S	\$23,590.00	150mm Granular A	0690	
0700	Union Street	Forest Lake Road	Highway 124	0.80	1000 +	7	HCB	\$39,000.00	Pulverize, 50mm HCB - 6-10 YR.	0700	
0710	Lakeshore Drive	Pevensey Road	0.17 km West	0.17	200-399	4	LCB	\$12,580.00	Pulverize, 150mm Granular A, DST	0710	
0720	Sunny Birch Road	Lakeshore Drive	0.15 km West	0.15	50-199	4	G/S	\$3,600.00	Ditching, 75mm Granular A.	0720	
0730	Lakeshore Drive	0.17 km West of Pevensey Road	South Lake Bernard Road	0.62	200-399	8	LCB	\$12,400.00	SST - 1-5 YR.	0730	
0740	Lakeshore Drive	South Lake Bernard Road	Elizabeth Street	0.40	200-399	5	LCB	\$8,000.00	SST	0740	
0750	South Lake Bernard Road	Lakeshore Drive	Gilchrist Trail	2.93	50-199	6	G/S	\$77,645.00	Ditching, 100mm Granular A	0750	
0760	Gilchrist Trail	South Lake Bernard Road	Tee Intersection	0.74	0-49	4	LCB	\$18,500.00	Pulverize, 100mm Granular A	0760	
0770	Gilchrist Trail	South End	North End	0.54	0-49	4	LCB	\$13,500.00	Pulverize, 100mm Granular A	0770	
0780	South Lake Bernard Road	Gilchrist Trail	Flannigan Trail	1.83	50-199	7	G/S 、	\$25,620.00	75mm Granular A	0780	
0790	South Lake Bernard Road	Flannigan Trail	Pipes o Pan Lane	3.21	50-199	7	G/S	\$44,940.00	75mm Granular A	0790	
0800	South Lake Bernard Road	Pipes o Pan Lane	Crescent Road	1.09	200-399	9	LCB	\$21,000.00	SST - 2013	.0800	
0820	South Lake Bernard Road	Crescent Road	High Rock Drive	0.46	200-399	9	LCB	\$9,200.00	SST - 2013	0820	
0830	South Lake Bernard Road	High Rock Drive	Muskoka Road	1.53	400-999	4	LCB	\$113,220.00	Pulverize, 150mm Granular A, DST	0830	
0840	Crescent Road	South Lake Bernard Road	West End	0.41	50-199	6	G/S	\$8,405.00	Ditching, 75mm Granular A	0840	
0850	High Rock Drive	South Lake Bernard Road	Birch Lane	1.69	400-999	2	LCB	\$58,160.00	Pulverize, 150mm Granular A	0850	
0870	Crescent Road	High Rock Drive	East End	0.18	0-49	6	G/S	\$3,690.00	Ditching, 75mm Granular A	0870	
0880	Birch Lane	High Rock Drive	The Point Trail	0.33	50-199	6	G/S	\$7,920.00	Ditching, 75mm Granular A	0880	
0890	Aspen Lane	Birch Lane	South End	0.21	0-49	6	G/S	\$4,305,00	Ditching, 75mm Granular A	0890	
0900	Birch Lane	Aspen Lane	West End	0.72	50-199	5	G/S	\$7,560.00	75mm Granular A	0900	
0910	The Point Trail	Birch Lane	West End	0.12	0-49	5	G/S	\$1,260.00	75mm Granular A	0910	
0920	High Rock Drive	Birch Lane	Bridge	0.90	400-999	6	LCB	\$58,500.00	Pulverize, 100mm Granular A, DST - 1-5 YR.	0920	
0940	High Rock Drive	Bridge	Turtle Rock Lane	2.30	400-999	8	G/S	\$0.00		0940	
0950	Turtle Rock Lane	High Rock Drive	East End	0.32	0-49	7	G/S	\$3,360.00	75mm Granular A - 1-5 YR.	0950	

SECTION NO.	ROAD NAME	FROM	To 15	KM, LENGTH	TRAFFIC	CONDITION	SURFACE	ESTIMATED	REMARKS	SECTION	PRIORITY
0960	High Rock Drive	Turtle Rock Lane	Layalomi Drive	0.89	RANGE 400-999	RATING 10	G/S	GOST (\$) \$12,460.00	75mm Granular A - 6-10 YR.	NO. 0960	
0970	Layalomi Drive	High Rock Drive	South End	0.26	0-49	5	G/S	\$2,800.00	75mm Granular A	0970	
0980	High Rock Drive	Layalomi Drive	Albert Street	1.96	400-999	10	G/S	\$27,440.00	75mm Granular A - 6-10 YR.	0980	
0990	Albert Street	High Rock Drive	200m South of Sunset Drive	0.49	400-999	4	LCB	\$16,600.00	Pulverize, 150mm Granular A	0990	
1000	Albert Street	200m South of Sunset Drive	Sunset Drive	0.20	400-999	5	HCB	\$14,800.00	Pulverize, 150mm Granular A, DST	1000	
1040	Muskoka Road	South Lake Bernard Road	South Lake Bernard Road	0.91	400-999	2	LCB	\$67,340.00	Pulverize, 150mm Granular A, DST	1040	
1050	School House Lane	Muskoka Road	West End	0.19	0-49	3	G/S	\$3,610.00	Ditching, 75mm Granular A		
1060	Muskoka Road	South Lake Bernard Road	Robins Road	1.77	50-199	3	G/S	\$0.00	Dicining, / Jinin Ciannai A	1050	
1070	Robins Road	Highway No. 11	Muskoka Road	1.42	0-49	3	G/S	\$0.00	Disables 75 Completed	1060	
1080	Muskoka Road	Robins Road	Valley View Road	2,58	50-199	5	G/S		Ditching, 75mm Granular A	1070	
	Valley View Road	Muskoka Road	Highway No. 11	0.72	50-199	8		\$900,000.00	Reconstruction, Including the Bridge - 2014	1080	
1100	McLatens Lane	Muskoka Road	East End	0.72	0-49	7	G/S	\$0.00	MTO to Reconstruct at no Cost to Township	1090	
1110	Muskoka Road	Valley View Road					G/S	\$0.00	2011 - 65 - 6 - 1 - 1	1100	
1120	Maple Sugar Lane		Highway 124	1.14	50-199	7	G/S	\$27,360.00	Ditching, 75mm Granular A	1110	
		Highway 124	North End	0.12	50-199	7	G/S	\$2,700.00	Ditching, 75mm Granular A	1120	
	Sunny Ridge Road	Highway 124	High Rock Drive	1.50	400-999	4	LCB	\$37,000.00	150mm Granular A	1130	
	Golf Lane	Sunny Ridge Road	South End	0.18	50-199	7	LCB		SST - 1-5 YR.	1140	
1150	Buck Haven Road	Sunny Ridge Road	Municipal Lane	0.41	200-399	5	LCB	-	Pulverize, 150num Granular A	1150	
1160	Municipal Lane	Buck Haven Road	East End	0.14	50-199	3	LCB	\$9,940.00	Pulverize, 150mm Granular A, DST	1160	
	Sunset Drive	Highway 124	Albert Street	0.39	50-199	8	LCB	\$7,800.00	SST - 1-5 YR.	1170	
	Maple Sugar Lane	Sinclair Lane	South End	0.14	0-49	6	G/S	\$1,260.00	75mm Granular A	1180	
	Adams Road		2.51 km East	2.51	200-399	5	G/S	\$56,475.00	Ditching, 75mm Granular A	1190	
	Adams Road	2.51 km East of Cottrells Road	Albert Street	0.90	200-399	8	G/S	\$12,600.00	75mm Granular A	1200	
	Albert Street	Highway 124	Dunbar Street	0.31	400-999	7 '	НСВ	\$29,450.00	Resurf 6-10 YR.	1210	
	Albert Street	Dunbar Street	Oakridge Drive	0.38	400-999	4	LCB	\$54,670.00	Pulverize, 150mm Granular A, Hot Mix	1220	
1230	Albert Street	Oakridge Drive	Adams Road	0.49	400-999	4	LCB	\$70,495.00	Pulverize, 150mm Granular A, Hot Mix	1230	
1240	Albert Street	Adams Road	1.50 km North	1.50	200-399	6	G/S	\$18,750.00	Gravel Resurf 2013	1240	
1255	Albert Street	1.5 km North of Adams Road	High Valley Road	0.45	200-399	10	HCB	\$0.00		1255	
1260	Oakridge Drive	Albert Street	Adams Road	0.79	50-199	7	G/S	\$9,875.00	Gravel Resurf 2013	1260	
1270	Hillcrest Street	Oakridge Drive	Albert Street	0.14	50-199	7	G/S	\$1,750.00	Gravel Resurf 2013	1270	

					0011L Z						
ECTION NO.	ROAD NAME:	FROM	TO	KM. LENGTH	TRAFFIC RANGE	CONDITION RATING	SURVACE	ESTIMATED	REMARKS	SECTION:	PRIORIT
1280	Hill Valley Road	Albert Street	0.24 km East	0.24	50-199	10	нсв	\$0.00		1280	
1285	Hill Valley Road	0.24 km East of Albert Street	Tower Road	1.80	50-199	5	G/S	\$47,700.00	Ditching, 100mm Granular A	1285	
1290	Hill Valley Road	Tower Road	East End	1.43	0-49	7	G/S	\$15,015.00	Gravel Resurf 2012	1290	
1300	Pevensey Road	Inlet Creek Road	0.69 km South	0.69	200-399	2	LCB	\$47,090.00	150mm Granular A, DST	1300	
1310	Pevensey Road	0.69 km South of Inlet Creek Road	Turgeon's Road	1.40	200-399	9	G/S	\$19,600.00	75mm Granular A	1310	
1315	Turgeon's Road	Pevensey Road	East End	1.30	0-49	1	G/S	\$22,100.00	Ditching, 75mm Granular A	1315	
1320	Pevensey Road	Turgeon's Road	Maple Valley Road	1.98	200-399	9	G/S	\$27,720.00	75mm Granular A	1320	
1330	Maple Valley Road	Pevensey Road	West End	0.90	0-49	4	G/S	\$18,450.00	Ditching, 75mm Granular A	1330	1
1340	Pevensey Road	Maple Valley Road	Kents Mill Road	2.17	200-399	4	LCB	\$67,270.00	Pulverize, 150mm Granular A	1340	
1350	Gibbons Road	Pevensey Road	Joly Boundary	. 0.80	50-199	6	G/S	\$8,400.00	75mm Granular A	1350	
1360	Farm View Road	Pevensey Road	West End	2.45	50-199	6	G/S	\$30,625.00	75mm Granular A	1360	
1370	Kents Mill Road	Pevensey Road	Joly Boundary	0.84	50-199	7	G/S	\$11,760.00	75mm Granular A	1370	
1380	Schmidts Road	Kents Mill Road	0.73 km South	0.73	0-49	5	G/S	\$10,220.00	75mm Granular A	1380	
1390	Pevensey Road	Farm View Road	1.0 km South	1.00	200-399	9	G/S	\$14,000.00	75mm Granular A - 6-10 YR.	1390	
1400	Pevensey Road	1.0 km South of Farm View Road	Armour Boundary	1.00	200-399	3	LCB	\$41,900.00	Ditching, Pulverize, 150mm Granular A	1400	
TAL;	·			144.88		_	<u>_</u>	\$4,486,660.00			

APPENDIX B

Summary of Bridge Needs

Strong Township - Inspection Summary Report - Bridge Needs

		Amena Bron	odem - r	CLIVII SUIIIIIA	onorial design - mayornon omininary nepon - pringe needs
Structure No.	Element	Rehab/Replace	Priority	Estimated Cost	Comments
BR1 - Adams Road Bridge	Abutments Wingwalls ' Posts	Rehab Replace	7 <u>7</u> 5	\$10,000,00	Water depth prevents abutment inspection Northeast wingwall in poor condition due to wide cracks and separation Broken posts with splitting, checking and collision damage. Loose steet cable
ï	Railing Systems Soffit Streams & Watenvavs	Replace	1 .5	\$20,000.00	Loose steel cables due to damaged posts Not accessible due to water depth Von small faeshand
			Total	Total: \$30,000.00	אנול אוופוו ומבתיכמית
BR3 - Brookside Road Bridge	Posts				Minor splitting collision damage anded
	Railing Systems				Winor collision damage noted
	Soffit Deck Ton				Could not be inspected due to position of previous structure
			Total	Total: \$0.00	willow inovenient of center cover plates, crean bridge beak of deptis.
BR-4 - Robins Road Bridge	Deck				All elements in good condition
			Total	Total: \$0.00	a decembration in good annihilation
BR5 - Muskoka Road Bridge	Ballast Walls				
	Abutments	Rehab	7	\$48,000.00	Light to severe scaling noted. Severe scaling and spall at both abutments.
	Railing Systems	Replace	1 .		Broken steel pipe railing sections noted. Section loss noted.
	Girlors	Keplace	ტ. (4	Light corrosion noted.
	Stringers	Replace		\$150,000,000	Section loss noted at girder ends. Cauching of and almostern loss
	Coatings (Railing Systems)	Replace	, (2		Crushing or entas/secuon toss, Localized loss of coating.
	Coatings (Structural Steel)	Replace	.		Breakdown of coatings on structural steel
	Drainage	Replace	3		Light corrosion,
	Sofit Deck Ton	Replace	ب بان بر		Wilde leaking active cracks
		Nepide	7.05	Total: \$408 nnn nn	Wide transverse cracks noted
	-	j	0.00	00'000'06! ¢	
BR6 - Stirling Creek Bridge	Approaches (Wearing Surface)				Potholes noted
	Posts				Collision damage noted at northeast guide rail
	Raung Systems Wearing Surface	Rehab	<u>7</u>	\$5,000,00	Collision damage noted at northeast guide rail Senters retting and at the warming surface.
	Curbs		2	22222124	octors towns increa at the weating surrace. Medium to wide splits along the bolt line
			Total:	Total: \$5,000.00	
BR7 - Pevensey Road Bridge	Abutment Walls				Light scaling
			Total	Total: \$0.00	
BR2 - Forest Lake Road Culvert	Barrier/Parapet Wall	Rehab	1-5	\$25,000.00	.Medium to severe scaling
	Railing Systems				Medium to severe scaling
	Inlet Components	Kenab	ζ. O	\$15,000.00	Concrete disintegration on east wall. Spall and exposed/corroded reinforcement on soffit
	Outlet Components				mediant scaling troted. Severe and medium scaling noted, Minor separation at construction inint
	embankments				Severe washout on northwest embankment
			Total:	Total: \$40,000.00	
BRB - Black Creek Road Culvert	Barrels			-	Water level too high
			Total:	Total: \$0.00	

Ontario Structure Inspection Manual - Inspection Form Lift and Swing Bridge Maintenance Erosion Control at Bridges Repair to Structural Steel ☐ Bridge Cleaning Repair of Bridge Concrete Concrete Sealing Bridge and Handrail Maintenance Repair of Bridge Timber Rout and Seal Painting Steel Bridge Structures Bailey Bridges - Maintenance Bridge Deck Drainage Bridge Deck Joint Repair Animal/Pest Control Scaling (Loose Concrete or ACR Steel) Bridge Bearing Maintenance Bridge Surface Repair Other Recommended Work Repair and Estimated Element Type Element **Priority** Comments Rehabilitation Construction Cost Required Urgent Within 1 year Major Rehab to 5 years 10 years Bridge BR1 \circ **(** O 0 O O 0 O Abutment Walls BR1 BE-AB-WLLS 0 Ō Ö Ō \bigcirc Ō 0 O \mathbf{O} Wingwalls BR1_BE-AB-WW 10,000.00 \bigcirc 0 (3) O Repair concrete on N/E O O **(**•) Ō 0 wingwall Wearing Surface BR1_BE-AP-WSF \circ \circ Ö 0 0 O \circ \mathbf{C} 0 (Approaches) Posts BR1_BE-BA-PSTS Replace railing system (costed **(** \circ Õ O 0 $\langle \cdot \rangle$ 0 0 0 under railing systems) BR1 BE-BA-RS 20,000.00 Railing Systems Replace railing system O O \circ O O **(***) 0 **(** 0 Soffit - Thick Slab BR1_BE-DK-STHS 0 \circ O O 0 \circ O O ()Deck Top BR1 BE-DK-TP 0 \circ 0 $\langle \rangle$ O \bigcirc ()O 0 Embankments BR1_BE-EM-BNK 0 Ö O Ö O () \bigcirc \mathbf{O} Streams and Waterways BR1_BE-EM-SW \circ O \circ \bigcirc \circ O $\langle \hat{ } \rangle$ O O

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Total Cost

30,000.00

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Foundation (Below Ground

Level) Curbs BR1_BE-FD-FND

BR1 BE-SW-

CURB

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Associated Work		AND THE RESERVE OF THE PROPERTY OF THE PROPERT
	Comments	Estimated Cost /
Approaches:		The state of the s
Contingencies:		
Detours:		
Eng Design & Supervision:	New barrier system and concrete repair design	\$4,500.00
Environmental Study:		
Traffic Control:		Carried Halad College
Utilities:		######################################
Other:		
akturen arikulen mannintelementeleks seinka meri entisk frik frik group op proprieten ja varian sepera arikus a	Total Cost:	\$4,500.00
Justification:		The state of the s

Tuesday, June 26, 2012

Element Type	Element		Reh	uire	tatio	n		Pric	rity			Estimated Construction Cost	Comments
			None	Repair	Minor Rehab.	Major Rehab.	Replace	Urgent	Within 1 year	1 to 5 years	to 10 years 6		
Culvert	BR2		0	0	ூ	Ö	O	Ö	O	0	0		
Barrier / Parapet Wall	BR2_BE	-BA-BPW	0	O	⊚	O	O	Ö	0	0	O	25,000.00	Repair concrete on barrier w
Railing Systems	BR2_BE	-BA-RS	O	O	•	Ö	Ö	O	Ö	•	0	ELICOP RUINEUTY RECOUNT THE CONCRETED AS	Repair concrete on barr (costed under parapet wa
Barrels	BR2_BE-	-CL-BRL	ō	0	0	O	O	0	O	③	0	15,000.00	Repair concrete on so
Inlet Components	BR2_BE	-CL-IC	O	0	0	O	0	0	Ō	Ö	0		**************************************
Outlet Components	BR2_BE	-CL-OC		O	0	0	O	O	Ö	O	0	***************************************	
Wearing Surface (Decks)	BR2_BE-	-DK-WS	O	0	0	O	0	O	0	O	Ö		
Embankments	BR2_BE-	-EM-BNK	0	0	O	O	Ö	0	0	Ö	Ö		AND
Streams and Waterways	BR2_BE-	-EM-SW	०	O	O	0	O	O	Ö	0	Q		** Country of the Cou
		and the same of th			·		1. Control		· · · · · · · · · · · · · · · · · · ·	Total	Cost	40,000.00	
Associated Work													
Associated Work		Comme	nts							·			Estimated Cost
Approaches:		ny tanàna mandra mandra ao i n	TOTAL CASE		-				~~~	······································			
Contingencies:					··			·					
Detours:												····	
Eng Design & Supervision	on:	Design,	tende	ring :	and c	onsti	ructio	n su	pervis	sion			\$6,000.0
Environmental Study:	**************************************	,			0=3 =0= 810=		area.rea	·	market description of	well-off to part, follow			1
Traffic Control:		THE PART BANKARD	CRAT-LEL-ST			· · · · · · · · · · · · · · · · · · ·							
Utilities:						-							
Other:			LEGIS VALLE									703 JFC C-6570G 35GA 35cB-124-cg bp-p	
		Total Co	st:										\$6,000.0
Justification:													

Recommended Work					i ilsvije					(1) (16)		e de la
Element Type	Element	Reh	uire	tatio	n			rity			Estimated Construction Cost	Comments
,		None	Repair	Minor Rehab.	Major Rehab.	Replace	Urgent	Within 1 year	1 to 5 years	to 10 years 6		
Bridge	BR5	Ö	Ö	Õ	٦	Õ	O	O	ூ	O		
Ballast Walls	BR5_BE-AB-BLST	O	0	O	O	O	\circ	O	0	O		**************************************
Abutment Walls	BR5_BE-AB-WLLS		O	٥	0	O		\circ	(3)	O	48,000.00	Repair concrete at abutments.
Barriers	BR5_BA	O	O	0	O	O	O	O	\circ	O		
Posts	BR5_BE-BA-PSTS	0	O	•	O	0	O	O	•	O		Replace posts and railing system (costed under railing)
Railing Systems	BR5_BE-BA-RS	0	O	0	Ō	O	O	Ö	•	Ō	MENDENNY SERVICES SER	Replace posts and railing system (costed under girders)
Floor Beams	BR5_BE-BE-FRBM	O	O	Ö	Ö	0	O	Ó	•	0	TO THE SECOND PLAN OF THE PARTY	Replace floor beams with superstructure (costed under girders)
Girders	BR5_BE-BE- GDRS	0	0	0	0	0	0	Ö	<u> </u>	Ö	150,000.00	Replace girders with superstructure
Stringers	BR5_BE-BE-STR	0	C	O	O	(1)	O	0	•	0		Replace stringers with superstructure (costed under girders)
Railing System / Hand Railing	BR5_BE-CT-RSHR	O	O	O	0	0	0	0	O	0		
Structural Steel	BR5_BE-CT-SS	O	O	O	0	0	Ö	0	O	O		(
Drainage (Decks)	BR5_BE-DK-DR	O	Ö	O	O	Ø	O	٥	•	O		Replace drainage with superstructure (costed under girders)
Soffit - Thin Slab	BR5_BE-DK-STS	0	0	O	0	0	0	0	•	Ö	and a commence of the control of the	Replace bridge deck with superstructure (costed under glrders)
Deck Top	BR5_BE-DK-TP	O	O	O	O	0	೦	O	•	0		Replace deck with superstructure (costed under girders)
Embankments	BR5_BE-EM-BNK	\circ	O	Ø	O	O	O	O	O	O		AND THE COMMENTAL OF THE CONTRACT OF THE CONTR
Streams and Waterways	BR5_BE-EM-SW	0	O	0	Ö	Ö	O	O	Ö	O	Company of the Compan	
Foundations	BR5_FND	O	O	Ö	0	0	0	O	Ō	O		TO POON TO THE ATTENDED TO THE STATE OF THE
Foundation (Below Ground Level)	BR5_BE-FD-FND	O	0	0	0	0	O	O	O	O		
Curbs	BR5_BE-SW- CURB	0	O	O	O	Ø	O	O	©	Ö	Pader Science (1995 Ann Science Science Annual Annual Science Annual Annual Annual Annual Annual Annual Annual	Replace curbs with superstructure (costed under girders)
									Total	Cost	198,000.00	

Associated Work		
Associated Work	Comments	Estimated Cost \$
Approaches:		
Contingencies:		
Detours:		MATERIAL SPECIAL SPECI
Eng Design & Supervision:	Design, tendering and construction supervision	\$30,000.00
Environmental Study:		PROCES CONTROL AND
Traffic Control:		
Utilities:		
Other:		
	Total Cost:	\$30,000.00
Justification:		1981 (Spanish DK 1971), Ngangga Marka
<u> (BERGER PROGRAMMENT AND PROGRAMMENT CONTRACTOR OF THE PROGRAMMENT AND THE PROGRAMMENT AND AND AND AND AND AND AND AND AND AND</u>		мура и учину и е нашан в водни и вод и ше е е е друга и 2000 г.) 200 г. де е е е е е е е е е е е е е е е е е е

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Lift and Swing Bridge	Maintenance [R	epair	to Str	uctura	al Stee	el		Ľ	Er	osion Control at Bri	dges
Bridge Cleaning	Г	⊤ Re	epair	of Bri	dge C	oncre	te		r] Co	ncrete Sealing	
Bridge and Handrail N	laintenance [₹ Re	epair	of Bri	dge T	imber			r	Ro	out and Seal	
Painting Steel Bridge	Structures [Ва	ailey I	3ridge	s - M	ainter	ance		Г	Bri	dge Deck Drainage	•
Bridge Deck Joint Rep	pair [₹ Ar	nimal	Pest	Contr	ol			Γ		aling (Loose Concr	ete or ACR
Bridge Bearing Mainte	enance [🧻 Br	idge	Surfac	ce Re	pair			Г	.	eel) her	
Recommended Work	n i naka kana ang ka		(6) 485 180 - 180	Seezita)	(34.69)			Sheripi (2) ewstern				
Element Type	Element	Reh	air a abili uire	tatio	n	getal Votogʻa Aliq	Pric	rity		eranta waka	Estimated Construction Cost	Comments
		None	Repair	Minor Rehab.	Major Rehab.	Replace	Urgent	Within 1 year	1 to 5 years			
Bridge	BR6	O	O	((")	O	O	Ö	Ø	Ö		
Ballast Walls	BR6_BE-AB-BLST	O	Ö	0	Ō	Ö	$\overline{\circ}$	Ö	Ö	O	a manazarra manazarra apatarra zama dringimor nepit pinerje (. og p. ngody deglymori ya g	
Abutment Bearings	BR6_BE-AB- BRNG	0	O	O	O	0	೧	Ō	0	O		THE PROPERTY OF THE PROPERTY O
Abutment Walls	BR6_BE-AB-WLLS	O	O	O	O	O	O	O	Ö	O	Political Vanda di Grance di Caraca	
Wearing Surface (Approaches)	BR6_BE-AP-WSF	ं	O	O	O	O	0	O	O	C		American Control of the Control of t
Posts	BR6_BE-BA-PSTS	O	O	Ö	O	O	O	O	O	O		
Railing Systems	BR6_BE-BA-RA	O	Ō	Ö	O	Ø	O	Ö	0	0		
Railing Systems	BR6_BE-BA-RS	O	0	O	O	O	\circ	O	O	O		THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS O
Floor Beams	BR6_BE-BE-FRBM	O	O	O	0	0	0	0	0	O		
Stringers	BR6_BE-BE-STR	Ō	Ō	Ō	O	O	0	O	O	0		
Bracing Element	BR6_BE-BC- BRCG	0	0	O	O	Ö	0	O	0	O	and the second like and th	MATERIAL PROPERTY AND ASSESSMENT OF THE PROPERTY OF THE PROPER
Structural Steel	BR6_BE-CT-SS	O	O	O	O	0	O	O	O	O		The second control of
Deck Top	BR6_BE-DK-TP	O	O	O	O	0	0	O	O	\circ	The state of the s	The second secon
Wearing Surface (Decks)	BR6_BE-DK-WS	0	O	Ø	O	0	O	O	⊚	0	5,000.00	Replace deck wearing surface.
Embankments	BR6_BE-EM-BNK	0	O	O	0	$\overline{\circ}$	O	O	0	Ø		
Streams and Waterways	BR6_BE-EM-SW	្	O	0	O	0	Ö	0	Ö	O		PLACE HAR DE VIII-Quie jagrange van de viene de
Curbs	BR6_BE-SW- CURB	0	O	O	0	O	Ö	0	0	O		
Bottom Chords	BR6_BE-TR-BT	()	Ö	O	Ö	0	0	Ö	O	Ω	AND THE REAL PROPERTY OF THE PARTY OF THE PA	
Connections	BR6_BE-TR-CNN	0	0	Ö	0	0	O	O	0	0	APRINTED AND AND AND AND AND AND AND AND AND AN	HARMAN AND HARMAN AND AND AND AND AND AND AND AND AND A
Top Chords	BR6_BE-TR-TC	O	O	O	O		0	O	O	0	- ATTOCK WIT SALVANIA CHEST	ences and a control section of the control of the section of the s
Verticals / Diagonals	BR6_BE-TR-V	Ö	O	O	O	ा	Ö	O	O	0	PP-PI-TO Library Library and American designation of the second second	eran eta
Verticals / Diagonals	BR6_BE-TR-VD	O	Ō	O	0	O	O	Ö	O	$\overline{\circ}$	PPACE Probled to the later constitution cons	omers (various margine uny lege (superf)) Pale Palado Pasia e con versalibe e con e una constantal inscendi
		-							Total	Cost	5,000.00	

APPENDIX C

10 Year Road and Bridge Plan



THE TOWNSHIP OF STRONG

ASSET MANAGEMENT PLAN 10 YEAR CAPITAL MANAGEMENT PLAN FOR ROADS

			ľ					
YEAR	SECT. NO.	DESCRIPTION	Km Km	Condition Rating	Traffic Range	TYPE	COST (\$)	SECT. NO.
2014	105	Strong/Joly Boundary Rd., from Forest Lake Rd. to 0.18 km North	0.18	ဖ	200-399	SST	3,600.00	105
	920	High Rock Dr., from Birch Ln. to the Bridge	06.0	9	400-999	Pulverize, 150mm Gran. A, DST	58,500.00	920
	1130	Sunny Ridge Rd., from Hwy. 124 to High Rock Dr.	1.50	4	400-999	150mm Granular A	37,000.00	1130
	1400	Pevensey Rd., from 1.0 km S. of Farm View Rd. to Armour Boundary.	1.00	3	200-399	Ditching, Pulverize, 150mm Gran. A	41,900.00	1400
	740	Lakeshore Dr., from South Lake Bernard Rd. to Elizabeth St.	0.40	ß	200-399	LSS	8,000.00	740
	1220	Albert St., from Dunbar St. to Oakridge Dr.	0.38	4	400-999	Pulverize, 15mm Granular A, Hot Mix	54,670.00	1220
	1230	Albert St., from Oakridge Dr. to Adams Rd.	0.49	4	400-999	Pulverize, 15mm Granular A, Hot Mix	70,495.00	1230
							TOTAL \$274,165.00	
2015	10	Strong/Machar Boundary Rd., from Cheer Lake Rd. to Park Rd. S.	1.63	9	200-399	LSS	33,252.00	5
	1140	Golf Lane, from Sunny Ridge Rd. to South End	0.18	9	50-199	SST	3,672.00	1140
	1300	Pevensey Rd., from 0.69 km S. of Inlet Creek Rd. to Turgeon's Rd.	09:0	2	200-399	150mm Gran. A, DST	48,992.00	1300
	1340	Pevensey Rd., from Maple Valley Rd. to Kents Mill Rd.	2.17	4	200-399	150mm Gran. A, Pulverize.	68,615.00	1340
	100	Strong/Joly Boundary Rd., from Peacock Rd. to 0.18 km N. of Forest Lake Rd.	1.86	4	200-399	75mm Gran. A	26,775.00	100
	1160	Municipal Ln., from Buck Haven Rd. to E. End	0.14	3	50-199	Pulverize, 150mm Gran. A.	10,000.00	1160
	1040	Muskoka Rd., from South Lake Bernard Rd. to South Lake Bernard Rd.	0.91	2	400-999	Pulverize, 150mm Gran. A, DST	68,687.00	1040
							TOTAL \$259,993.00	

YEAR	зест. ио.	DESCRIPTION	Km Km	Condition Bating	Traffic Range	ТҮРЕ	COST (\$)	SECT. NO.
2016	1170	Sunset Dr., from Hwy. 124 to Albert St.	0.39	9	50-199	SST	8,112.00	1170
	730	Lakeshore Dr., from 0.17 km W. of Pevensey Rd. to South Lake Bernard Rd.	0.62	9	668-007	SST	12,896.00	730
	1260	Oakridge Dr., from Albert St. to Adams Rd.	0.79	5	50-199	75mm Gran. A	10,270.00	1260
ш	1270	Hillcrest St., from Oakridge Dr. to Albert St.	0.14	9	50-199	75mm Gran. A	1,810.00	1270
	130	Forest Lake Rd., from Strong/Joly Boundary Rd. to Inlet Creek Rd.	0.99	4	666-004	Ditching, Pulverize, 150mm Granular A, DST	86,486.00	130
	066	Albert St., from High Rock Dr. to 200m S. of Sunset Dr.	0.49	4	400-999	Pulverize, 150mm Granular A.	17,264.00	066
	710	Lakeshore Dr., from Pevensey Rd. to 0.17 km W.	0.17	4	200-399	Pulverize, 150mm Granular A, DST	12,979.00	710
	260	Gilchrist Trail, from South Lake Bernard Rd. to Tee Intersection	0.74	4	0-49	Pulverize, 150mm Granular A.	19,240.00	760
	770	Gilchrist Trail, from South End to North End	0.54	4	64-0	Pulverize, 150mm Granular A.	14,040.00	770
	870	Crescent Rd., from High Rock Dr. to East End	0.18	4	0-49	75mm Gran. A	4,098.00	870
	520	Hill Valley Rd., from Homibrook Rd. to Uplands Rd.	1.65	4	50-199	Pulverize, 150mm Granular A, DST	127,504.00	520
							TOTAL \$314,699.00	
2017	140	Forest Lake Rd., from Inlet Creek Rd. to Lakeshore Dr.	1.29	ε	400-999	Ditching, Pulverize, 150mm Granular A. DST	115,392.00	140
	850	High Rock Dr., from South Lake Bernard Rd. to Birch Lane	1.69	2	400-999	Pulverize, 150mm Granular A.	61,650.00	850
	1150	Buck Haven Rd., from Sunny Ridge Rd. to Municipal Ln.	0.41	2	200-399	Pulverize, 150mm Granular A.	23,468.00	1150
	380	Strong Chapman Rd., from Brookside Rd. to Bloomfield Rd.	2.01	3	50-199	Ditching, 150mm Granular A	74,571.00	380
	310	North Horn Lake Rd., from Rodeo Rd. to Magnetawan Boundary	1.64	S	661-09	Ditching, 150mm Granular A	41,722.00	310
							TOTAL \$316,803.00	
2018	410	Brookside Rd., from Rodeo Rd. to O'Brien Rd.	2.00	5	50-199	75mm Gran. A	32,400.00	410
	280	South Horn Lake Rd., from Magnetawan Boundary to Rodeo Rd.	1.16	9	661-09	75mm Gran. A	20,250.00	280
	1310	Pevensey Rd., from 0.69 km S. of Inlet Creek Rd. to Turgeon's Rd.	1.40	S)	200-399	75mm Gran. A	21,168.00	1310
!	1320	Pevensey Rd., from Turgeon's Rd. to Maple Valley Rd.	1.98	5	200-399	75mm Gran. A	29,938.00	1320
1	830	South Lake Bernard Rd., from High Rock Dr. to Muskoka Rd.	1.53	4	400-989	Pulverize, 150mm Granular A, DST	122,278.00	830
	170	Pevensey Rd., from Sunny Beach Rd. to Inlet Creek Rd.	0.66	4	200-399	Pulverize, 150mm Granular A, DST	42,768.00	170
	470	Homibrook Rd., from Adams Rd. to Parkes Lane	2.03	4	50-199	150mm Gran. A	61,387.00	470
							TOTAL \$330,189.00	

YEAR	еест. ио.	DESCRIPTION	Km LENGTH	Condition Rating	Traffic Range	ТҮРЕ	COST (\$)	зест. ио.
2019	20	Strong/Machar Boundary Rd., from Park Rd. S. to Uplands Rd.	3.72	4	200-399	Pulverize, 150mm Granular A, DST	302,148.00	20
	200	Inlet Creek Rd., from Pevensey Rd. to Forrest Lake Rd.	1.66	4	50-199	75mm Gran. A	25,564.00	200
	250	South Lake Bernard Rd., from Hwy. 11 to Muskoka Rd.	0.10	4	0-49	Pulverize, 100mm Gran. A	2,288.00	250
							TOTAL \$330,000.00	
2020	160	Lakeshore Dr., from 0.31 km S.of Forest Lake Rd. to Pevensey Rd.	1.12	5	400-999	LSS	25,312.00	160
	800	South Lake Bernard Rd., from Pipes o Pan Lane to Crescent Rd.	1.09	r.	200-399	LSS	23,730.00	800
	820	South Lake Bernard Rd., from Crescent Rd. to High Rock Dr.	0.46	5	200-399	SST	10,396.00	820
	069	Forest Lake Rd., from Union St. to Lakeshore Dr.	0.84	4	1000+	150mm Gran. A	26,657.00	9
	1000	Albert St., from Sunset Dr. to 200m South	0.20	4	400-999	Pulverize, 150mm Granular A, DST	16,724.00	1000
	490	Hornibrook Rd., from Parkes Ln. to Machar Boundary	2.05	2	200-399	Pulverize, 150mm Granular A, DST	171,421.00	490
		T. C.					TOTAL \$274,240.00	
2021	105	Strong/Joly Boundary Rd., from Forest Lake Rd. to 0.18 km North	0.18	5	200-399	TSS	4,140.00	105
	920	High Rock Dr., from Birch Ln. to the Bridge	06.0	5	400-999	SST	20,700.00	920
	1140	Golf Lane, from Sunny Ridge Rd. to South End	0.18	5	50-199	SST	4,140.00	1140
1	1130	Sunny Ridge Rd., from Hwy. 124 to High Rock Dr.	1.50	5	400-999	150mm Granular A	42,550.00	1130
	700	Union St., from Forest Lake Rd. to Hwy. 124	0.80	4	1000 +	Pulverize, 50mm Granular A, HCB	44,850.00	200
	370	Strong/Chapman Rd., from Brookside Rd. to S. End	1.06	4	50-199	100mm Gran. A	17,066.00	370
	270	Rodeo Rd., from South Horn Lake Rd. to North Horn Lake Rd.	1.53	4	200-399	Ditching, 75mm Granular A	42,228.00	270
	1390	Pevensey Rd., from Farm View Rd. to 1.0 km South	1.00	5	200-399	75mm Gran. A	16,100.00	1390
	1190	Adams Rd., from Cottralls Rd. to 2.51 km East	2.51	4	200-399	Ditching, 75mm Granular A	64,946.00	1190
	1200	Adams Rd., from 2.51 km East of Cottralls Rd. to Albert St.	0:00	4	200-399	75mm Gran. A	14,490.00	1200
	300	Rodeo Rd., from North Horn Lake Rd. to North Horn Lake Rd.	0.86	4	50-199	75mm Gran. A	13,846.00	300
	320	Rodeo Rd., from North Horn Lake Rd. to Black Creek Rd.	2.06	4	50-199	100mm Gran. A	44,944.00	320
	740	Lakeshore Dr., from South Lake Bernard Rd. to Elizabeth St.	0.40	5	200-399	SST	9,200.00	740
							TOTAL \$339,200.00	

 	Γ	_	Γ	Τ	T		Ι''	ł	Τ			1	Г		1		Т	Г		Т		Г
зест. ио.	10	1140	1300	1340	720	840	550	565	570	580	290	620	930	640	099	989	1290	420	290	1120	1160	
COST (\$)	38,376.00	4,212.00	16,146.00	35,100.00	4,446.00	10,062.00	22,230.00	24,570.00	34,070.00	5,606.00	1,720.00	9,173.00	9,945.00	1,677.00	4,107.00	7,371.00	17,568.00	32,842.00	3,908.00	3,528.00	3,276.00	TOTAL \$289.933.00
ТҮРЕ	ISS	SST	188	100mm Granular A.	Ditching, 75mm Granular A	Ditching, 75mm Granular A	75mm Gran. A	75mm Gran, A	75mm Gran. A	75mm Gran. A	75mm Gran. A	75mm Gran. A	75mm Gran. A	75mm Gran. A	75mm Gran. A	75mm Gran. A	75mm Gran. A	100mm Gran. A	75mm Gran. A	75mm Gran. A	SST	
Traffic Range	200-399	50-199	200-399	200-399	50-199	50-199	50-199	200-399	200-399	50-199	0-49	50-199	50-199	50-199	50-199	50-199	0-49	50-199	50-199	50-199	50-199	
Condition Rating	5	5	5	9	4	7	5	5	5	S	9	9	9	5	S	S	4	7	4	4	ε	
Km LENGTH	1.63	0.18	0.69	2.17	0.15	0.41	1.52	1.50	2.08	0.39	0.14	0.56	0.68	0.09	0.39	0.60	1.43	2.05	0.21	0.12	0.14	
DESCRIPTION	Strong/Machar Boundary Rd., from Cheer Lake Rd. to Park Rd. S.	Golf Lane, from Sunny Ridge Rd. to South End	Pevensey Rd., from Inlet Creek Rd. to 0.69 km S.	Pevensey Rd. from Maple Valley Rd. to Kents Mill Rd.	Sunny Birch Rd., from Lakeshore Dr. to 0.15 km W.	Crescent Rd., from South Lake Bernard Rd, to W. End	Albert St., from 0.40 km N. of Hill Valley Rd. to Machar Boundary	Tower Rd., from 0.4 km S. of Machar Boundary to Hill Valley Rd.	Tower Rd., from Hill Valley Rd. to High St.	High St., from Tower Rd. to Hwy. 124	Stick and Stone Ln., from High St. to North End	Cheryl Cres., from Forest Lake Rd. to Forest Lake Rd.	Bernard Cres., from Forest Lake Rd. to Lakeshore Dr.	Evergreen Ln., from Bernard Cres. To East End	Bucko McDonald Dr., from Forest Lake Rd. to S. End	Maylon Dr., from Forest Lake Rd. to S. End	Hill Valley Rd., from Tower Rd. to East End	O'Brien Rd., from Brookside Rd. to Hwy. 124	South Horn Lake Rd., from Rodeo Rd. to Armour Boundary	Maple Sugar Ln., from Hwy. 124 to North End	Municipal Ln., from Buck Haven Rd. to E. End	
зест. ио.	10	1140	1300	1340	720	840	550	565	570	580	290	620	630	640	099	089	1290	420	290	1120	1160	
YEAR	2022																					

NO. DESCRIPTION	DESCRIPTIO		Кт Кт	noitibno: Rating	Traffic Range	ТҮРЕ	COST (\$)	.ОИ .ТОЗ
4470 C Fr 174 All C.		1	1 8	o	3	1000 C		ıs
7	7	+	SC-0	٥	SS1-00	331	9,360.00	0/11
730 Lakeshore Dr., from 0.17 km W. of Pevensey Rd. to South Lake Bernard Rd.	7 km W. of Pevensey Rd.		0.62	9	200-399	SST	14,880.00	730
710 Lakeshore Dr., from Pevensey Rd. to 0.17 km W.	Lakeshore Dr., from Pevensey Rd. to 0.17 km W.	\vdash	0.17	5	200-399	SST	4,080.00	710
760 Gilchrist Trail, from South Lake Bernard Rd. to Tee Intersection	Gilchrist Trail, from South Lake Bernard Rd. to Tee Intersection		0.74	5	0-49	SST	17,760.00	760
770 Gilchrist Trail, from South End to North End	Gilchrist Trail, from South End to North End	Н	0.54	ъ	0-49	SST	12,960.00	770
1040 Muskoka Rd., from South Lake Bernard Rd. to South Lake Bernard Rd.	Muskoka Rd., from South Lake Bernard Rd. to S Lake Bernard Rd.	 	0.91	S	400-999	SST	21,840.00	1040
Forest Lake Rd., from Strong/Joly Boundary Rd. to Inlet Creek Rd.	e Rd., from Strong/Joly Boundary Rd.		0.91	5	400-999	SST	24,000.00	130
1150 Buck Haven Rd., from Sunny Ridge Rd. to Municipal Ln.	Buck Haven Rd., from Sunny Ridge Rd. to Municip	Н	0.41	5	200-399	150mm Granular A	9,840.00	1150
一	一	\exists	0.79	5	50-199	75mm Gran, A	11,850.00	1260
1270 Hillcrest St., from Oakridge Dr. to Albert St.	一		0.14	5	50-199	75mm Gran. A	2,088.00	1270
350 Rodeo Rd., from Black Creek Rd. to Brookside Rd.	Rodeo Rd., from Black Creek Rd. to Brookside Rd.		2.37	4	50-199	Ditching, 100mm Granular A	82,476.00	350
960 High Rock Dr., from Turtle Rock Ln. to Layalomi Dr.	High Rock Dr., from Turtle Rock Ln. to Layalomi Dr.	\dashv	0.89	5	400-999	75mm Gran. A	14,952.00	096
980 High Rock Dr., from Layalomi Dr. to Albert St.	High Rock Dr., from Layalomi Dr. to Albert St.		1.96	5	400-999	75mm Gran. A	32,928.00	980
230 Pevensey Rd., from Muskoka Rd. to 2.8 km East	Pevensey Rd., from Muskoka Rd. to 2.8 km East		2.80	4	50-199	Ditching, 75mm Granular A	76,476.00	230
900 Birch Ln., from Aspen Lane to West End	Birch Ln., from Aspen Lane to West End		0.72	4	50-199	75mm Gran. A	9,600.00	006
990 Albert St., from High Rock Dr. to 200m S. of Sunset Dr.	Albert St., from High Rock Dr. to 200m S. of Sunset Dr.		0.49	4	400-999	150mm Granular A	5,760.00	066
710 Lakeshore Dr., from Pevensey Rd. to 0.17 km W.	Lakeshore Dr., from Pevensey Rd. to 0.17 km W.		0.17	4	200-399	Pulverize, 150mm Granular A, DST	4,080.00	710
							TOTAL \$354,930.00	

APPENDIX D

Summary of Historical Expenditures

Report Date 12/19/2013 12:53 PM	Township of Strong Budgetary Control For the Period 1/1/2010 - 12/31/2010	trong ontrol 10 - 12/31/2010			a.	Page 1
Account # / Description	Committed	Current	Year to Date	Budget	Variance	%
	and the second s					
Expense Totals;						
Transportation Services			1			
55-51101 - COINSI ROCTION - WAGES			2,750.54	2,000,00	2,249.46	55.0
53-31102 - BRIDGES & CULVERTS - WAGES		4,049.37	19,343.54	20,000.00	656.46	26.7
53-31103 - ROADSIDE MAINTENANCE - WAGES		4,049.37	59,436.34	63,000.00	3,563.66	94.3
53-31104 - HARDTOP - WAGES			20,662.77	22,500.00	1,837.23	91.8
53-31105 - LOOSETOP MAINTENANCE - WAGES		4,049.37	41,896.63	49,000.00	7,103.37	85.5
53-31106 - WINTER CONTROL - WAGES		4,049.37	42,256.37	36,500.00	(5,756.37)	115.8
53-31107 - SAFETY DEVICES - WAGES		4,049.37	13,832.77	7,000.00	(6,832.77)	197.6
53-31108 - MISCELLANEOUS GARAGE - WAGES		4,049.37	63,395.67	43,000.00	(20,395,67)	147.4
53-31109 - TRAINING & DEVELOPMENT - WAGES				7,000.00	7,000.00	
53-31110 - OVERHEAD - WAGES		5,112.83	12,131.35	15,000.00	2,868.65	80.9
53-31111 - MACHINERY - WAGES		4,049.37	25,294.34	18,000.00	(7,294.34)	140.5
53-31410 - Contracted Services - Roads		(150.00)		10,000.00	10,000.00	
53-31422 - CONSTRUCTION - MATERIALS				10,000.00	10,000.00	
53-31423 - BRIDGES & CULVERTS - MATERIALS		(5,468.10)	6,246.92	21,000.00	14,753.08	29.8
53-31424 - ROADSIDE MAINTENANCE- MATERIALS			2,134.91	1,000.00	(1,134.91)	213.5
53-31425 - HARDTOP - MATERIALS			24,046.55	45,000.00	20,953.45	53.4
53-31426 - LOOSETOP MAINTENANCE-MATERIALS		15,055.00	166,915.74	150,000.00	(16,915.74)	111.3
53-31427 - WINTER CONTROL - MATERIALS		4,500.65	10,170.09	27,500.00	17,329.91	37.0
53-31428 - SAFETY DEVICES - MATERIALS		2,010.40	16,380.47	14,000.00	(2,380.47)	117.0
53-31429 - MISCELLANEOUS GARAGE - MATERIALS		5,396.14	21,380.10	50,000.00	28,619.90	42.8
53-31430 - Training & Development - Roads MATERIALS			4,665.70	6,000.00	1,334.30	77.8
53-31431 - OVERHEAD - MATERIALS		1,415.55	27,914.11	00'000'09	32,085.89	46.5
53-31432 - MACHINERY- MATERIALS		23,370.86	128,669.18	120,000.00	(8,669.18)	107.2
53-31760 - Capital - New equipment			242,234.00	225,000.00	(17,234.00)	107.7
Total Transportation Services:		79,588.92	951,758.09	1,025,500.00	73,741.91	92.8
relation To consequent		00 500 07	20 074 440	20 007 700 4	10 11 0 P	ç
Expense Lorals:		78'288'87	90.967,768	1,025,500.00	/3,/41.91	8778
Net Surplus (Deficit):		(79,588.92)	(951,758.09)	(1,025,500.00)	73,741.91	92.8
	TACL TO THE PROPERTY OF THE PR			and the first section of the section	the state of the s	

Report Date 12/19/2013 12:49 PM

Budgetary Control
For the Period 1/1/2011 - 12/31/2011 Township of Strong

Page

Account # / Description	Committed	Current	Year to Date	Budget	Variance	%
Expense Totals:						
Transportation Services						
53-31100 - Salaries & Benefits - Roads				301.000.00	301.000.00	
53-31101 - CONSTRUCTION - WAGES		12,165.54	12,680.88		(12,680,88)	
53-31102 - BRIDGES & CULVERTS - WAGES		(4.981.68)	7 275 75		(7.275.75)	
53-31103 - ROADSIDE MAINTENANCE - WAGES		(1,319.88)	46,132,75		(46 132 75)	
53-31104 - HARDTOP - WAGES		•	7.464.22		(7.464.22)	
53-31105 - LOOSETOP MAINTENANCE - WAGES		1.822.74	73,458.32		(73.458.32)	
53-31106 - WINTER CONTROL - WAGES		8,863.70	42,518.11		(42,518.11)	
53-31107 - SAFETY DEVICES - WAGES		525.00	3,325.59		(3,325,59)	
53-31108 - MISCELLANEOUS GARAGE - WAGES		5,514.17	17,582.04		(17,582.04)	
53-31109 - TRAINING & DEVELOPMENT - WAGES			3,277.56		(3,277.56)	
53-31110 - OVERHEAD - WAGES		17,746.34	76,646.66		(76.646.66)	
53-31111 - MACHINERY - WAGES			9,309.23		(9,309,23)	
53-31112 - PATROL - WAGES		1,470.87	22,244.92		(22,244.92)	
53-31410 - Contracted Services - Roads			6,894.60		(6,894.60)	
53-31422 - CONSTRUCTION - MATERIALS		5,238.16	37,250.39	44,000.00	6,749.61	84.7
53-31423 - BRIDGES & CULVERTS - MATERIALS		589.20	9,571.19	15,000.00	5,428.81	83.8
53-31424 - ROADSIDE MAINTENANCE- MATERIALS			6,088.88	2,500.00	(3,588.88)	243.6
53-31425 - HARDTOP - MATERIALS			8,121.43	25,000,00	16,878.57	32.5
53-31426 - LOOSETOP MAINTENANCE-MATERIALS		(2,585.75)	126,451.31	75,000.00	(51,451.31)	168.6
53-31427 - WINTER CONTROL - MATERIALS		(13,711.37)	10,142.09	20,000.00	9,857.91	50.7
53-31428 - SAFETY DEVICES - MATERIALS		3,864.80	21,081.63	25,000.00	3,918.37	84.3
53-31429 - MISCELLANEOUS GARAGE - MATERIALS		5,327.85	13,973.69	25,000.00	11,026.31	55.9
55-31430 - Iraining & Development - Roads MATERIALS			5,223,18	6,000.00	776.82	87.1
55-31431 - OVERHEAD - MATERIALS		2,104.42	30,195.26	30,000.00	(195.26)	100.7
55-51452 - MACHINERY- MATERIALS		22,245.54	148,824,79	130,000.00	(18,824.79)	114.5
55-51700 - Roads Reserve			50,000.00	50,000,00		100.0
53-31710 - Capital - Granite/Double Surface	***************************************	10,599.76	105,183.65	100,000.00	(5,183.65)	105.2
Total Transportation Services:		75,479.41	900,918.12	848,500.00	(52,418.12)	106.2
Expense Totals:		75,479.41	900,918.12	848,500.00	(52,418.12)	106.2
Net Surplus (Deficit):		(75,479.41)	(900,918.12)	(848,500.00)	(52,418.12)	106.2

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Township of Strong
Budgetary Control
For the Period 1/ 1/2012 - 12/31/2012 Report Date 12/19/2013 12:49 PM

Page 1

Account # / Description	Committed	Current	Year to Date	Budget	Variance	%
Expense Totals:						
Transportation Services						
53-31101 - CONSTRUCTION - WAGES		7,180,53	10,188.68	8,400.00	(1,788.68)	121.3
53-31102 - BRIDGES & CULVERTS - WAGES		(2,304.95)	13,876.35	10,000.00	(3,876.35)	138.8
53-31103 - ROADSIDE MAINTENANCE - WAGES		577.86	51,128.68	50,000.00	(1,128.68)	102.3
53-31104 - HARDTOP - WAGES		(282.34)	13,811.96	8,000.00	(5,811.96)	172.7
53-31105 - LOOSETOP MAINTENANCE - WAGES		(8,203.20)	38,443.81	70,000.00	31,556.19	54.9
53-31106 - WINTER CONTROL - WAGES		7,342.60	46,787.34	46,046.00	(741.34)	101.6
53-31107 - SAFETY DEVICES - WAGES		492.42	1,750.85	3,450.00	1,699.15	50.8
53-31108 - MISCELLANEOUS GARAGE - WAGES		973.32	16,652.92	20,000.00	3,347.08	83.3
53-31109 - TRAINING & DEVELOPMENT - WAGES		68.72	2,223.46	5,000.00	2,776.54	44.5
53-31110 - OVERHEAD - WAGES		(3,602.00)	68,373.48	70,000.00	1,626.52	57.7
53-31111 - MACHINERY - WAGES		587.36	12,656.17	10,000.00	(2,656.17)	126.6
53-31112 - PATROL - WAGES		400.21	25,046.63	23,000.00	(2,046.63)	108.9
53-31400 - Materials & Supplies - Roads			47.23		(47.23)	
53-31410 - Contracted Services - Roads		1,069.52	1,069.52	2,500.00	1,430.48	42.8
53-31415 - CAPITAL ASSET		433.91	433.91		(433.91)	
53-31422 - CONSTRUCTION - MATERIALS		32.97	57,063.06	25,000.00	(32,063.06)	228.3
53-31423 - BRIDGES & CULVERTS - MATERIALS		(245.37)	25,684.40	50,000.00	24,315.60	51.4
53-31424 - ROADSIDE MAINTENANCE- MATERIALS			1,615.28	5,500.00	3,884.72	29.4
53-31425 - HARDTOP - MATERIALS			8,498.80	20,000.00	11,501.20	42.5
53-31426 - LOOSETOP MAINTENANCE-MATERIALS		6,568.87	67,186.07	80,000.00	12,813.93	84.0
53-31427 - WINTER CONTROL - MATERIALS		13,762.04	39,096.10	24,000.00	(15,096.10)	162.9
53-31428 - SAFETY DEVICES - MATERIALS		2,174.35	20,261.11	20,000.00	(261.11)	101.3
53-31429 - MISCELLANEOUS GARAGE - MATERIALS		6,735.71	21,938.51	25,000.00	3,061.49	87.8
53-31430 - Iraining & Development - Roads MATERIALS			4,841.45	8,000.00	3,158.55	60.5
55-31431 - OVERHEAD - MATERIALS		1,788.49	28,221.97	35,000.00	6,778.03	80.6
53-31432 - MACHINERY-MATERIALS		10,463.08	158,201.15	135,000.00	(23,201.15)	117.2
55-517UU - Koads Reserve			5,000.00	5,000.00		100.0
53-31710 - Capital - Granite/Double Surface			188,880.64	200,000.00	11,119.36	94.4
53-31/50 - Capital -Bridges- PROUDFOOT BRIDGE			22,430.49		(22,430.49)	
25-51700 - Capital - New equipment			182,637.17	178,861.00	(3,776.17)	102.1
Total Transportation Services:		46,014.10	1,134,047.19	1,137,757.00	3,709.81	2.66
Expense Totals:		46,014.10	1,134,047.19	1,137,757.00	3,709.81	99.7

APPENDIX E

Procurement By-Law – 2011-017

THE CORPORATION OF THE TOWNSHIP OF STRONG

BY - LAW 2011-017

BEING the Procurement By-law Policies and Procedures

WHEREAS Section 271 of the Municipal Act, 2001 imposes upon municipalities the obligation to adopt policies with respect to the procurement of Goods and Services

AND WHEREAS this By-law establishes the authority and sets out the methods by which Goods, Services or Construction will be purchased and disposed of for the purposes of the Corporation of the Township of Strong subject to certain exceptions set out herein;

NOW THEREFORE the Council of the Corporation of the Township of Strong hereby enacts as follows:

PART I This By-law may be cited as the "Purchase By-law"

PART II Purposes, Goals and Objectives:

- a) To obtain the best value,
- b) to maximize savings for taxpayers
- c) to ensure service and product delivery, quality, efficiency and effectiveness
- d) to ensure fairness among bidders
- e) to ensure openness, accountability and transparency while protecting the financial best interests of the Township of Strong
- f) to have regard to the accessibility for persons with disabilities to the goods, services and construction purchased by the Township of Strong
- g) to attempt to reduce the amount of solid waste requiring disposal through the purchase of environmentally responsible Goods and Services.

PART III Definitions:

APPROVED INVOICE means an original suppliers invoice issued for goods and services which bears both the authorized signature and appropriate account number.

AWARD, AWARDED OR AWARDING means authorization to proceed with the purchase of Goods, Services or Construction from a chosen supplier

BID means an offer or written submission from a supplier in response to a Bid Solicitation **BID SOLICITATION** means a formal request for bids that may be in the form of a Request for Tender or Request for Proposal.

CONSTRUCTION means a construction, reconstruction, demolition, repair or renovation of a building, structure or other civil engineering or architectural work and includes site preparation, excavation, drilling, seismic investigation, soil investigation, the supply of products and materials and the supply of equipment and machinery if they are included in and incidental to the construction and the installation and repair of fixtures of a building, structure or other civil engineering design or architectural work, but does not include professional services related to the construction contract unless they are included in the specifications for the procurement.

CONTRACT means any agreement regardless of form or title, for the lease purchase or disposal of goods, services or construction authorized in accordance with this by-law;

COUNCIL means the Council of the Corporation of the Township of Strong

COUNCIL APPROVED BUDGET means Council approved department budgets including authorized revisions

EMERGENCY means a situation, or the threat of an impending situation, which may affect the environment, the life, safety, health and/or welfare of the general public, or the property of the residents of the Township of Strong, or to prevent serious damage, disruption of work, or to

LOWEST COMPLIANT BID means the bid that would provide the Township of Strong with the desired goods, services or construction at the lowest total acquisition costs, meets all the specifications and contains no irregularities requiring automatic rejection

PROFESSIONAL SERVICES means persons having a specialized knowledge or skill for a defined service requirement including:

- a) Architects, Engineers, designers, management and financial consultants
- b) Firms or individuals having specialized competence in environmental, planning or other disciplines.

PROGRESS PAYMENT means a payment made under the terms of a contract after the performance of the part of the contract in respect of which payment is made but before the performance of the whole contract;

PROPOSAL means an offer submitted in response to a request for proposal, acceptance of which may be subject to further negotiation.

PURCHASE means to acquire goods, services or construction by purchase, rental. Lease or trade; **PURCHASE ORDER** means a written offer to a supplier formally stating all terms and conditions for the purchase of goods, services or construction or a written acceptance of an offer received in accordance with this by-law.

QUOTE means a bid submitted in response to a Request for Quotation.

REQUEST FOR Proposal means a Bid Solicitation that is used to acquire goods, services or construction, the suitability of which is dependant upon non-price factors and which may result in further negotiation between the parties

SECURITY DEPOSIT means a deposit of securities by a supplier that the Township of Strong may convert under defined conditions to complete the suppliers contractual obligation; **SERVICES** means all professional and consulting services, all services in relation to real property or personal property including without limiting the foregoing the delivery, installation, construction, maintenance, repair, restoration, demolition or removal of personal property and real property and all other services of any nature and kind save and except services to only be delivered by an officer or employee of the Township of Strong in accordance with the terms of employment

SOLE SOURCE means the Supplier of a good or service that is unique to a particular vendor and cannot be obtained from another source.

TENDER means a publicly advertised Bid Solicitation

TOTAL ACQUISITION COST means an evaluation of quality and service in the assessment of a Bid and the sum of all costs including Purchase price, all taxes, warranties, local service costs, life cycle costs, time of completion or delivery, inventory carrying costs, operating and disposal costs for determining the Lowest Compliant Bid

TOWNSHIP & THE TOWNSHIP OF STRONG means the Municipal Corporation of the Township of Strong.

PART IV – GENERAL PROCUREMENT POLICY APPLICATION

- 1. The procedures in this by-law shall be followed to:
 - a) Award a Contract, or
 - b) Recommend to Council that a contract be awarded

2. RESPONSIBILITIES AND AUTHORITIES;

- A) The Procurement of Legal Services shall be directed by Council
- B) The Department Head has the responsibility for procurement activities within their departments and are accountable for achieving the specific objectives of the procurement project.
- C) The Department Head has the authority to award contracts in the circumstances specified in this by-law provided that the delegated power is exercised within the limits prescribed in this by-law, and the requirements of this by-law are met.

iii) the contract has a provision in it that the supply of goods or services in subsequent years is subject to the approval by Council of the estimates to meet the proposed expenditures.

4. RESTRICTIONS

- a) No contract for Goods, Services or Construction may be divided into two or more parts to avoid the application of the provisions of this by-law
- b) No Contract for services shall be awarded where the services would result in the establishment of an employee-employer relationship
- c) No employee shall purchase on behalf of the Township of Strong, any goods, services or construction, except in accordance with this by-law
- d) Where an employee involved in the award of any contract, either on his or her own behalf or while acting for, by with or through another person, has any pecuniary interest, direct or indirect, in the Contract, the employee:
 - i)shall immediately disclose the interest to Council and shall describe the general nature thereof;
 - ii)shall not take part in the Award of the Contract
 - iii)shall not attempt in any way to influence the Award of the Contract
 - iv)an employee has an indirect pecuniary interest in any contract.
- 5. All Council members shall conduct themselves in accordance with the *Municipal Conflict* of Interest Act, RSO 1990 c. M50 as amended.

6. TOTAL PROJECT COST:

Where this by-law prescribes financial limits on contracts that may be awarded on the authority of a Department Head, or provides for financial limits on contracts required to be reported to council, for the purpose of determining whether a contract falls within these prescribed limits, the contract amount shall be the sum of:

- a) all costs to be paid to the supplier under the contract; and
- b) all taxes,
- c) less any rebates.

7. PRESCRIBED COUNCIL APPROVAL

Despite any other provision of this by-law, the following contracts are subject to Council approval:

- a) any Contract requiring approval from the Ontario Municipal Board
- b) any Contract where the Total Acquisition Cost is greater than the Council approved Budget
- c) any Contract where an irregularity precludes the Award of a Contract to a supplier submitting the lowest bid
- d) any Contract where a Good, Service or Construction is available from only one source of supply and the Total Acquisition Cost of such Good, Service or Construction exceeds \$25,000,
- e) any Contract where the Request for Proposal method of purchase of Goods, Services or construction is being used and the estimated value of the goods, services of construction exceeds \$100,000
- f) when any Contract is required that involves financing and/or leasing.

PART V PROCUREMENT – PURCHASING PROCEDURES

Council shall establish purchasing procedures consistent with the purposes, goals and objectives set out in the by-law relating to:

b) a need is anticipated for a range of goods or goods, services for a specific purpose and for which convenience and location are major factors but the actual demand is not known at the outset

3. REQUEST FOR EXPRESSIONS OF INTEREST

A Department Head may conduct a request for expression of interest for the purposes of determining the availability of suppliers of Goods or Services and for the purpose of keeping a list of available suppliers.

4. PURCHASING METHODS/AUTHORIZED EXPENDITURE LIMITS

- 1) Sales taxes, excise taxes goods and services taxes and duties shall be excluded in determining the value of a contract for the supply of goods or services.
- 2) Where the requirement for goods or services has an estimated value not in excess of \$2,000.00, a Department Head on behalf of the department concerned, is empowered to sign for and to make the purchase on his own authority.

3) PURCHASES Over \$2,000.00 up to \$5,000.00 -

Where the requirement of goods or services is estimated to exceed \$2,000.00 but is less than \$5,000.00, the purchase may be made on the authority of the Department Head provided he has obtained three written quotations. The lowest quotation received may be acceptable, providing it meets all the specifications and all other prerequisites. Listings of all quotations received must be retained for inspection by the auditors, and by other officials such as the Treasurer. Where three written quotations cannot be obtained, approval to purchase must be given by the Treasurer/Council.

4) PURCHASES over \$5,000.00 up to \$10,000

Where the requirement for goods or services is estimated to exceed \$5,000.00 but is less than \$10,000.00 the Department Head shall follow the Request For Quotation procedure, however there may be requirements estimated at \$10,000.00 or less where it may be more appropriate to solicit bids using a Request for Proposal or a request for Tender.

The Request for Quotation is a bid solicitation where written quotes are obtained from suppliers without formal advertising or receipt of sealed bids.

Quotes may be requested from those suppliers who appear best qualified to meet the provisions of the quotation. An advertisement may be placed in the local newspaper at least once. The Department Head will request a minimum of two quotes, review the quotes to ensure compliance with the related procedures and established terms or conditions and prepare a written report for Council setting out the Lowest Compliant Bidder.

Final acceptance of the proposal must be by Council Resolution.

5) PURCHASES OVER \$10,001.00 UP TO \$50,000.00

Where the requirement for goods or services is estimated to exceed \$10,001.00 but is less than \$50,000.00 the Department Head shall follow the Request for Proposal procedure.

REQUESTS FOR PROPOSAL SHALL BE USED WHERE:

- a) owing to the nature of the requirement, suppliers are invited to propose a solution to a problem, requirement or objective and the selection of the supplier is based on the effectiveness of the proposed solution rather than on the price alone, or
- b) it is expected that negotiations with one or more bidders may be required with respect to any aspect of the requirement
- c) A request for proposal shall be issued by:
 - i) advertise in a local publication and/or advertise on municipal website.

Final acceptance of the proposal must be by Council Resolution

6. PURCHASES OVER \$50,001.00

Where the requirement for goods or services exceeds \$50,001.00 the Department Head shall follow the Request for Tender procedures.

A request for tender shall be used for purchases exceeding \$50,001.00 where all of the following

i) Final acceptance of Tenders must be by Resolution of Council.

4. IN HOUSE BIDS

In house Bids may be used for the procurement of Goods, Services or Construction in circumstances where Council considers it appropriate to do so.

PART VII GUARANTEE OF CONTRACT EXECUTION AND PERFORMANCE

A refundable deposit shall accompany the Tender Document of 10% of the Total Acquisition Cost

Once Contract is signed there shall be the means to guarantee execution and performance of the Contract in the form of a Certified cheque, bank draft, irrevocable letter of credit, money order in the amount of 100% of the Total Acquisition Cost for contracts over \$50,000.

Prior to the commencement of work, evidence of insurance coverage satisfactory to the Clerk must be obtained. The Township of Strong must be named as an additional insured on the Insurance Certificate, indemnifying the Township of Strong from any and all claims, demands, losses, costs or damages resulting form the performance of a Bidder's obligations under the contract and from any other risk determined by the Clerk as requiring coverage.

Prior to the commencement of work and prior to payment to a supplier, a Certificate of Clearance from the Workplace Safety and Insurance Board shall be obtained ensuring all premiums or levies have been paid to the Workplace Safety and Insurance Board to the date of payment.

PART VIII BIDS IN EXCESS OF PROJECT ESTIMATES

Council may enter into negotiations with the Lowest Compliant Bidder to achieve an acceptable Bid within the project estimate.

PART IX EMERGENCY PURCHASES

Where an emergency exists requiring the immediate procurement of goods, services or construction, a Department Head may purchase the required goods, services or construction by the most expedient and economical means, notwithstanding any other provisions of this by-law. A report to Council shall be made by the Department Head as soon as practicable thereafter.

PART X COOPERATIVE PURCHASING

The Township of Strong may participate with other government agencies or public authorities in cooperative purchasing where it is in the best interests of the Township of Strong to do so and where the purpose, goals and objectives of this by-law are complied with by such government agencies and public authorities

The policies of the government agencies or public authorities calling the cooperative bid solicitation are to be the accepted policy for that particular purchase.

PART XI IDENTICAL TENDERS

If the Lowest Compliant Bids from two or more bidders are identical in Total Acquisition Cost or unit price, Council is authorized to enter into negotiations with the bidders who have submitted the identical prices in an attempt to obtain a lesser price and shall maintain a record in respect of such

PART XII BID IRREGULARITIES

The process for administering irregularities contained in Bids pertaining to all Contracts shall be as set out in Schedule "C". For an irregularity listed in the first column of "Schedule C", the applicable response is set out opposite to the irregularity in the second column of "Schedule C".

PART XIII CONTRACTUAL AGREEMENT

Where it is determined that a formal agreement is required, the formal agreement shall be reviewed and approved for execution by our solicitor unless it is a standard form outlining Ministry Standards and Conditions.

PART XIV SURPLUS AND OBSOLETE GOODS

The goods shall be declared surplus by Council at a regular meeting and the means of disposal must be included in the Resolution to dispose: Public Tender, negotiated sale or transfer to another department.

No Council member or employee shall be permitted to received surplus or obsolete goods except by purchase by public tender.

PART XV ACCESS TO INFORMATION

The disclosure of information received relevant to the issue of Bid Solicitations or the Award of Contracts emanating from Bid Solicitations shall be in accordance with the provisions of the *Municipal Freedom of Information and Protection of Privacy Act, as amended.*

PART XVI BY – LAW REVIEW

The Review may be undertaken by an ad-hoc committee of council, the final result of which shall be comprised of a report to full Council.

PART XVII EFFECTIVE DATE

This By-law shall come into force and take effect on the 1st day of June 2011 By-law 2004-1492 shall be repealed.

READ A FIRST TIME AND SECOND TIME THIS 24th DAY OF May 2011 READ A THIRD TIME AND FINALLY PASSED THIS 24th DAY OF May 2011

 Chris Ellis, Mayor	
•	

Linda Maurer, Clerk/Treasurer

Procurement by-law #2011-017

SCHEDULE 'A'

The purchasing methods described in this by-law do not apply to the following Goods and Services

- 1. Training and Education
 - a) Registration and Tuition fees for conferences, conventions, courses and seminars
 - b) Magazines, books and periodicals
 - c) Memberships
- 2. Refundable Employee/councillor expenses
 - a) Advances
 - b) Meal Allowances
 - c) Travel and Entertainment
 - d) Miscellaneous non-travel
- 3. Employer's General Expenses
 - a) Payroll deductions remittances
 - b) Medical
 - c) Licenses (vehicle, firearms etc.)
 - d) Debenture payments
 - e) Grants to Agencies
 - f) Damage claims
 - g) Petty Cash replacement
 - h) Tax remittances
- 4. Professional and Special Services
 - a) Committee fees
 - b) Legal fees and Planning fees
 - c) Funeral and Burial expenses
 - d) Witness fees
 - e) Contracts related to the provision of "controlled acts" by persons governed by a health profession Act" as those expressions are used in the Regulated Health Professions Act, RSO 1991 c 18 as amended.
 - f) Veterinary Expenses
- 5. Utilities
- 6. Advertising services required by the Township of Strong on or in but not limited to Radio, TV, Newspaper and Magazine
- 7. Bailiff or collection agencies

PROCUREMENT BY- LAW #2011-017

SCHEDULE "B"

PURCHASING METHOD

Procedure	Cost of Goods or Services	
Approved Invoice or Petty Cash or Purchasing Card	Up to \$ 2,000.00	
Obtaining Three written quotations -	\$2001.00 to \$5,000.00	
Request for Quotation	\$5001.00 to \$10,000.00	
Request for Proposal	\$10,001.00 to \$50,000.00	
Request for Tender	\$50,001.00 and up	

PROCUREMENT BY-LAW #2011-017

SCHEDULE "C"

2 Insufficient Financial Security Automatic reject 3 Bids completed and/or signed in pencil Automatic reject	
	•
	ion
4 Bids in unsealed envelope Automatic reject	ion
5 All required sections of Bid document Automatic reject	ion unless in the consensual opinion of
not completed council the incom	nplete nature is trivial or insignificant
6 Qualified bids (bids qualified or Automatic reject)	ion unless in the consensual opinion of
	fication is trivial or insignificant
7 Bids received on documents other than Automatic rejects	ion
those provided or specified by township	
8 Bids containing minor obvious clerical 48 hours to corre	ect and initial errors
errors	
9 Document Execution – Corporate Seal 48 hours to rectif	fy the situation
or Signature missing – signatory's	
authority to bind the corporation or	
signature missing	
10 Document – Execution – Corporate seal Automatic rejects	ion
and signature missing	1 1
	l upon the consensual opinion of
which are not initialed council are insign	nificant
12 Changes other than the unit price	1 1
	l – upon the consensual opinion of
inconsistent with the changed total price council are insign	
14 Change in unit price and total is Automatic rejecti	ion it significant
inconsistent with the changed total price 15 Mathematical errors which are not 48 hours to initia	l corrections as made by the council
consistent with the unit price	in corrections as made by the council
16 Documents in which all necessary Automatic rejecti	ion
addenda which have financial	1011
implications, have not been	
acknowledged	
	n consensus shall have authority to
	gularities or grant 48 hours to initial
1 1	larities which they jointly consider to
be minor.	, , ,

APPENDIX F

Bridge Load Restriction By-Law – 2010-041

THE CORPORATION OF THE TOWNSHIP OF STRONG

BY-LAW NO. 2010-041

Being a by-law to restrict the weight of vehicles <u>Passing over the Bridges under the Township of Strong Jurisdiction</u>

WHEREAS Section 123(2) of the Highway Traffic Act, Chapter H8, R.S.O. 1990, provides that the Municipal Corporation or other authority having jurisdiction over the Bridges may be By-law limit the gross weight of any vehicle or any class thereof passing over the Bridge;

AND WHEREAS the Corporation of the Township of Strong deems it necessary and expedient to limit the weight of vehicles passing over the Bridges in the Township of Strong;

NOW THEREFORE the Council of the Corporation of the Township of Strong hereby enacts the following:

No Vehicle or combination of vehicles or any class thereof whether empty or loaded, shall be operated over the Bridge in the Township of Strong in the following location with weight in excess of:

BROOKSIDE ROAD – BRIDGE CON. 7, LOT 7
PART LOT 6.
20 TONNES

- 1. Any person violating the provisions of the By-law shall be subject to the penalties provided in Section 124 of the Highway Traffic Act.
- 2. This By-law shall not become effective until the Limit of Weight Signs have been posted in a conspicuous place at each end of the Bridge.

READ A FIRST AND SECOND TIME THIS 26^{TH} DAY OF OCTOBER 2010

AS READ A THIRD TIME AND FINALLY PASSED IN OPEN COUNCIL ON A MOTION BY: Merlyn Snow AND SECONDED BY: J. D. Newstead THIS 26TH DAY OF OCTOBER 2010.

MAYOR, STEPHEN RAWN

CLERK/TREASURER LINDA MAURER

Seal

Certified to be a true copy Of By-law 2010-041 passed In open council this 26th Day of October 2010.