



The Corporation of the City of Temiskaming Shores
Regular Meeting of Council
Tuesday, November 17, 2020 – 6:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

Agenda

1. **Call to Order**
2. **Roll Call**
3. **Review of Revisions or Deletions to Agenda**
4. **Approval of Agenda**

Draft Motion

Be it resolved that City Council approves the agenda as printed / amended.

5. **Disclosure of Pecuniary Interest and General Nature**
6. **Review and adoption of Council Minutes**

Draft Motion

Be it resolved that City Council approves the following minutes as printed:

- a) Regular meeting of Council – November 3, 2020.

7. **Public Meetings pursuant to the Planning Act, Municipal Act and other Statutes**

None

8. **Question and Answer Period**

9. **Presentations / Delegations**

a) Sergeant Kelly Withrow, Ontario Provincial Police

Re: Ontario Provincial Police Contract Renewal

b) James Franks, Economic Development Officer

Re: Culinary Tourism Project Update

10. **Communications**

a) Ontario Ombudsman

Re: 2019-2020 Annual Report – Facts and Highlights

Reference: Received for Information

b) Little Claybelt Homesteaders Museum

Re: Claybelt Spreader, November 2020

Reference: Received for information

- c) Matt MacDonald, Director of Corporate Services/ City Clerk - City of Bellville

Re: Support - Accessibility for Ontarians with Disabilities Act, Website Upgrades, 2020-10-28

Reference: Received for Information

- d) Catalina Blumenberg, Clerk - County of Prince Edward

Re: Support regarding changes to Bill 218, Supporting Ontario's Recovery and Municipal Elections Act, 2020-11-03

Reference: Received for Information

- e) Danny Whalen, President – The Federation of Northern Ontario Municipalities (FONOM)

Re: Media Release – 2021 Ontario Municipal Partnership Funding (OMPF), 2020-11-03

Reference: Received for Information

- f) Town of Grimsby

Re: Support - Proposed Regulation under the Ontario Heritage Act (Bill 108)

Reference: Received for Information

- g) Fred Eisenberger, Mayor - City of Hamilton

Re: Support – Amending the AGCO Licensing and Application Process for Cannabis Retail Stores to Consider Radial Separation from Other Cannabis Locations, 2020-11-06

Reference: Received for Information

- h) Municipal Court Managers Association of Ontario (MCMA)
Re: Provincial Offences Act (POA) Modernization, 2020-11-06
Reference: Motion to be presented under New Business
- i) Mercedes Labelle, Northern Policy Institute
Re: Picture Yourself Here: An Economic Snapshot of Temiskaming Shores
Reference: Received for Information
- j) John Vanthof, MPP Timiskaming-Cochrane
Re: Bill 226 -The Broadband is an Essential Service Act, 2020-11-06
Reference: Motion to be presented under New Business
- k) Doug Jelly, Board Chair - District of Timiskaming Social Services Administration Board
Re: 2021 Rent Freeze, 2020-11-09
Reference: Received for Information
- l) Lesley Kaross, COVID-19 Media Relations Officer
Re: Temiskaming Hospital Board Announces Retirement of Two Members, 2020-11-09
Reference: Received for Information
- m) Matt MacDonald, Director of Corporate Services/ City Clerk - City of Bellville
Re: Bill 218 - Proposing Changes to the Municipal Elections Act - Extension of Nomination Period, 2020-11-10
Reference: Received for Information

- n) Tanya Daniels, City Clerk – City of Brantford

Re: Bill 218 - Ranked Ballots for Municipal Elections, 2020-11-12

Reference: Received for Information

Draft Motion

Be it resolved that City Council agrees to deal with Communication Items 10. a) to 10. n) according to the Agenda references.

11. Committees of Council – Community and Regional

Draft Motion

Be it resolved that the following minutes be accepted for information:

- a) Minutes of the Temiskaming Shores Development Corporation meeting held on October 7, 2020.

12. Committees of Council – Internal Departments

None

13. Reports by Members of Council

14. Notice of Motions

15. New Business

- a) **Support - Municipal Court Managers Association of Ontario (MCMA) – Provincial Offences Act Modernization**

Draft Motion

Whereas the Provincial Offences Act (POA) Courts play an integral role in the Ontario Court of Justice (OCJ) system with an average 1.5 million POA hearing events held across the province annually; and

Whereas during the pandemic, the current OCJ order extending most time limitations under the POA and the suspension of in-person proceedings has created additional unanticipated pressures on the POA court system; and

Whereas without significant improvements and a system that promotes greater flexibility and innovation, municipalities are at a disadvantage to move forward; and

Whereas partner municipalities have demonstrated their ability over the last 20 years to deliver excellence in court services and respond to the local needs of court users; and

Whereas the pandemic has amplified the concern's municipalities have long had with the operations of the POA courts, with a need for:

- Advancement of modernization through an organized measured partnership approach;
- Demonstration of equal partnership and sharing of responsibility through meetings between the municipal leaders, the Premier, the Attorney General and the Minister of Transportation to discuss the current issues at POA courts across the province; and
- Urgent legislative and regulatory reforms.

Now therefore be it resolved that Council for the City of Temiskaming Shores hereby supports the Municipal Court Managers Association of Ontario's (MCMA) call on the Province to:

- Provide support to municipalities related to COVID-19 related backlogs;
- Provide solutions to improve access to justice;
- Create a sustainable justice system through the enforcement of court ordered fines, and decreasing costs to POA; and
- Improve partnership to streamline and modernize provincial offences court program.

b) Support – Bill 226 -The Broadband is an Essential Service ActDraft Motion

Whereas on November 5, 2020, John Vanthof, MPP Timiskaming-Cochrane Nipissing, tabled *The Broadband is an Essential Service Act (Bill 226)*, which would legislate the provincial government to develop and implement a high-speed internet strategy to ensure 95 percent of Ontarians have internet access by 2026 and the remaining 5 percent of Ontarians by 2030.

Now therefore be it resolved that Council for the Corporation of the City of Temiskaming Shores hereby supports *Bill 226 – The Broadband is an Essential Service Act*, which will be debated for second reading on November 26, 2020; and

That a copy of this resolution be forwarded to the Honourable Laurie Scott, Minister of Infrastructure and John Vanthof, MPP Timiskaming-Cochrane Nipissing.

c) Approval of Council Meeting Schedule – January 2021 to July 2021Draft Motion

Whereas By-law 2008-160, as amended indicates that Regular Meetings of Council shall be held on the first and third Tuesdays of each month commencing at 6:00 p.m. unless otherwise decided by Council; and

Now therefore be it resolved that Council does hereby confirm the following schedule of meetings for the months of January 2021 to July 2021:

Tuesday, January 5, 2021	Regular Meeting
Tuesday, January 19, 2021	Regular Meeting
Tuesday, February 2, 2021	Regular Meeting
Tuesday, February 16, 2021	Regular Meeting
Tuesday, March 2, 2021	Regular Meeting
Tuesday, March 16, 2021	Regular Meeting
Tuesday, April 6, 2021	Regular Meeting
Tuesday, April 20, 2021	Regular Meeting
Tuesday, May 4, 2021	Regular Meeting
Tuesday, May 18, 2021	Regular Meeting
Tuesday, June 1, 2021	Regular Meeting
Tuesday, June 15, 2021	Regular Meeting

d) Memo No. 024-2020-CS – Municipal Benefits Renewal

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 024-2020-CS for information purposes.

e) Memo No. 025-2020-CS – Tax Arrears Certificate Extension Agreement

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 025-2020-CS; and

That Council delegates authority to the Treasurer to enter into extension agreements under Section 378(1) of the Municipal Act.

f) Administrative Report No. CS-042-2020 – Lease Agreement – Dr. Peter Hutten Czapski

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-042-2020; and

That Council directs staff to prepare the necessary by-law to enter into a lease agreement with Doctor Peter Hutten Czapski, for the rental of 648 square feet of office space in the Haileybury Medical Centre from January 1, 2021 to December 31, 2024, at a rate of \$14.10 per square foot plus HST, and to apply a 2 percent annual increase for the term of the lease, for consideration at the November 17, 2020 Regular Council meeting.

g) Administrative Report No. CS-043-2020 – City of Temiskaming Shores Emergency Response Plan

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-043-2020;

That Council approves Appendix “01” of the Emergency Response Plan for the City of Temiskaming Shores as presented; and

That Council directs staff to repeal By-law 2004-132 as amended, and prepare the necessary by-law to adopt a revised Emergency Response Plan for consideration at the November 17, 2020 Regular Council meeting.

h) Administrative Report No. CS-044-2020 – City of Temiskaming Shores Tax Collection

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-044-2020; and

That Council directs the Treasurer to proceed with tax collection as per the City's Tax Policy effective January 1, 2021.

i) Administrative Report No. CS-045-2020 – City of Temiskaming Shores Tax Collection – TAC Properties

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-045-2020; and

That Council directs the Treasurer to proceed with the sale of land by public tender as per the City's Tax Policy for properties that had TAC registrations in 2019.

j) Administrative Report No. LIB-002-2020 – Trillium Resilient Communities Fund

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report LIB-002-2020; and

That Council approve a funding application to the Ontario Trillium Foundation's Resilient Communities Fund.

k) Administrative Report No. PW-025-2020 – 2020 Bridge and Culvert Inspection Program

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-025-2020; and

That Council hereby directs staff to place the 2020 Inspection Report in the Bi-annual Bridge Inspections Binder located at the municipal office (325 Farr Drive) and on the municipal website.

l) Administrative Report No. PW-026-2020– Equipment Rental – Excavator

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. PW-026-2020; and

That Council directs staff to prepare the necessary by-law to amend By-Law No. 2019-016 with Pedersen Construction (2013) Inc., to permit an extension to the agreement Term, for the Equipment Rental Excavator c/w Operator for Water/Sewer Breaks and repairs at the following rental rates, plus applicable taxes:

Description	Regular Rate	After Hour Rate
Float Time	\$145.00/ hour	\$185.00/ hour
Breaker Attachment	\$235.00/ hour	\$275.00/ per hour
Excavation Time	\$140.00/ hour	\$180/ hour

for consideration at the November 17th, 2020, regular meeting of Council.

m) Administrative Report No. RS-010-2020– Memorial Bench and Tree Policy

Draft Motion

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-010-2020; and

That Council directs staff to repeal by-law 2013-088 and to prepare the necessary by-law to adopt a Memorial Bench and Tree Policy for consideration at the regular meeting of Council of November 17, 2020.

16. By-laws

Draft Motion

Be it resolved that:

- | | |
|---------------------|--|
| By-law No. 2020-111 | Being a by-law to authorize a lease agreement with Dr. Peter Hutten-Czapski for the rental of space at the Haileybury Medical Centre |
| By-law No. 2020-112 | Being a by-law to adopt an Emergency Management Program for the City of Temiskaming Shores |
| By-law No. 2020-113 | Being a by-law to amend By-law No. 2019-016 to enter into an agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator and Operator for Water Break repairs at various locations within the City of Temiskaming Shores |
| By-law No. 2020-114 | Being a By-law to adopt a Memorial Bench and Tree Policy for the City of Temiskaming Shores |

be hereby introduced and given first and second reading.

Draft Motion

Be it resolved that:

By-law No. 2020-111;
By-law No. 2020-112; and
By-law No. 2020-113; and
By-law No. 2020-114

be given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

17. Schedule of Council Meetings

- a) Regular – Tuesday, December 1, 2020 at 6:00 p.m.
- b) Regular – Tuesday, December 15, 2020 at 6:00 p.m.

18. Question and Answer Period

19. Closed Session

Draft Motion

Be it resolved that Council agrees to convene in Closed Session at _____ p.m. to discuss the following matters:

- a) Adoption of the October 6, 2020 – Closed Session Minutes
- b) Under Section 239 (2) (d) of the Municipal Act, 2001 – Labour relations or employee negotiations – Collective Agreement Negotiations

Draft Motion

Be it resolved that Council agrees to rise with report from Closed Session at _____ p.m.

20. Confirming By-law

Draft Motion

Be it resolved that By-law No. 2020-115 being a by-law to confirm certain proceedings of Council of The Corporation of the City of Temiskaming Shores for its Regular meeting held on November 17, 2020 be hereby introduced and given first and second reading.

Draft Motion

Be it resolved that By-law No. 2020-115 be given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

21. Adjournment

Draft Motion

Be it resolved that City Council adjourns at _____ p.m.

Mayor- Carman Kidd

Clerk - Logan Belanger



The Corporation of the City of Temiskaming Shores
Regular Meeting of Council
Tuesday, November 3, 2020 – 6:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

Minutes

1. Call to Order

The meeting was called to order by Mayor Kidd at 6:00 p.m.

2. Roll Call

Council: Mayor Carman Kidd; Councillors Jesse Foley, Patricia Hewitt,
Doug Jelly, Mike McArthur and Danny Whalen
Present: Christopher Oslund, City Manager
Logan Belanger, Municipal Clerk
Kelly Conlin, Deputy Clerk
Shelly Zubycck, Director of Corporate Services
Mathew Bahm, Director of Recreation
Brad Hearn, IT Administrator
Steve Burnett, Manager of Environmental Services
Mitch Lafreniere, Manager of Transportation Services
Regrets: Councillor Jeff Laferriere

Members of the Public Present: 1

3. Review of Revisions or Deletions to Agenda

None.

4. Approval of Agenda

Resolution No. 2020-498

Moved by: Councillor McArthur

Seconded by: Councillor Jelly

Be it resolved that City Council approves the agenda as printed.

Carried

5. Disclosure of Pecuniary Interest and General Nature

None.

6. Review and adoption of Council Minutes

Resolution No. 2020-499

Moved by: Councillor Foley

Seconded by: Councillor Jelly

Be it resolved that City Council approves the following minutes as printed:

- a) Regular meeting of Council – October 20, 2020.

Carried

7. Public Meetings pursuant to the Planning Act, Municipal Act and other Statutes

None.

8. Question and Answer Period

None.

9. **Presentations / Delegations**

- a) Erika Aelterman, Timiskaming Health Unit

Re: Timiskaming Active School Travel Charter

Ms. Erika Aelterman began the presentation requesting Council to strengthen their support of active and safe routes to school, by endorsing the Timiskaming Health Unit's Active School Travel Charter. Ms. Aelterman provided an overview of the Active School Travel Project and associated data collection. The project was made possible using grant money through the Green Communities Canada fund, with an emphasis on healthier children, less traffic and pollution, safer school zones, and better academic performance. Their goal is to promote cycling to school as an easy and safe choice for more families in Timiskaming. The Charter is built on a statement of principles that recognize the value of active travel for the journey to school; it has no legal status, but guides partners to consider how decisions impact active travel. The Charter development included input from stakeholders, such as from municipalities, school boards, school bus representatives, and the Ministry of Transportation. The four principles of the charter were reviewed including promoting: 1) Walking & Cycling Culture; 2) Partnership Collaboration & Shared Responsibility; 3) Street Design for Comfort Convenience & Safety for All; and 4) Supportive Land Use & Site Planning. Ms. Aelterman commented that the City of Temiskaming Shores is well positioned to continue supporting active travel to get around the community, and the THU is committed to supporting project partners in Charter implementation now and into the future. The THU will continue to lead the project, with a goal to develop school travel plans for all local elementary schools, and will support community-wide travel through education campaigns and partner collaboration. In addition, the THU will support investments to boost travel and will assist municipalities to prepare funding applications, as well as consult on policy or infrastructure changes. The Charter is meant to serve as a guiding document, and layout a district wide approach.

Councillor Whalen commented that there should be an emphasis on education for use of active trails, as the downtown infrastructure was designed for traffic when it was originally constructed.

Mayor Kidd thanked Ms. Aelterman for the presentation and commented that the material was also presented to the Recreation Committee for their comments and input as well.

Resolution No. 2020-500

Moved by: Councillor McArthur

Seconded by: Councillor Foley

Be it resolved that the Corporation of The City of Temiskaming Shores hereby endorses the Timiskaming Active School Travel Charter and commits to working alongside our community partners to uphold the principles outlined in the Charter.

Carried

10. Communications

- a) Harry Hughes, Mayor – Township of Oro Medonte

Re: Support - Request for Support from Mount St. Louis Moonstone/ Skyline Horseshoe Resort and Hardwood Ski & Bike for their efforts to Declare Snowsports, Skiing and snowboarding as essential services in Stage 2, 2020-10-21

Reference: Received for Information

- b) Guy Desjardins, Mayor – City of Clarence-Rockland

Re: Support – Modify the regulations governing the establishment of cannabis retail stores, 2020-10-22

Reference: Received for information

- c) Earlton-Temiskaming Regional Airport

Re: Financial Statements and Manager's Report: July 2020 to September 2020

Reference: Received for Information

- d) Agnico Eagle

Re: Support Memo – Field Work Reclamation, 2020-10-28

Reference: Received for Information

Resolution No. 2020-501

Moved by: Councillor Whalen

Seconded by: Councillor Jelly

Be it resolved that City Council agrees to deal with Communication Items 10. a) to 10. d) according to the Agenda references.

Carried

11. Committees of Council – Community and Regional

Resolution No. 2020-502

Moved by: Councillor Foley

Seconded by: Councillor Jelly

Be it resolved that the following minutes be accepted for information:

- a) Minutes of the Earlton-Timiskaming Regional Airport Authority (ETRAA) meeting held on July 16, 2020;
- b) Minutes of the Temiskaming Shores Public Library Board meeting held on September 16, 2020;
- c) Minutes of the Police Service Board meeting held on October 19, 2020;
- d) Minutes of the Recreation Committee meeting held on October 19, 2020; and
- e) Minutes of the Temiskaming Transit Committee meeting held on October 15, 2020.

Carried

12. Committees of Council – Internal Departments

Resolution No. 2020-503

Moved by: Councillor Foley

Seconded by: Councillor Jelly

Be it resolved that the following minutes be accepted for information:

- a) Minutes of the Building Maintenance Committee meeting held on October 8, 2020;

- b) Minutes of the Protection to Persons and Property Committee meeting, held on October 8 2020; and
- c) Minutes of the Public Works Committee meeting, held on October 8, 2020.

Carried

13. Reports by Members of Council

Councillor McArthur requested continued support for the Timiskaming Health Unit's Mandatory Masking initiative for the safety of everyone in our City and District.

Mayor Kidd commented that the Ministry of Transportation released an online survey, on the need for rail and bus services, and emphasized the importance of providing feedback.

Mayor Kidd updated that the City's new website was launched, and is an easier site to navigate.

Councillor Whalen inquired about the purchase of six hotspots for the library, and what control protocols are in place. Brad Hearn, IT Administrator commented that the City has the ability to deactivate the hotspots if they are not returned.

14. Notice of Motions

None.

15. New Business

a) Support – 2020 Victims and Survivors of Crime Awareness Week

Resolution No. 2020-504

Moved by: Councillor Whalen

Seconded by: Councillor McArthur

Whereas "Recognizing Courage, Renewing Commitment" is the theme of the 2020 Victims and Survivors of Crime Awareness Week, which will take place virtually from November 22-28, 2020; and

Whereas the initiative raises awareness about issues facing victims of crime, and the services, programs, and laws in place to help victims and their families;

Now therefore be it resolved that Council for the City of Temiskaming Shores hereby proclaims the week of November 22-28, 2020 as “Victims and Survivors of Crime Awareness Week” in the City of Temiskaming Shores; and

That we can all help shape a future in which victims and survivors of crime are treated with the compassion, courtesy, and respect they deserve.

Carried

b) Support – Reform to the Municipal Insurance Policy

Resolution No. 2020-505

Moved by: Councillor Jelly

Seconded by: Councillor Foley

Be it resolved that Council for the Corporation of the City of Temiskaming Shores hereby supports the letter dated October 9, 2020, for the Township of Lake of Bays to the Premier of Ontario, regarding Reform to the Municipal Insurance Policy; and

That a copy of this resolution be forwarded to the Honourable Doug Ford, Premier of Ontario; the Honourable Anthony Rota, MP for Nipissing-Timiskaming; John Vanthof, MPP for Timiskaming Cochrane; the Federation of Northern Ontario Municipalities (FONOM), the Association of Municipalities of Ontario (AMO) and the Township of Lake of Bays.

Carried

c) Approval of Attendance at the 2021 Rural Ontario Municipal Association Conference

Resolution No. 2020-506

Moved by: Councillor Whalen

Seconded by: Councillor Foley

Be it resolved that Council for the City of Temiskaming Shores approves the attendance of **Mayor Kidd** and **Doug Jelly** at the virtual Rural Ontario Municipal Association (ROMA) Conference, scheduled for January 25 to January 26, 2021; and

That Council acknowledges that **Councillor Whalen** will also be attending the virtual ROMA Conference as President of the Federation of Northern Ontario Municipalities (FONOM); and

Further be it resolved that registration and expenses incurred for attending the conference be covered in accordance to the Municipal Business Travel and Expense Policy.

Carried

d) January to October 2020 Year-to-Date Capital Financial Report

Resolution No. 2020-507

Moved by: Councillor Foley

Seconded by: Councillor McArthur

Be it resolved that the Council of the City of Temiskaming Shores hereby acknowledges receipt of the January to October 2020 Year-to-Date Capital Financial Report for information purposes.

Carried

e) Memo No. 021-2020-CS – Policing Contract Renewal

Resolution No. 2020-508

Moved by: Councillor Jelly

Seconded by: Councillor Foley

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 021-2020-CS; and

That Council directs staff to prepare the necessary by-law to enter into a five-year agreement with the Ministry of Community Safety and Correctional Services for the provision of Police Services, for consideration at the November 17, 2020 regular Council meeting.

Resolution No. 2020-508-1

Moved by: Councillor McArthur

Seconded by: Councillor Foley

Be it resolved that Resolution No. 2020-508 be deferred until the Ontario Provincial Police provide a presentation to Council regarding the 2021-2025 Policing Contract renewal.

Carried

- f) **Memo No. 022-2020-CS – Request for Delegation – Civil Marriage Solemnizations – Christopher W. Oslund**

Resolution No. 2020-509

Moved by: Councillor Jelly

Seconded by: Councillor Foley

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 022-2020-CS; and

That Council hereby approves the Clerk's delegation of authority to Christopher W. Oslund for the provision of civil marriage solemnization services in the Province of Ontario.

Carried

- g) **Memo No. 023-2020-CS – Amendment to By-law No. 2019-139 (FedNor) Culinary Tourism Strategy for the Lake Temiskaming Tour**

Resolution No. 2020-510

Moved by: Councillor Hewitt

Seconded by: Councillor Foley

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 023-2020-CS; and

That Council direct staff to prepare the necessary by-law to amend By-law No. 2019-139 "being a funding agreement with Her Majesty the Queen in Right of Canada as represented by the Ministry of Industry – FedNor to implement a Culinary Tourism Strategy for the Lake Temiskaming Tour, for consideration at the November 3, 2020 Regular Council meeting.

Carried

h) Administrative Report No. CS-041-2020 – Agreement with 2344 Royal Canadian Army Cadet Corps for the use of Various Municipal Facilities

Resolution No. 2020-511

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-041-2020; and

That Council directs staff to prepare the necessary by-law to enter into a lease agreement with the 2344 Royal Canadian Army Cadet Corps effective September 1, 2020 to August 31, 2023, for consideration at the November 3rd, 2020 Regular Council Meeting.

Carried

i) Administrative Report No. PPP-011-2020 – Air Compressor Maintenance Agreement

Resolution No. 2020-512

Moved by: Councillor McArthur

Seconded by: Councillor Jelly

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PPP-011-2020; and

That Council directs staff to prepare the necessary by-law to enter into a maintenance agreement between the City of Temiskaming Shores and the Towns of Cobalt and Latchford; the Townships of Casey, Coleman, and Harley; and the Municipality of Temagami; for the joint maintenance of a breathable air compressor, for consideration at the November 3, 2020 Regular Council meeting.

Carried

j) Memo No. 014-2020-RS – City of Temiskaming Shores Greenhouse Gas Reduction Plan

Resolution No. 2020-513

Moved by: Councillor Whalen

Seconded by: Councillor Foley

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 014-2020-RS; and

That Council directs staff to release the Greenhouse Gas Reduction Plan to complete a public consultation period from November 4, 2020 until December 4, 2020, and return the plan for consideration at the December 15, 2020 Regular Council meeting.

Carried

k) Administrative Report No. LIB-01-2020 - Emergency Community Fund Grant

Resolution No. 2020-514

Moved by: Councillor McArthur

Seconded by: Councillor Foley

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. LIB-01-2020 for information purposes.

Carried

16. By-laws

Resolution No. 2020-515

Moved by: Councillor Jelly

Seconded by: Councillor Foley

Be it resolved that:

By-law No. 2020-106 Being a by-law to amend By-Law No. 2011-031 (Removal of Deputy Clerk Appointment for Christopher Oslund)

By-law No. 2020-107 Being a by-law to amend By-law No. 2019-139 (FedNor funding agreement for the implementation of a Culinary

Tourism Strategy for the Lake Temiskaming Tour – Project No. 851-512497)

By-law No. 2020-108 Being a by-law to enter into an agreement with 2344 Royal Canadian Army Cadet Corps (RCACC) for the use of space at the New Liskeard Community Hall

By-law No. 2020-109 Being a by-law to enter into a Maintenance Agreement between the City of Temiskaming Shores and the Towns of Cobalt and Latchford, the Townships of Casey, Coleman, and Harley, and the Municipality of Temagami for the joint maintenance of a breathable air compressor

be hereby introduced and given first and second reading.

Carried

Resolution No. 2020-516

Moved by: Councillor McArthur

Seconded by: Councillor Foley

Be it resolved that:

By-law No. 2020-106;
By-law No. 2020-107;
By-law No. 2020-108; and
By-law No. 2020-109;

be given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

Carried

17. Schedule of Council Meetings

- a) Regular – Tuesday, November 17, 2020 at 6:00 p.m.
- b) Regular – Tuesday, December 1, 2020 at 6:00 p.m.

18. Question and Answer Period

Shelly Zubyck, Director of Corporate Services read the following questions/ comments received in the online Chat Box:

1. Will there be consideration on the installation of a bus shelter at the Mall?

Christopher Oslund, City Manager, commented that a letter was sent to the Timiskaming Plaza requesting a bus shelter. It is a work in progress, and the City is working on a temporary solution during the upcoming winter months, until a permanent structure can be established.

2. Would Council consider live-streaming Committee meetings?

Mayor Kidd commented that the City does not have the technology to begin live-streaming committee meetings; however, will investigate the feasibility. Councillor McArthur clarified that the committees review items and make recommendations for Council consideration.

3. Transit riders should be wearing masking upon entering the bus.

Masks are mandatory on the transit busses, and the matter will be reviewed by the Transit Committee.

Masks are made available on the transit busses for those who require a face covering. In addition, the City purchased reusable masks for regular transit customers early-on in the pandemic.

Mayor Kidd recognized that Remembrance Day is approaching and encouraged everyone to observe a moment of silence to honour those who have served, and those who continue to serve. Councillor Jelly provided an update on Remembrance Day ceremonies and poppy sales, during the COVID-19 pandemic.

Councillor McArthur stated that he has been asked if there will be a Santa Claus parade this year? Mayor Kidd commented that traditional parades are not permitted under the current health unit guidelines.

19. Closed Session

None

20. Confirming By-law

Resolution No. 2020-517

Moved by: Councillor Jelly

Seconded by: Councillor Foley

Be it resolved that By-law No. 2020-110 being a by-law to confirm certain proceedings of Council of The Corporation of the City of Temiskaming Shores for its Regular meeting held on November 3, 2020 be hereby introduced and given first and second reading.

Carried

Resolution No. 2020-518

Moved by: Councillor Whalen

Seconded by: Councillor McArthur

Be it resolved that By-law No. 2020-110 be given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

Carried

21. Adjournment

Resolution No. 2020-519

Moved by: Councillor McArthur

Seconded by: Councillor Jelly

Be it resolved that City Council adjourns at 6:58 p.m.

Carried

Mayor- Carman Kidd

Clerk - Logan Belanger



Ontario Provincial Police

The City of Temiskaming Shores

Contract renewal for OPP municipal policing services

November 17, 2020





Outline

- OPP annual expenditures
- OPP Billing Model
- OPP municipal policing cost trends
- OPP contract renewal process
- Community Safety and Policing Act, 2019



Ontario Provincial Police: Resources (2019)

MUNICIPAL POLICING RESOURCES

Detachment Staff****

- Supervision
- Frontline Constable
- Civilian Administrative and Support

Support Positions****

- Communication Operators
- Prisoner Guards
- Provincial Police Academy and In-Service Training
- Uniform Recruitment
- Municipal Policing Bureau
- Quality Assurance
- Forensic Identification
- IT and Telephone Support
- Regional Headquarters

PROVINCIAL / SPECIALIZED RESPONSIBILITIES

Traffic Safety

- Aircraft Enforcement
- Provincial Traffic Safety Program
- Snowmobile All-Terrain Vessel Enforcement
- Waterways and King's Highway

Investigations

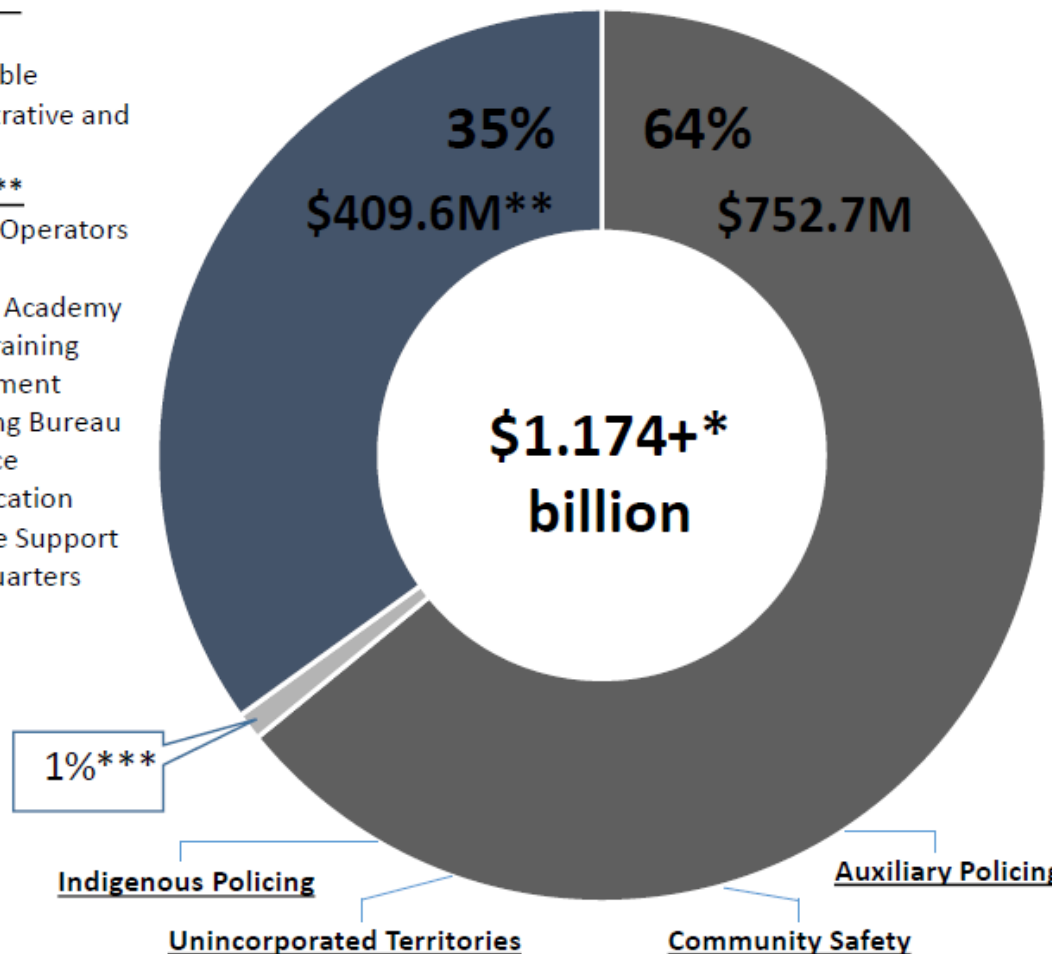
- Criminal Investigations
- Child Sexual Exploitation Investigations
- Anti-Rackets
- Organized Crime
- Investigation and Support

Intelligence

- Covert Operations
- Provincial Anti-Terrorism and Hate Crimes
- Analysis and Information
- Field Intelligence

Specialized Response Teams

- Tactical Emergency Medical Services
- Aviation Services
- Canine Unit
- Emergency Response Team
- Negotiations
- Tactics and Rescue Unit
- Underwater Search and Recovery Unit
- Urban Chemical Response Team



*OPP total does not include statutory appropriations and is based on 2018-2019 actuals

** OPP municipal policing estimated cost for 2019 (excluding recoveries for amalgamated municipalities)

***\$11.7M recoveries (including one-time initial cost) for policing services provided to municipalities amalgamated after January 1, 2015

****Municipalities are billed for the portion of detachment and support positions required to meet their service demands



PROVINCIAL / SPECIALIZED RESPONSIBILITIES





MUNICIPAL POLICING RESOURCES

Detachment Staff*

- Supervision
- Frontline Constables
- Civilian Administrative and Support

Support Positions*

(Cost-Recovery Formula)

- Communication Operators
- Prisoner Guards
- Provincial Police Academy and In-Service Training
- Uniform Recruitment
- Municipal Policing Bureau
- Quality Assurance
- Forensic Identification
- IT and Telephone Support
- Regional Headquarters

\$409.6million

35%

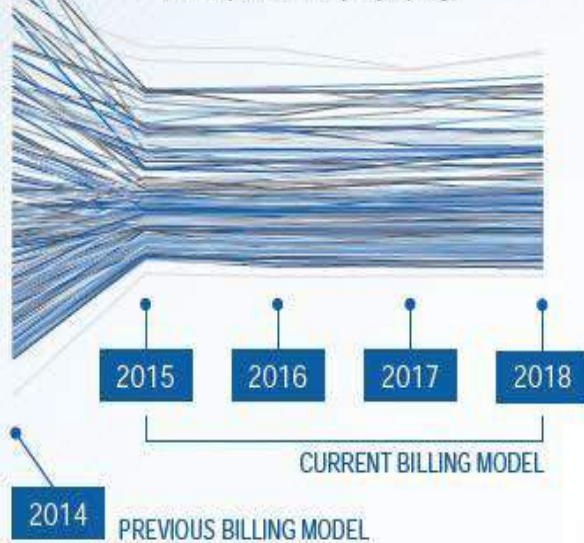
*Municipalities are billed for the portion of detachment and support positions required to meet their service demands



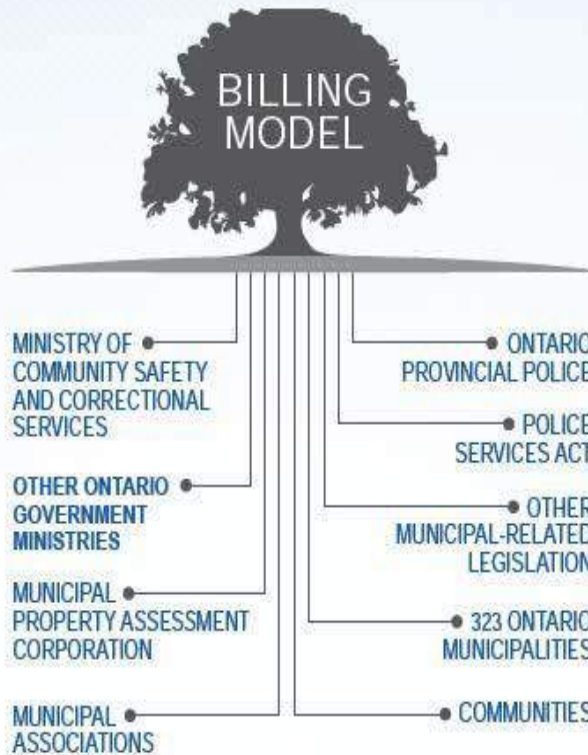
OPP Billing Model

BILLING MODEL IMPACT

(municipalities cost per property)



FAIR



TRANSPARENT

REACHING OUT

CONFERENCES

WEBINARS

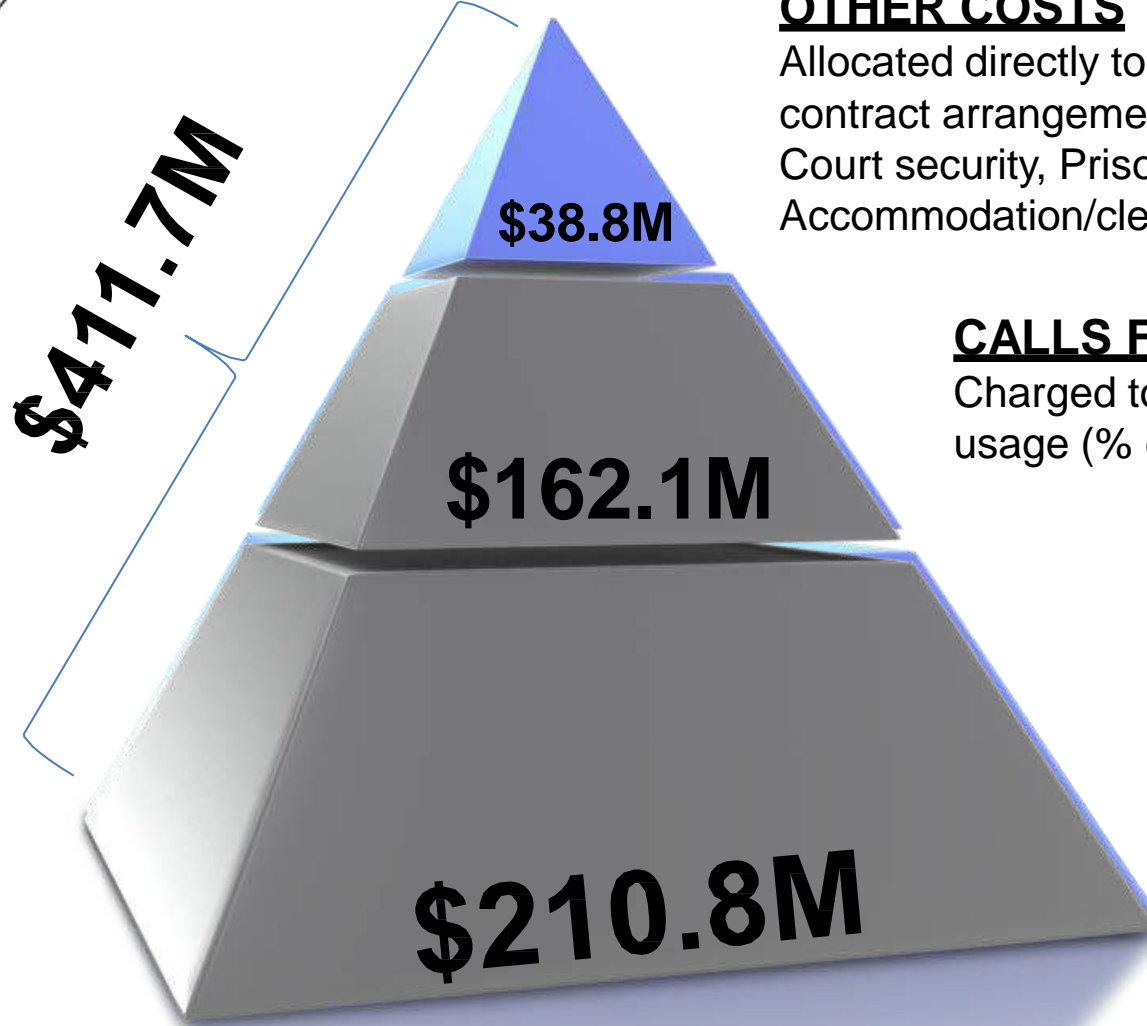
CFS BILLING SUMMARY REPORT

MEETINGS

WWW.OPP.CA/BILLINGMODEL



Ontario Provincial Police



OTHER COSTS

Allocated directly to municipalities based on contract arrangements and usage, i.e. Overtime, Court security, Prisoner transportation, Accommodation/cleaning and Enhancements.

CALLS FOR SERVICE (CFS) COST

Charged to municipalities according to their usage (% of provincial CFS cost)

BASE SERVICE COST

Allocated among municipalities on an equal per property basis
\$183.23 per property (2020)

2020 OPP Municipal Cost-Recovery

Note: Cost net of recoveries for policing services provided to municipalities amalgamated after January 1, 2015 and O.Reg. 267/14 discount



OPP Municipal Cost Recovery

The billing model is **PROVINCIAALLY FOCUSED** and divides the majority of municipal policing costs into two categories.

Base Service

Allocate among municipalities on an
equal per-property basis

(households, commercial and industrial properties)

- Legislated activities (e.g., crime prevention, officer availability to respond to emergency calls for service 24 hours a day, general and directed patrol, victim assistance, etc.)
- Proactive policing (e.g., RIDE, traffic safety, community policing, intelligence gathering etc.)
- Officer training and administrative duties
- All Inspector and Staff Sergeant positions

+

Calls for Service

Allocate the costs to municipalities based
on their individual usage level

- Crime calls (assaults, break & enter, mischief, drug offences, etc.)
- Provincial Statutes (Mental Health Act, Trespass to Property Act, landlord/tenant disputes, etc.)
- Motor vehicle collisions (property damage, personal injury, fatal, etc.)
- General calls for service (false alarms, lost property, missing person, etc.)
- Does not include incidents normally generated through proactive policing

Additional Costs

Municipalities billed on their specific usage:

Overtime Court security Cleaning/Caretakers

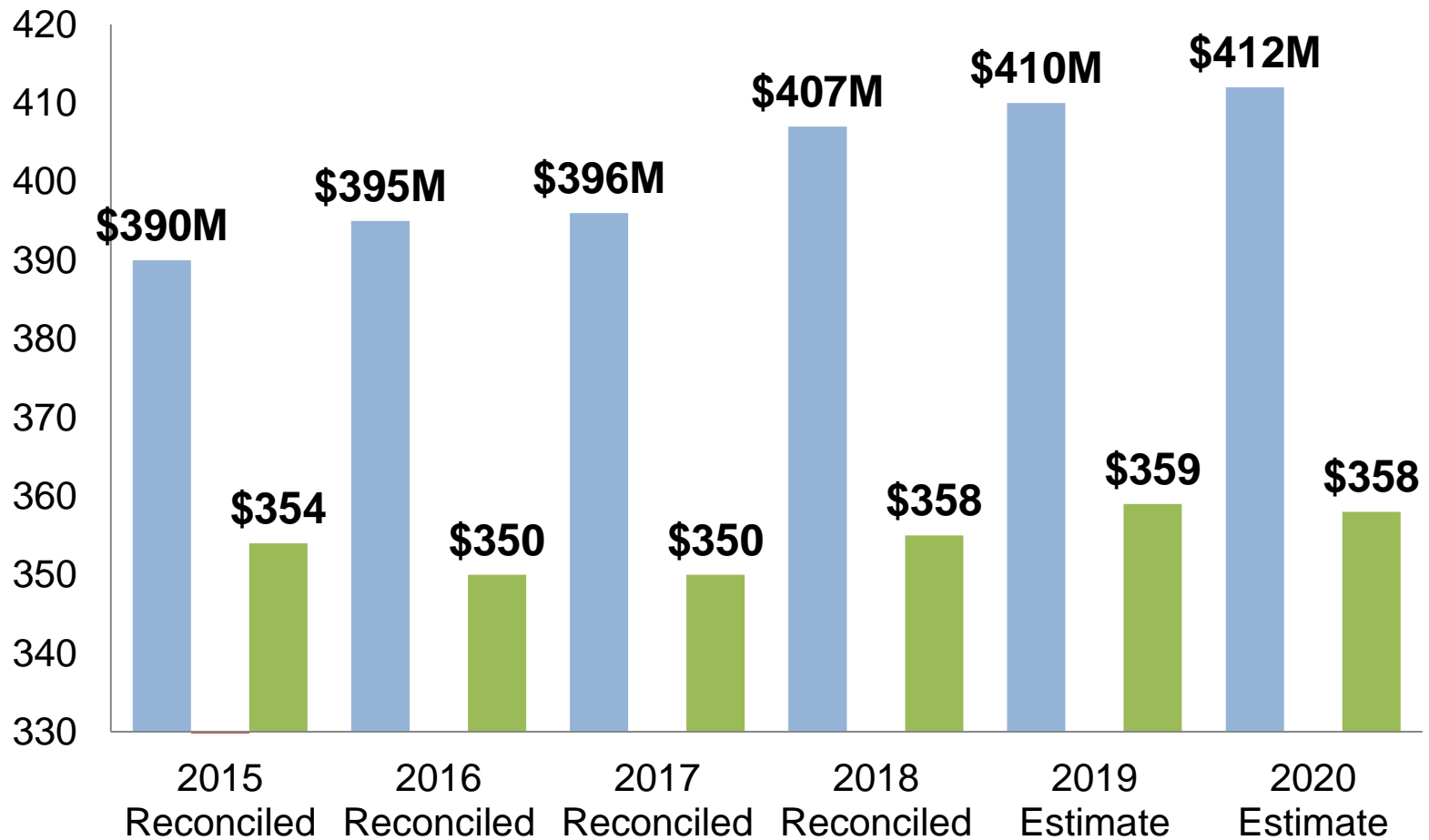
Accommodations Enhancements Prisoner Transportation*

* Prisoner transportation cost is allocated to all municipalities on an equal per property basis.



Municipal Policing Cost-Recovery (Provincial Summary) 2015 - 2020

■ Total Municipal Cost-Recovery (\$M) ■ Average Cost per Property (\$)



Individual Municipal Cost Overview

Municipality: Temiskaming Shores C

Detachment: Temiskaming

Region: North East

Type of Agreement: Section 10

Contract Expires: December 31, 2020

COST DATA PRIOR TO IMPLEMENTATION OF OPP BILLING MODEL

Year	Property Count ¹	Total Cost	Yr / Yr Cost Variance	Cost Per Property	OPP Avg Cost per Property ¹
2014	5259	\$2,427,972	↑ #REF!	\$462	\$356

Year	Property Count ¹	Total Cost ³		Year over Year Cost Variance		Cost Per Property		OPP Average Cost per Property ¹
		Before Cap	Capped			Before Cap	Capped	
2015 ²	5259	\$2,378,248	\$2,378,248	↓ -2.05%		\$452	\$452	\$354
2016 ²	5312	\$2,361,508	\$2,361,508	↓ -0.70%		\$445	\$445	\$350
2017 ²	5294	\$2,353,110	\$2,353,110	↓ -0.36%		\$444	\$444	\$350
2018 ²	5279	\$2,395,112	\$2,395,112	↑ 1.78%		\$454	\$454	\$363
2019	5277	\$2,402,150	\$2,402,150	↑ 0.29%		\$455	\$455	\$359
2020	5286	\$2,439,518		↑ 1.56%		\$462		\$358

Enhancement costs have been included in the above data where applicable

OPP 2021 Annual Billing Statement

Temiskaming Shores C

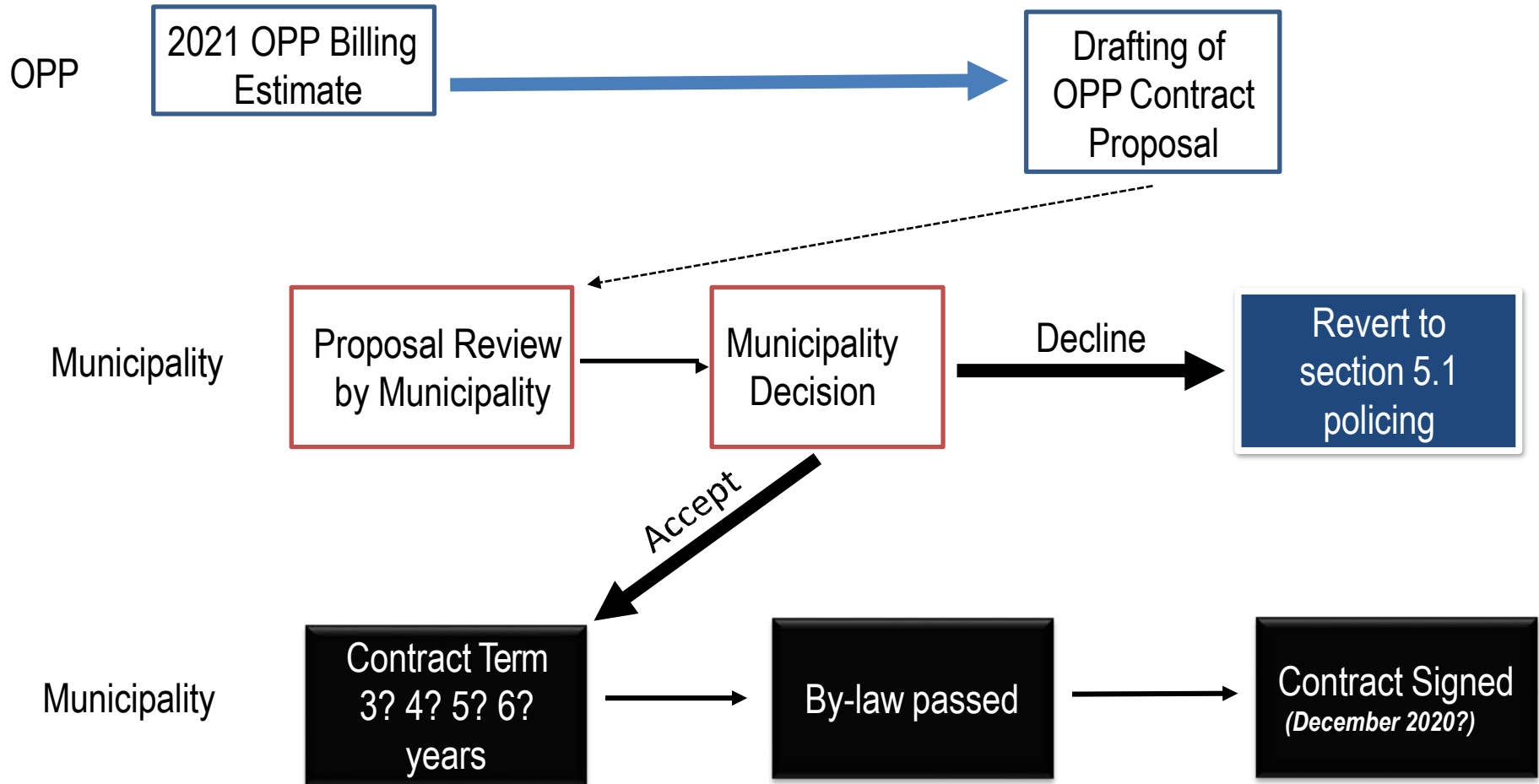
Estimated costs for the period January 1 to December 31, 2021

Please refer to www.opp.ca for 2021 Municipal Policing Billing General Information summary for further details.

			Cost per Property \$	Total Cost \$
Base Service	Property Counts			
	Household	4,857		
	Commercial and Industrial	423		
	Total Properties	<u>5,280</u>	177.48	937,073
Calls for Service	(see summaries)			
	Total all municipalities	168,336,779		
	Municipal portion	0.7355%	234.48	1,238,051
Overtime	(see notes)		14.77	78,004
Court Security	(see summary)		38.59	203,768
Prisoner Transportation	(per property cost)		2.11	11,141
Accommodation/Cleaning Services	(per property cost)		4.68	24,710
Total 2021 Estimated Cost			<u>472.11</u>	2,492,748
2019 Year-End Adjustment	(see summary)			17,387
Grand Total Billing for 2021				<u>2,510,135</u>
2021 Monthly Billing Amount				209,178



OPP Contract Renewal Process





Community Safety and Policing Act, 2019

- OPP policing – no contracts to provide municipal policing – eliminates the distinction between section 10 and section 5.1 municipalities
- Provisions for the OPP to provide enhancements (at an extra cost) to municipalities, under established agreements
- Municipalities have two main choices:
 - Continue to be policed by the OPP and become a part of an OPP detachment board (s.10 (1)(4), s. 67, s. 68 CSPA)
 - Municipalities can choose to form a municipal board, or amalgamate boards, enter into an agreement with another municipal board, etc., to have the municipal board provide policing responsibility (s. 22 CSPA)



Helpful ONLINE Resources

INTERNET

1

www.opp.ca/billingmodel

www.opp.ca/municipalpolicing

www.opp.ca/contractproposals

The screenshot displays the Ontario Provincial Police website's 'Municipal Policing Billing Model' page. The header features the OPP logo and navigation links. The main content area includes a large image of a police station and a section titled 'Municipal Policing Billing Model' with a brief description. Below this, there are sections for 'Consultation', 'Additional information', and 'Contact us'. A sidebar on the right lists 'Related resources' and 'On this page'.

Related resources

- 2015 - 2018 Annual Billing Comparison
- 2015-2018 OPP Municipal Policing Cost
- 2017 Municipal Policing Billing Model Overview
- 2018 Annual Municipal Policing Billing Overview (Webinar presentation)
- 2018 Estimated Front-line Constable and Support Costs
- 2018 Municipal Billing General Information
- Property Count Description (2015-2017)
- Property Count Description (2018)

2



TWITTER

@OPP_Mun_Pol



Ontario Provincial Police



QUESTIONS?

Email us: OPP.MunicipalPolicing@opp.ca

Call us: (705) 329-6200

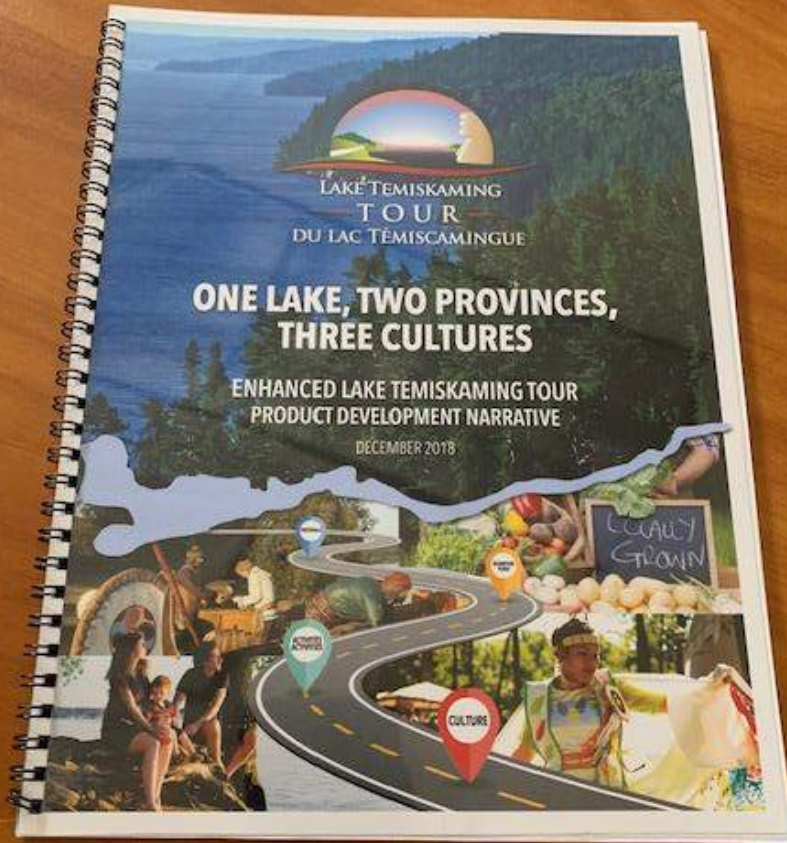
Follow us on Twitter: @OPP_Mun_Pol



CULINARY TOURISM PROJECT

LAKE TEMISKAMING
— T O U R —
DU LAC TÉMISCAMINGUE

ENHANCING LAKE TEMISKAMING TOUR DU LAC TÉMISCAMINGUE



- Lake Temiskaming Tour du Lac Témiscamingue will be enhanced through food and drink
- Visitors and locals meaningful food and drink experiences
- Increased visitation to the region
- Visitors stay longer and spend more
- Tourism dollars are being spread across a variety of businesses in the region
- More local ambassadors for Temiskaming and regional tourism assets

CULINARY TOURISM ALLIANCE

The Culinary Tourism Alliance works with communities to grow food tourism by leveraging the history, heritage, and culture behind the food and drink that makes each destination unique.

Operating as a not-for-profit food tourism development organization, our mandate is to:

- Cultivate members and share their stories
- Develop criteria-based accreditation for the foodservice industry to support local food systems
- Provide strategic support to grow food and agritourism
- Curate authentic content and experiences



TRAINING



Culinary Tourism Alliance would provide training to agri-food enterprises. Training would ensure businesses are to be prepared for the food travelers. This would entail group training, consultation session and on-site visits in various communities

- **‘Are you food ready’ with 15 participants**
- **‘Êtes vous prêt pour le marché du tourisme’ with 11 participants**
- **E-Commerce with Digial Main Stream with 23 participants followed by 6 participants receiving one-on-one 30 min sessions.**

CULINARY EXPERIENCES

- Bison du Nord, (Earlton, ON)
 - Tour of bison farm
- Ferme Nordvie (Saint-Bruno-de-Guigues, QC)
 - Tastings of farm products, including house-made fruit liqueurs
 - Curated picnics
- Lieu historique national d'Obadjiwan-Fort-Témiscamingue (Duhamel-Ouest, QC)
 - Seasonal culinary activations in partnership with local businesses
- L'Eden Rouge (Saint-Bruno-de-Guigues, QC)
 - Tour and farm to table meal
- Le Fromage au Village (Lorrainville, QC)
 - Cheese tastings paired with local products
- Smoothwater Outfitters & Lodge (Temagami, ON)
 - Foraged high tea
 - Foraging tour
- The White Owl Bistro (North Bay, ON)
 - Monthly seasonal menu and featured retail products
- Thornloe Cheese (Thornloe, ON)
 - Self-guided storyboard tour
 - Cheese tastings
- Vers Forêt (Angliers, QC)
 - Guided foraging tour
- Whiskeyjack Beer Company (Haileybury, ON)
 - Beer and food pairings
- Zantes Bar and Grill (New Liskeard, ON)
 - Tap Take-overs (focus on Northern Ontario)
 - Local dinner series



MARKETING / PROMOTION



- Marketing dollars to help businesses to market their experiences / promoting the Lake Temiskaming Tour du lac Témiscamingue
- A branding Lake Temiskaming Tour du lac Témiscamingue document
- Window decal
- Lake Temiskaming Tour promotional item usefull to buisnesses
- Culinary Tourism video
- Tear out Food/Things To Do Map
- FAM influence writers
- Adding the Lake Temiskaming Tour du lac Témiscamingue to Savour Ottawa map.
- Refreshing Lake Temiskaming Tour du lac Témiscamingue website
- Spring Social Media Campaign to launch the Culinary experiences
- Regional marketing (TS visitor guide, NB guide, radio ads, CTV, Rogers
- Big Clic (geofencing) **targeting foodies
- Passport 2021

CULINARY PROJECT MARKETING PLAN

Culinary Project Marketing Plan			
Marketing	Timeline	Estimated Cost	Leverage
Tear out map pads (pads of 50 for 50 businesses around the lake)	Dec-20	\$2,500	\$10,000
Art work for map	Nov-20	\$1,200	
Decal for businesses widows (1000)	Oct-20	\$472	\$2,000
Branded items for businesses (Aprons, napkins holders, glasses)	Nov-20	\$10,000	\$10,000
Refreshing Lake Temiskaming Tour Website	Nov-20	\$5,850	
Social Media Campaign promoting experiences	Early Spring 2021	\$10,000	\$10,000
Savour Ottawa Map	Dec-20	\$5,000	\$20,000
Marketing for businesses with culinary experiences	Nov-Dec 2020	\$25,000	\$25,000
Familiarization Tours	Sept 20 & June 21	\$500	\$20,000
DNO Wayfinding (5 billboards)	Nov-20	\$10,000	\$10,000
DNO – The Globe and Mail	Aug-20	\$2,300	\$27,700
Culinary video	Early Spring	\$7,800	\$40,000
Virtual Royal Winter Fair with Destination Northern Ontario	Nov-20	\$0	\$5,000
Local Marketing (NB guide, TS visitor guide, radio ads-Timmins, CTV, Rogers)	2021	\$10,000	\$10,000
Total Marketing Expenditures		\$90,622	\$189,700

Partnership with Destination Northern Ontario



- Culinary Tourism Experiences Development Self Assessment Tool on TEN Website
- BALADO Discovery / BALADO Découverte
- Article in the Global Mail
- Participant in this year's Virtual Royal Agricultural Winter Fair
- 5 Wayfinding Signs around Lake Temiskaming Tour

THANK YOU / MERCI



Annual Report 2019-2020 – Facts and highlights

By the numbers – cases received

Total cases received, April 1, 2019-March 31, 2020: **26,423**

Correctional facilities: **6,000**

Municipalities: General – **3,014** (p. 39); Closed meetings – **54** (p. 44)

School boards: **732** (p. 56)

Universities: **282** (p. 59)

Most complained-about organization: Tribunals Ontario (**1,051** cases – p. 37)

Top 10 provincial organizations and correctional facilities by case volume: p. 79

52% of cases closed within one week; **64%** within two weeks

New areas of jurisdiction (May 1, 2019-March 31, 2020)

Children and youth in care: **1,775** (Children's aid societies: **1,458**)

French language services: **321**

COVID-19 update (March 16, 2020 to present)

Complaints and inquiries received while working remotely: More than **3,300**

Cases related to COVID-19: More than **800**

New in 2019-2020 – complaint trends and proactive work

- Ombudsman staff flagged lack of policies at youth justice centres for investigation of assaults, removing privileges and isolating young people (p. 22)
- The Premier committed to the French Language Services Commissioner that the government's coronavirus information would be provided in English and French (p. 25)
- Cabinet ministers' English-only podium signs were replaced with bilingual ones after the French Language Services Commissioner raised the issue with the Secretary of Cabinet (p. 28).
- The Ombudsman and staff visited correctional facilities and raised concerns about overcrowding and poor living conditions with the Deputy Solicitor General and Solicitor General, as complaints hit a new high of 6,000 (p. 33).

- The Ministry of the Solicitor General developed a new policy after Ombudsman staff flagged a case of an inmate who was not sent to hospital immediately after being sexually assaulted by inmates (p. 35).
- The Chief Coroner implemented new provincewide training for staff on communicating with families after a family complained that a loved one's body was cremated despite their request for a second examination (p. 38).
- The City of Hamilton adopted new procedures to ensure doors to City Hall are not locked during meetings, after two Ombudsman investigations of meetings that were illegal because residents could not get in (p. 45).
- The Ontario Cannabis Store enabled customers to file online complaints about the weight and quality of cannabis orders (p. 54).
- The Ministry of Education is addressing a gap in assessment and treatment services for students in so-called "Section 23" schools (p. 57).
- Ombudsman staff continue to assess issues raised about free speech on university campuses in four complaints, three of which involved events related to the 2019 federal election (p. 60).
- The Ministry of Transportation updated its website and its notices to drivers whose licences are suspended for dangerous driving (p. 66).
- The Ministry of the Attorney General and municipalities were encouraged to consider issues of fairness when attempting to collect fines from drivers for offences dating back as far as the 1980s (p. 67).
- The Fair Practices Commission made its complaint form available in French after Ombudsman staff alerted them to the needs of a Francophone complainant (p. 69).

Investigations

Reports published in 2019-2020

Lessons Not Learned (July 2019): The Near North District School Board accepted all 14 of the Ombudsman's recommendations to improve transparency, including revisiting its decision to close a North Bay School. (p. 59).

Inside Job: Niagara Region accepted all 16 of the Ombudsman's recommendations to improve the fairness of its hiring process, after the Chief Administrative Officer hired in 2016 was given an unfair advantage (p. 43).

New and pending investigations

Landlord and Tenant Board delays – p. 55

Long-term care monitoring during COVID-19 – p. 65

Emergency health services – p. 65

New assessments for potential investigations

Operational stress injury among correctional officers – p. 37

Deteriorating licence plates – p. 67

Hamilton sewage spill – p.73

Municipal closed meeting investigations: 54 total complaints (40 where Ombudsman is the investigator); 26 meetings in 24 municipalities investigated; 15 reports and letters issued; 5 illegal meetings and 4 procedural violations found, 18 best practice recommendations made (p. 44).

Updates on selected previous investigations

A Matter of Life and Death (2016): Many of the Ombudsman's recommendations, including body-worn cameras and a new use-of-force model that prioritizes de-escalation, are still being reviewed by the Ministry of the Solicitor General. New policing legislation is still not in force, but the Ontario Police College is working on new de-escalation training (p. 32).

In the Line of Duty (2012): Reports by Ontario's Chief Coroner on police suicides and the OPP's expert panel on workplace culture were issued, and a mental health program is in the works. Ombudsman investigators continue to assess developments and the need for further investigation (p.32).

Out of Oversight, Out of Mind (2017): Some 19 of the Ombudsman's 32 recommendations have been implemented, but legislation passed under the previous government is not in force, and there is still no independent review of segregation placements, despite a new regulation. Individual complaints about segregation declined to 162 from 266 (p. 36).

Nowhere to Turn (2016) The Ministry of Children, Community and Social Services continues to report on its progress, and Ombudsman staff help adults with complex special needs find placements on a case-by-case basis (p. 51).

Between a Rock and a Hard Place (2005): Ombudsman staff continue to address individual cases where parents of children with complex special needs relinquish custody of their children in order to get care for them (p. 52).

Suspended State (2018): The Ministry of Transportation made improvements, including informing drivers of suspensions for defaulted fines when they renew vehicle registrations, making it possible to pay these fines online or at ServiceOntario, and tracking returned mail (p. 67).

Individual case highlights – how Ombudsman intervention helped

- An 11-year-old who was threatened with a knife by another resident in her group home was given a new placement (p. 20).

- A group home improved its practices after a teen with developmental disabilities was found by police outside after midnight in the cold (p. 20).
- A youth justice centre began documenting and reviewing the placement of a 17-year-old with mental challenges who had had limited human contact for more than four months (p.22)
- A motorcyclist was given the chance to redo his road test in French, and the DriveTest location committed to providing bilingual examiners (p. 29).
- An inmate who waited for six weeks to see a doctor due was given an appointment for blood sugar testing and pain medication (p. 34).
- Correctional officers were suspended in the wake of an investigation after an inmate complained that they punched him and broke his nose (p. 35).
- A municipal integrity commissioner issued a report after an 18-month delay after Ombudsman staff flagged it to the municipality (p. 40).
- Municipal social housing staff reached out to a woman after she waited more than six weeks for a reply to her urgent request (p. 41).
- A cancer patient seeking funding for transportation for an urgent surgery connected with Ontario Disability Support Program staff, who were on rotating shifts due to COVID-19 (p. 48).
- A father who was ordered to pay \$1,000 in family support instead received a \$5,000 credit for child support he had overpaid for seven years (p. 49).
- A mother received \$9,482 in support from her ex-spouse the Family Responsibility Office (FRO) was prompted to garnish his wages (p. 49).
- A woman who was told to repay \$16,000 in Ontario Disability Support Program payments instead began receiving reimbursements for several years of deductions (p. 50).
- A woman received \$7,172 in family support that the FRO had been sending to an invalid mailing address for over a year (p. 52).
- A father whose children are now in their 30s but still owed child support dating back decades saw his arrears reduced by \$30,000 (p. 52).
- A man received \$1,222 from the Office of the Public Guardian and Trustee for a wheelchair claim that hadn't been processed (p. 54).
- The owner of a property that the Municipal Property Assessment Corporation mistakenly overvalued by \$100,000 filed for a tax refund (p. 54).

- The Ontario Student Assistance Program reviewed a student's file, resulting in her receiving a \$17,000 grant (p. 61).
- A student who wanted to resume his studies after being hospitalized had his \$15,000 OSAP loan changed to a grant (p. 62).
- An essential worker during the early days of the COVID-19 state of emergency had her driver's licence quickly reinstated (p. 66).
- ServiceOntario provided a woman's permanent driver's licence for pickup in person, after she waited six months to receive it by mail (p. 68).
- Metrolinx refunded a woman who accidentally bought a monthly Toronto Transit Commission pass when reloading her Presto card (p. 68).
- A man who was asked to repay \$28,000 in Second Career funding he received almost a decade ago had the debt reduced to zero (p. 70).
- Two refugees whose original identification documents were held by Canadian Border Services Agency were able to obtain Ontario Photo Cards (p. 71).
- A woman who waited five months for ServiceOntario to process her parking permit application had it mailed to her within 10 days (p. 71).



Little Claybelt Homesteaders Museum

Box 1718, B-883356 Highway 65
New Liskeard, ON P0J 1P0

Phone: 705-647-9575
claybeltmuseum.ca

November 2020

Claybelt Spreader

Spreading the news...

***Preserving the history of
the southern Little Claybelt
Region 1880s to 1950s.***



**The Little Claybelt Homesteaders
Museum is dedicated to
preserving the cultural heritage
of South Temiskaming through
the collection of artifacts and
documentation that focuses on
the settlement history of the
Little Claybelt.**

Little Claybelt Homesteaders Museum
Box 1718
883356 Highway 65 East
New Liskeard, ON
P0J 1P0
Phone: 705-647-9575
Email: lchmuse@gmail.com

Charitable #0583526-50-19

Member of the Ontario
Museums Association



Like us on Facebook

As we approach the Christmas season, the Little Claybelt Homesteaders Museum wishes everyone a Merry Christmas. Our November newsletter will give you more information on the happenings at the Little Claybelt Homesteaders Museum.

Due to the current Covid-19 situation, we regretfully made the decision to not hold our annual Christmas Bazaar and Bake Sale. We will, however, be posting homemade craft items for sale on Facebook during the season leading up to Christmas.

Our newest and biggest display at the museum features a hockey exhibit and the history of the New Liskeard Cubs hockey team. The exhibit was put together by Lois and Rolly Forget and Ruth Shepherdson. We thank them for this wonderful display. Another new display we are working on features New Liskeard businesses, mainly grocery stores, from the

early years of the town. Featured in this display will be a 3' x 8' aerial map of the New Liskeard area from the 1950s.

Our final volume of the Claybelt Chronicles, volume 9, is for sale and will make a great Christmas gift. Call 705-647-5580 if you would like to purchase a copy. Next spring, Claybelt Memories, volume 4, will be published.

Our gift shop sells many amazing local history books as you can see in this newsletter. If you wish to purchase any of these books for Christmas presents, please call 705-647-5580 and arrangements can be made for pick-up at the museum.

Included with the newsletter is a membership form for 2021. Membership keeps our museum operating and we can't do it without your help. Thank you for your continued support. Best wishes for the New Year to you and your family from the Board of Directors of the Little Claybelt Homesteaders Museum.

Current Exhibit



NEW LISKEARD CUBS HOCKEY TEAM

Our newest and largest exhibit features the history of the New Liskeard Cubs hockey team, including hockey sweaters, jackets, trophies, photos and newspaper articles.

The New Liskeard Cubs hockey team was founded in 1953. Through the years, the team won ten league championships, four All Ontario Championships and two trips to the Air Canada AAA Midget Championships where they ended up winning the silver medal in 1997. Since 1954, more than one thousand



teenagers have proudly worn the black and gold as a "Cub" hockey player.

Many graduates of the Cubs have continued with a hockey career in junior, various pro leagues, and the NHL. The Cubs are also proud of many individual players who have, through their hockey ability, graduated from universities and colleges and gone on to great careers.





Little Claybelt Homesteaders Museum

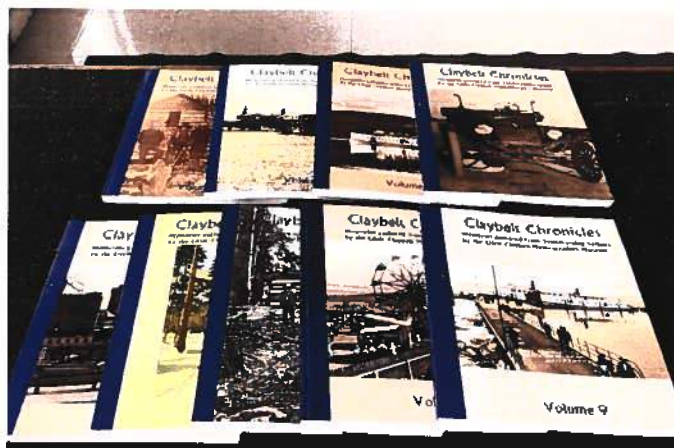
Box 1718, B-883356 Highway 65
New Liskeard, ON P0J 1P0

Phone: 705-647-9575
<http://claybeltmuseum.ca>

Claybelt Chronicles Series

Interviews from seniors in the area.

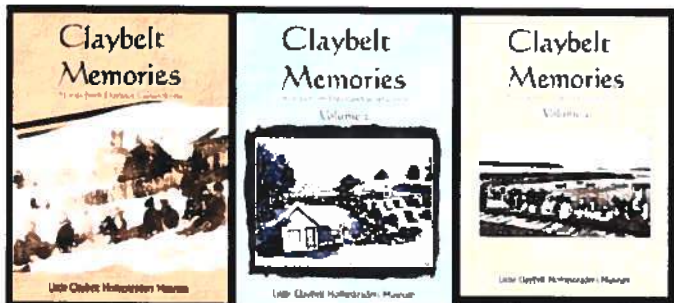
Master List of People Interviewed is at the Museum, or available from the website.



Claybelt Chronicles Volume 1
Claybelt Chronicles Volume 2
Claybelt Chronicles Volume 3
Claybelt Chronicles Volume 4
Claybelt Chronicles Volume 5
Claybelt Chronicles Volume 6
Claybelt Chronicles Volume 7
Claybelt Chronicles Volume 8
Claybelt Chronicles Volume 9

\$30 each or a set of 9 for \$240

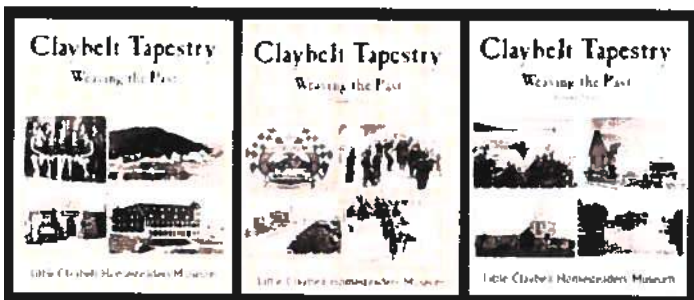
Claybelt Memories Series



Interviews on file from earlier pioneers, stories from previous generations.

Claybelt Memories Volume 1
Claybelt Memories Volume 2
Claybelt Memories Volume 3
\$30 each

Claybelt Tapestry Series



A collection of the places, shops, institutions endeavours, and businesses in the early South Temiskaming District.

Claybelt Tapestry Volume 1
Claybelt Tapestry Volume 2
Claybelt Tapestry Volume 3
\$30 each

Other Local Histories either re-printed with permission, or acquired for the Museum.



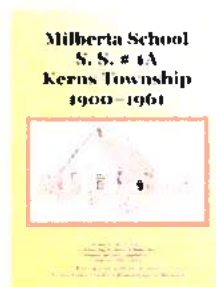
Agricultural Temiskaming 1910, A reprint of the 1910 book used to draw settlers to Temiskaming complete with the original advertisements and all pictures. \$20



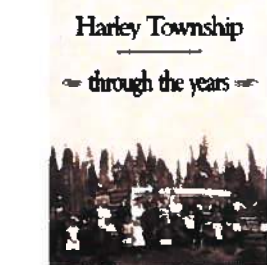
"I've Got To Stop Here Until I'm Called For" A History of Hudson Township compiled by by Norman R. Hawirko and Margaret Arnott. \$20



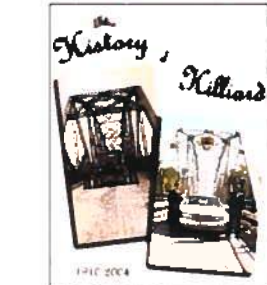
Memories From Milberta Alexander Memorial United Church by Jim Runnalls. Includes history of Milberta and the church. Many photos of past members of the congregation and a complete list of the past ministers. \$18



Milberta S.S.#1A Kerns 1900-1961 Includes a history of the school, a list of the teachers, many photos of students and teachers, and information taken from various sources which mentions events and students from Milberta School over its sixty years. \$18



Harley Township Through The Years. Topics include the development of the township, the hamlets located in the township, and many family stories. \$30



The History of Hilliard 1910-2004. Includes information on the settlement and homesteading, lumbering, agricultural development, schools, lot history and quotes from the people of Hilliard. \$20



A Pictorial Visit of New Liskeard's First 100 Years 1903-2003 Compiled by Elizabeth and Harold Hie. Photos of the past and present of buildings, schools, hospitals, homes, floods, sports and more. \$40



Hilliard School Reunion July 2, 2016 Compiled for the reunion in 2016, there are photos and memories captured for all. \$18



We Were There, McCool School Kerns Township. Memories from a reunion in August 1992. Includes the history of the school, the names of many of the teachers and students, and written memories from many of the former students. \$18



Kerns Township A History of Kerns Township. Compiled by the Milberta Community Women and the Little Claybelt Museum. \$30



Silver and Ghosts, Creepy Cobalt and Region by Andrew Hind The numerous relics of Cobalt's past hide dark mysteries and eerie haunts. Meet the ghosts of miners who continue their back-breaking toil in the Colonial, even in death. \$24



Learning 9 to 4 Early Rural Schools in Temiskaming. Locations, pictures descriptions, lists of teachers for the 63 rural public schools in the district from 1890s to present day. \$30

Reprints of Nora Craven books \$10 each
Places We Call Home
Do You Remember?
Bees and Mosquitoes

CATCH THE ACE 4 HISTORY

... is a lottery supporting our four local museums: Bunker Military Museum in Cobalt, Haileybury Heritage Museum in Haileybury, Latchford House of Memories, and the Little Claybelt Homesteaders Museum in New Liskeard. Tickets can be purchased in New Liskeard at Amber's, Clean Scene Dry Cleaners, Pop-It, and Yves' Prime Cut Meats.



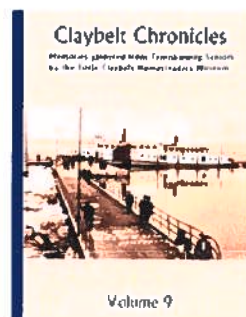
**Get your
tickets
today!**



Thank you!

Thank you goes to our volunteer gardener, Maureen Goddard, who has been taking care of the flower beds around the museum for many years. Our appreciation goes out to her for her continued volunteer work at our museum.

New Publications



Claybelt Chronicles, Volume 9, is the last in a series of interviews of Temiskaming seniors. These interviews capture their stories and help keep the history of the area alive with as many first-hand accounts as possible.



Claybelt Memories, Volume 4, is our latest publication which will be published in the new year. It presents a collection of personal histories from previous

generations up to those of the Claybelt Chronicles series. The information is taken from 1992 interviews, documentation from family members, organizations, the Temiskaming Speaker and local Women's Institute Tweedsmuir histories.

If you would like to purchase a copy of Claybelt Chronicles, Volume 9, please call 705-647-5580. Arrangements will be made for you to get your copy.

Membership

The Little Claybelt Homesteaders Museum is a small heritage and homesteaders museum located in New Liskeard, Ontario. The museum is a not-for-profit organization. We have virtually no funding from the municipality and have been marginally self-sufficient over the years.

We rely on donations from the visitors, memberships, and fundraisers to operate the museum and to keep it open. We need your support. Membership in the museum, attendance at fundraisers, the purchase of our books, and the purchase of items from the gift shop all go a long way to help.

2021 Membership Form



Below is the 2021 Little Claybelt Homesteaders Museum membership form. Please complete the form and mail it to us at Box 1718, New Liskeard, Ontario, P0J 1P0.

Donations are appreciated and charitable receipts will be issued for all donations. It is your museum and we cannot do it without your help. Thank you for your continued support.

Date paid _____ Cheque # _____

Charitable #0583526-50-19

(Keep this top portion for your records and mail the completed form below with your cheque or money order.)

Little Claybelt Homesteaders Museum 2021 Membership Form

☐ Individual Membership (\$15.00) ☐ Family Membership (\$25.00)

Also: please consider donations to the Museum:

Amount ☐ \$20

☐ \$50

☐ \$100

☐ Other _____

☐ Please tell me how I can volunteer

Name _____

Address _____

Town/City _____ Prov: _____

Postal Code _____

Phone _____

Email _____



CORPORATE SERVICES DEPARTMENT
TELEPHONE 613-968-6481
FAX 613-967-3206

City of Belleville

169 FRONT STREET
BELLEVILLE, ONTARIO
K8N 2Y8

October 28, 2020

The Honourable Doug Ford
Premier's Office, Room 281
Legislative Building, Queen's Park
Toronto, ON M7A 1A1

Dear Premier Ford:

**RE: Accessibility for Ontarians with Disabilities Act – Web-site Support
New Business
10, Belleville City Council Meeting, October 26, 2020**

This is to advise you that at the Council Meeting of October 26, 2020, the following resolution was approved.

"WHEREAS Section 14(4) of O. Reg 191/11 under the Accessibility for Ontarians with Disabilities Act requires designated public sector organizations to conform to WCAG 2.0 Level AA by January 1, 2021; and

WHEREAS the City remains committed to the provision of accessible goods and services; and

WHEREAS the City provides accommodations to meet any stated accessibility need, where possible; and

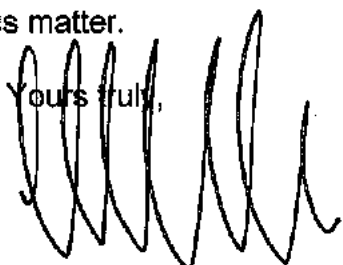
WHEREAS the declared pandemic, COVID-19, has impacted the finances and other resources of the City; and

WHEREAS the Accessibility for Ontarians with Disabilities Act contemplates the need to consider technical or economic considerations in the implementation of Accessibility Standards;

BE IT THEREFORE RESOLVED THAT the Corporation of the City of Belleville requests that the Province of Ontario consider providing funding support and training resources to municipalities to meet these compliance standards; and

THAT this resolution be forwarded to the Premier of the Province of Ontario, Prince Edward-Hastings M.P.P., Todd Smith, Hastings – Lennox & Addington M.P.P., Daryl Kramp, the Association of Municipalities of Ontario and all municipalities within the Province of Ontario."

Thank you for your attention to this matter.

Yours truly,


Matt MacDonald
Director of Corporate Services/City Clerk

MMacD/nh

Pc: AMO

Todd Smith, MPP Prince Edward-Hastings
Daryl Kramp, MPP Hastings – Lennox & Addington
Councillor Thompson, City of Belleville
Ontario Municipalities

November 3, 2020

Please be advised that during the Committee of the Whole meeting on October 29, 2020 the following motion was carried;

RESOLUTION NO. CW-407-2020

DATE: October 29, 2020
MOVED BY: Councillor MacNaughton
SECONDED BY: Councillor St-Jean

Resolution by Councillor MacNaughton regarding Bill 218, Supporting Ontario's Recovery and Municipal Elections Act, 2020 is proposing changes to the Municipal Elections Act of 1996

WHEREAS municipalities in Ontario are responsible for conducting the fair and democratic elections of local representatives; and

WHEREAS Government of Ontario, with Bill 218, Supporting Ontario's Recovery and Municipal Elections Act, 2020 is proposing changes to the Municipal Elections Act of 1996

- to prohibit the use of ranked ballots in future Municipal Elections, and
- extend nomination day from the end of July to the second Friday in September; and

WHEREAS each municipal election is governed by the Municipal Elections Act which was amended in 2016 to include the option to allow Municipalities to utilize ranked ballots for their elections and shorter nomination periods; and

WHEREAS London, Ontario ran the first ranked ballot election in 2018 and several other municipalities since have approved bylaws to adopt the practice, or are in the process of doing so including our regional neighbours in Kingston via a referendum return of 63%; and

WHEREAS the operation, finance and regulatory compliance of elections is fully undertaken by municipalities themselves; and,

WHEREAS local governments are best poised to understand the representational needs and challenges of the body politic they represent, and when looking at alternative voting methods to ensure more people vote safely, it becomes more difficult to implement these alternatives with the proposed shorter period between Nomination day and the October 24, 2022 Election day;

NOW THEREFORE BE IT RESOLVED THAT Corporation of the County of Prince Edward Council send a letter to the Ministry of Municipal Affairs and Housing urging that the Government of Ontario continues to respect Ontario municipalities' ability to apply sound representative principles in their execution of elections;

AND THAT the Corporation of the County of Prince Edward Council recommends that the Government of Ontario supports the freedom of municipalities to run democratic elections within the existing framework the Act currently offers;

AND THAT this resolution be circulated to all Ontario Municipalities, AMO and AMCTO.

CARRIED



Catalina Blumenberg, **Clerk**



November 3, 2020

MEDIA RELEASE

FONOM's Board of directors' comments on the 2021 Ontario Municipal Partnership Funding (OMPF)

Late last week, the Ontario Ministry of Finance shared with the Municipalities their 2021 allotment of the OMPF. The total fund of \$500 million is dispersed to 389 municipalities in Ontario based on their local circumstances, using the same formula as 2020. Each local government in Northern Ontario received a share of the OMPF, totaling \$206,624,500.00. This amount is an increase of \$700,200 from the previous year. The Board is aware that not all members received an increase; due to the formula, several are receiving less than in 2020.

"We wish to thank the Province for continuing to support Municipalities on the Northeast with an increase to the OMPF allocation," said FONOM President Danny Whalen. "also, having this information before most budget processes starting is a benefit to members."

The OMPF allocation is unencumbered funding that Municipal Governments use to offset tax increases to their residents.

FONOM is an association of some 110 districts/municipalities/cities/towns in Northeastern Ontario mandated to work for the betterment of municipal the government in Northern Ontario and to strive for improved legislation respecting local government in the North. It is a membership-based association that draws its members from northeastern Ontario and is governed by an 11-member board.

President Danny Whalen
705-622-2479

Report To: Committee of the Whole

Meeting Date: October 19, 2020

**Subject: Proposed Regulation under the Ontario Heritage Act
(Bill 108)**

Recommendation(s)

1. That the Report PA20-22 dated October 19, 2020, be received and
2. That the report be endorsed and submitted to the Province, along with the following motion, as the Town of Grimsby's comments to the Environmental Registry.

WHEREAS Royal Assent has been granted to Bill 108 entitled 'More Homes, More Choice Act, 2019' on June 6, 2019; and,

WHEREAS Schedule 11 of Bill 108 contains amendments to the Ontario Heritage Act which require appeals under the Ontario Heritage Act to be heard by the Local Planning Appeal Tribunal not the Conservation Review Board; and,

WHEREAS the Conservation Review Board is an adjudicative tribunal that, through the mandate provided by the Ontario Heritage Act, considers a number of matters such as:

- The proposed designation of a property as having cultural heritage value or interest;
- Applications for the repeal of a By-law on a specific property;
- Applications related to the alteration of a property covered by a By-law; and,
- Matters related to archaeological licensing. AND,

WHEREAS Schedule 11 of Bill 108 will come into effect on a date to be proclaimed by the Lieutenant Governor; and,

WHEREAS the Local Planning Appeal Tribunal are not experts in heritage matters unlike members of the Conservation Review Board; and,

WHEREAS the Local Planning Appeal Tribunal decisions are binding decisions unlike the Conservation Review Board non-binding recommendations; and,

WHEREAS the Ontario Heritage Act provides a means for municipalities to protect and preserve the cultural heritage value or interest of the municipality for generations to come; and,

WHEREAS the Conservation Review Board currently provides reports to municipal council's setting out its findings of fact, and its recommendations so that a final decision can be rendered by municipalities about what is valuable in their community;

WHEREAS the Town of Grimsby remains committed to the preservation and protection of property of cultural heritage value or interest;

NOW THEREFORE BE IT RESOLVED THAT the Town of Grimsby strongly recommends that Schedule 11 of Bill 108 be amended to remove the powers provided to the Local Planning Appeal Tribunal, retaining authority for hearing certain appeals by the Conservation Review Board; and,

BE IT FURTHER RESOLVED THAT the Town of Grimsby strongly recommends that Schedule 11 of Bill 108 be amended to return the authority for final decisions to municipal council's as the elected representative of the communities wherein the property and its features of cultural heritage value exist; and,

BE IT FURTHER RESOLVED THAT a copy of this motion be sent to the Honourable Doug Ford, Premier of Ontario, Lisa McLeod the Minister of Heritage, Sport, Tourism and Culture Industries, Andrea Horwath, MPP and Leader of the Official Opposition and the Ontario NDP Party, MPP Steven Del Duca Leader of the Ontario Liberal Party, Mike Schreiner MPP and Leader of the Green Party of Ontario, Sam Oosterhoff MPP Niagara West; and,

BE IT FURTHER RESOLVED THAT a copy of this motion be sent to the Association of Municipalities of Ontario (AMO), all MPP's in the Province of Ontario, the Niagara Region and all Municipalities in Ontario for their consideration."

We strongly recommend that the Ontario government consider amendments to Bill 108 to return the final authority to municipal Council's to determine what is of cultural heritage value or interest in their communities with the benefits of the expert and professional advice provided by the Conservation Review Board.

Purpose

To provide staff with direction to provide comments to the Environmental Registry on the proposed changes to the Ontario Heritage Act (Bill 108). As the impetus for the new proposed regulations is Bill 108, *The More Homes, More Choices Act*, staff remain concerned that the Province's stated objective to increase housing supply should not come at the expense of the Town of Grimsby's irreplaceable cultural heritage resources, as the purpose of the *Ontario Heritage Act* being to protect and conserve heritage properties.

Background

Updates to the Ontario Heritage Act (Bill 108)

In November 2018, the Province introduced a consultation document: "Increasing Housing Supply in Ontario." On May 2, 2019, the Minister of Municipal Affairs and Housing introduced "More Homes, More Choice: Ontario's Housing Supply Action Plan" and the supporting Bill 108 – the proposed More Homes, More Choice Act. The Province stated that the objective of these initiatives is to ensure more housing choices/supply and address housing affordability. The Ontario Heritage Act was one of 13 provincial statutes impacted by Bill 108.

At that time, the proposed regulations for the OHA were unknown but the Ministry of Tourism, Culture and Sport indicated that regulations were to be released "later this year" after consultation and would be posted for comment. At that time, the changes to the OHA were expected to be proclaimed and in full force and effect for July 1, 2020. Later this date was changed to January 1, 2021. The proposed regulations were released for public comment on September 21, 2020, being partially delayed by the COVID-19 pandemic. The changes to the OHA are still anticipated to be proclaimed on January 1, 2021. Comments on the proposed regulations are due to the Environmental Registry by November 5, 2020. Communication from the Ministry of Tourism, Culture and Sport indicates that 'Updates to the existing Ontario Heritage Tool Kit, which will support implementation of the amendments and proposed regulation, are forthcoming. Drafts of the revised guides will be made available for public comment later this fall.' Staff will share this information with the Grimsby Heritage Advisory Committee and Council as it becomes available.

Analysis/Comments

The Environmental Registry posting includes the proposed regulations and a summary of the proposed regulations for the following:

1. Principles that a municipal council shall consider when making decisions under specific parts of the OHA.
2. Mandatory content for designation by-laws.
3. Events which would trigger the new 90-day timeline for issuing a notice of intention to designate and exceptions to when the timeline would apply.
4. Exceptions to the new 120-day timeline to pass a designation by-law after a notice of intention to designate has been issued.
5. Minimum requirements for complete applications for alteration or demolition of heritage properties.
6. Steps that must be taken when council has consented to the demolition or removal of a building or structure, or a heritage attribute.
7. Information and material to be provided to Local Planning Appeal Tribunal (LPAT) when there is an appeal of a municipal decision to help ensure that it has all relevant information necessary to make an appropriate decision.
8. Housekeeping amendments related to amending a designation by-law and an owner's reapplication for the repeal of a designation by-law.
9. Transition provisions.

Many of the proposed regulations are procedural and provide clarity on the new processes that were including in Bill 108. The summary of the proposals is as follows:

Regulatory Proposals

1. Principles to guide municipal decision making

The amendments to the Ontario Heritage Act give authority to prescribe principles that a municipal council shall consider when making decisions under prescribed provisions of Parts IV and V of the Act. The proposed principles relate to the purpose of the Ontario Heritage Act and are intended to help decision-

makers better understand what to focus on when making decisions under the Act.

The proposed principles are consistent with Ontario's policy framework for cultural heritage conservation. The proposed principles provide context for a municipality to follow when making decisions about designated heritage properties, including the minimization of adverse impacts to the cultural heritage value of a property or district. They also require the municipality to consider the views of all interested persons and communities. The new principles will be used in conjunction with Ontario Regulation 9/06, for which no changes have been proposed at this time. While staff already use many similar principles to guide the review process, it is noted that many of the principles use 'should' rather than 'shall' in reference to the principles. The most problematic is the principle that "property that is determined to be of cultural heritage value or interest should be protected and conserved for all generations". Using 'should' rather than 'shall' contradicts the Provincial Policy Statement 2020, which states "Significant built heritage resources and significant cultural heritage landscapes shall be conserved". Staff would prefer consistency in the language in these two provincial policies and recommend that the language from the PPS 2020 be adopted as a principle for the Ontario Heritage Act.

An additional recommendation would be that the definition of 'adaptive reuse' included in this section be revised from "the alteration of a property of cultural heritage value or interest to fit new uses or circumstances while retaining the heritage attributes of the property" to "the alteration of a property of cultural heritage value or interest to fit new uses or circumstances while retaining the cultural heritage value or interest and the heritage attributes of the property".

2. Mandatory content for designation by-laws

The Ontario Heritage Act amendments provide a regulatory authority to prescribe mandatory content for designation by-laws. The goal is to achieve greater consistency across municipalities and to provide improved clarity for property owners through designation by-laws including:

- Identifying the property for the purposes of locating it and providing an understanding of its layout and components;*
- Establishing minimum requirements for the statement of cultural heritage value or interest; and*
- Setting standards for describing heritage attributes.*

From staff's perspective, the most significant changes to the requirements for a

designation by-law are:

- The requirement to include a map or image of the area. This has not typically been done in the past due to the preferences of the Land Registry Office; however, from a staff perspective, this would not be difficult or onerous.
- The description of the heritage attributes must be 'brief' and also explain how each attribute contributes to the cultural heritage value or interest of the property. Staff note that the requirement for explanations may make the description less brief, but are generally supportive of this requirement as it may help clarify both the heritage attributes and the cultural heritage value of the property. However, this requirement will likely increase the amount of staff time required to draft designation by-laws.
- The by-law may list any features of the property that are not heritage attributes. Including a formal list of non-heritage attributes within the by-law could provide clarity to both the property owner and the Town of Grimsby.

3. 90-day timeline to issue a Notice of Intention to Designate Amendments to the Ontario Heritage Act establish a new 90-day timeline for issuing a notice of intention to designate (NOID) when the property is subject to prescribed events. It also allows for exceptions to this restriction to be prescribed.

The new timeline is intended to encourage discussions about potential designations with development proponents at an early stage to avoid designation decisions being made late in the land use planning process. The ministry has proposed three triggers which would place this restriction on council's ability to issue a NOID. These are applications submitted to the municipality for either an official plan amendment, a zoning by-law amendment or a plan of subdivision.

The proposed regulation also provides exceptions to when the 90-day timeline applies. The ministry is proposing the following categories of exceptions.

- Mutual agreement – Where an extension of, or exemption from, the 90-day restriction on issuing a NOID is mutually agreed to by the municipality and the property owner who made the application under *the Planning Act*.
- Administrative restrictions – Where municipal council or heritage committee are limited in their ability to reasonably fulfill the statutory requirements for issuing a NOID within the original 90-day timeframe. This would apply in cases of a declared emergency or where a municipal heritage committee would be unable to provide its recommendations to council. The timeframe would be extended by 90 days.
- New and relevant information – Where new and relevant information could have an impact on the potential cultural heritage value or interest of the

property is revealed and needs further investigation. Council would be able to extend the timeframe through a council resolution. In the case of new and relevant information council would have 180 days from the date of the council resolution to ensure there is sufficient time for further information gathering and analysis to inform council's decision.

Expiration of restriction – The 90-day restriction on council's ability to issue a NOID would not remain on the property indefinitely and would no longer apply when the application that originally triggered the 90-day timeframe is finally disposed of under the Planning Act.

The proposed regulation also provides notification requirements related to the exceptions to the 90-day timeframe restriction.

Overall, the regulations provide required clarity to the proposed new timelines. Staff are pleased that one of the exemptions to the new regulated timelines is through mutual agreement, as many developers in Grimsby have demonstrated their willingness to work with staff and Council to work towards heritage conservation goals through the planning process.

The exemption for 'new and relevant' materials is useful to ensure that all parties have all of the information needed to make a decision. To this end, the regulations also provide a definition of 'new and relevant' to be applied in this context.

The termination period for the 90-day timelines is limited to the lifespan of the specific planning application. This will ensure that properties are not prohibited from heritage conservation indefinitely.

However, staff have several concerns in regards to these proposed regulations. First, the 90 day timeline will not provide enough time for the town to request and review a peer review of a Heritage Impact Assessment, should the town feel that review is necessary. Staff recommend that the 90 day timeline be increased, or that an additional exemption be included that provides municipalities more time to address requirements for peer review. Likewise, the substantially reduced time limit for planning decisions in Bill 108, especially in regards to decisions for zoning by-law amendments, will create challenges for staff where heritage properties are involved in a planning application.

Staff also note that these new timelines will require significant changes to internal processes in order to accommodate the regulations, which in turn will take a significant amount of staff time to coordinate between Heritage Planning staff, and Planning staff.

4. 120-day timeline to pass a designation by-law Amendments to the Ontario Heritage Act establish a new requirement for designation by-laws to be passed within 120 days of issuing a Notice of Intention to Designate (NOID). It also

allows for exceptions to be prescribed. The ministry is proposing the following categories for exceptions.

- *Mutual agreement - Where an extension of, or exemption from, the requirement to pass a by-law within 120 days of issuing a NOID is mutually agreed to by the municipality and the property owner.*
- *Administrative restrictions – Where municipal council is limited in its ability to reasonably fulfill the statutory requirements for passing a designation bylaw within the original 120-day timeframe. This would apply in cases of a declared emergency.*
- *New and relevant information – Where new and relevant information that could have an impact on the potential cultural heritage value or interest of the property is revealed and needs further investigation.*
- *Council would be able to extend the timeframe through a council resolution to ensure there is enough time for further information gathering and analysis to inform its decision.*
- *Council would have an additional 180 days from the date of the council resolution to pass the bylaw.*

Exceptions allowing for the extension of the 120-day timeframe for passing a by-law must occur prior to the expiry of the initial 120 days. The proposed regulation includes notification requirements related to the exceptions to the 120-day timeframe.

Similar to the exemptions for the 90-day designation notice timeline, the proposed exemptions to pass a designation by-law, especially through mutual agreement, are generally considered helpful. The practice of passing a by-law soon after the objection period has expired (or an appeal has been resolved), is already undertaken in Grimsby for most designations. However, staff would note that implementing these regulations will require staff time to accomplish.

5. 60-day timeline to confirm complete applications, alteration or demolition and contents of complete applications

Amendments to the Ontario Heritage Act establish a new timeline of 60 days for the municipality to respond to a property owner about the completeness of their application for alteration of, or demolition or removal affecting, a designate heritage property. It also provides a regulatory authority for the Province to set out minimum requirements for complete applications. The purpose of these provincial minimum standards is to ensure transparency so that property owners are aware of what information is required when making an application. The

details of what is proposed in regulation reflect current municipal best practices. The proposed regulation also enables municipalities to build on the provincial minimum requirements for complete applications as a way of providing additional flexibility to address specific municipal contexts and practices. Where municipalities choose to add additional requirements, the proposed regulation requires them to use one of the following official instruments: municipal by-law, council resolution or official plan policy. The proposed regulation establishes that the 60-day timeline for determining if the application is complete and has commenced starts when an application is served on the municipality. It further proposes that applications may now be served through a municipality's electronic system, in addition to email, mail or in person.

The introduction of a timeline to confirm a complete application for heritage issues is new, but is not unwelcome as it will provide clarity for the property owner and the town. The list of submission requirement set out in the regulations is similar to the requirements that the town already requires; however, a more thorough review of any proposed materials should be undertaken and a report brought forward to Council to confirm Grimsby's list of required submissions and be adopted by municipal by-law as required by the regulation. The ability for the town to set its own additional requirements (through due process) is important to ensure that the town's heritage conservation goals are met.

However, staff note that the requirements for a complete application are only applied to subsections 33 (2) and 34 (2) of the *Ontario Heritage Act*, meaning that there are no requirements for a complete application for properties designated under Part V as part of heritage conservation districts. Staff recommend that the requirements for complete application also be applied to district properties.

6. Prescribed steps following council's consent to a demolition or removal under s. 34.3

Amendments to the Ontario Heritage Act provide that municipal council consent is required for the demolition or removal of any heritage attributes, in addition to the demolition or removal of a building or structure. This is because removal or demolition of a heritage attribute that is not a building or structure, such as a landscape element that has cultural heritage value, could also impact the cultural heritage value or interest of a property.

Prior to the amendments, where council approved a demolition or removal under s. 34, the Act required council to repeal the designation by-law. However, in cases where only certain heritage attributes have been removed or demolished, or where the demolition or removal was of a structure or building that did not have cultural heritage value or interest, the property might still retain cultural

heritage value or interest. In these cases, repeal of the by-law would not be appropriate.

The proposed regulation provides municipalities with improved flexibility by requiring council to first determine the impact, if any, of the demolition or removal on the cultural heritage value or interest of the property and the corresponding description of heritage attributes. Based on the determination council makes, it is required to take the appropriate administrative action, which ranges from issuing a notice that no changes to the by-law are required, to amending the by-law as appropriate, to repealing the by-law. Council's determination and the required administrative actions that follow are not appealable to LPAT.

The proposed regulation provides that, where council has agreed to the removal of a building or structure from a designated property to be relocated to a new property, council may follow an abbreviated process for designating the receiving property. The proposed regulation provides a series of administrative steps to support the designation by-law. Council's determination that the new property has cultural heritage value or interest and the subsequent designation by-law made under this proposed regulation would not be appealable to LPAT.

The requirement to issue notice for demolition of any heritage attributes of a property was a concern, however, the clarification that a repealing by-law may not be required for every demolition is helpful. Following the demolition or removal, if the cultural heritage value or interest and heritage attributes do not need amending, the only notice requirement is to the Ontario Heritage Trust, who are already required to receive notice of all decisions regarding alterations, demolitions, removals and relocations.

However, staff would note that the wording of the regulation is slightly confusing: "After the demolition or removal of a building, structure or heritage attribute on the property is complete, the council of the municipality shall, in consultation with the municipal heritage committee established under section 28 of the Act, if one has been established, make one of the following determinations.." Staff are unclear on if this means that removal of any building, even one that is not a heritage attribute (i.e. a modern garden shed), requires Council approval.

7. Information to be provided to LPAT upon an appeal with the exception of decisions made under section 34.3 as described above, all final municipal decisions related to designation, amendment and repeal, as well as alteration of a heritage property under the Act will now be appealable to LPAT, in addition to decisions related to demolition and Heritage Conservation Districts, which were already appealable to LPAT. The decisions of LPAT are binding. Preliminary objections to designation matters will now be made to the municipality, before the final decision is made. Prior to the amendments, appeals of designation-related notices or appeals of alteration decisions were made to the Conservation Review Board, whose decisions were not binding.

A regulatory authority was added to ensure that appropriate information and materials related to designations, alteration and demolition decisions are forwarded to the LPAT to inform appeals. The proposed regulation outlines which materials and information must be forwarded for every LPAT appeal process in the Act by the clerk within 15 calendar days of the municipality's decision.

The two-tier process of objection to the municipality, followed by appeal to the LPAT, is a noted concern as this new process will create delays for property owners, staff, the Grimsby Heritage Advisory Committee and Council. The updated regulation does not change this; it provides a list of the materials and information required for LPAT appeals.

8. Housekeeping amendments

Amendments to the Act included regulatory authority to address a few housekeeping matters through regulation. Previously, where a municipality proposed to make substantial amendments to an existing designation by-law it stated that the designation process in section 29 applied with necessary modifications. The proposed regulation clearly sets out the modified process, including revised language that is more appropriate for an amending by-law. The proposed regulation also makes it clear that there is no 90-day restriction on issuing a notice of proposed amendment to a by-law and provides that council has 365 days from issuing the notice of proposed amendment to pass the final amending by-law and that this timeframe can only be extended through mutual agreement.

The proposed regulation also outlines restrictions on a property owner's ability to reapply for repeal of a designation by-law where the application was unsuccessful, unless council consents otherwise. The one-year restriction on an owner's reapplication maintains what had been included in the Act prior to the amendments.

The ability to amend a heritage designation by-law is improved through the regulations that provide clarity to the stated process. Staff support this regulation as it will make it easier to update old designation by-laws as required, as well as make amendments to by-laws that require updating to remove listed heritage attributes as per the new regulation.

9. Transition

Section 71 of the Ontario Heritage Act establishes a regulation-making authority for transitional matters to facilitate the implementation of the amendments, including to deal with any problems or issues arising as a result of amendments. The proposed transition rules provide clarity on matters that are already in progress at the time the amendments come into force.

General Transition Rule

All processes that commenced on a date prior to proclamation would follow the process and requirements set out in the Act as it read the day before proclamation. The proposed regulation sets out the specific triggers for determining if a process had commenced.

Exceptions

Outstanding notices of intention to designate. Where council has published a notice of intention to designate but has not yet withdrawn the notice or passed the by-law at the time of proclamation, the municipality will have 365 days from proclamation to pass the by-law, otherwise the notice will be deemed withdrawn. Where a notice of intention to designate has been referred to the Conservation Review Board, the 365 days would be paused until the Board either issues its report or until the objection has been withdrawn, whichever occurs earlier.

90-Day restriction on issuing a NOID

The 90-day restriction on council's ability to issue a NOID would only apply where all notices of complete application have been issued by the municipality in relation to a prescribed Planning Act application, on or after proclamation.

Prescribed steps following council's consent to demolition or removal (s.34.3)

The ministry is proposing that the prescribed steps would apply following consent to an application by the municipality or by order of the Tribunal, where at the time of proclamation council had not already repealed the by-law under s. 34.3.

Staff would note that the transitions proposed will place increased demand on staff time and resources in order to prepare for the January 1, 2021 implementation deadline. As this has not been accounted or planned for, staff would recommend that the proclamation deadline be pushed to July 1, 2021 to allow municipalities more time to prepare, especially in consideration of the COVID-19 pandemic, which has already created additional stress on staff resources.

Regulatory Impact Assessment

The objective of the proposed regulation is to improve provincial direction on how to use the Ontario Heritage Act, provide clearer rules and tools for decision making, and support consistency in the appeals process. Direct compliance costs and administrative burdens associated with the proposed regulations are unknown at this time. New rules and tools set out in the proposed regulations are expected to result in faster development approvals.

There are anticipated social and environmental benefits as the proposed regulation seeks to achieve greater consistency to protecting and managing heritage property across the province.

Overall, staff support many of the proposed regulation changes, as they provide greater clarity for the new processes created through Bill 108. Some of the concerns identified

by the town in their comments on Bill 108 remain, such as all appeals being moved to the Local Planning Appeal Tribunal (LPAT) from the Conservation Review Board (CRB).

The proposed regulations appear to be consistent with the objectives of Provincial policy and the OHA to conserve significant cultural heritage resources. However, many of the town's existing processes will need to be adjusted to conform to the proposed regulation changes. Staff would recommend to the Province that more time be provided to municipalities to accommodate the new regulations, especially given that the COVID-19 pandemic is in the second wave and also because the revised Ontario Heritage Took Kit has not been provided for draft comment and review. Additionally, staff resources will need to be evaluated in light of the current volume of heritage alteration applications to ensure the delivery of heritage reports and notices occur within the specified timelines. The substantially reduced time limit for planning decisions in Bill 108, especially in regards to decisions for zoning by-law amendments, will create challenges for staff where heritage properties are involved in a planning application.

The Province has noted that the direct compliance costs and administrative burdens are unknown at this time. Staff would suggest that the cost and burden on already stressed municipalities operating in an ongoing pandemic would be significant.

Strategic Priorities

This report addresses the corporate strategic goal to: Protect, preserve and enhancing Grimsby's distinct heritage and culture

Financial Impact

There are no direct financial implications arising from the recommendations in this report. However, the proposed regulation changes will have undetermined financial impacts for the town.


Public Input

Members of the public may provide comments on Bill 108's proposed changes through the related postings on the Environmental Registry of Ontario (ERO) website.

Conclusion

As the impetus for the new proposed regulations is Bill 108, *The More Homes, More Choices Act*, staff remain concerned that the Province's stated objective to increase housing supply should not come at the expense of the Town of Grimsby's irreplaceable cultural heritage resources, as the purpose of the *Ontario Heritage Act* being to protect and conserve heritage properties.

Prepared by,



Name: Bianca Verrecchia

Title: Assistant Heritage Planner

Submitted by,



Name: Antonietta Minichillo

Title: Director of Planning, Building & Bylaw



OFFICE OF THE MAYOR
CITY OF HAMILTON

September 8, 2020

Honourable Doug Ford
Premier of Ontario
Premier's Office, Room 281
Legislative Building
Queen's Park
Toronto, ON M7A 1A1

Honourable Doug Downey
Attorney General
Ministry of the Attorney General
McMurtry-Scott Building
720 Bay Street, 11th Floor
Toronto, ON M7A 2S9

Subject: **Amending the AGCO Licensing and Application Process for Cannabis Retail Stores to Consider Radial Separation from Other Cannabis Locations**

Dear Premier & Attorney General,

Hamilton City Council, at its meeting held on August 21, 2020, approved a motion, Item 6.1, which reads as follows:

WHEREAS in late 2019 the Province of Ontario announced that the AGCO had been given regulatory authority to open the market for retail cannabis stores beginning in January 2020, without the need for a lottery;

WHEREAS the AGCO has continued to send Cannabis Retail Store applications to the City of Hamilton for the required 15-day comment period,

WHEREAS the City has reviewed 61 Cannabis Retail Store applications for comment since January 2020;

WHEREAS the AGCO does not take into consideration radial separation for Cannabis Retail Stores.

THEREFORE, BE IT RESOLVED:

.../3

- (a) That the Mayor contact the Premier of Ontario, Ministry of Attorney General, and local Members of Parliament to ask that the Province consider amending its licensing and application process for Cannabis Retail Stores to consider radial separation from other cannabis locations.
- (b) That the request be sent to other municipalities in Ontario, including the Association of Municipalities of Ontario for their endorsement.
- (c) That Staff be requested to submit heat maps outlining the location of all proposed AGCO Cannabis Retail Store in the City on all AGCO Cannabis Retail Store applications.

As per the above, we write to request, on behalf of the City of Hamilton, that the appropriate legislative and regulatory changes be made and implemented to the AGCO licensing and application process to take into consideration radial separation for Cannabis Retail Stores as a condition of approval for a license.

Currently the City of Hamilton has reviewed 61 cannabis retail location applications since January 2020. Approximately 12 of these potential locations are within 50m (or less) of each other.

The City of Hamilton appreciates that the AGCO conducts a background search prior to approving any licenses, however the lack of separation between locations poses a community safety issue, as the over saturation in specific area(s)/wards, can negatively impact the surrounding community with increased traffic flow, and an overall "clustering" of stores within a small dense area.

The City of Hamilton is confident that radial separations from cannabis retail locations will have a significant positive impact on the community and allow for its residents to continue to enjoy a safe and healthy community lifestyle.

Sincerely,

A handwritten signature in black ink, appearing to read 'Fred Eisenberger', with a stylized, flowing script.

Fred Eisenberger
Mayor

C: Hon. Donna Skelly, MPP, Flamborough-Glanbrook

Hon. Andrea Horwath, Leader of the Official Opposition, MPP, Hamilton Centre

Hon. Paul Miller, MPP, Hamilton East-Stoney Creek

Hon. Monique Taylor, MPP, Hamilton Mountain

Hon. Sandy Shaw, MPP, Hamilton West-Ancaster-Dundas



MCMA



Municipal Court Managers' Association on POA Modernization

Provincial Offences Act (POA) Courts play an integral role in the Ontario Court of Justice (OCJ) system with an average 1.5 million POA hearing events held across the province annually. The POA courts are part of the Ontario justice system that Ontarians are most familiar and most frequently access.

Prior to the pandemic, municipalities were calling on the Province to modernize the POA Courts due to increasing times to trial, limited judicial resources, increasing costs and restrictive legislation that stifles innovation. With the current OCJ order extending most time limitations under the POA and the suspension of in-person proceedings, this has created additional unanticipated pressures on the POA court system. Without significant improvements and a system that promotes greater flexibility and innovation, municipalities are at a disadvantage to move forward.

COVID-19 Related Backlogs

The recent OCJ order keeps courts closed for in person appearances until January 25, 2021 at the earliest (an unprecedented ten months plus court closure) and only recently permitted a limited number of non-trial hearings to proceed exclusively via audio conference. This has resulted in the adjournment of roughly 450,000 POA hearings across the province and drastically limits access to justice. It is not reasonable to assume regular POA operations will resume on that date. The focus should be on a joint venture between the Province and the Municipal Partners in identifying existing capabilities that can be leveraged to support the gradual resumption of court hearings mainly through remote means. To achieve this the MCMA is calling on the Province to:

1. Provide municipalities with the technology standards required to support the immediate implementation of remote hearings (video and audio).
2. Provide municipalities with a commitment to immediately focus recovery efforts to ensure full resumption of in-person POA services by *no later than January 22, 2021*.
3. Provide timely direction to Regional Senior Justices of the Peace to ensure they are engaged and committed to local recovery planning.



4. Provide a detailed roadmap and timeline for the transition to allow municipalities to start working through the backlog of court cases and allowing for registering of convictions for fail to respond matters.
5. Provide the judicial resources required to respond to the backlog.
6. Provide municipalities with access to OCJ digital tools to support access to justice and commit to ICON enhancements/upgrades to enable digital service delivery e.g. ehub, JVN.

Solutions to Improve Access to Justice:

One of the challenges faced by POA Courts is managing the high volume of trial requests. As POA tickets increase in demerit points and severity, an increasing number of defendants choose to exercise their right to trial. Issues such as not having the capacity within the current court schedule to accommodate increasing trial requests, provincewide shortages of judicial resources, and unforeseen court closures have all contributed to putting an additional strain on already limited POA court resources.

The following should be considered by the Province to ensure timely access to Justice:

1. Prioritize and implement those reforms of Bill 177 – *Stronger, Fairer Ontario Act* that will support active recovery and reduce pressure and delays on court dockets.
2. Provide adequate judicial resources to respond to the backlog.
3. Amend the *Provincial Offences Act* (POA) to allow the prosecutor and defendant or legal representative to agree to a resolution in writing for proceedings commenced under Part I or II of the POA in all courts not just legislated early resolution section 5.1 courts.
4. Implement an administrative penalty framework for all automated enforcement offences and for minor certificate offences to conserve valuable and scarce court time for matters requiring a judicial process.
5. Suspend the imposition of demerit points for prepaid fines where three or fewer points are involved for first time offender.



Creating a Sustainable Justice System through the Enforcement of Court Ordered Fines, and Decreasing Costs to POA:

Municipal operating costs have continued to increase due to; increasing operational and overhead costs; investments in new technology; increasing demand for disclosure and trials; and the imminent download of responsibility for Part III prosecutions to municipalities.

Meanwhile the ability to recover operating costs through fine revenue and administrative fees has decreased largely due to certain fines, administrative fees and court costs not being indexed to inflation and a limited number of tools to pursue fine enforcement.

In order to improve the financial credibility of POA courts for municipalities, the following needs to be considered by the Province:

1. Expand Section 441 of the *Municipal Act* allowing POA defaulted fines to be added to property tax rolls with joint ownership.
2. Index the fines for speeding in relation to inflation. Except for speeds of 30-34 over the speed limit, speeding fines remain unchanged since 1994, meanwhile inflation has increased by 81.9%.
3. Increase administrative fees under O. Reg. 945 to meet the real costs to deliver services and put a mechanism in place for regular review and updating of this regulation. The scale of costs under O. Reg. 945 have not increased since January 1, 2006.
4. Provide solutions for POA to obtain complete and reliable defendant personal information (i.e. date of birth, phone numbers, address, email, place of employment) to allow internal collections staff to actively engage the debtor.
5. Consider regulatory change to support preapproved payment plans as part of the extensions of time to pay application process.
6. Consider additional sanctions for fines involving a company-owned vehicle or for companies with Highway Traffic Act or Compulsory Automobile Insurance Act offences.

Improving Partnership to Streamline and Modernize Provincial Offences Court Program

There is a need to work on building more positive working relationships, where joint accountability between service delivery partners exists in practice, as identified in the Memorandum of



Understanding. In order to achieve an efficient justice system, the province needs to look at prioritizing where judicial resources are allocated. The general public is most likely to encounter the justice system at the POA court level and without adequate resources this directly impacts access to justice. There is an equal responsibility on the province to provide these resources and for too long municipal court managers have had to find innovative methods to make things work with limited support.

The MCMA feels that in order to truly modernize and streamline the justice system there needs to be representation at the table where decisions are being made to modernize technology for the sections of the OCJ administered by the province. Without consulting as an equal partner municipalities who administer POA, technology and procedural gaps become problematic for the judicial bench, justice sector stakeholders and the public, whom we all serve. The current OCJ table for MAG should include municipal representation. It is important to develop a proper decision-making structure to ensure that recommendations and potential concerns are heard and considered before Ministries develop programs that could potentially produce greater pressures on the POA courts system.

Partner municipalities have demonstrated their ability over the last 20 years to deliver excellence in court services and respond to the local needs of court users. The pandemic has amplified the concern's municipalities have long had with the operations of the POA courts. With increasing backlogs there is a need for:

- Advancement of modernization through an organized measured partnership approach
- Demonstration of equal partnership and sharing of responsibility through meetings between the municipal leaders, the Premier, the Attorney General and the Minister of Transportation to discuss the current issues at POA courts across the province
- Urgent legislative and regulatory reforms.



Picture Yourself Here: An Economic Snapshot of Temiskaming Shores

Commentary No. 45 | November 2020

By: Mercedes Labelle

NORTHERN
POLICY INSTITUTE

INSTITUT DES POLITIQUES
DU NORD

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Land acknowledgement

Northern Policy Institute (NPI) would like to acknowledge the First Peoples on whose traditional territories we live and work. NPI is grateful for the opportunity to have our offices located on these lands and thank all the generations of people who have taken care of this land.

Our main offices:

- Thunder Bay on Robinson-Superior Treaty territory and the land is the traditional territory of the Anishnaabeg and Fort William First Nation
- Sudbury is on the Robinson-Huron Treaty territory and the land is the traditional territory of the Atikameksheng Anishnaabeg as well as Wahnapiatae First Nation
- Both are home to many diverse First Nations, Inuit and Métis peoples.

We recognize and appreciate the historic connection that Indigenous people have to these territories. We recognize the contributions that they have made in shaping and strengthening these communities, the province and the country as a whole.

This report was made possible through the support of our partner, Northern Ontario Heritage Fund Corporation. Northern Policy Institute expresses great appreciation for their generous support but emphasizes the following: The views expressed in this commentary are those of the author and do not necessarily reflect the opinions of the Institute, its Board of Directors or its supporters. Quotation with appropriate credit is permissible.

Author's calculations are based on data available at the time of publication and are therefore subject to change.

Editor: Barry Norris

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About the Northern Analyst Cooperative:

The Northern Analyst Cooperative is a membership group of organizations, municipalities, charities, chambers, and more. By merging our collective resources, we can ensure that the smallest municipality or local charity can access high-end skills. The expert's salary and benefits are covered in part by NPI/IPN and our sponsors, and in part through the membership fees paid by participating organizations. The end result is members are able to secure the skills they need when needed.

About Northern Policy Institute:

Northern Policy Institute is Northern Ontario's independent think tank. We perform research, collect and disseminate evidence, and identify policy opportunities to support the growth of sustainable Northern communities. Our operations are located in Thunder Bay and Sudbury. We seek to enhance Northern Ontario's capacity to take the lead position on socio-economic policy that impacts Northern Ontario, Ontario, and Canada as a whole.

Project Partners:

Temiskaming Shores Economic Development Office

The City of Temiskaming Shores is a bustling community composed of the three former municipalities of Haileybury, New Liskeard and Dymond. The community is located at the head of beautiful Lake Temiskaming that stretches over 100 kilometers south before becoming the Ottawa River. The City is the service and commercial hub of a large agricultural, forestry and mining region. There are several excellent hotels, restaurants, resorts and lodges to look after all the needs of travelers.

About the Author

Mercedes Labelle



Mercedes Labelle graduated from McGill University in 2020 with an Honours Bachelor of Political Science and Urban Systems. During her studies, she focused on Canadian politics and public policy processes, specifically researching the uneven distribution of benefits and services between urban and rural communities. At McGill, Mercedes provided analysis on Canadian Politics for the McGill Journal of Political Studies (MJPS). Through her involvement with MJPS, Mercedes developed a deeper understanding of the diverse interests and needs of the Canadian population. Having grown up in Canada, the United States, and Spain, Mercedes is eager to return to Northern Ontario, where her family now resides. In her free time, Mercedes enjoys listening to podcasts, cooking, and reading.

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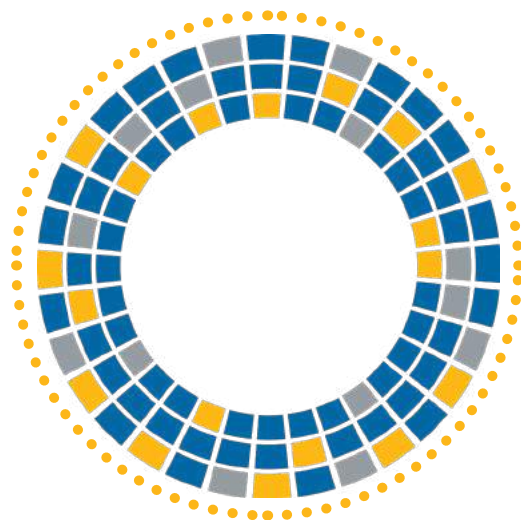
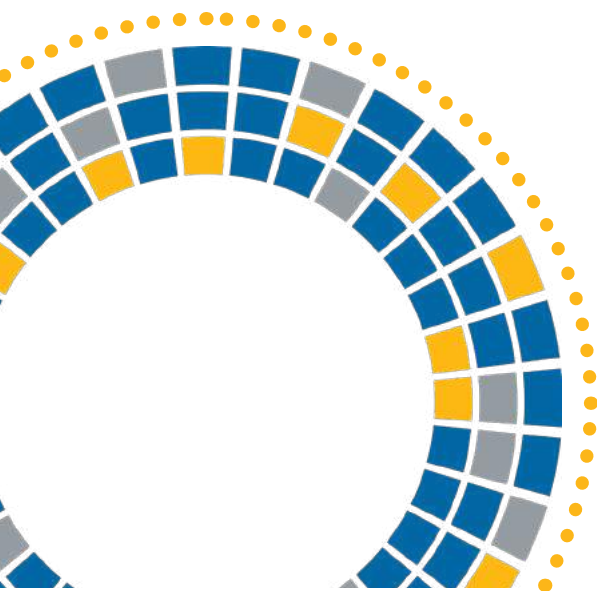
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Executive Summary

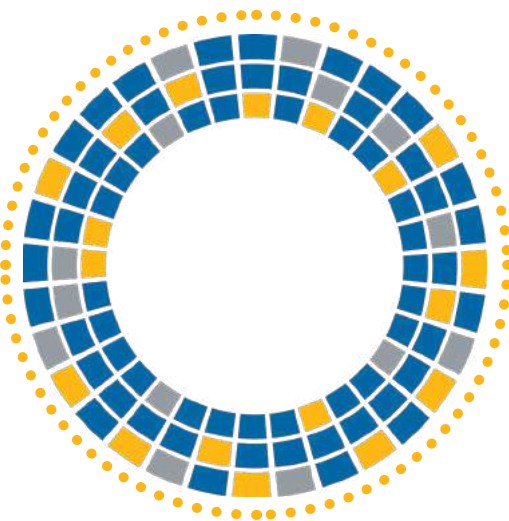
The City of Temiskaming Shores has prospects for future growth and economic prosperity based on the economic potential of the Indigenous population, the city's strategic location for transportation and tourism, and its low cost of living. Economic development indicators allude to growing business and employment opportunities – specifically in management, health, and natural resource-related occupations; transportation is an already prevalent and established industry. Current trends, alongside measures already undertaken by the city – and combined with relatively low housing costs and the presence of multiple post-secondary institutions – indicate there are resources and opportunities in place for continued economic development in Temiskaming Shores.

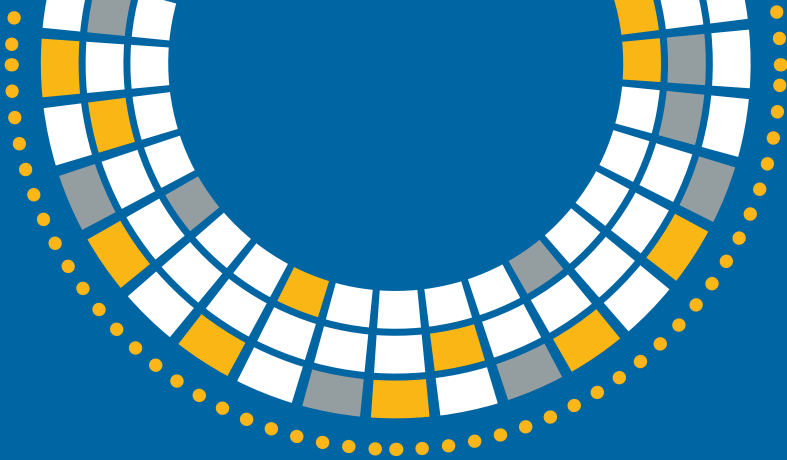
Introduction

The purpose of this paper is to provide an economic profile of the City of Temiskaming Shores, a city located between North Bay and Timmins with a population of 9,920 in 2016. The economic profile analyzes the state of the local economy, demographics, labour force, income, education, and housing to better understand measures the city has undertaken to promote economic development. Additionally, the economic profile can be used to further develop Temiskaming Shores' business opportunities, investment prospects, migration streams, and labour priorities.


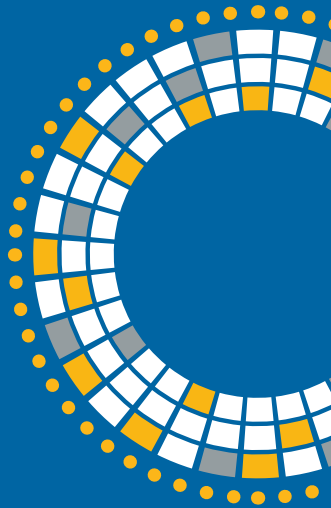
This paper is complementary to the data and information found on the City of Temiskaming Shores' website. With many attractive features, such as low dwelling costs, rising median individual income rates, and a high relative percentage of Francophone and Indigenous residents, Temiskaming Shores has a lot to offer its existing population, newcomers, and investors.

This project has been carried out under the Northern Analyst Cooperative agreement, which allows members to “time share” a professional policy analyst. By merging Northern Policy Institute and member organizations' collective resources, the agreement ensures that the smallest municipality or local charity can access high-end skills at an affordable price.





**“...Temiskaming Shores
has a lot to offer its existing
population, newcomers,
and investors.”**



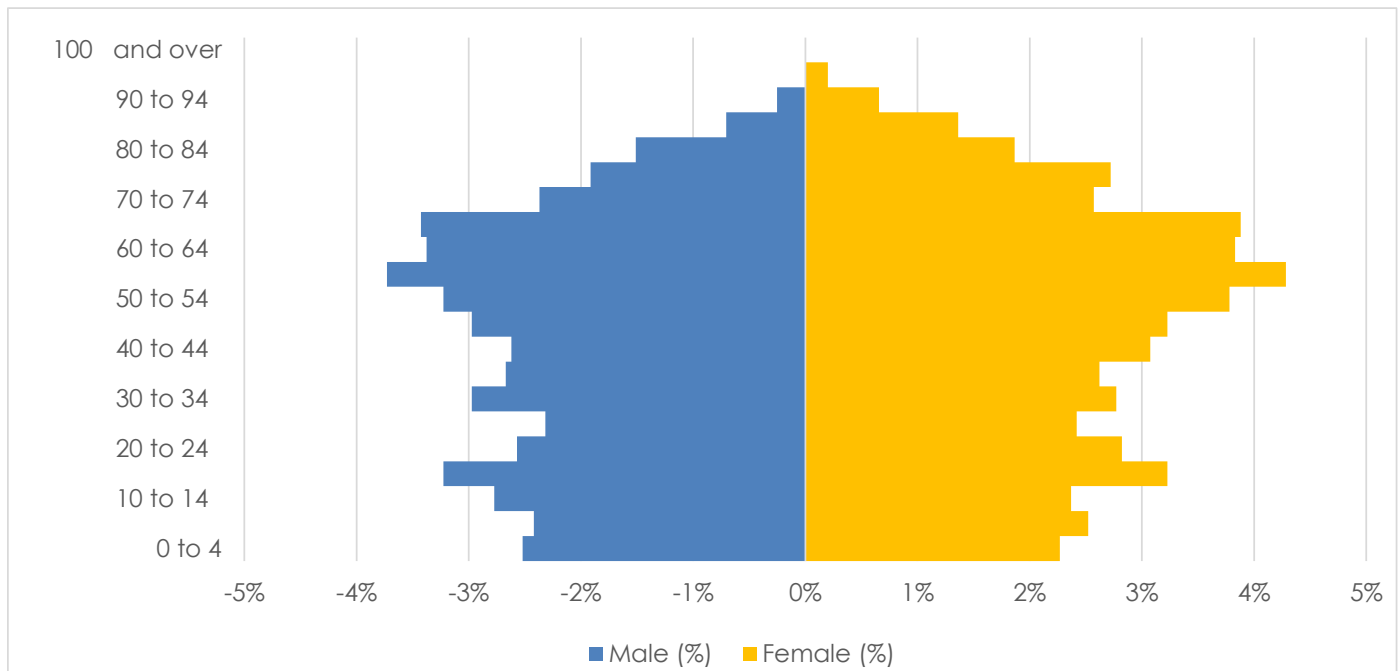
Demographics

Temiskaming Shores' population is aging. In 2016, the share of the Temiskaming Shores population that was of working age (15 to 64) was 63.1 percent, compared with the Canada-wide share of 68.5 percent. The share of the population that are dependents (0 to 14, 65 and over) was 35.9 percent. The percentage of those ages 65 and older was 21.7 percent, compared with the Canadian average of 14.8 percent.

The largest population bloc in the region in 2016 consisted of 55-to-59-year-olds, meaning that many residents were fast approaching retirement age. An aging population, however, also indicates the potential for new openings in the labour market as workers retire. According to Statistics Canada, a "sizeable share" of seniors ages 65 and older are likely to be socially and/or economically dependent on working-age Canadians (ages 15 to 64), and they put additional demands on health services (Statistics Canada 2016c). Thus, as the population ages, there will be a higher demand for occupations in the health and social assistance industries.

Temiskaming Shores has responded to the needs of its elderly population in part by developing an "Age Friendly Community Plan" that identifies short-, medium-, and long-term goals with respect to communications and information, outdoor spaces and public buildings, housing, social participation, transportation, community support and health services, respect and social inclusion, volunteering, civic participation, and employment (Temiskaming Shores 2018).

Figure 1: Population, by Age and Sex, Temiskaming Shores, 2016



Source: Author's calculations from Statistics Canada (2016a).

Approximately three percent of Temiskaming Shores' population is composed of immigrants, compared with 29 percent in Ontario and 22 percent in Canada as a whole. Newcomers to Temiskaming Shores can access settlement services via the North Bay and District Multicultural Centre. Services include needs assessment and referrals, information and orientation, community connections, and language services (NBDMC n.d.). The presence of settlement service providers, English-as-a-second-language programs, and community engagement opportunities aid in attracting and retaining newcomers (see Biles 2011; Painter 2013). Immigrants often bring with them international training and education that can contribute to Temiskaming Shores' labour market. Immigrants can provide valuable insights and multiple perspectives developed by their different backgrounds. The City of Temiskaming Shores attracted 305 immigrants between 1991 and 2016, the majority sponsored by family – indicating that family attraction and reunification migration is one of the pathways immigrants create for bringing others from their country of origin.

Population Breakdown

Temiskaming Shores has a higher percentage of Francophones¹ in the total population than the provincial average (see Figure 2). The city's proximity to Quebec, coupled with its high proportion of Francophones, could aid in attracting other French speakers to the region, either permanently or for tourism-related visits.

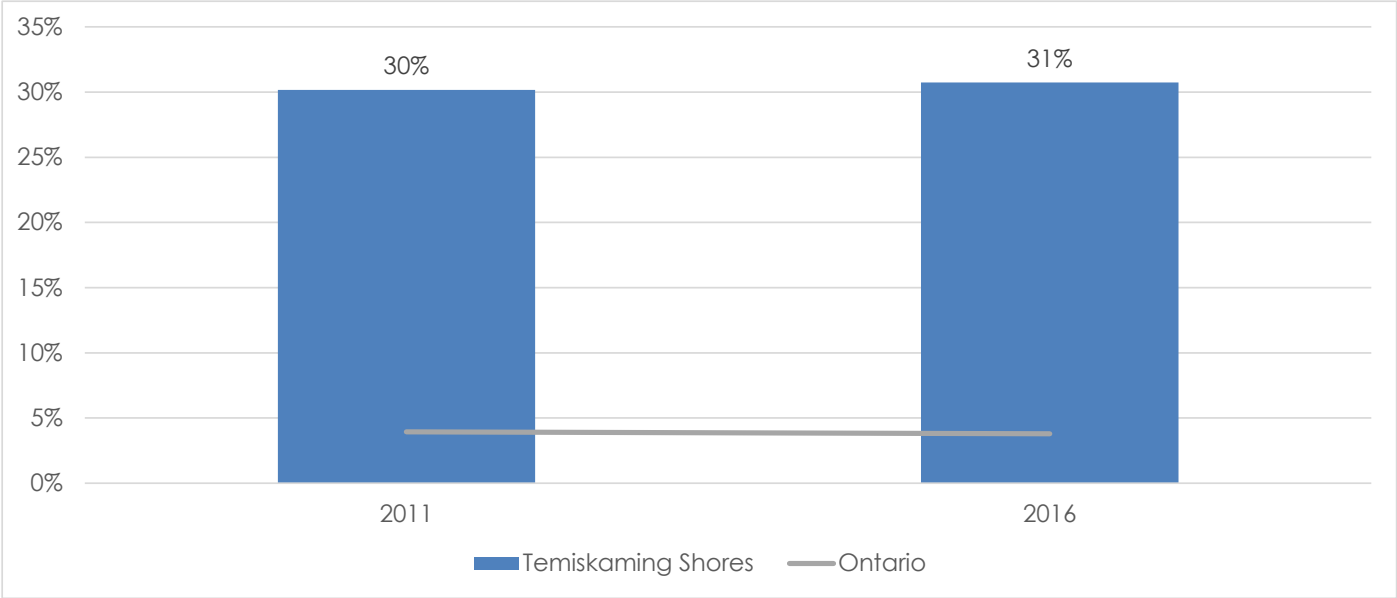
In common with other regions of Northern Ontario, Temiskaming Shores, which is situated on traditional Algonquin/Ojibwe territory, also has a higher percentage of Indigenous peoples² than the province-wide average. In fact, 78 percent of First Nations communities in Ontario are located in Northern Ontario (Ontario 2020). The surrounding First Nations communities include: Matachewan First Nation, Beaver House First Nation, Temagami First Nation, and Timiskaming First Nation. According to the Temiskaming Shores Relocation Guide, "[t]he majority of the [I]ndigenous population in the area are of Algonquin and Ojibwe tribes" (Temiskaming Shores 2019, 7).

In 2016, there were 590 Indigenous people in Temiskaming Shores, accounting for 6.1 percent of the total population, compared with 2.8 percent for the province as a whole (Figure 3). The rising share of the Indigenous population can be explained primarily by significantly higher fertility rates among the Indigenous population in the Temiskaming District than the Northeast Ontario average (Moazzami 2019, 14). Additionally, in general, the Indigenous population is much younger than the non-Indigenous population, meaning that Indigenous people could represent an increasingly significant portion of the region's workforce in coming years. Temiskaming Shores has resources, both Indigenous and non-Indigenous led, to promote the facilitation of Indigenous people into the workforce. One such resource is Keepers of the Circle Aboriginal Family Learning Centre, which provides "licensed child care services, healthy lifestyle education, prenatal nutrition, referrals to community services and family support services for children and families. [The Centre] also offer[s] cultural workshops such as making drums, dream catchers, moss bags and moccasins" (Temiskaming Shores 2019, 7). Additional employment and training services to facilitate labour market integration include Employment Options Emploi, Service Canada, Community Living Temiskaming South, and Professions North/Nord. Training services, such as post-secondary institutions and literacy and apprentice programs, are also available to residents of Temiskaming Shores (FNETB 2020, 6–11).

¹ Statistics Canada measures the Francophone population by "First Official Language Spoken – French."

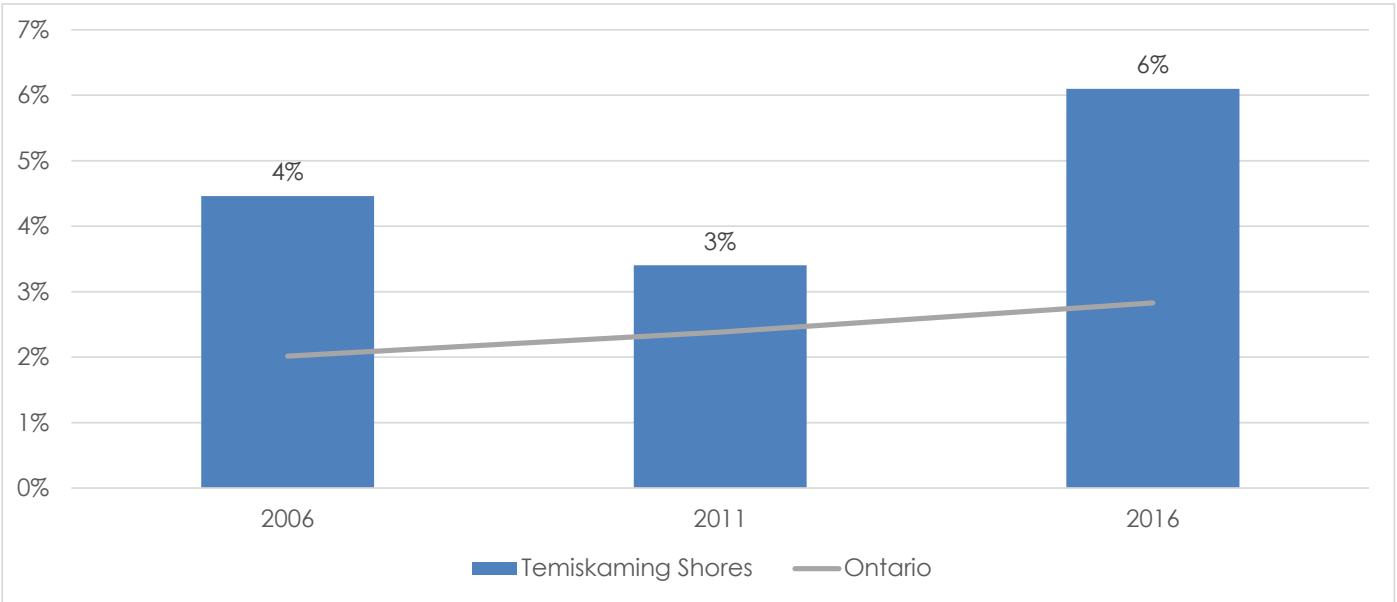
² This paper adopts Statistics Canada's definition of "Indigenous" as persons who reported identifying with at least one Indigenous group – that is, North American Indian, Métis, or Inuit, and/or those who reported being a Treaty Indian or a registered Indian, as defined by the Indian Act, and/or those who reported they were members of an Indian band or First Nation

Figure 2: Francophones as Total Percentage of the Population, Temiskaming Shores, 2011 and 2016



Source: Author's calculations from Statistics Canada (2011a, 2016b).

Figure 3: Indigenous Peoples as Total Percentage of the Population, Temiskaming Shores, 2006–16



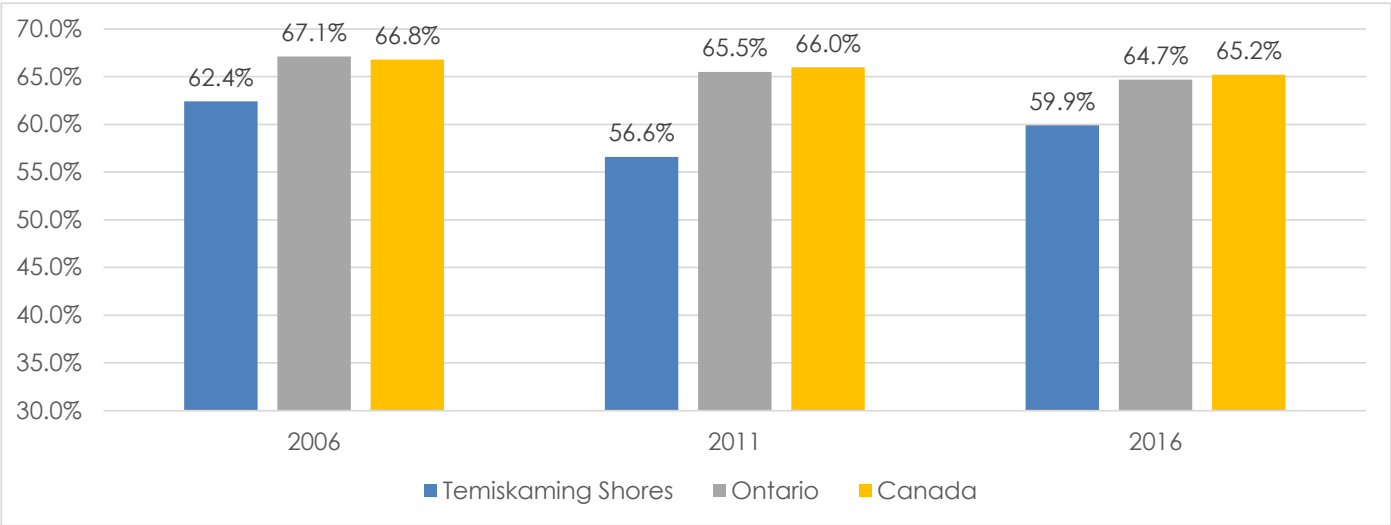
Source: Author's calculations from Statistics Canada (2006, 2011b, 2016b).



Labour Force Characteristics

The City of Temiskaming Shores' labour force participation rate³ is lower than that of either Ontario or Canada, but it has increased since 2011, when the Canadian economy was still experiencing the aftershocks of the 2007–8 financial crisis. Notably, as Figure 4 shows, between 2011 and 2016, Temiskaming Shores' labour market participation rate increased by 5.8 percentage points, while both Ontario's and Canada's declined by 1.2 percentage points.

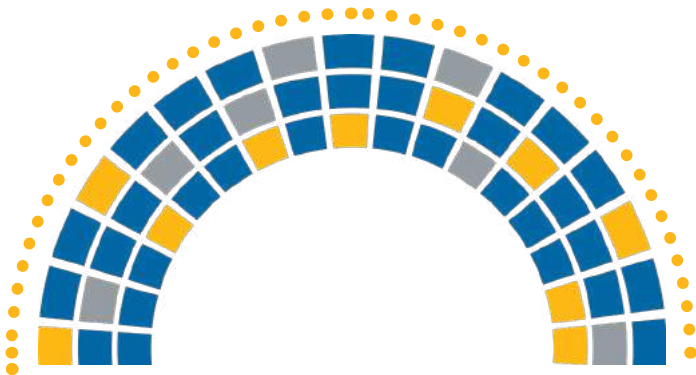
Figure 4: Total Labour Force Participation Rate, by Region and Year, 2006-16



Source: Author's calculations from Statistics Canada (2006, 2011b, 2016b).

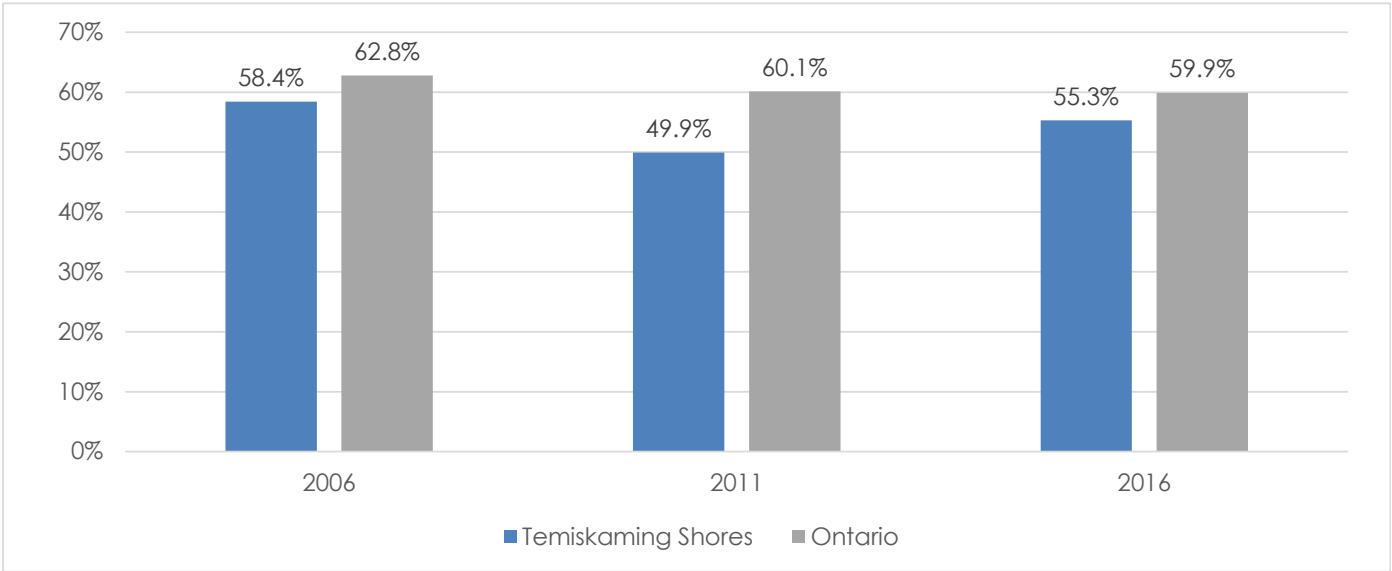
Also as a result of lasting consequences of the 2007–8 financial crisis, the labour market participation rate dropped in 2011, the unemployment rate rose (and subsequently, the employment rate dropped). Again, as Figure 5 shows, Temiskaming Shores, with a 5.4 percentage point increase in its employment rate between 2011 and 2016, was recovering from the crisis at a faster rate than was Ontario, with a decline of 0.2 of a percentage point.

Rising employment rates and declining unemployment rates indicate that people who want to work in Temiskaming Shores are increasingly able to find a job. In addition, excluding abnormalities in 2011, the workforce in 2016 had approximately an equal share of full- and part-time employees, showing diversity in opportunities to participate in the labour market.



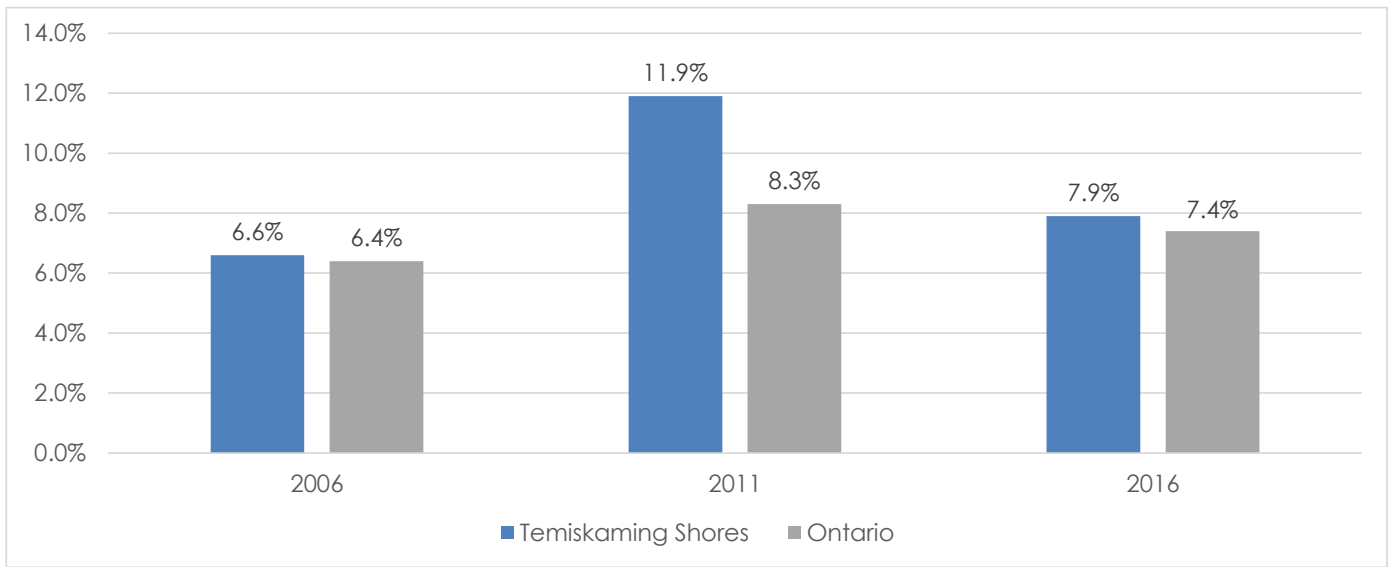
³ The participation rate measures the total labour force – comprising those who are employed and unemployed, combined – relative to the size of the working-age population.

Figure 5: Employment Rate, by Region and Year, 2006-16



Source: Author's calculations from Statistics Canada (2006, 2011b, 2016b).

Figure 6: Unemployment Rate, by Region and Year, 2006-16



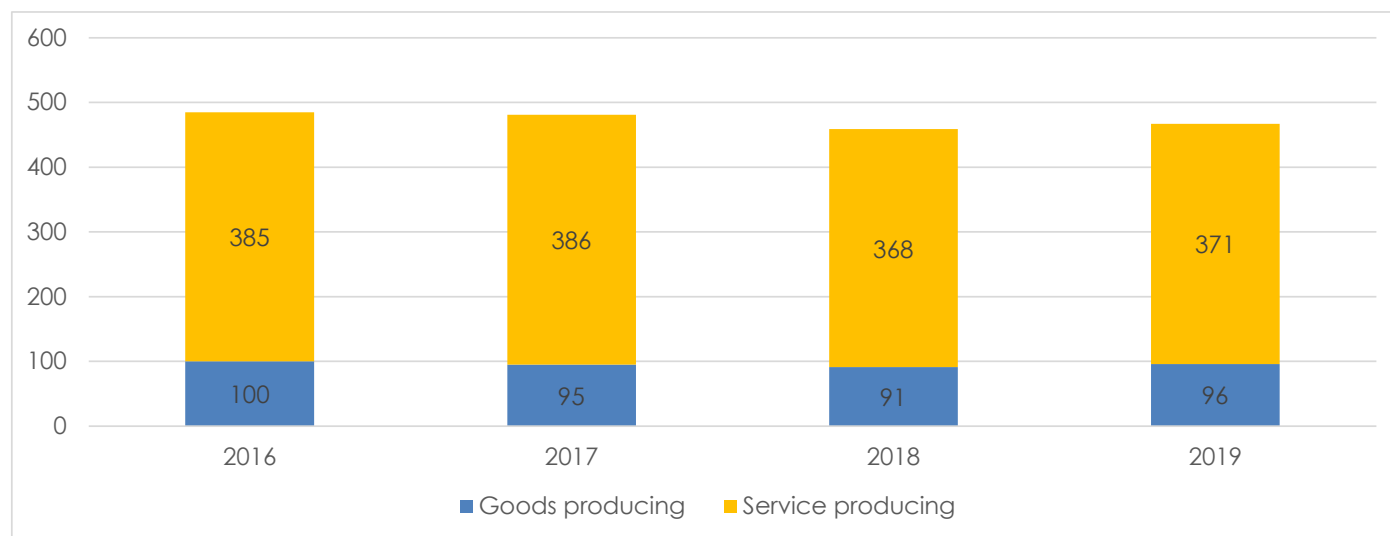
Source: Author's calculations from Statistics Canada (2006, 2011b, 2016b).

Although Temiskaming Shores did endure an unfavourable labour market position in 2011, this was not unique to the city. The Global Financial Crisis had lasting effects on Canadian cities, but Temiskaming Shores was able to recover from the jolt at a solid rate, as indicated by 2016 in increasing rates of labour market participation, employment, and cost of dwelling, as explored below. Declining levels of unemployment and government transfer rates also show solid economic recovery, leaving Temiskaming Shores in a favourable position.

Occupation, Industry, and Business

In terms of numbers, the largest business sectors in Temiskaming Shores are retail trade; health care and social assistance; and construction. Service-producing industries include wholesale trade, retail trade, and transportation and warehousing.⁴ Goods-producing industries include agriculture, forestry, fishing and hunting; mining, quarrying, and oil and gas extraction; utilities; construction; and manufacturing. After a decline in 2016, data from 2018–19 show the beginning of a slight increase in the number of businesses operating in Temiskaming Shores (Figure 7). Temiskaming Shores provides a directory of employment, training, business, and related services in the community (see FNETB 2020).

Figure 7: Business Count, by Goods- or Service-producing Firms, Temiskaming Shores, 2016–19



Source: Author's calculations from Statistics Canada, "Canadian Business Counts," various issues.

The occupations with the highest share of the labour force are sales and services, trades; transport and equipment operators, and occupations in education; law and social; community and government services. The occupations with the largest growth in the number of jobs between 2011 and 2016, however, were those in natural resources, management, and health – particularly, under natural resources, agriculture and related production occupations, where employment increased from 125 in 2011 to 230 in 2016 (see Table 1). According to the City of Temiskaming Shores, the city is the "commercial hub of a large agricultural, forestry and mining region. It is endowed with a rich resource base – approximately 65.6% of the City's land base is used for agricultural production and the underlying geology has potential for mineral extraction" (Temiskaming Shores 2019, 5).

The growth in management occupations in Temiskaming Shores is consistent with findings by a series of Northern Policy Institute reports on present and future labour market shortages in Northern Ontario's largest cities – North Bay, Timmins, Greater Sudbury, Sault Ste. Marie, and Thunder Bay - all five of which face a growing need for management occupations. The growth of such occupations in Temiskaming Shores is indicative of workers being available to meet the growing demand.

Health-related occupations in all five cities are also in need of workers (Ross 2020) due to their aging populations. In Temiskaming Shores between 2011 and 2016, the number of workers in health occupations increased from 370 to 430, indicating the increasing demand for health care resources as its population ages (CIHI 2013). The Temiskaming Shores area is served by the Temiskaming Hospital, Englehart and District Hospital, and Kirkland and District Hospital, as well as by clinics, pharmacies, long-term care homes, and other health-related institutions.

⁴ Service-producing industries also include information and cultural industries; finance and insurance; real estate and rental and leasing; professional, scientific, and technical services; management of companies and enterprises; administrative and support; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; other services (except public administration); and public administration (Statistics Canada).

Another area Temiskaming Shores can focus on for its economic development is strengthening its already prominent sectors. Transportation was one of the largest employers in 2016, with 815 jobs. With the city's strategic location along Highway 11 and Highway 65 and its proximity to Quebec, these convenient transportation linkages could be used to advance Temiskaming Shores' economic ambitions in this sector (Conteh 2017, 24).

Table 1: Labour Force Composition by Occupation, Temiskaming Shores, 2011 and 2016

National Occupation Classification	2011	2016	Rate of Change (%)
Sales and service occupations	1,195	1,150	-3.8
Trades; transport and equipment operators and related occupations	920	815	-11.4
Occupations in education; law and social; community and government services	655	695	6.1
Business; finance and administration occupations	570	635	11.4
Management occupations	385	470	22.1
Health occupations	370	430	16.2
Natural and applied sciences and related occupations	180	200	11.1
Occupations in manufacturing and utilities	175	160	-8.6
Natural resources; agriculture and related production occupations	125	230	84.0
Occupations in art; culture; recreation and sport	70	75	7.1

Source: Author's calculations from Statistics Canada (2011b, 2016b).



Finally, the largest industries, by share of the labour force, are retail trade, health care and social assistance, and education services (Table 2). The share of occupations in the retail trade industry declined between 2011 and 2016, while the share in the health care and social assistance industry increased. Health care and social assistance industries play a large role in the economic makeup of Temiskaming Shores, and will likely continue to do so for years to come, given the region's aging population.

Table 2: Labour Force Composition by Industry, Temiskaming Shores, 2011 and 2016

Industry	2011	2016	Rate of Change (%)
Retail trade	1,010	770	-24
Health care and social assistance	675	760	13
Educational services	475	465	-2
Construction	410	400	-2
Manufacturing	350	315	-10
Other services (except public administration)	250	260	4
Accommodation and food services	245	285	16
Public administration	235	245	4
Mining; quarrying; and oil and gas extraction	215	220	2
Transportation and warehousing	175	250	43
Professional; scientific and technical services	115	190	65
Finance and insurance	95	110	16
Information and cultural industries	80	90	13
Wholesale trade	75	55	-27
Administrative and support; waste management and remediation services	60	140	133
Agriculture; forestry; fishing and hunting	55	95	73
Arts; entertainment and recreation	50	80	60
Utilities	40	70	75
Real estate and rental and leasing	35	50	43
Management of companies and enterprises	0	0	N/A

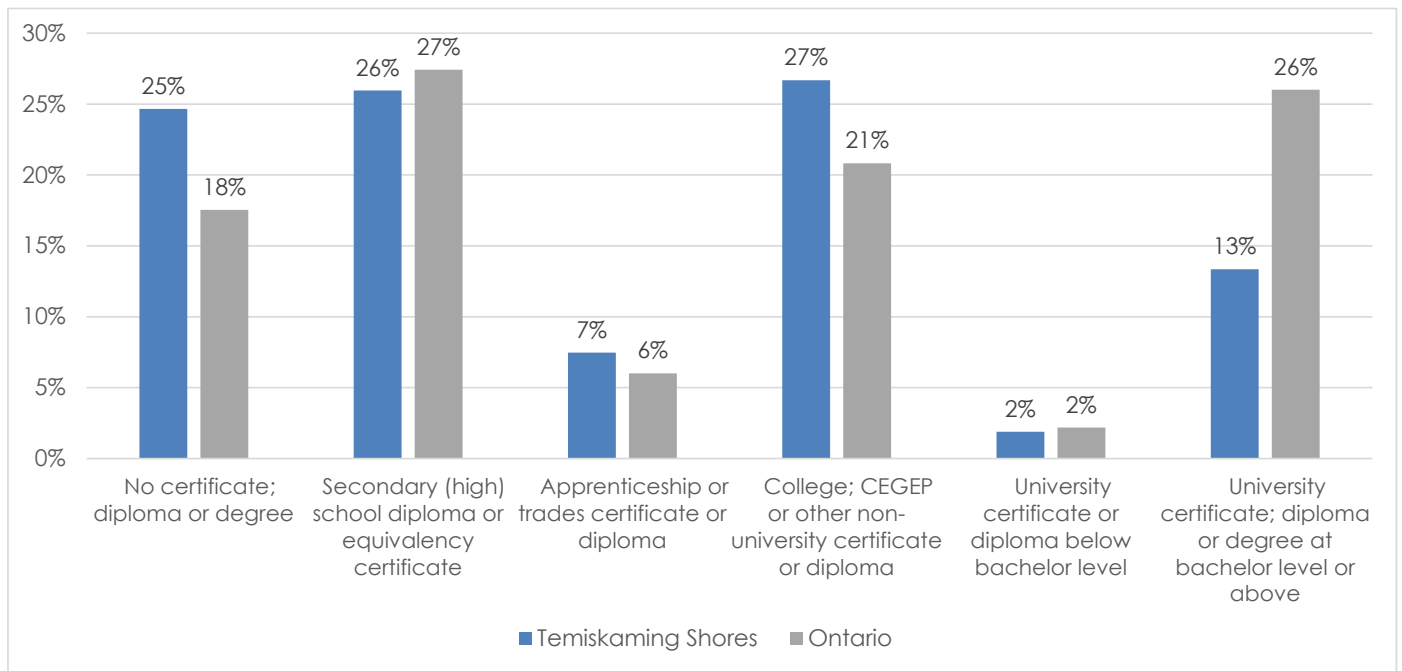
Source: Author's calculations from Statistics Canada (2011b, 2016b).



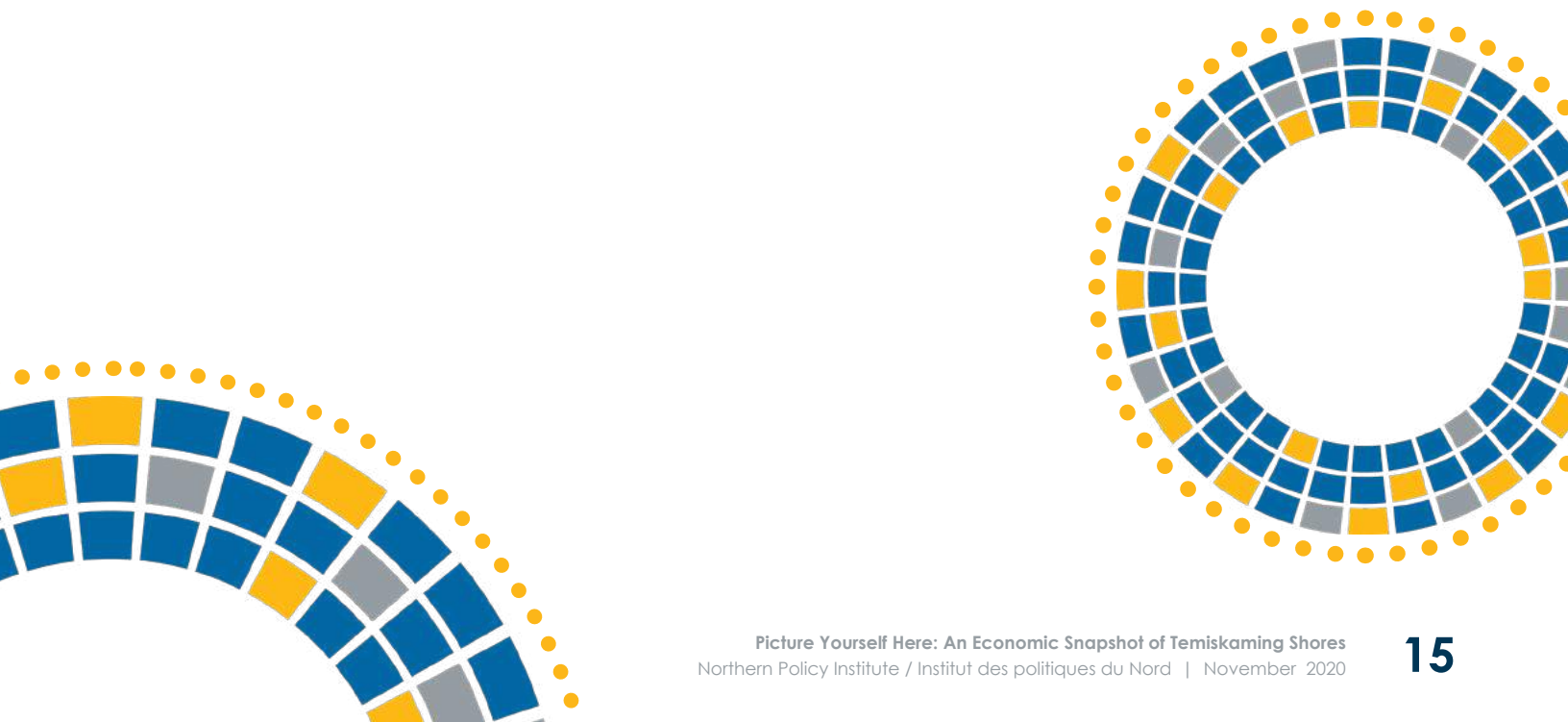
Education

Of the population of Temiskaming Shores over age 15 in 2016, 75.4 percent had at least a high school diploma, compared with 82.5 percent province-wide (see Figure 8). This is likely due to the large older population, as those without a high school diploma include the very young and very old (Statistics Canada, 2016b). Notably, the share with a college diploma was higher in Temiskaming Shores than the Ontario average, perhaps due to the presence of multiple post-secondary educational institutions in the city: Collège Boréal, Northern College, 5th Wheel Training Institute, Literacy Council of South Temiskaming, and Centre d'éducation des adultes (Temiskaming Shores 2019, 21).

Figure 8: Highest Level of Education, as a percentage of Total Population, Temiskaming Shores and Ontario, 2016



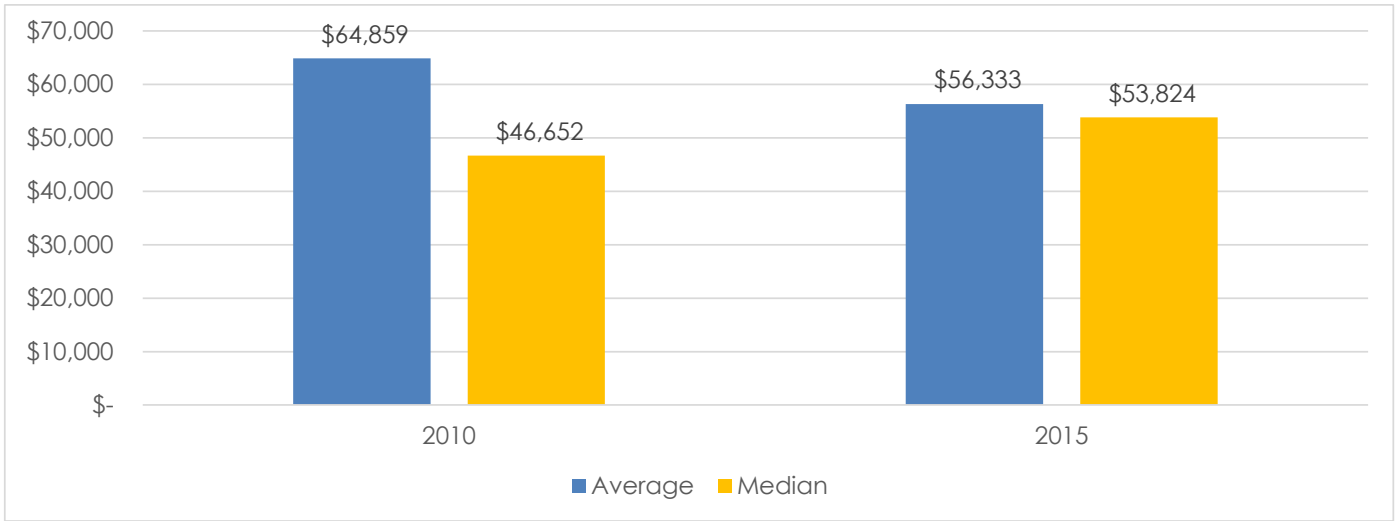
Source: Author's calculations from Statistics Canada (2016b).



Income

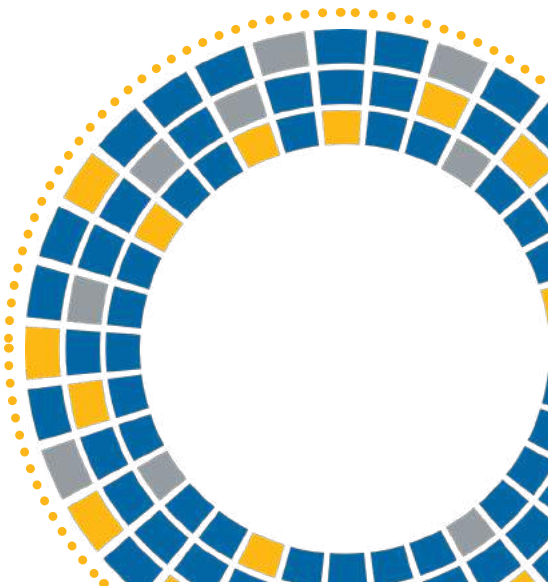
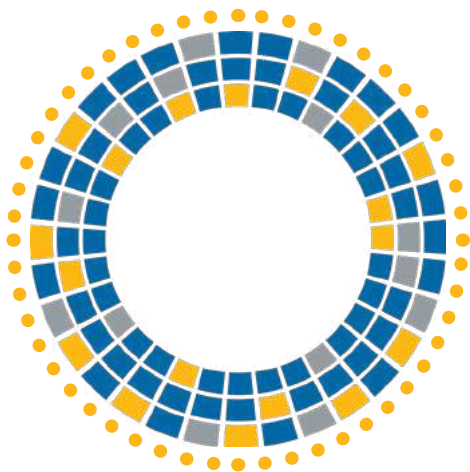
As Figure 9 shows, although median after-tax household income in Temiskaming Shores increased from 2010 to 2015, average after-tax income decreased by \$8,526. Median household income can be more accurate in summarizing the household income of a particular location because it is not easily influenced by a large number of extremely high- or low-income households. Decreasing average after-tax income, however, can indicate a more equal distribution of income over time. Although both average and median after-tax household incomes are lower in Temiskaming Shores than in Ontario as a whole and Canada, these lower incomes are offset to some extent by relatively lower costs of living in Temiskaming Shores.

Figure 9: Average and Median After-Tax Household Income, Temiskaming Shores, 2010 and 2015



Note: Median and average total income are calculated among those who have income.

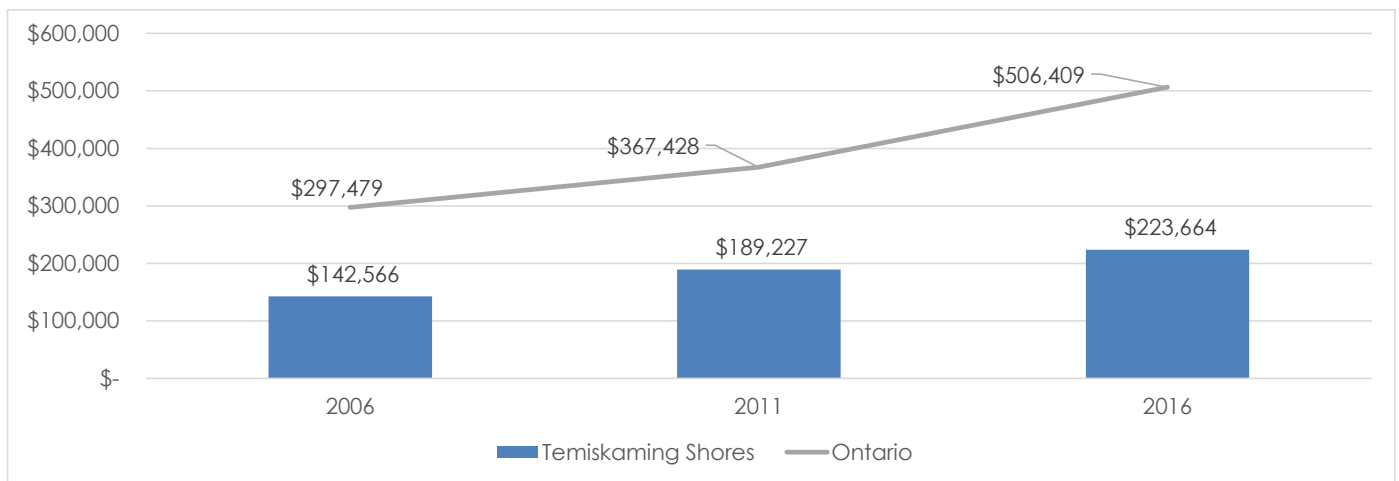
Source: Author's calculations from Statistics Canada (2011b, 2016b).



Housing

The average value of a dwelling is significantly lower in Temiskaming Shores than the Ontario or Canadian average, but rising – increasing by 56.9 percent between 2006 and 2016, although still by less than the Ontario average increase of 70.2 percent over the same period. Rising housing prices can indicate dwellings as a good investment with high future returns, and they increase property wealth among current homeowners.⁵

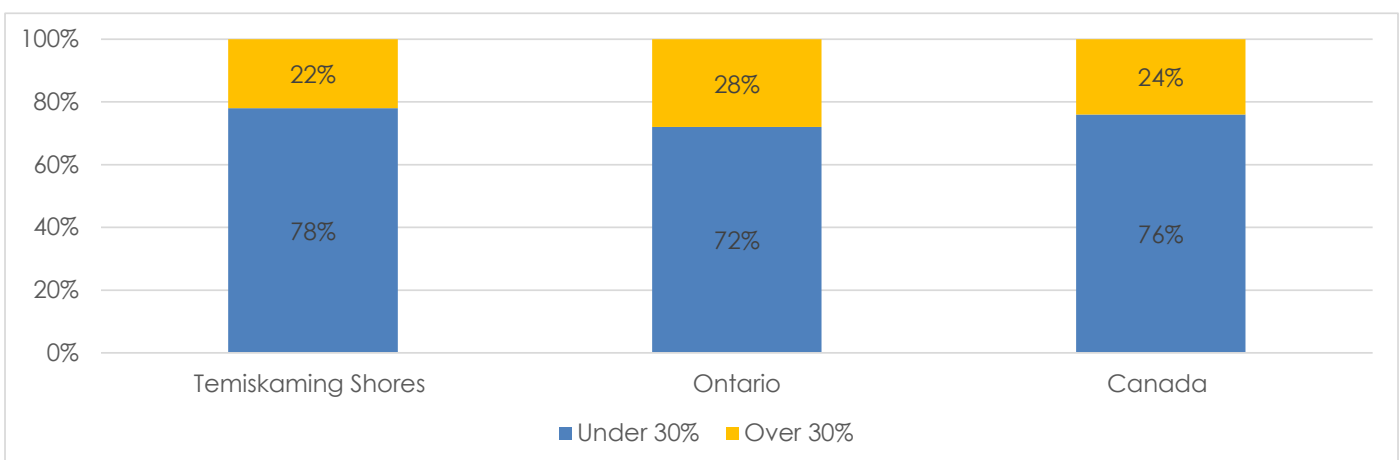
Figure 10: Average Value of Dwelling, Temiskaming Shores and Ontario, 2006-16



Source: Author's calculations from Statistics Canada (2006, 2011b, 2016b).

Also in its favour, as Figure 11 shows, in 2016 Temiskaming Shores had a lower share than either the Ontario or Canadian average of households that spent over 30 percent of their income on shelter costs – the benchmark of housing affordability (Statistics Canada 2016d). "Shelter costs" refers to the "average monthly total of all shelter expenses paid by households that own or rent their dwelling" (Statistics Canada 2016e). These costs could include mortgage payments or rent, property taxes, and costs of electricity, heat, water, and other municipal services.

Figure 11: Household Income Spent on Shelter Costs, Temiskaming Shores, Ontario, and Canada, 2016



Source: Author's calculations from Statistics Canada (2016b).

⁵ For more information about housing prices and their implications for the local economy, see Bevilacqua (forthcoming).

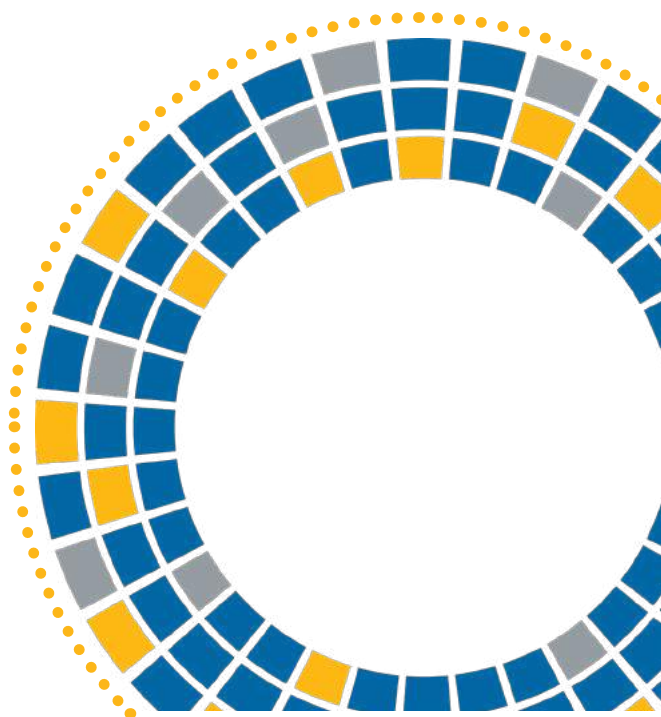
Conclusion

Temiskaming Shores has prospects for future growth and economic prosperity based on the potential of the Indigenous population, the city's strategic location for transportation, and its relatively low cost of living. Economic development indicators allude to growing business and employment opportunities – specifically in management, health, and natural resource-related occupations. Current trends paired with measures already undertaken by the city indicate resources and opportunities are in place for continued economic development in the City of Temiskaming Shores.

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About Northern Policy Institute

Northern Policy Institute is Northern Ontario's independent think tank. We perform research, collect and disseminate evidence, and identify policy opportunities to support the growth of sustainable Northern Communities. Our operations are located in Thunder Bay and Sudbury. We seek to enhance Northern Ontario's capacity to take the lead position on socio-economic policy that impacts Northern Ontario, Ontario, and Canada as a whole.

Related Research

A Tale of Ten Cities

Anthony Noga

Northern Projections Human Capital Series: Timiskaming District

Dr. Bakhtiar Moazzami

Places to Grow: Best Practices for Community-based Regional Economic Development in Ontario's North

Jamie McIntyre

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John Vanthof

MPP/député Timiskaming-Cochrane



To the Mayors, Reeves & Councils of Timiskaming-Cochrane

Nov. 6, 2020

RE: **Bill 226 -The Broadband is an Essential Service Act**

As you are well aware, lack of access to usable and affordable high-speed internet has been a long-standing barrier for many residents and businesses in the riding of Timiskaming-Cochrane. Cities, towns, townships, villages and unorganized areas in our region have expressed concern to the Government and myself regarding the loss of social and economic advancement in our communities and our region due to lack of access. Because of those concerns, I moved a motion in the legislature in 2018 requesting the creation of a \$1 billion dollar, 10-year rural broadband strategy to ensure broadband connectivity for users throughout rural Ontario. The motion passed unanimously and the Government committed to a \$350 million dollar program over 10 years.

With the arrival of the COVID 19 pandemic, the access barrier suddenly became a crisis for many families in rural Ontario. In the 2019/20 budget, \$31 million out of the original \$350 million had been committed to rural broadband investment but none of those dollars flowed to projects. Since budget funding does not carry over into the next budget year, it was an unfortunate loss for a sector so desperate for infrastructure dollars. Another issue that surfaced involved funding earmarked for rural broadband infrastructure that did not appear to be attached to an overall strategy to ensure everyone gets service.

As a result, I tabled the **Broadband is an Essential Service Act** (Bill 226) which would legislate the provincial government to develop and implement a high speed internet strategy that ensures 95% of Ontarians have access by 2026, and the other 5% by 2030. The Minister of Infrastructure would have to report on and update the strategy to ensure its completion. The specifications for the service would be determined by the CRTC.

Since tabling Bill 226, the government has introduced their second budget. It contains a further \$630 million dollar commitment for rural broadband. This is welcome news for rural residents but the original issues are still evident so implementation of the **Broadband is an Essential Service Act** is paramount.

The government has committed to the almost billion dollars identified by the NDP as needed to upgrade the services. The Government needs to commit that the program's completion will ensure all Ontarians have affordable access to high-speed internet.

I ask for your support of **Bill 226- the Broadband is an Essential Service Act** - which will be debated for second reading on November 26, 2020.

Sincerely,

John Vanthof,
MPP Timiskaming-Cochrane



District of Timiskaming Social Services Administration Board
Conseil d'administration des services sociaux du district de Timiskaming

November 9, 2020

The Honourable Steve Clark
Office of the Minister
Ministry of Municipal Affairs and Housing
777 Bay Street, 17th Floor
Toronto, ON M7A 2J3

Re: 2021 Rent Freeze

I am writing to you on behalf of the District of Timiskaming Social Services Administration Board (DTSSAB) respectfully to express our concern regarding the Helping Tenants and Small Businesses Act which amends the Residential Tenancies Act, 2006 (RTA).

The District of Timiskaming Social Services Administration Board has recently passed a resolution to call upon you to take whatever steps you can to ensure that the Ministry of Municipal Affairs and Housing provides funding to offset revenue losses resulting from this provincial policy change.

Most specifically we are concerned with the amendments which set the 2021 rent increase guideline to zero per cent and freeze annual rent increases from January 1, 2021 to December 31, 2021. It is expected that this will reduce the overall rent revenue and impact annual budgets which will result in a higher levy in 2021 to 23 municipalities in the district of Timiskaming.

We recognize the Province's efforts to help tenants during these unprecedented times, however; these unforeseen costs will only add concern to municipalities.

I trust that you will consider and hearing the Board's concerns.

Sincerely,

Doug Jelly
DTSSAB Board Chair

Cc: Municipalities of Ontario (AMO)
Federation of Northern Ontario Municipalities (FONOM)
Ontario Municipal Social Services Association (OMSSA)
Charlie Angus, MP
John Vanthof, MPP
23 Municipalities in the Timiskaming District

☐ PO Box/CP 6006
290, rue Armstrong Street
New Liskeard ON P0J 1P0

Phone/Tél: 705-647-7447
1-800-627-2944
Fax/Télé: 705-647-5267

☐ PO Box/CP 310
29, ave Duncan Avenue N
Kirkland Lake ON P2N 3H7

Phone/Tél: 705-567-9366
1-888-544-5555
Fax/Télé: 705-567-9492



RESOLUTION

October 21, 2020

No: 2020 - 67

Moved by: *PAT*

Seconded by: *JAN*

THAT the Board approve maintaining the current 2020 rents for 2021 to comply with the *Helping Tenants and Small Business Act, 2020*.

AND THAT the Board send a letter to the Minister of Municipal Affairs and Housing requesting funding to offset revenue losses resulting from this provincial policy change as it will result in a higher levy in 2021 to municipalities than under the current policy;

AND THAT this resolution and a copy of the letter to the Minister be circulated to all Timiskaming Heads of Council, Members of Provincial Parliament, the Association of Municipalities of Ontario (AMO) and the Federation of Northern Ontario Municipalities (FONOM).

Carried: *DK JCH*

FOR IMMEDIATE RELEASE

Temiskaming Hospital Board Announces Retirement of Two Members

New Liskeard, ON,: The Temiskaming Hospital Board of Directors announces the retirement of two long-serving members, Patricia Willard-Inglis and Maurice Landriault. The duo served a combined 19 years of service on the board. Willard-Inglis reached the maximum 12 years of service in September 2020 while Landriault has since moved out of the area retiring from the board in April of 2020 with seven years of service.

When asked to speak on the retirement of the two members, Temiskaming Hospital Board Chair Dr. Bruce Hawkins noted, "Pat was my vice-chair since I assumed the position four years ago. She was invaluable as she capably chaired board meetings in my absence. Pat was always willing, never denying anything asked of her, was very devoted to the hospital and community and was a great contributor at our meetings. Her incisive questions will be missed."

Willard-Inglis was elected to the board in June of 2008. She served a five-year term as treasurer from 2012-2017, 2nd vice from 2014-2015, vice-chair from 2016-2020 and served as a member on the Temiskaming Hospital Executive Committee, member & chair on the Temiskaming Hospital Finance and Resource Committee and chair of the Temiskaming Hospital Governance Committee. Willard-Inglis also served as a hospital board-appointed member of the CAT Scan Foundation from 2009-2020 and currently sits as the Temiskaming Hospital Foundation's treasurer.

Hawkins continued, "Maurice was a quiet man but still made his opinions known and, when done, it always added depth to our discussion and decisions. Moe, as the board knew him, was a person who led more by example than by words, and his loyal comments were heavily relied upon. Moe had vast experience in our community and was a great source of corporate memory for the board. His contributions will be missed."

Landriault was elected in June of 2013. He previously served on the Temiskaming Hospital Board from 1999-2011. During his time on the board, Landriault served as 2nd vice from 2015-2016 then treasurer from 2017-2019. He served as member & chair on the Temiskaming Hospital Finance and Resource Committee and member of the Temiskaming Hospital Executive Committee. Landriault also served on the Temiskaming Hospital CAT Scan Foundation from 2009-2020.

Current serving elected directors include: Dr. Bruce Hawkins, chair, Bob Norris, vice-chair, Pascal Simard, treasurer and Finance and Resource Committee chair, Denise Balch, Quality and Service Committee chair, Dan Fenety, Richard Males, Governance Committee chair, Jocelyn Moreno, Sandra Perreault, Jim Rowe, Temiskaming Hospital Foundation president and Georgette Saxton. The non-elected members of the board include Mike Baker, Temiskaming Hospital president & CEO and secretary, Erin Montgomery, chief nursing executive and director of patient services, Dr. Colleen Davies, chief of staff and Dr. Nichole Currie, president of professional staff.

(more)

The Temiskaming Hospital Board of Directors is responsible for the overall governance of the affairs of the hospital. The board ensures the hospital is fulfilling its mission and sustains itself in order to continue serving its patients by maintaining its tangible and intangible assets and financial viability. While there are currently no vacancies, those interested in serving on the board in the future can contact Mike Baker, secretary at mbaker@temiskaming-hospital.com.

Temiskaming Hospital's mission is to provide quality, patient-centered health care and education close to home. For more information about Temiskaming Hospital, please visit www.temiskaming-hospital.com.

-30-

For further information, contact:

Lesley Kaross, COVID-19 Media Relations Officer
705.647.1088 extension 2030
lkaross@temiskaming-hospital.com





CORPORATE SERVICES DEPARTMENT
TELEPHONE 613-968-6481
FAX 613-967-3206

City of Belleville

169 FRONT STREET
BELLEVILLE, ONTARIO
K8N 2Y8

November 10, 2020

The Honourable Doug Ford
Premier's Office, Room 281
Legislative Building, Queen's Park
Toronto, ON M7A 1A1

Delivered by e-mail
premier@ontario.ca

Dear Premier Ford:

RE: **Bill 218 – Proposing Changes to the Municipal Elections Act –
Extension of Nomination Period
New Business
10. Belleville City Council Meeting, November 9, 2020**

This is to advise you that at the Council Meeting of November 9, 2020, the following resolution was approved.

"WHEREAS municipalities in Ontario are responsible for conducting fair and democratic elections of local representatives; and

WHEREAS the Government of Ontario, with Bill 218, Supporting Ontario's Recovery and Municipal Elections Act, 2020 is proposing changes to the Municipal Elections Act, 1996; to extend nomination day from the end of July to the second Friday in September; and

WHEREAS municipal elections are governed by the Municipal Elections Act which was amended in 2016 to include shorter nomination periods; and

WHEREAS the operation, finance and regulatory compliance of elections is fully undertaken by municipalities themselves; and

WHEREAS local governments are best poised to understand the representational needs and challenges of the body politic they represent, and when looking at alternative voting methods to ensure voters have options in an effort to increase voter participation and are able to vote safely, it becomes more difficult to implement these alternatives with the proposed shorter period between Nomination day and the October 24, 2022 Election day;

NOW THEREFORE BE IT RESOLVED THAT the Corporation of the City of Belleville send a letter to the Premier, the Minister of Municipal Affairs and Housing and Minister of the Attorney General urging that the Government of Ontario respect Ontario municipalities' ability to apply sound representative principles in their execution of elections; and,

THAT the Corporation of the City of Belleville Council recommends that the Government of Ontario supports the freedom of municipalities to run democratic elections within the existing framework the Act currently offers without amendment; and THAT this resolution be circulated to all Ontario Municipalities, AMO and AMCTO."

Thank you for your attention to this matter.

Yours truly,



Matt MacDonald
Director of Corporate Services/City Clerk

MMacD/nh
Pc: AMO

Todd Smith, MPP Prince Edward-Hastings
Daryl Kramp, MPP Hastings – Lennox & Addington
Minister of Municipal Affairs and Housing
Minister of the Attorney General
Councillor Kelly, City of Belleville
Councillor Thompson, City of Belleville
Ontario Municipalities



November 12, 2020

MPP Will Bouma
96 Nelson Street, Suite 101
Brantford, ON N3T 2X1

Sent via email: will.bouma@pc.ola.org

Dear MPP Bouma:

Please be advised that Brantford City Council at its Special meeting held November 10, 2020 passed the following resolution:

Bill 218 - Ranked Ballots for Municipal Elections

WHEREAS Bill 218 – “Supporting Ontario's Recovery and Municipal Elections Act, 2020” removes the option for municipalities to choose the ranked ballot system for an election; and

WHEREAS in 2016 the Ontario Provincial Government gave municipalities the tools to use Ranked Balloting in Municipal elections commencing in 2018, which was deployed in the City of London thereby becoming the first Municipality in Canada to make the switch, while Cambridge and Kingston both passed referendums in favour of reform and Burlington, Barrie, Guelph, Meaford and others are now exploring a change as well; and

WHEREAS the change of election method process does not impact the Provincial election models but greatly impacts a Municipalities execution options; and

WHEREAS the only explanation given for this is that we should not be ‘experimenting’ with the electoral process during a pandemic mindful that ranked ballot voting is not an experiment but widely used throughout the world and should be a local option that Municipalities can look to utilize in the next election which is just under two years away

WHEREAS Bill 218 also moves up the Municipal nomination date from the end of July to mid September for no apparent reason thereby reinforcing the power of incumbency and potentially discouraging broader participation in municipal elections; and

WHEREAS these changes are being proposed without any consultation with AMO, Municipalities or the public;

NOW THEREFORE BE IT RESOLVED:

- A. THAT the City Clerk BE DIRECTED to submit the following comments on behalf of the Council of the City of Brantford to the Province of Ontario with respect to the proposed changes to the *Municipal Elections Act, 1996*:
- i. Council does not support the proposed changes to the *Municipal Elections Act, 1996*, specifically related to the removal of the option for a municipality to hold a ranked ballot election;
 - ii. Council does support the principle that each Municipality should be able to choose whether or not to use first-past-the-post or a ranked ballot election; and
 - iii. Council encourages the Provincial government to meaningfully consult with Municipalities on municipal issues before introducing legislative changes of this magnitude; and
- B. THAT the City Clerk BE DIRECTED to forward a copy of this resolution to MPP Will Bouma, Premier Doug Ford, and the list of other Municipalities and include a request to delay the decision until such a time that the Association of Municipalities of Ontario, Large Urban Mayor's Caucus of Ontario, the Federation of Canadian Municipalities and comments from Municipalities have been collected and submitted to the Province.

I trust this information is of assistance.

Yours truly,



Tanya Daniels
City Clerk
tdaniels@brantford.ca

cc: Hon. D. Ford, Premier of Ontario
The Association of Municipalities of Ontario;
The Federation of Canadian Municipalities;
Large Urban Mayor's Caucus of Ontario;
All Ontario Municipalities

1.0 CALL TO ORDER

The meeting convened at 6:35p.m. at Dymond Hall (181 Drive In Theatre Road)

2.0 ROLL CALL

Community Representatives

- Chuck Durrant (TSACC)
- Tom Cambridge
- Dalton Potter (Temfund)
- Darlene Bowen (NOFIA)

City Representatives

- Danny Whalen

Staff Resources

- Shelly Zubyck
- James Franks
- Anne Marie Loranger

Absent: John Bernstein, Cherie Stanger, Hugo Rivet, Carman Kidd, Chris Oslund, Shelly Zubyck, Patricia Hewitt.

3.0 REVIEW OF REVISIONS OR DELETIONS TO AGENDA

- Resignation of members Mackey, Baker and election of new Chair / Vice Chair
Election of new Chair and Vice Chair
Chair – Darlene, nominated by Dalton, seconded by Tom – accepted on an interim basis
Vice-Chair – Chuck, nominated by Tom, seconded by Darlene - accepted

4.0 APPROVAL OF AGENDA

Resolution: TSDC-2020-001

Moved by: Danny

Seconded by: Dalton

To accept the Temiskaming Shores Development Corporation Agenda as presented

Carried

5.0 DISCLOSURE OF PECUNIARY INTEREST AND GENERAL NATURE

None

6.0 REVIEW AND ADOPTION OF MINUTES

Review of Minutes from July 29th, 2019

Resolution: TSDC-2020-002

Moved by: Chuck

Seconded by: Tom

To approve the previous minutes as presented.

Carried

7.0 DELEGATIONS

Presentation of video prepared by FONOM – Danny provided an overview of why the video series was created and advised members that it was available for viewing on YouTube.

8.0 COMMUNICATIONS

- 8.1 Far Northeast Survey Results – July 2020 – James provided an overview of the results received from local businesses.

9.0 UNFINISHED BUSINESS

- 9.1 Municipal Accommodation Tax stakeholder meeting – on hold at this point until the pandemic has passed.
9.2 CannAssist Project – still alive and hoping to move forward in the future
9.3 TIME Ltd. Land Purchase – tied up with ONR legal and awaiting an appraisal on the value of the land.

10.0 NEW BUSINESS

- 10.1 Economic Update Q3 & Q4, 2019
Resolution: TSDC-2020-003

Moved by: Danny
Seconded by: Dalton

To approve the Q3 & Q4, 2019 Economic Update as presented.

Danny suggested that a results / outcomes page be included with the updates.

Carried

- 10.2 Economic Update Q1 & Q2, 2020
Resolution: TSDC-2020-004

Moved by: Tom
Seconded by: Chuck

To approve the Q1 & Q2 2020 Economic Update as presented.

Carried

- 10.3 Budget 2021 Draft 1
Resolution: TSDC-2020-005

Moved by: Dalton
Seconded by: Danny

To approve the 2021 Economic Development Budget, Draft 1 as presented.

Carried

- 10.4 Economic Update Q3, 2020
Resolution: TSDC-2020-006

Moved by: Chuck
Seconded by: Tom

To approve the Q3 2020 Economic Update as presented.

Carried

- 10.5 A discussion was held suggesting that broadband internet should be focused on to encourage business development in the community.
- 10.6 Will the two vacant board positions be refilled? Chuck suggested that perhaps a representative from the New Liskeard BIA should be invited to participate. The board will be asked to formalize a decision on the two vacant positions at the next meeting
- 10.7 A discussion about membership engagement took place again and staff were asked to come back with a recommendation on how the membership could add more value to the corporation operations.

11.0 CLOSED SESSION

Resolution: TSDC-2020-007

Moved by: Tom
Seconded by: Danny

Be it resolved that the Temiskaming Shores Development Corporation agrees to convene in Closed Session at 7:24 p.m. to discuss the following matters:

- 11.1 Canada Meat Group Abattoir

12.0 ADJOURNMENT

Resolution TSDC-2020-008

Moved by: Danny
Seconded by: Tom

That the meeting of the Temiskaming Shores Development Corporation adjourned at 7.55pm

Carried

Memo

To: Mayor and Council
From: Shelly Zubyck, Director of Corporate Services
Date: November 17, 2020
Subject: Municipal Benefit Renewal
Attachments: N/A

Mayor and Council:

On September 15, 2020 staff provided Council with Report CS-036-2020 regarding the Municipal Benefit Renewal.

In 2019-2020 the City's annual premium was \$335,592. The annual premium for the 2020-2021 renewal was \$390,732 – an increase of \$55,140.

The City requested Gallagher Benefit Services (Canada) Group Inc. to market our account. On November 10, 2020 staff met with the City's Account Manager, Mr. Jeff St. Cyr, to review the marketing results for municipal benefits. Based on the results, the Municipal Benefit Portfolio will be switching from Canada Life to Manulife effective January 1, 2021. The annual premium with Manulife is \$258,624 – an overall premium savings of \$132,108 from the original renewal presented in September, 2020.

Rates for pooling and health and dental expenses will be guaranteed for 30 months and the City's Stop Loss premium will be guaranteed for 18 months.

The premiums do not include expenses incurred under the ASO (Administrative Services Option) plan which are estimated at \$31,181 per month (\$374,172 annual) for Extended Health Care, Drug, Dental and Short-Term Disability Claims.

Employees and Retirees will see no changes in the benefits or benefit limits offered by the City. Administrative changes will begin this month to prepare for the January 1st effective date.

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

Shelly Zubyck
Director of Corporate Services

Christopher W. Oslund
City Manager

Memo

To: Mayor and Council
From: Laura-Lee MacLeod, Treasurer
Date: November 17, 2020
Subject: Tax Arrears Certificate Extension Agreement
Attachments: N/A

Mayor and Council:

Sections 370.2 – 389 of the Municipal Act deals with the Sale of Land for Tax Arrears. Section 378(1) deals specifically with Extension Agreements for properties that have a tax arrears certificate registered on title.

Under the most recent updates to O.Reg 181/03 as amended (O.Reg 571/17) and the Municipal Act there are changes to the rules and processes that deal with Sale of Land for Tax Arrears. One change relates to Extension Agreements to which a by-law of Council is no longer required to enter into an agreement with an eligible interested party.

Section 378(1) states that a municipality may enter into an extension agreement, extending the period of time in which the cancellation is to be paid.

Since a by-law is no longer required under this section but the municipality may still choose to enter extension agreements, Council may delegate this authority to the Treasurer or another municipal Officer and set limits or may decide to maintain the status quo.

An extension agreement is an important part of the tax registration process as it allows any interested party an extension of the time required to pay the tax arrears and avoid the property being sold by public tender. The Treasurer is the staff that deals with the collection of taxes for the municipality, therefore it is being recommended that Council delegate their authority to execute extension agreements to the Treasurer.

Dealing with tax arrears discussions with property owners or interested parties are very difficult and when you add to the fact that in the past by-laws discussed in open council meetings were required to execute these agreements it makes it even more so. A more confidential agreement would alleviate some of these concerns.

The Treasurer respectfully requests that Council consider the following Resolution:

Subject: Lease Agreement – Dr. Peter Hutten-Czapski **Report No.:** CS-042-2020
Agenda Date: November 17th, 2020

Attachments

Appendix 01: Draft Lease Agreement (**Please refer to by-law No. 2020-111**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-042-2020;
2. That Council directs staff to prepare the necessary by-law to enter into a lease agreement with Doctor Peter Hutten-Czapski, for the rental of 648 square feet of office space in the Haileybury Medical Centre from January 1, 2021 to December 31, 2024, at a rate of \$14.10 per square foot plus HST, and to apply a 2 percent annual increase for the term of the lease, for consideration at the November 17, 2020 Regular Council meeting.

Background

Doctor Hutten-Czapski has been renting space in the Haileybury Medical Centre since 2017. The current lease agreement will expire on December 31, 2020.

Analysis

Doctor Hutten Czapski's has requested a rental term of 4 years.

In 2019, staff measured the spaces in the Haileybury Medical Centre to ensure that all lease agreements were accurate. It was discovered that Dr. Hutten-Czapski's space should be 648 square feet as opposed to 578 square feet. This has been corrected on the lease renewal.

The draft lease agreement is attached as Appendix 1.

The rental rate and annual increase recommended for Doctor Hutten-Czapski is aligned with the other physicians currently leasing space at the Haileybury Medical Centre and ensures the City is managing costs associated with the facility favourably.

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☒ No ☐ N/A ☐

This item is within the approved budget amount: Yes ☒ No ☐ N/A ☐

The City will receive \$9,136.80 plus HST in 2021 for the rental of the space from January 1, – December 31, 2021. In subsequent years a 2% annual increase will be applied for the remainder of the agreement.

Alternatives

No alternatives were considered.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"original signed by"

"original signed by"

Shelly Zubycck
Director of Corporate Services

Christopher W. Oslund
City Manager

Subject: Emergency Response Plan

Report No.: CS-043-2020
Agenda Date: November 17th, 2020

Attachments

Appendix 01: Emergency Response Plan – (Please refer to By-law No. 2020-112)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-043-2020; and
2. That Council approves Appendix “01” of the Emergency Response Plan for the City of Temiskaming Shores as presented; and
3. That Council directs staff to repeal By-law 2004-132 as amended, and prepare the necessary by-law to adopt a revised Emergency Response Plan for consideration at the November 17, 2020 Regular Council meeting.

Background

The Emergency Management and Civil Protection Act (EMCPA) require all municipalities in Ontario to develop a plan that outlines how it will respond to emergencies within its jurisdiction.

Analysis

The Province of Ontario requires the implementation of mandatory emergency management programs for all Provincial ministries and municipalities. The elements of the emergency management program are outlined in the EMCPA in general and specified by Emergency Management Ontario (EMO).

The standards set by EMO, in accordance with recommended international best practices, require each community to maintain the requirements of the Emergency Management Program. For the purposes of this report, the following outcomes are being presented to Council:

- A revised draft of the City of Temiskaming Shores Emergency Response Plan.

The EMCPA requires municipalities to review their emergency response plan on an annual basis. Furthermore, it requires a copy of the most current response plan be provided to the Chief of Emergency Management Ontario.

On September 28th, 2020, the Emergency Management Program Committee reviewed the draft Emergency Response Plan. The committee endorsed the draft plan and recommended it be forwarded to Council for their review and consideration. Upon adoption of the plan by Council, the CEMC will then forward a copy to OFMEM as required.

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Financial implications to date have been with program resources and expenditures associated with the Emergency Management Program.

Staffing implications associated with the proposed agreement are limited to normal administrative functions and duties.

Alternatives

Alternatives are not being presented at this time, as legislation requires the adoption and maintenance of an Emergency Management Program.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

Shelly Zubyyck
Director of Corporate Services

Christopher W. Oslund

Subject: Tax Collections

Report No.: CS-044-2020

Agenda Date: November 17, 2020

Attachments

Appendix 01: N/A

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-044-2020; and
2. That Council directs the Treasurer to proceed with tax collection as per the City's Tax Policy effective January 1, 2021.

Background

By-law 2019-013 outlines the rules and procedures in relation to Municipal Property Taxes, more specifically the collection of taxes. Due to the COVID-19 pandemic all tax collection processes were halted for the 2020 taxation year. In a normal year, tax registrations would have taken place in the late winter/early spring after title searches and attempts to contact property owners. First and Final notices to properties that would be eligible for registration in January 2021 would have been mailed out and phone calls would be starting to those pending registration properties to attempt to facilitate collection or payment agreements prior to registration.

Council waived penalty charges on the May instalment until August 1st when penalty/interest charges resumed on all properties.

The October Tax Reminder Notice was mailed out on October 2, 2020.

Analysis

As of December 31, 2019, 512 properties had tax arrears, 49 of which were eligible for tax registration, 5 had been registered in 2019, 23 properties had payment agreements leaving 435 properties that would have started the collection process in June, 2020.

197 properties that had tax arrears as of December 31, 2019 were still owing taxes as of June 1, 2020, 127 of which would have received the first notice as part of the collection process.

As of November 2, 2020, 541 properties had tax arrears, 125 from 2019.

	2019	2020	Total
December 31, 2019	512	n/a	512
June 1, 2020	197	n/a	197
November 2, 2020	125	416	541

Although no tax collection activity has taken place in 2020, it appears that we are on track to a similar number of properties in tax arrears at the end of December 2020 as in 2019.

The matter of tax collection was discussed at the Corporate Services Committee meeting on October 26, 2020 and Recommendation CS-2020-054 directing staff to proceed with tax collection effective January 1, 2021.

Relevant Policy / Legislation / City By-Law

- By-Law No. 2019-013, Municipal Property Tax Policy

Consultation / Communication

- Consultation with City Manager
- Meeting with Corporate Services Committee October 26, 2020

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Resuming regular collection processes will maintain a steady cash flow for the City and reduce year-end tax receivables.

Alternatives

No alternatives were considered

Submission

Prepared by:

Reviewed by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

"Original signed by"

Laura-Lee MacLeod
Treasurer

Shelly Zubyck
Director of Corporate
Services

Christopher W. Oslund
City Manager

Subject: TAC Properties

Report No.: CS-045-2020

Agenda Date: November 17, 2020

Attachments

Appendix 01: N/A

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-045-2020; and
2. That Council directs the Treasurer to proceed with the sale of land by public tender as per the City's Tax Policy for properties that had TAC registrations in 2019.

Background

By-law 2019-013 outlines the rules and procedures in relation to Municipal Property Taxes, specifically the collection of taxes. As per the policy, any property that is in arrears for any part of 2 years is eligible for registration for tax arrears. Once the Tax Arrears Certificate (TAC) is registered on title, the property has one year and a day to pay the taxes in full or enter into an extension agreement.

In April 2019, 4 properties were registered for tax arrears. In June 2019, 1 additional property was registered for tax arrears.

Currently 3 of these registrations are still in effect. 1 property has an active extension agreement and 1 property has been paid in full and the registration cancelled.

If COVID-19 had not happened, the expiration period for these 3 properties would have expired and the properties would have been sold for tax arrears. The properties would have been sold by public tender in the summer of 2020. However due to the Provincial Emergency Order all timelines related to the TAC process were on hold until September 11, 2020.

Analysis

With the resumption of processes effective September 11, 2020, 180 days needs to be added to the original expiration date in order to determine the new recalculated dates for each registered property. 2 of the properties have a recalculated expiration date of October 30, 2020 and the other has a recalculated date of December 4, 2020.

The matter of tax collection in relation to TAC properties was discussed at the Corporate Services Committee meeting on October 26, 2020 and Recommendation CS-2020-055 directing staff to proceed with sales of land by public tender for properties that were registered in 2019.

Relevant Policy / Legislation / City By-Law

- By-Law No. 2019-013, Municipal Property Tax Policy

Consultation / Communication

- Consultation with City Manager
- Meeting with Corporate Services Committee October 26, 2020

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Resuming collection processes for TAC properties will result in a sale of land by public tender. If successful tenders are received all outstanding taxes will be collected.

Alternatives

No alternatives were considered

Submission

Prepared by:

Reviewed by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

"Original signed by"

Laura-Lee MacLeod
Treasurer

Shelly Zubych
Director of Corporate
Services

Christopher W. Oslund
City Manager

Subject: Trillium Resilient Communities Fund

Report No.: LIB-02-2020
Agenda Date: November 17, 2020

Attachments

None

Recommendations

It is recommended:

1. That Council of the City of Temiskaming Shores acknowledges receipt of Administrative Report No. LIB-02-2020; and
2. That Council approve a funding application to the Ontario Trillium Foundation's Resilient Communities Fund.

Background

City staff have identified an opportunity to enhance our flexibility to continue to provide services amidst the COVID-19 pandemic. The Ontario Trillium Fund has released the Resilient Communities Fund with the next intake deadline of December 2. Funds are expected to be granted in the first quarter of 2021, with a one-year project term.

The library proposes to partner with city departments to acquire equipment and training to assist operations during COVID-19 measures in 2021.

Analysis

This project is split into three categories which will all help the library and various city departments adapt to COVID-19 and allow for a safer work environment.

1. Equipment Purchases – The project proposes to purchase various pieces of equipment which will be utilized by the public and staff such as plexiglass barriers, webcams and headsets for zoom meetings and other similar equipment which will help the departments continue operations safely for the duration of the pandemic.
2. Safety Training - Library and other city departments will participate in health and safety training, including a COVID-19 Risk Assessment Workshop, to enable employees to evaluate the COVID-19 risk in our workplaces.
3. Library Programming - The library will hire an intern on a 1-year contract to facilitate new and expanded online programming, reaching more members of the community at a time when in-person program options are non-existent or limited. This has the added benefit of creating online programs which would be available to the library after the pandemic is over.

The total proposed amount for the grant application is \$71,830. That amount covers the entire cost of equipment purchases, staff training, intern wages & MERCs. No City funds are required to match any portion of this grant.

Relevant Policy / By-Law

- Temiskaming Shores Public Library Policy Per-16 Training and Development
- Temiskaming Shores Public Library Strategic Plan 2020-2025

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Total proposed grant request to be approved is \$71,830 which would cover the entire cost of the proposed project. No city operational funding is needed to match any portion of this grant. Funds would be received in the 2021 budget year.

Alternatives

1. Do not apply for this funding stream and continue as is.
2. Authorize an application to the Resilient Communities Fund at a reduced amount from the proposed \$71,830 project.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"original signed by"

"original signed by"

Rebecca Hunt
Library CEO

Christopher W. Oslund
City Manager

Subject: Bi-annual Bridge Inspection

Report No.: PW-025-2020

Agenda Date: November 17, 2020

Attachments

Appendix 01: 2020 Bridge and Culvert Inspection Program

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. PW-025-2020; and
2. That Council hereby directs staff to place the 2020 Inspection Report in the Bi-annual Bridge Inspections Binder located at the municipal office (325 Farr Drive) and on the municipal website.

Background

In accordance with the Public Transportation and Improvement Act and more specifically, Ontario Regulation 104/97 "Standard for Bridges" made under the Act, the City of Temiskaming Shores with Council approval, hired D.M. Wills associates Ltd., to complete a detailed visual inspection of our structural inventory. This work was approved as part of the 2020 Budget deliberations.

Analysis

City Staff have reviewed the report which included 13 roadway structures, as well as 3 roof inspections and below is a list of maintenance work required as well as additional Engineering investigations required. Not shown in the table below, is a recommendation to remove and replace the roofing membrane on both the New Liskeard Arena, as well as the Pool Fitness Centre within the next 1-5 years. The City was provided a budget cost in 2019 for the New Liskeard Arena (\$1,000,000.00) however we do not have a cost estimate at this time for the Pool Fitness Centre.

Bridge	Comments	Time Frame	Estimate
Mowat Landing	Structural Evaluation	ASAP	\$ 5,000.00
Golf Course Road Bridge (east)	detailed bridge condition	ASAP	\$ 15,000.00
	survey		

West Road	Culvert Replacement	2022	\$ 459,900.00
Golf Course Road East	Repair multiple components	2023	\$ 574,000.00
Pete's Dam	Repair multiple components	2024	\$ 200,000.00
Firstbrook/Mowat/Lakeshore	3 bridges rehabilitated	2025	\$ 406,200.00
Rockley rd	Repave deck and approaches	2026	\$ 250,000.00
Armstrong St. bridge	Repair multiple components	2027	\$ 372,000.00
	Total		\$ 2,295,100.00

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

There will be financial implications in future years, based on Council decisions with this program.

Alternatives

No alternatives were considered.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original Signed By"

"Original Signed By"

 Mitch Lafreniere
 Manager of Transportation
 Services

 Christopher W. Oslund
 City Manager



2020 OSIM Bridge and Culvert Inspection Program

The City of Temiskaming Shores

D.M. Wills Project No. 9250



D.M. Wills Associates Limited
Partners in Engineering, Planning and
Environmental Services
Peterborough

November 2020

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List of Appendices

Appendix A – List of Structures
Appendix B – Maintenance Needs
Appendix C – Complete List of Rehabilitation Needs (10 Year Plan)
Appendix D – 2020 OSIM Inspection Forms

1.0 OSIM Bridge and Culvert Inspections

D.M. Wills Associates Limited (Wills) was contracted by the City of Temiskaming Shores (the City) to complete detailed visual inspections of their structure inventory in accordance with the Public Transportation and Improvement Act. Specifically, Ontario Regulation 104/97 'Standards for Bridges' made under the Act requires that:

"The structural integrity, safety and condition of every bridge shall be determined through the performance of at least one inspection in every second calendar year under the direction of a professional engineer and in accordance with the Ontario Structure Inspection Manual ..."

Wills completed the detailed visual inspections of thirteen (13) roadway structures on behalf of the City in 2020. Wills also completed three (3) roof inspections as required by the City. The following buildings' roofs were inspected:

- New Liskeard Arena, 77 Wellington Street, New Liskeard.
- Pool Fitness, 75 Wellington Street, New Liskeard.
- Haileybury Arena, 390 Ferguson Avenue, Haileybury.

An inventory of all structures inspected is provided in **Appendix A**. The inspection forms (OSIM format) are provided in **Appendix D**.

2.0 Routine Bridge Maintenance Requirements

Appendix B identifies the Maintenance Needs for the structure inventory. The City's Public Works staff should perform all necessary maintenance on an intermittent basis, as resources are available and as soon as possible for items noted as Urgent.

The Maintenance Needs are a checklist of works that should be completed and monitored by City staff on a regular basis. **The City of Temiskaming Shores should strive to ensure that all maintenance items are addressed within one (1) year.**

The maintenance needs for the roadway bridges and culverts are divided into categories for designation purposes. The maintenance activities can be easily grouped into work order tasks for completion and assigned to City work crews accordingly. If internal resources are not available to complete the maintenance activities, the City should consider contracting the necessary labour, equipment and materials to complete the work.

As maintenance activities are completed or additional maintenance needs are identified, the Maintenance Needs lists should be kept up-to-date such that management staff can direct work accordingly.

3.0 Additional Investigations / Monitoring

During completion of the 2020 OSIM structure inspections, two (2) bridge structures were identified for follow up engineering investigations to determine the scope of work required to repair / rehabilitate the structures, as summarized in **Table 1**.

Table 1 - Additional investigation required

Cost	Investigation Type	Bridge No. – Location
\$5,000	Structural Evaluation	Bridge No. 02 – Mowat Landing Road Bridge
\$15,000	Detailed Bridge Condition Survey	Bridge No. 06 – Golf Course Road Bridge (East)

The structural evaluation on Bridge No. 2 – Mowat Landing Road Bridge is required to determine if load postings should be implemented until structural repairs can be completed.

The detailed bridge condition survey of Bridge No. 06 – Golf Course Road Bridge (East) is required to determine the condition of the bridge and the extent of structural rehabilitation that is necessary.

Roadside Safety Reviews are recommended for Culvert No. 10 – McLean Road Culvert, Culvert No. 11 – Peter's Road Culvert, and Culvert No. 12 – River Road Culvert to assess guiderail requirements.

Table 2 – Recommended 10-Year Capital Bridge and Culvert Program, does not include the cost of the additional investigations.

4.0 10-Year Capital Bridge and Culvert Program

Of the thirteen (13) bridges and culverts inspected, eight (8) structures require some form of repair, rehabilitation and / or replacement. The urgency of rehabilitation varies based on the condition of individual bridge and culvert elements, therefore priority should be given to the rehabilitation of structures that exhibit advanced states of deterioration or have sustained serious structural damage.

The rehabilitation needs for the 10-Year Structure Rehabilitation Program are higher priority needs that are short-listed from all the current structure needs. Lower priority needs should be monitored throughout future inspection periods and their priority adjusted as necessary, however addressing these needs is not critical at this time.

A recommended 10-Year Capital Bridge and Culvert Program is presented in **Table 2** with a total estimated cost of **\$ 2,275,100 (\$2020)**, not including the inspected roofs and roof structures. Please refer to **Appendix C** for a complete list of all bridge and culvert required rehabilitation measures.

Table 2 - Recommended 10-Year Capital Bridge and Culvert Program

Capital Budget Year	Structure No.	Recommended Works	Estimated Costs (\$2020)
2021	Bridge No. 01	Repair deteriorated deck and curb timbers,	\$ 13,000
2022	Culvert No. 09	Replace culvert and barrier system, repave approaches	\$ 459,900
2023	Bridge No. 06	Replace bearing and expansion joints, repair soffit and diaphragms, repave approaches, patch, waterproof, and pave deck top, repair parapet walls, install proper SBGR end treatments	\$ 574,000
2024	Bridge No. 04	Install SBGR on approaches, recoat structural steel	\$ 200,000
2025	Bridge No. 01	Replace floor beams, recoat structural steel, update approach barrier system, install offset blocks on bridge barriers, repair truss, tighten sway braces	\$ 193,200
	Bridge No. 02	Grout undermined abutment wall, replace top of all wingwalls, repair bottom of steel columns, replace curb, replace and repave deck, replace barrier system on bridge	\$ 145,000
	Culvert No. 08	Repair embankments and provide additional slope protection, repair undermining, pave exposed culvert top	\$ 68,000
2026	Bridge No. 03	Attach drain pipes to girders, repave deck and approaches, replace west approach slab, replace joint seals	\$ 250,000
2027	Bridge No. 07	Replace north bearings, replace barrier walls, replace seals, repair soffit, sidewalk, and joint end dam concrete	\$ 372,000

5.0 Roof Inspections

Wills conducted visual inspections of three (3) roof structures to document the existing elements in each roof structure and determine their condition. Each element of the roofs was estimated and recorded in an "OSIM" format, which can be found in **Appendix D**. Of the three (3) roof structures inspected, all required some form of minor repair or rehabilitation.

5.1 New Liskeard Arena

The New Liskeard Arena roof consists of a sloped roof section covered with long strip asphalt and supported by glulam beams. The south side of the arena has a building extension with a flat roof. The glulam beams are supported at their ends by concrete pier supports. The beams extend outside of the building at the north end. The shingles of the flat portion of roofing are damaged, likely due to rain, snow, and ice running on to it from the sloped portion of the roof. The ends of the glulam beams and timber outside of the building exhibit dry rot due to moisture penetration. **Replacement of the roofing and miscellaneous timber / flashing repairs are recommended within one to five (1-5) years.**

5.2 Pool Fitness

An inspection was conducted of the roof in the pool area and the metal decking in the mechanical room of the Pool Fitness building. The roofing in the main pool area consists of painted metal decking and trusses. The metal decking in the fan room and I-beams supporting it are unpainted and exhibiting a failure of the galvanized coating, likely due to high humidity in the space. The metal decking at the mezzanine in the fan room is already painted and in good condition. On the outside of the building, the roof consists of asphalt shingles. The shingles are curling and damaged at several locations. **Replacement of the roofing and recoating of the decking and beams in the fan room is recommended within one to five (1-5) years.**

5.3 Haileybury Arena

At the time of inspection, the main roof of the Haileybury Arena were in the process of being replaced. The arena roof is supported by bowstring type trusses, which all appear to be in good condition. Two of the higher flat portions at the south and southeast of the building have a new EDPM coating. The lower flat area at on the west side of the arena has a tar coating protected with ballast. The ballast protection has been displaced by runoff from the sloped portion of the roof, which is causing the tar beneath to deteriorate due to the sun and elements. The lower roof has excessive debris, particularly around the drains, and trees overgrowing onto the roof. There is a tear in the flashing on the lower roof. **Replacement of the displaced ballast and debris / vegetation clearing of the lower roof should be complete as maintenance within one (1) year. Replacement of the lower roof and miscellaneous flashing repairs are recommended within one to five (1-5) years.**

6.0 Closure

The Recommended 10-Year Capital Program is provided to ensure that The City of Temiskaming Shores continues to invest in the bridge asset inventory with a goal to maintain a minimum maintenance standard for all structures. The projects listed above represent the best opportunity for the City to improve overall structure inventory condition.

The contents of this Summary Report shall be read in conjunction with the detailed OSIM Inspection Report for each structure. The Summary Report is intended to be a concise summary of the individual OSIM Reports; however the detailed (individual) OSIM Reports must be consulted to verify accuracy of any information contained within the Summary Report.

All reports are based upon the visual condition observed on the date of inspection.

All of which is respectfully submitted,



David Bonsall, P.Eng.
Manager / Structural Engineering

APPENDIX A

List of Structures

City of Temiskaming Shores - List of Structures					
Str. ID	Structure Name	Road Name	Location	Structure Type	BCI Value
01	Firstbrooke Line Road Bridge	Firstbrooke Line Road	2.0 km South of Mowat Landing Road	Bailey Panel	52.93
02	Mowat Landing Road Bridge	Mowat Landing Road	2 km West of Fleming's Road	Timber Deck and Girder	64.21
03	Rockley Road Bridge	Rockley Road	Lot 3, Concession 1 & 2 - Dymond	Concrete Slab and Girder	73.87
04	Pete's Dam Road Bridge	Pete's Dam Road	Concession 3, Lot 4, Dymond - 1.2km West of Highway 65	Concrete Slab and Steel Girder	71.14
05	Golf Course Road Bridge	Golf Course Road	Concession 3 & 4, Lot 5 - Dymond	Concrete Slab and Girder	83.96
06	Golf Course Road Bridge (East)	Golf Course Road	Conc. 3 & 4, Lot 6 (Dymond)	Concrete Slab and Girder	72.03
07	Armstrong Street North Bridge	Armstrong Street North	Downtown New Liskeard between Sharp St. And Elm Ave.	Concrete Slab and Steel Girder	74.10
08	Lakeshore Road Culvert	Lakeshore road (Ontario 1	0.7 km South of Sunnyside Road	Rectangular Culvert	71.94
09	West Road Culvert	West Road	0.6 km East of Clover Valley Road	Round Culvert	52.47
10	McLean Road Culvert	McLean Road	0.6 km South of Young's Road	Round Culvert	67.02
11	Peter's Road Culvert	Peter's Road	0.6 km North of Tobler's Road	Round Culvert	72.00
12	River Road Culvert	River Road	0.3 km South of Uno Park Road	Round Culvert	69.63
13	Dale's Road Culvert	Cummington Road 6	0.7 km West of Trans Canada Highway	Arch Culvert	75.00
BLDG1	New Liskeard Arena		77 Wellington Street, New Liskeard	Roof	
BLDG2	Pool Fitness		75 Wellington Street, New Liskeard	Roof	
BLDG3	Fhaileybury Arena		390 Ferguson Avenue, Haileybury	Roof	

APPENDIX B

Maintenance Needs

Maint Needs	Structure #	Element Name	Recommendations
Animal/Pest Control			
	09	Streams and Waterways	Remove beaver dam
Cleaning			
	01	Bearings	Clean bearings
	03	Seals/sealants	Clean debris from seals
	07	Seals/sealants	Clean debris from seals
	BLDG3	Roof	Remove debris, cut back vegetation, reinstate displaced ballast, repair flashing
Bridge Deck Drainage			
	03	Approach slabs	Install catch basin with outlet at west approach
Bridge Handrail Maintenance			
	03	Railing Systems	Replace rotting posts, replace damaged handrail sections and missing bolt
	04	Posts	Replace rotting posts, install missing bolts on SBGR
	06	Barriers	Replace damaged SBGR section and posts, install missing handrail end cap
	07	Railing Systems	Reset railing, extend railing
	08	Railing Systems	Replace damaged SBGR sections, replace damaged lookout members, repair concrete post bases
Erosion Control at Bridges			
	03	Embankments	Place rock/vegetation at drain locations
	05	Embankments	Protect embankments with vegetation/rock fill
	12	Embankments	Repair erosion
	13	Embankments	Repair west embankment, add granular fill along wearing surface
Other			
	01	Signs	Install missing hazard markers
	02	Signs	Install missing hazard markers
	02	Wearing surface	Patch pothole
	03	Signs	Install missing hazard markers
	04	Signs	Install missing hazard markers
	06	Signs	Install missing hazard markers
	08	Streams and Waterways	Clear debris from waterway
	09	Signs	Install missing hazard markers
	10	Barrels	Replace missing nuts
	10	Signs	Install missing hazard markers
	11	Signs	Install missing hazard markers
	12	Signs	Install missing hazard markers
	12	Streams and Waterways	Clear debris from waterway
	13	Signs	Install missing hazard markers

APPENDIX C

Complete List of Required Rehabilitation Needs

City of Temiskaming Shores - Complete List of Rehabilitation Needs				
Str. No.	Structure Name	Priority	Rehabilitation Need	Est. Cost
1 to 10 Year Work Plan (High Priority)				
01	Firstbrooke Line Road Bridge	1-5 yrs	Repair deck wearing surface	\$2,000
			Repair deck top timbers	\$10,000
			Replace rotted curb pieces	\$1,000
			Replace SBGR on bridge and install offset blocks	\$5,000
			Replace floor beams	\$13,000
			Tighten sway braces	\$1,200
			Repair and reconnect damaged vertical lateral bracing	\$1,000
			Recoat structural steel	\$90,000
			Replace approach barrier system with end treatments	\$30,000
			Traffic control	\$5,000
			Engineering	\$24,000
			Contingency	\$24,000
			Total	\$206,200
			02	Mowat Landing Road Bridge
Replace top portion of all wingwalls	\$12,000			
Repair and recoat bottom of steel columns	\$3,000			
Replace wooden deck	\$20,000			
Repave deck	\$15,000			
Replace barrier system on bridge	\$32,000			
Traffic control	\$8,000			
Engineering	\$20,000			
Contingency	\$20,000			
Total	\$145,000			
03	Rockley Road Bridge	6-10 yrs	Attach drain pipes to girders	\$5,000
			Patch, waterproof, and pave deck	\$60,000
			Replace west approach slab	\$30,000
			Repave approaches	\$20,000
			Replace expansion joint seals	\$30,000
			Replace rotting posts at approach barriers	\$5,000
			Traffic control	\$40,000
			Engineering	\$30,000
			Contingency	\$30,000
			Total	\$250,000
04	Pete's Dam Road Bridge	1-5 yrs	Recoat structural steel	\$130,000
			Install SBGR on approaches	\$30,000
			Engineering	\$20,000
			Contingency	\$20,000
			Total	\$200,000
06	Golf Course Road Bridge (East)	1-5 yrs	Replace bearings	\$83,000
			Replace expansion joints, repair diaphragm	\$120,000
			Repave approaches	\$20,000
			Patch, waterproof, and pave deck top	\$140,000
			Repair exterior soffit concrete	\$10,000
			Repair parapet wall concrete	\$20,000
			Install proper end treatments at approaches	\$20,000
			Place rocks/vegetation at deck drain locations	\$1,000
			Traffic control	\$40,000
			Engineering	\$60,000
			Contingency	\$60,000
			Total	\$574,000
07	Armstrong Street North Bridge	6-10 yrs	Replace bearings at north abutment	\$42,000
			Repair soffit concrete	\$20,000
			Repair sidewalk and curb concrete	\$12,000
			Replace barrrier walls on bridge	\$160,000
			Repair concrete end dam concrete	\$2,000
			Replace joint seals	\$20,000
			Traffic control	\$40,000
			Engineering	\$38,000
			Contingency	\$38,000
			Total	\$372,000
Sub-Total: BRIDGES (10 Year Plan):				\$1,747,200

City of Temiskaming Shores - Complete List of Rehabilitation Needs				
Str. No.	Structure Name	Priority	Rehabilitation Need	Est. Cost
1 to 10 Year Work Plan (High Priority)				
08	Lakeshore Road Culvert	1-5 yrs	Repair embankments and provide slope protection	\$7,000
			Repair undermining, protect exposed culvert top	\$40,000
			Traffic control	\$5,000
			Engineering	\$8,000
			Contingency	\$8,000
			Total	\$68,000
09	West Road Culvert	1-5 yrs	Replace culvert	\$278,900
			Replace barrier system with SBGR	\$30,000
			Repave approaches	\$18,000
			Dewatering	\$10,000
			Traffic control	\$10,000
			Engineering	\$60,000
			Contingency	\$53,000
			Total	\$459,900
Sub-Total: CULVERTS (10 Year Plan):				\$527,900
TOTAL: Bridges and Culverts (10 Year Plan):				\$2,275,100

APPENDIX D

2020 OSIM Inspection Forms

Inventory Data

Structure Name	Firstbrooke Line Road Bridge		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Navig water"/>
Road Name	Firstbrooke Line Road		
Structure Location	2.0 km South of Mowat Landing Road		
Latitude	47d26'41.9" N	Longitude	79d45'35.1" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Town of Haileybury		
Structure Type	Bailey Panel		
Total Deck Length	15.24	(m)	Posted Speed <input type="text"/>
Overall Str Width	3.48	(m)	No of Lanes <input type="text" value="1"/>
Total Deck Area	53.0352	(sq. m)	AADT <input type="text"/>
Roadway Width	3.18	(m)	% Trucks <input type="text"/>
Span Lengths	15.24 (m)		
	Special Routes: Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input checked="" type="checkbox"/>		
	Detour Length Around Bridge <input type="text" value="14"/> (km)		
	Fill on Structure <input type="text" value="0"/> (m)		
	Skew Angle <input type="text" value="0"/> (Degrees)		
	Direction of Structure <input type="text" value="North/South"/>		
	No of Spans <input type="text" value="1"/>		

Historical Data

Year Built:	<input type="text" value="1953"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text" value="10/13/21"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text" value="1996-06-15"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>

Rehab History: (Date/description)

2018 - New longitudinal and diagonal decking installed, some new pieces of curb installed

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 18° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Decks				Length:	21.24
Element Name:	Wearing surface				Width:	0.57
Location:	Longitudinal Running Boards				Height:	0.038
Material:	Wood				Count:	2
Element Type:	Wood Planks				Total Quantity:	12.1
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		11.1		1	
Comments						
Referring to longitudinal boards. Some rotting and splitting at edges. Some loose boards.						
Recommended Work						
Replace rotten boards. Re-attach loose boards.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$2,000.00
Priority						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Element Group:	Decks				Length:	21.24
Element Name:	Deck top				Width:	3.48
Location:					Height:	0.051
Material:	Wood				Count:	1
Element Type:	Wood Planks				Total Quantity:	73.91
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		69.91		4	
Comments						
Referring to diagonal boards. Multiple area of severe rotting and deterioration of wood leaving holes in the deck top.						
Recommended Work						
Repair deck top timbers urgently.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$10,000.00
Priority						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Element Group:	Sidewalks/curbs				Length:	21.24
Element Name:	Curbs				Width:	0.305
Location:	Each Side				Height:	0.102
Material:	Wood				Count:	2
Element Type:					Total Quantity:	8.64
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		3.32	4.32	1	
Comments						
Some individual pieces replaced in 2018. Severe checks and splits throughout.						
Recommended Work						
Replace rotted pieces as required.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$1,000.00
Priority						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Municipal Structure Inspection Form

Structure Number: 01

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab</p> <p>Location:</p> <p>Material: Wood</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 21.24</p> <p>Width: 3.48</p> <p>Height:</p> <p>Count: 1</p> <p>Total Quantity: 73.91</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 73.91 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Referring to transverse beams.</p> <p>Recommended Work</p>	

<p>Element Group: Barriers</p> <p>Element Name: Railing Systems</p> <p>Location: Each Side</p> <p>Material: Steel</p> <p>Element Type: Steel Flex Beam over Bailey Bridge</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 21.24</p> <p>Width:</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 42.47</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>m 32.47 10 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$5,000.00</p> <p>Priority: 1-5 yrs None 6-10 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Minor impact damage throughout length of barrier. No offset blocks; SBGR installed on truss. East SBGR lower than west.</p> <p>Recommended Work</p> <p>Install offset blocks and replace SBGR.</p>	

<p>Element Group: Abutments</p> <p>Element Name: Abutment walls</p> <p>Location: Each End</p> <p>Material: Wood</p> <p>Element Type: Timber crib</p> <p>Environment: Benign</p> <p>Protection System: Penetrant applied</p>	<p>Length:</p> <p>Width: 6.04</p> <p>Height: 1.14</p> <p>Count: 2</p> <p>Total Quantity: 13.77</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 13.77 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 01

<p>Element Group: Abutments</p> <p>Element Name: Bearings</p> <p>Location: Each End</p> <p>Material: Steel</p> <p>Element Type: Plate</p> <p>Environment: Benign</p> <p>Protection System: Epoxy zinc/acrylic/acrylic</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="4"/></p> <p>Total Quantity: <input type="text" value="4"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text"/> <input type="text" value="4"/> <input type="text"/></p>	<p>Maint. Needs</p> <p>Bridge Cleaning <input type="text"/></p> <p>Perform. Deficiencies</p> <p>None <input type="text"/></p>
<p>Comments</p> <p>Bearing pads exhibit medium to severe corrosion. Northwest and northeast bearing pad is perforated. Covered in gravel and debris.</p>	<p>Estimated Construction Cost: <input type="text" value="\$0.00"/></p> <p>Priority</p> <p>None <input type="text"/></p> <p>6-10 yrs <input type="text"/></p> <p>1-5 yrs <input type="text"/></p> <p>Within 1 yr <input type="text"/></p> <p>Urgent <input type="text"/></p>
<p>Recommended Work</p> <p>Clean bearings as maintenance.</p>	

<p>Element Group: Beams/ML's</p> <p>Element Name: Floor Beams</p> <p>Location: <input type="text"/></p> <p>Material: Steel</p> <p>Element Type: I-type</p> <p>Environment: Benign</p> <p>Protection System: Epoxy zinc/acrylic/acrylic</p>	<p>Length: <input type="text" value="5.44"/></p> <p>Width: <input type="text" value="0.1"/></p> <p>Height: <input type="text" value="0.25"/></p> <p>Count: <input type="text" value="10"/></p> <p>Total Quantity: <input type="text" value="43.52"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="32.72"/> <input type="text" value="5.4"/> <input type="text" value="5.4"/></p>	<p>Maint. Needs</p> <p><input type="text"/></p> <p>Perform. Deficiencies</p> <p>None <input type="text"/></p>
<p>Comments</p> <p>Medium corrosion and section loss of the top flanges. Coating has failed.</p>	<p>Estimated Construction Cost: <input type="text" value="\$13,000.00"/></p> <p>Priority</p> <p>None <input type="text"/></p> <p>6-10 yrs <input type="text"/></p> <p>1-5 yrs <input type="text"/></p> <p>Within 1 yr <input type="text"/></p> <p>Urgent <input type="text"/></p>
<p>Recommended Work</p> <p>Replace floor beams.</p>	

<p>Element Group: Beams/ML's</p> <p>Element Name: Stringers</p> <p>Location: <input type="text"/></p> <p>Material: Steel</p> <p>Element Type: I-type</p> <p>Environment: Benign</p> <p>Protection System: Epoxy zinc/acrylic/acrylic</p>	<p>Length: <input type="text" value="21.24"/></p> <p>Width: <input type="text" value="0.051"/></p> <p>Height: <input type="text" value="0.102"/></p> <p>Count: <input type="text" value="15"/></p> <p>Total Quantity: <input type="text" value="81.24"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="80.74"/> <input type="text"/> <input type="text" value="0.5"/></p>	<p>Maint. Needs</p> <p><input type="text"/></p> <p>Perform. Deficiencies</p> <p>None <input type="text"/></p>
<p>Comments</p> <p>Light corrosion. Coating has failed. Severe corrosion and section loss at northeast.</p>	<p>Estimated Construction Cost: <input type="text"/></p> <p>Priority</p> <p>None <input type="text"/></p> <p>6-10 yrs <input type="text"/></p> <p>1-5 yrs <input type="text"/></p> <p>Within 1 yr <input type="text"/></p> <p>Urgent <input type="text"/></p>
<p>Recommended Work</p> <p><input type="text"/></p>	

Municipal Structure Inspection Form

Structure Number: 01

<p>Element Group: Bracing</p> <p>Element Name: Bracing</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: Epoxy zinc/acrylic/acrylic</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Each <input type="text"/> <input type="text"/> 8 2</p> <p>Comments</p> <p>Severe corrosion. Section loss at connections. Pitting noted in sway brace by south abutment. Evidence of sagging at all sway braces.</p> <p>Recommended Work</p> <p>Tighten sway braces.</p>	<p>Length: 5.49</p> <p>Width:</p> <p>Height:</p> <p>Count: 10</p> <p>Total Quantity: 10</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$1,200.00</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
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<p>Element Group: Trusses/Arches</p> <p>Element Name: Top chords</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type: Channel</p> <p>Environment: Benign</p> <p>Protection System: Epoxy zinc/acrylic/acrylic</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m <input type="text"/> 18.66 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Surface rust.</p> <p>Recommended Work</p>	<p>Length: 3.05</p> <p>Width: 0.051</p> <p>Height: 0.102</p> <p>Count: 20</p> <p>Total Quantity: 18.66</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
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<p>Element Group: Trusses/Arches</p> <p>Element Name: Bottom chords</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type: Channel</p> <p>Environment: Benign</p> <p>Protection System: Epoxy zinc/acrylic/acrylic</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m <input type="text"/> 18.66 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Extensive surface rust.</p> <p>Recommended Work</p>	<p>Length: 3.05</p> <p>Width: 0.051</p> <p>Height: 0.102</p> <p>Count: 20</p> <p>Total Quantity: 18.66</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
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Municipal Structure Inspection Form

Structure Number: 01

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Trusses/Arches</td></tr> <tr><td>Element Name:</td><td>Verticals/diagonals</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3">Verticals</td></tr> <tr><td>Material:</td><td colspan="3">Steel</td></tr> <tr><td>Element Type:</td><td colspan="3">Channel</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">Epoxy zinc/acrylic/acrylic</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>9.25</td> <td></td> <td>1</td> </tr> </table> <p>Comments</p> <p>Surface rust. Vertical lateral bracing damaged and not connected to the structure at southeast, southwest, and northwest.</p> <p>Recommended Work</p> <p>Repair and reconnect damaged elements.</p>	Element Group:	Trusses/Arches			Element Name:	Verticals/diagonals			Location:	Verticals			Material:	Steel			Element Type:	Channel			Environment:	Benign			Protection System:	Epoxy zinc/acrylic/acrylic			Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		9.25		1	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>1.5</td></tr> <tr><td>Width:</td><td>0.076</td></tr> <tr><td>Height:</td><td>0.038</td></tr> <tr><td>Count:</td><td>30</td></tr> <tr><td>Total Quantity:</td><td>10.25</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$1,000.00</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	1.5	Width:	0.076	Height:	0.038	Count:	30	Total Quantity:	10.25
Element Group:	Trusses/Arches																																																		
Element Name:	Verticals/diagonals																																																		
Location:	Verticals																																																		
Material:	Steel																																																		
Element Type:	Channel																																																		
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Municipal Structure Inspection Form

Structure Number: 01

<p>Element Group: <u>Coatings</u></p> <p>Element Name: <u>Structural Steel</u></p> <p>Location: <u></u></p> <p>Material: <u></u></p> <p>Element Type: <u>Epoxy zinc/acrylic/acrylic</u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;"> <input checked="" type="text" value="Sq. m"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text" value="192.7"/> </p> <p>Comments</p> <p><u>Peeling and loss of coating noted. Coating has failed.</u></p> <p>Recommended Work</p> <p><u>Re-coat structural steel.</u></p>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u></u></p> <p>Total Quantity: <u>192.7</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u>\$90,000.00</u></p> <p>Priority</p> <div style="border: 1px solid black; padding: 2px;"> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p> </div>
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<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Embankments</u></p> <p>Location: <u>All</u></p> <p>Material: <u></u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;"> <input checked="" type="text" value="Each"/> <input type="text"/> <input type="text" value="4"/> <input type="text"/> <input type="text"/> </p> <p>Comments</p> <p><u></u></p> <p>Recommended Work</p> <p><u></u></p>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u>4</u></p> <p>Total Quantity: <u>4</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p>Priority</p> <div style="border: 1px solid black; padding: 2px;"> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p> </div>
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<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Streams and Waterways</u></p> <p>Location: <u>Under Bridge</u></p> <p>Material: <u></u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;"> <input checked="" type="text" value="Each"/> <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/> </p> <p>Comments</p> <p><u></u></p> <p>Recommended Work</p> <p><u></u></p>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u>1</u></p> <p>Total Quantity: <u>1</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p>Priority</p> <div style="border: 1px solid black; padding: 2px;"> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p> </div>
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Municipal Structure Inspection Form

Structure Number: 01

Element Group:	Signs				Length:	
Element Name:	Signs				Width:	
Location:					Height:	
Material:	Steel				Count:	6
Element Type:					Total Quantity:	6
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Other
	Sq. m		2		4	
Comments						
Load posting signs installed. No hazard markers present.						
Recommended Work						
Install hazard markers at each quadrant						
					Perform. Deficiencies	None
					Estimated Construction Cost:	\$0.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Approaches				Length:	11.5
Element Name:	Barriers				Width:	
Location:					Height:	
Material:	Steel				Count:	4
Element Type:	Steel Flex Beam on wood post				Total Quantity:	46
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Other
	Sq. m			15	31	
Comments						
Multiple areas of impact damage. Improper end treatments. Every second post of SBGR is missing. Several rotted posts at south. SBGR leans away from road. East SBGR lower than at west.						
Recommended Work						
Replace barrier system with proper end treatments and structure connections.						
					Perform. Deficiencies	None
					Estimated Construction Cost:	\$30,000.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Approaches	Barriers	Replace barrier system with proper end treatments and structure connections.	1-5 yrs	\$30,000.00
Coatings	Structural Steel	Re-coat structural steel.	1-5 yrs	\$90,000.00
Trusses/Arches	Verticals/diagonals	Repair and reconnect damaged elements.	1-5 yrs	\$1,000.00
Bracing	Bracing	Tighten sway braces.	1-5 yrs	\$1,200.00
Beams/MLE's	Floor Beams	Replace floor beams.	1-5 yrs	\$13,000.00
Barriers	Railing Systems	Install offset blocks and replace SBGR.	1-5 yrs	\$5,000.00

Municipal Structure Inspection Form**Structure Number:** 01

Sidewalks/curbs	Curbs	Replace rotted pieces as required.	Within 1 yr	\$1,000.00
Decks	Deck top	Repair deck top timbers urgently.	Within 1 yr	\$10,000.00
Decks	Wearing surface	Replace rotten boards. Re-attach loose boards.	Within 1 yr	\$2,000.00
Total				\$153,200.00

Associated Work

		Comments	Estimated Cost
Approaches			\$0.00
Detours			\$0.00
Traffic Control			\$5,000.00
Utilities			\$0.00
Right of Way			\$0.00
Environmental Study			\$0.00
Other		Engineering (15%)	\$24,000.00
Contingencies		15%	\$24,000.00
Total Estimated Const. Cost			\$206,200.00

Justification

Structure Number: 01



Roadway looking east.



East elevation.

Structure Number: 01



Collision damage at west rail, note no offset blocks present.



Severely damaged deck top.

Structure Number: 01



Severely damaged deck top.



Severe splintering of curb at southeast.

Structure Number: 01



Impact damage on guidrail, damaged bracing at southwest.



Damaged bracing at southeast.

Structure Number: 01



Underside looking south, severe corrosion of bracing and floor beams.



Severe corrosion and section loss of floor beams, failure of coating.

Structure Number: 01



Severe corrosion and perforation of bearing plate.

Inventory Data

Structure Name	Mowat Landing Road Bridge		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	Mowat Landing Road		
Structure Location	2 km West of Fleming's Road		
Latitude	47d27'47.2" N	Longitude	79d44'05.7" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Haileybury		
Structure Type	Timber deck and girders		
Total Deck Length	7.8 (m)	Posted Speed	80
Overall Str Width	11 (m)	No of Lanes	2
Total Deck Area	85.8 (sq. m)	AADT	<input type="text"/>
Roadway Width	8.6 (m)	% Trucks	<input type="text"/>
Span Lengths	4.9 (m)	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
		Detour Length Around Bridge	14 (km)
		Fill on Structure	0.2 (m)
		Skew Angle	0 (Degrees)
		Direction of Structure	East/West
		No of Spans	1

Historical Data

Year Built:	1974	Last Biennial Inspection:	2018-09-19
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			
2010 - Addition of steel frame at centre of bridge.			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="Normal"/>	<input type="text" value="5000"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="5000"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Structural Evaluation recommended to determine load posting.

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	All				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		4			
Comments						
Recommended Work						

Element Group:	Embankments & Streams				Length:	
Element Name:	Streams and Waterways				Width:	
Location:	Under Bridge				Height:	
Material:					Count:	1
Element Type:					Total Quantity:	1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		1			
Comments						
Recommended Work						

Element Group:	Abutments				Length:	3.6
Element Name:	Abutment walls				Width:	11
Location:	Footings				Height:	1.35
Material:	Cast-in-place concrete				Count:	2
Element Type:	Spread				Total Quantity:	49.1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		46.1	1.5	1.5	
Comments						
Light scaling with isolated rust stains. Vertical medium crack at location of steel column on both abutments. Undermining of abutment footing at northeast and southeast.						
Recommended Work						
Grout and repair undermined concrete.						

Municipal Structure Inspection Form

Structure Number: 02

<p>Element Group: Abutments</p> <p>Element Name: Abutment walls</p> <p>Location: Each End</p> <p>Material: Wood</p> <p>Element Type: Timber crib</p> <p>Environment: Benign</p> <p>Protection System: Creosote</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text" value="11"/></p> <p>Height: <input type="text" value="2.1"/></p> <p>Count: <input type="text" value="2"/></p> <p>Total Quantity: <input type="text" value="46.19"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="46.19"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p> <p>Perform. Deficiencies <input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Light checks and shakes in crib timbers. Medium weathering.</p>	
<p>Recommended Work</p> <p><input type="text"/></p>	

<p>Element Group: Embankments & Streams</p> <p>Element Name: Slope protection</p> <p>Location: Northeast Emabankment</p> <p>Material: Other</p> <p>Element Type: Crib or gabion</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="1"/></p> <p>Total Quantity: <input type="text" value="1"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p> <p>Perform. Deficiencies <input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Gabions are bulging but appear stable.</p>	
<p>Recommended Work</p> <p><input type="text"/></p>	

<p>Element Group: Abutments</p> <p>Element Name: Wingwalls</p> <p>Location: Each Quadrant</p> <p>Material: Wood</p> <p>Element Type: Timber crib</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text" value="2.4"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text" value="1.05"/></p> <p>Count: <input type="text" value="4"/></p> <p>Total Quantity: <input type="text" value="10.07"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="9.07"/> <input type="text"/> <input type="text" value="1"/></p>	<p>Maint. Needs <input type="text"/></p> <p>Perform. Deficiencies <input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$12,000.00"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Rotation on northeast wingwall behind ballast wall noted.</p>	
<p>Recommended Work</p> <p>Replace top portion of wingwalls at all four quadrants.</p>	

Municipal Structure Inspection Form

Structure Number: 02

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Girders</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3">5th Girder From North Side</td></tr> <tr><td>Material:</td><td colspan="3">Steel</td></tr> <tr><td>Element Type:</td><td colspan="3">I-type</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">None</td></tr> </table> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Each</td> <td></td> <td>1</td> <td></td> <td></td> </tr> </table> <p>Comments</p> <p>Severe corrosion with section loss of web and flanges at bottom of each steel column.</p> <p>Recommended Work</p> <p>Repair steel / recoat bottom of steel columns.</p>	Element Group:	Beams/MLE's			Element Name:	Girders			Location:	5th Girder From North Side			Material:	Steel			Element Type:	I-type			Environment:	Benign			Protection System:	None			Condition Data:	Units	Exc	Good	Fair	Poor		Each		1			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>1</td></tr> <tr><td>Total Quantity:</td><td>1</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$3,000.00</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:		Width:		Height:		Count:	1	Total Quantity:	1
Element Group:	Beams/MLE's																																																		
Element Name:	Girders																																																		
Location:	5th Girder From North Side																																																		
Material:	Steel																																																		
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Environment:	Benign																																																		
Protection System:	None																																																		
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Element Group:	Beams/MLE's																																																		
Element Name:	Girders																																																		
Location:																																																			
Material:	Wood																																																		
Element Type:	Rectangular-solid																																																		
Environment:	Benign																																																		
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Element Group:	Abutments																																																		
Element Name:	Bearings																																																		
Location:	Each End																																																		
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	Each		4																																																
Length:	11																																																		
Width:	0.3																																																		
Height:	0.3																																																		
Count:	4																																																		
Total Quantity:	4																																																		

Municipal Structure Inspection Form

Structure Number: 02

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab</p> <p>Location:</p> <p>Material: Wood</p> <p>Element Type: Laminated wood decking - transverse</p> <p>Environment: Benign</p> <p>Protection System: Creosote</p>	<p>Length: 7.8</p> <p>Width: 7.15</p> <p>Height: 0.2</p> <p>Count:</p> <p>Total Quantity: 55.77</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 55.77 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Based on limited visual inspection of ends of boards and soffit. Extensive wide cracks visible at ends of boards.</p> <p>Recommended Work</p> <p>Replace wood deck (costed under deck top).</p>	

<p>Element Group: Decks</p> <p>Element Name: Deck top</p> <p>Location:</p> <p>Material: Wood</p> <p>Element Type: Laminated wood decking - transverse</p> <p>Environment: Benign</p> <p>Protection System: Creosote</p>	<p>Length: 7.8</p> <p>Width: 11</p> <p>Height: 0.2</p> <p>Count: 1</p> <p>Total Quantity: 85.8</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 85.8 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$20,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Deck top covered with asphalt wearing surface.</p> <p>Recommended Work</p> <p>Replace wood deck.</p>	

<p>Element Group: Decks</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material: Other</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 7.8</p> <p>Width: 11</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 85.8</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 42.9 42.9</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$15,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Extensive ravelling.</p> <p>Recommended Work</p> <p>Repave.</p>	

Municipal Structure Inspection Form

Structure Number: 02

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Sidewalks/curbs</td></tr> <tr><td>Element Name:</td><td>Curbs</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3">Each Side</td></tr> <tr><td>Material:</td><td colspan="3">Wood</td></tr> <tr><td>Element Type:</td><td colspan="3">Rectangular-solid</td></tr> <tr><td>Environment:</td><td colspan="3">Severe</td></tr> <tr><td>Protection System:</td><td colspan="3">Creosote</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>12.04</td> <td></td> <td>2</td> </tr> </table> <p>Comments</p> <p>Northwest and southwest curbs rotting and splintering.</p> <p>Recommended Work</p> <p>Replace with barrier (costed under railing system).</p>	Element Group:	Sidewalks/curbs			Element Name:	Curbs			Location:	Each Side			Material:	Wood			Element Type:	Rectangular-solid			Environment:	Severe			Protection System:	Creosote			Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		12.04		2	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>7.8</td></tr> <tr><td>Width:</td><td>0.3</td></tr> <tr><td>Height:</td><td>0.3</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>14.04</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p>Priority</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>None</td></tr> <tr><td>6-10 yrs</td></tr> <tr><td>1-5 yrs</td></tr> <tr><td>Within 1 yr</td></tr> <tr><td>Urgent</td></tr> </table>	Length:	7.8	Width:	0.3	Height:	0.3	Count:	2	Total Quantity:	14.04	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Sidewalks/curbs																																																							
Element Name:	Curbs																																																							
Location:	Each Side																																																							
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Element Group:	Barriers																																																							
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Municipal Structure Inspection Form

Structure Number: 02

Element Group:	Signs				Length:	
Element Name:	Signs				Width:	
Location:					Height:	
Material:	Steel				Count:	4
Element Type:					Total Quantity:	4
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Other
	Sq. m					4
Comments						
No hazard markers present.						
Recommended Work						
Install hazard markers.						
					Perform. Deficiencies	None
					Estimated Construction Cost:	\$0.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Approaches				Length:	10
Element Name:	Wearing surface				Width:	7.8
Location:	Each End				Height:	0.08
Material:	Asphalt				Count:	2
Element Type:					Total Quantity:	156
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Other
	Sq. m		155.9			0.1
Comments						
Pothole at centreline of west approach.						
Recommended Work						
Patch pothole.						
					Perform. Deficiencies	None
					Estimated Construction Cost:	\$0.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Barriers	Railing Systems	Replace barrier system.	1-5 yrs	\$32,000.00
Decks	Wearing surface	Repave.	1-5 yrs	\$15,000.00
Decks	Deck top	Replace wood deck.	1-5 yrs	\$20,000.00
Beams/MLE's	Girders	Repair steel / recoat bottom of steel columns.	1-5 yrs	\$3,000.00
Abutments	Wingwalls	Replace top portion of wingwalls at all four quadrants.	1-5 yrs	\$12,000.00
Abutments	Abutment walls	Grout and repair undermined concrete.	1-5 yrs	\$15,000.00

Total	\$97,000.00
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Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$8,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$20,000.00
Contingencies	(15%)	\$20,000.00
Total Estimated Const. Cost		\$145,000.00

Justification

Structure Number: 02



Roadway looking east.



North elevation.

Structure Number: 02



Collision damage and rotted curb at south.



Pothole on deck wearing surface.

Structure Number: 02



Rotted post with severe section loss at northeast.



Undermining of abutment wall footing at northeast due to scour effect.

Structure Number: 02



Undermining of abutment wall footing at southeast due to scour effect.



Severe checks, light rot of timber beams.

Structure Number: 02



West abutment, light checks and medium weathering in timbers.



Rotated wingwall at northeast.

Structure Number: 02



Severe corrosion with section loss of steel frame column base.

Inventory Data

Structure Name	Rockley Road Bridge		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Navig water"/>
Road Name	Rockley Road		
Structure Location	Lot 3, Concession 1 & 2 - Dymond		
Latitude	<input n"="" type="text" value="47d30'29.8"/>	Longitude	<input type="text" value="79d43'53.5" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input type="text" value="Not 'Cons'"/>		
Road Class:	<input type="text" value="Local"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>		
Old County	<input type="text" value="Temiskaming"/>		
Geographic Twp	<input type="text" value="Dymond"/>		
Structure Type	<input type="text" value="Concrete slab on concrete girder"/>		
Total Deck Length	<input type="text" value="56.5"/>	(m)	Posted Speed <input type="text"/>
Overall Str Width	<input type="text" value="9.36"/>	(m)	No of Lanes <input type="text" value="2"/>
Total Deck Area	<input type="text" value="528.84"/>	(sq. m)	AADT <input type="text"/>
Roadway Width	<input type="text" value="8.5"/>	(m)	% Trucks <input type="text"/>
Span Lengths	<input type="text" value="15.8, 25, 15.8"/>		
			Special Routes: Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
			Detour Length Around Bridge <input type="text" value="6"/> (km)
			Fill on Structure <input type="text" value="0"/> (m)
			Skew Angle <input type="text" value="0"/> (Degrees)
			Direction of Structure <input type="text" value="East/West"/>
			No of Spans <input type="text" value="3"/>
			(m)

Historical Data

Year Built:	<input type="text" value="1989"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/>	(tonnes)	Last BridgeMaster Inspection:
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/>	(m)	Last Condition Survey:
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Foundations				Length:	
Element Name:	Foundation (below ground level)				Width:	
Location:					Height:	
Material:	Cast-in-place concrete				Count:	2
Element Type:	Spread				Total Quantity:	2
Environment:	Benign				Limited Inspection	<input checked="" type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies
	Each		2			None
Comments						Estimated Construction Cost:
						Priority
						None
Recommended Work						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Element Group:	Embankments & Streams				Length:	
Element Name:	Streams and Waterways				Width:	
Location:	Under Bridge				Height:	
Material:					Count:	1
Element Type:					Total Quantity:	1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies
	Each		1			None
Comments						Estimated Construction Cost:
						Priority
						None
Recommended Work						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	Each Quadrant				Height:	
Material:					Count:	6
Element Type:					Total Quantity:	6
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Erosion Control at Bridges
	Each		4	2		Perform. Deficiencies
Comments						None
Embankment under bridge are eroding due to deck drains.						Estimated Construction Cost:
Recommended Work						Priority
Place rock or vegetation at deck drain locations.						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Municipal Structure Inspection Form

Structure Number: 03

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Abutments</td></tr> <tr><td>Element Name:</td><td>Abutment walls</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3">Each End</td></tr> <tr><td>Material:</td><td colspan="3">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="3">Conventional closed</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>24.43</td> <td></td> <td></td> </tr> </table> <p>Comments</p> <p>2 narrow cracks at east wall. 2 narrow vertical cracks at west wall, one with moisture.</p> <p>Recommended Work</p>	Element Group:	Abutments			Element Name:	Abutment walls			Location:	Each End			Material:	Cast-in-place concrete			Element Type:	Conventional closed			Environment:	Benign			Protection System:	None			Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		24.43			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td>9.4</td></tr> <tr><td>Height:</td><td>1.3</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>24.43</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>	Length:		Width:	9.4	Height:	1.3	Count:	2	Total Quantity:	24.43
Element Group:	Abutments																																																		
Element Name:	Abutment walls																																																		
Location:	Each End																																																		
Material:	Cast-in-place concrete																																																		
Element Type:	Conventional closed																																																		
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Element Group:	Abutments																																																		
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Element Group:	Piers																																																		
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Count:	2																																																		
Total Quantity:	85.14																																																		

Municipal Structure Inspection Form

Structure Number: 03

<p>Element Group: Abutments</p> <p>Element Name: Ballast walls</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 26.31 </p> <p>Comments</p> <p>No evidence of joint leakage.</p> <p>Recommended Work</p>	<p>Length: </p> <p>Width: 9.4</p> <p>Height: 1.4</p> <p>Count: 2</p> <p>Total Quantity: 26.31</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
--	--

<p>Element Group: Abutments</p> <p>Element Name: Bearings</p> <p>Location: Each End</p> <p>Material: Other</p> <p>Element Type: Elastomeric pad</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Each 8 </p> <p>Comments</p> <p>Recommended Work</p>	<p>Length: 0.25</p> <p>Width: 0.35</p> <p>Height: 0.11</p> <p>Count: 8</p> <p>Total Quantity: 8</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Piers</p> <p>Element Name: Bearings</p> <p>Location:</p> <p>Material: Other</p> <p>Element Type: Elastomeric pad</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Each 8 </p> <p>Comments</p> <p>Recommended Work</p>	<p>Length: </p> <p>Width: </p> <p>Height: </p> <p>Count: 8</p> <p>Total Quantity: 8</p> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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Municipal Structure Inspection Form

Structure Number: 03

<p>Element Group: Decks</p> <p>Element Name: Drainage</p> <p>Location: Each side</p> <p>Material: Steel</p> <p>Element Type: Metal drain pipes</p> <p>Environment: Benign</p> <p>Protection System: Hot dip galvanizing</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Each 8 </p> <p>Comments</p> <p>Drain pipes not attached to girders.</p> <p>Recommended Work</p> <p>Attach drain pipes to girders</p>	<p>Length: </p> <p>Width: 0.2</p> <p>Height: </p> <p>Count: 8</p> <p>Total Quantity: 8</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$5,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Beams/MLE's</p> <p>Element Name: Girders Middle</p> <p>Location: </p> <p>Material: Precast concrete</p> <p>Element Type: I-type</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 856.8 </p> <p>Comments</p> <p>Extensive bugholes.</p> <p>Recommended Work</p>	<p>Length: 52.5</p> <p>Width: 0.56</p> <p>Height: 1.2</p> <p>Count: 4</p> <p>Total Quantity: 856.8</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Interior</p> <p>Location: </p> <p>Material: Cast-in-place concrete</p> <p>Element Type: </p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 292.3 10 0.1</p> <p>Comments</p> <p>Medium transverse cracks at centre span. Small spall at southwest.</p> <p>Recommended Work</p>	<p>Length: 52.5</p> <p>Width: 5.76</p> <p>Height: 0.225</p> <p>Count: 1</p> <p>Total Quantity: 302.4</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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Municipal Structure Inspection Form

Structure Number: 03

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Exterior</p> <p>Location: Each Side</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 105 </p> <p>Comments</p> <p>Some narrow transverse cracks noted.</p> <p>Recommended Work</p>	<p>Length: 52.5</p> <p>Width: 1</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 105</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Decks</p> <p>Element Name: Deck top</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Cast-in-place conc on supports, composite</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 496.09 35 </p> <p>Comments</p> <p>Condition judged from wearing surface.</p> <p>Recommended Work</p> <p>Miscellaneous patching with deck paving (costed under wearing surface).</p>	<p>Length: 56.5</p> <p>Width: 9.4</p> <p>Height: 0.225</p> <p>Count: 1</p> <p>Total Quantity: 531.09</p> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Decks</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 445.25 35 </p> <p>Comments</p> <p>Wide transverse and longitudinal cracks</p> <p>Recommended Work</p> <p>Waterproof and pave.</p>	<p>Length: 56.5</p> <p>Width: 8.5</p> <p>Height: 0.09</p> <p>Count:</p> <p>Total Quantity: 480.25</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$60,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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Municipal Structure Inspection Form

Structure Number: 03

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Barriers</td></tr> <tr><td>Element Name:</td><td>Barrier/Parapet Walls</td><td>Interior</td></tr> <tr><td>Location:</td><td colspan="2">Each Side</td></tr> <tr><td>Material:</td><td colspan="2">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="2"></td></tr> <tr><td>Environment:</td><td colspan="2">Severe</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table> <p>Condition Data:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Units</th> <th>Exc</th> <th>Good</th> <th>Fair</th> <th>Poor</th> </tr> <tr> <td>Sq. m</td> <td></td> <td>116.56</td> <td>6</td> <td></td> </tr> </table> <p>Comments</p> <p>Vertical hairline to narrow cracking throughout. Some light to medium scaling noted, particularly on the north wall.</p> <p>Recommended Work</p>	Element Group:	Barriers		Element Name:	Barrier/Parapet Walls	Interior	Location:	Each Side		Material:	Cast-in-place concrete		Element Type:			Environment:	Severe		Protection System:	None		Units	Exc	Good	Fair	Poor	Sq. m		116.56	6		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>72.1</td></tr> <tr><td>Width:</td><td>0.38</td></tr> <tr><td>Height:</td><td>0.85</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>122.56</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>	Length:	72.1	Width:	0.38	Height:	0.85	Count:	2	Total Quantity:	122.56
Element Group:	Barriers																																									
Element Name:	Barrier/Parapet Walls	Interior																																								
Location:	Each Side																																									
Material:	Cast-in-place concrete																																									
Element Type:																																										
Environment:	Severe																																									
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each Side</td></tr> <tr><td>Material:</td><td colspan="2">Steel</td></tr> <tr><td>Element Type:</td><td colspan="2">Single Railing</td></tr> <tr><td>Environment:</td><td colspan="2">Severe</td></tr> <tr><td>Protection System:</td><td colspan="2">Hot dip galvanizing</td></tr> </table> <p>Condition Data:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Units</th> <th>Exc</th> <th>Good</th> <th>Fair</th> <th>Poor</th> </tr> <tr> <td>Sq. m</td> <td></td> <td>109</td> <td>2</td> <td>2</td> </tr> </table> <p>Comments</p> <p>Impact damage at northeast, damage at northwest, and missing bolt noted.</p> <p>Recommended Work</p> <p>Replace damaged sections and replace missing bolt.</p>	Element Group:	Barriers		Element Name:	Railing Systems		Location:	Each Side		Material:	Steel		Element Type:	Single Railing		Environment:	Severe		Protection System:	Hot dip galvanizing		Units	Exc	Good	Fair	Poor	Sq. m		109	2	2	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>70.9</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>113</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Bridge Handrail Maintenance</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>	Length:	70.9	Width:		Height:		Count:	2	Total Quantity:	113
Element Group:	Barriers																																									
Element Name:	Railing Systems																																									
Location:	Each Side																																									
Material:	Steel																																									
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Approaches</td></tr> <tr><td>Element Name:</td><td>Approach slabs</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each End</td></tr> <tr><td>Material:</td><td colspan="2">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="2">Cast-in-place concrete on supports</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table> <p>Condition Data:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Units</th> <th>Exc</th> <th>Good</th> <th>Fair</th> <th>Poor</th> </tr> <tr> <td>Sq. m</td> <td></td> <td>51</td> <td>51</td> <td>0</td> </tr> </table> <p>Comments</p> <p>Settlement of the west approach slab with ponding</p> <p>Recommended Work</p> <p>Replace approach slab at west approach to improve water drainage and prevent ponding. Install catch basin with outlet pipeto drain water at west approach as maintenance.</p>	Element Group:	Approaches		Element Name:	Approach slabs		Location:	Each End		Material:	Cast-in-place concrete		Element Type:	Cast-in-place concrete on supports		Environment:	Benign		Protection System:	None		Units	Exc	Good	Fair	Poor	Sq. m		51	51	0	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>6</td></tr> <tr><td>Width:</td><td>8.5</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>102</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Bridge Deck Drainage</p> <p>Perform. Deficiencies</p> <p>Continuing settlement</p> <p>Estimated Construction Cost:</p> <p>\$30,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>	Length:	6	Width:	8.5	Height:		Count:	2	Total Quantity:	102
Element Group:	Approaches																																									
Element Name:	Approach slabs																																									
Location:	Each End																																									
Material:	Cast-in-place concrete																																									
Element Type:	Cast-in-place concrete on supports																																									
Environment:	Benign																																									
Protection System:	None																																									
Units	Exc	Good	Fair	Poor																																						
Sq. m		51	51	0																																						
Length:	6																																									
Width:	8.5																																									
Height:																																										
Count:	2																																									
Total Quantity:	102																																									

Municipal Structure Inspection Form

Structure Number: 03

<p>Element Group: Approaches</p> <p>Element Name: Curb/gutters</p> <p>Location: Each Quadrant</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 11.4</p> <p>Width:</p> <p>Height:</p> <p>Count: 4</p> <p>Total Quantity: 45.59</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>m 45.59 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location: Each End</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 7.8</p> <p>Width: 8.5</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 132.6</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 120.6 6 6</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$20,000.00</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments: Medium and wide transverse and longitudinal cracks throughout. Wide cracks and areas of disintegration at east approach. Dip and ponding at west approach. Wide crack with water at west approach</p> <p>Recommended Work: Repave approaches.</p>	

<p>Element Group: Approaches</p> <p>Element Name: Railing Systems</p> <p>Location: Each Quadrant</p> <p>Material: Steel</p> <p>Element Type: Steel Flex Beam on wood post</p> <p>Environment: Severe</p> <p>Protection System: Hot dip galvanizing</p>	<p>Length: 35.75</p> <p>Width:</p> <p>Height:</p> <p>Count: 4</p> <p>Total Quantity: 143</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>m 137 5 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$5,000.00</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments: Some posts exhibit rotting at top.</p> <p>Recommended Work: Replace rotting posts.</p>	

Municipal Structure Inspection Form

Structure Number: 03

<p>Element Group: Beams/MLE's</p> <p>Element Name: Girders End</p> <p>Location: </p> <p>Material: Precast concrete</p> <p>Element Type: I-type</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 4</p> <p>Width: 0.56</p> <p>Height: 1.2</p> <p>Count: 4</p> <p>Total Quantity: 65.27</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 65.27 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Extensive bugholes.</p> <p>Recommended Work</p>	

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab End</p> <p>Location: </p> <p>Material: Cast-in-place concrete</p> <p>Element Type: </p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 4</p> <p>Width: 5.76</p> <p>Height: </p> <p>Count: </p> <p>Total Quantity: 23.04</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 23.04 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Some narrow transverse cracks noted.</p> <p>Recommended Work</p>	

<p>Element Group: Barriers</p> <p>Element Name: Barrier/Parapet Walls Exterior</p> <p>Location: Each Side</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Safety Shape with single railing</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 72.1</p> <p>Width: 0.38</p> <p>Height: 0.85</p> <p>Count: 2</p> <p>Total Quantity: 122.56</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 122.56 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: </p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Some narrow to medium cracking noted.</p> <p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 03

<p>Element Group: Signs</p> <p>Element Name: Signs</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type:</p> <p>Environment: Severe</p> <p>Protection System:</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 4</p> <p>Total Quantity: 4</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 4</p>	<p>Maint. Needs</p> <p>Other</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>No hazard markers present.</p>	
<p>Recommended Work</p> <p>Install hazard markers.</p>	

<p>Element Group: Beams/MLE's</p> <p>Element Name: Diaphragms</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Rectangular-solid</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.5</p> <p>Width: 1.6</p> <p>Height: 1.05</p> <p>Count: 12</p> <p>Total Quantity: 32.76</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 32.76 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p>	
<p>Recommended Work</p>	

<p>Element Group: Joints</p> <p>Element Name: Concrete end dams</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Cast-in-place concrete on supports</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.45</p> <p>Width: 8.5</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 7.64</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 7.14 0.5 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Light to medium scaling</p>	
<p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 03

Element Group:	Joints				Length:	8.5
Element Name:	Armouring/retaining devices				Width:	0.083
Location:	Each End				Height:	
Material:	Steel				Count:	8
Element Type:					Total Quantity:	68
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	m		68			
Comments						
Recommended Work						

Element Group:	Joints				Length:	
Element Name:	Seals/sealants				Width:	9
Location:	Each End				Height:	
Material:	Other				Count:	2
Element Type:	Strip seal				Total Quantity:	2
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		2			
Comments						
Expansion joint gap filled with sand.						
Recommended Work						
Replace expansion joint seals. Clean gap as maintenance.						

Repair and Rehabilitation Required				
Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Joints	Seals/sealants	Replace expansion joint seals. Clean gap as maintenance.	6-10 yrs	\$30,000.00
Approaches	Railing Systems	Replace rotting posts.	6-10 yrs	\$5,000.00
Approaches	Wearing surface	Repave approaches.	6-10 yrs	\$20,000.00
Approaches	Approach slabs	Replace approach slab at west approach to improve water drainage and prevent ponding. Install catch basin with outlet pipeto drain water at west approach as maintenance.	6-10 yrs	\$30,000.00
Decks	Wearing surface	Waterproof and pave.	6-10 yrs	\$60,000.00

Municipal Structure Inspection Form**Structure Number:** 03

Decks	Drainage	Attach drain pipes to girders	6-10 yrs	\$5,000.00
Total				\$150,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$40,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$30,000.00
Contingencies	(15%)	\$30,000.00
Total Estimated Const. Cost		\$250,000.00

Justification

Structure Number: 03



Roadway looking west.



South elevation.

Structure Number: 03



Wide cracks and dip at west approach with evidence of pooling water.



Wide longitudinal and transverse cracks on deck wearing surface (typ.)

Structure Number: 03



Sand in expansion joint, light scaling of concrete end dams.



Medium to severe scaling at north wall.

Structure Number: 03



Damaged handrail section.



East pier.

Structure Number: 03



Bearing (typ.)



Medium transverse crack in soffit.

Structure Number: 03



Drain pipe not connected to girders.



Erosion in embankment due to deck drain.

Structure Number: 03



Rotted guiderail post.



Damaged handrail bracket at northwest.

Structure Number: 03



Bearing (typ.)



Narrow crack in west soffit.

Inventory Data

Structure Name	Pete's Dam Road Bridge		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	Pete's Dam Road		
Structure Location	Concession 3, Lot 4, Dymond - 1.2km West of Highway 65		
Latitude	47d31'24.7" N	Longitude	79d43'24.6" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not Cons		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Concrete slab on steel girders		
Total Deck Length	28.5	(m)	Posted Speed <input type="text"/>
Overall Str Width	6.5	(m)	No of Lanes <input type="text" value="1"/>
Total Deck Area	185.25	(sq. m)	AADT <input type="text"/>
Roadway Width	5.7	(m)	% Trucks <input type="text"/>
Span Lengths	14.25, 14.25 (m)		
	Special Routes: Transit <input type="checkbox"/> Truck <input checked="" type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>		
	Detour Length Around Bridge <input type="text" value="8"/> (km)		
	Fill on Structure <input type="text" value="0"/> (m)		
	Skew Angle <input type="text" value="0"/> (Degrees)		
	Direction of Structure <input type="text" value="East/West"/>		
	No of Spans <input type="text" value="2"/>		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 18° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Foundations				Length:	
Element Name:	Foundation (below ground level)				Width:	
Location:	Abutments and Piers				Height:	
Material:	Cast-in-place concrete				Count:	2
Element Type:	Spread				Total Quantity:	2
Environment:	Benign				Limited Inspection	<input checked="" type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		2			
Comments						
Recommended Work						

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	Each Quadrant				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		4			
Comments						
Recommended Work						

Element Group:	Signs				Length:	
Element Name:	Signs				Width:	
Location:					Height:	
Material:	Steel				Count:	4
Element Type:					Total Quantity:	4
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m					4
Comments						
No hazard markers present						
Recommended Work						
Install hazard markers.						

Municipal Structure Inspection Form

Structure Number: 04

<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Streams and Waterways</u></p> <p>Location: <u>Under Bridge</u></p> <p>Material: <u></u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Each</u> <u></u> <u>1</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u>1</u></p> <p>Total Quantity: <u>1</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority <u>None</u></p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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<p>Element Group: <u>Abutments</u></p> <p>Element Name: <u>Abutment walls</u></p> <p>Location: <u>Each End</u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u>Conventional closed</u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Sq. m</u> <u></u> <u>22</u> <u>0.1</u> <u></u></p> <p>Comments</p> <p><u>Extensive bugholes. Some narrow vertical cracking in both walls. Honeycombing at west wall.</u></p> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u>6.5</u></p> <p>Height: <u>1.7</u></p> <p>Count: <u>2</u></p> <p>Total Quantity: <u>22.1</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority <u>None</u></p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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<p>Element Group: <u>Abutments</u></p> <p>Element Name: <u>Ballast walls</u></p> <p>Location: <u>Each End</u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Sq. m</u> <u></u> <u>13</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u>6.5</u></p> <p>Height: <u>1</u></p> <p>Count: <u>2</u></p> <p>Total Quantity: <u>13</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority <u>None</u></p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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Structure Number: 04

Element Group:	Abutments					Length:	0.22	
Element Name:	Bearings					Width:	0.45	
Location:	Each End					Height:	0.03	
Material:	Hybrid					Count:	8	
Element Type:						Total Quantity:	8	
Environment:	Benign					Limited Inspection	<input type="checkbox"/>	
Protection System:	Epoxy zinc/acrylic/acrylic					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies		
	Each			8		None		
Comments						Estimated Construction Cost:		
Light to medium corrosion noted.						Priority		
Recommended Work						None		
						6-10 yrs		
						1-5 yrs		
						Within 1 yr		
						Urgent		

Element Group:	Piers				Length:	0.9	
Element Name:	Shafts/columns/Pile Bents				Width:	6.9	
Location:					Height:	3.4	
Material:	Cast-in-place concrete				Count:	1	
Element Type:	Concrete shafts, pier walls				Total Quantity:	53.04	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m		53.04				
Comments						Perform. Deficiencies	
						None	
Recommended Work						Estimated Construction Cost:	
						Priority	None
							6-10 yrs
							1-5 yrs
						Within 1 yr	
						Urgent	

Element Group:	Piers					Length:	
Element Name:	Bearings					Width:	
Location:						Height:	
Material:	Steel					Count:	8
Element Type:	Plate					Total Quantity:	8
Environment:	Benign					Limited Inspection	<input checked="" type="checkbox"/>
Protection System:	None					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m			8		None	
Comments	Light to medium corrosion noted.					Estimated Construction Cost:	
Recommended Work						Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Municipal Structure Inspection Form

Structure Number: 04

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Girders</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3"></td></tr> <tr><td>Material:</td><td colspan="3">Steel</td></tr> <tr><td>Element Type:</td><td colspan="3">I-type</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Beams/MLE's			Element Name:	Girders			Location:				Material:	Steel			Element Type:	I-type			Environment:	Benign			Protection System:	Epoxy zinc/acrylic/acrylic			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>27.7</td></tr> <tr><td>Width:</td><td>0.27</td></tr> <tr><td>Height:</td><td>0.76</td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>258.16</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	27.7	Width:	0.27	Height:	0.76	Count:	4	Total Quantity:	258.16	Limited Inspection	<input type="checkbox"/>
Element Group:	Beams/MLE's																																								
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Location:																																									
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Condition Data:	Units	Exc	Good	Fair	Poor																																				
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Priority	None																																								
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	1-5 yrs																																								
	Within 1 yr																																								
	Urgent																																								
<div>Comments</div> <div>Light isolated corrosion at bottom flanges. Corrosion at top flanges where in contact with wooden deck. Staining of webs due to runoff from girders.</div>																																									
<div>Recommended Work</div> <div></div>																																									

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Coatings</td></tr> <tr><td>Element Name:</td><td>Structural Steel</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3"></td></tr> <tr><td>Material:</td><td colspan="3">Other</td></tr> <tr><td>Element Type:</td><td colspan="3">Epoxy zinc/acrylic/acrylic</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">None</td></tr> </table>	Element Group:	Coatings			Element Name:	Structural Steel			Location:				Material:	Other			Element Type:	Epoxy zinc/acrylic/acrylic			Environment:	Benign			Protection System:	None			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>290</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:		Total Quantity:	290	Limited Inspection	<input type="checkbox"/>
Element Group:	Coatings																																								
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Location:																																									
Material:	Other																																								
Element Type:	Epoxy zinc/acrylic/acrylic																																								
Environment:	Benign																																								
Protection System:	None																																								
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<div>Comments</div> <div>Coating has failed in isolated areas causing deterioration of steel beneath.</div>																																									
<div>Recommended Work</div> <div>Recoat structural steel</div>																																									

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Diaphragms</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3"></td></tr> <tr><td>Material:</td><td colspan="3">Steel</td></tr> <tr><td>Element Type:</td><td colspan="3">Channel</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Beams/MLE's			Element Name:	Diaphragms			Location:				Material:	Steel			Element Type:	Channel			Environment:	Benign			Protection System:	Epoxy zinc/acrylic/acrylic			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>1.75</td></tr> <tr><td>Width:</td><td>0.085</td></tr> <tr><td>Height:</td><td>0.38</td></tr> <tr><td>Count:</td><td>18</td></tr> <tr><td>Total Quantity:</td><td>18</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	1.75	Width:	0.085	Height:	0.38	Count:	18	Total Quantity:	18	Limited Inspection	<input type="checkbox"/>
Element Group:	Beams/MLE's																																								
Element Name:	Diaphragms																																								
Location:																																									
Material:	Steel																																								
Element Type:	Channel																																								
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<div>Comments</div> <div>Light to medium corrosion.</div>																																									
<div>Recommended Work</div> <div></div>																																									

Municipal Structure Inspection Form

Structure Number: 04

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Exterior</p> <p>Location:</p> <p>Material: Wood</p> <p>Element Type: Laminated wood decking - transverse</p> <p>Environment: Benign</p> <p>Protection System: Penetrant applied</p>	<p>Length: 28.5</p> <p>Width: 0.6</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 34.2</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 34.2 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Interior</p> <p>Location:</p> <p>Material: Weathering steel</p> <p>Element Type: Laminated wood decking - transverse</p> <p>Environment: Benign</p> <p>Protection System: Penetrant applied</p>	<p>Length: 28.5</p> <p>Width: 3.82</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 108.86</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 108.86 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Decks</p> <p>Element Name: Deck top</p> <p>Location:</p> <p>Material: Wood</p> <p>Element Type: Laminated wood decking - transverse</p> <p>Environment: Benign</p> <p>Protection System: Penetrant applied</p>	<p>Length: 28.5</p> <p>Width: 6.1</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 173.84</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 173.84 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Transverse decking covered by longitudinal wood runners.</p> <p>Recommended Work</p>	

Structure Number: 04

Element Group:	Decks					Length:	28.5	
Element Name:	Wearing surface					Width:	6.1	
Location:						Height:	0.038	
Material:	Wood					Count:		
Element Type:	Wood Planks					Total Quantity:	173.84	
Environment:	Severe					Limited Inspection	<input type="checkbox"/>	
Protection System:	None					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies		
	Sq. m	173.84				None		
Comments	Wearing surface has been replace since last OSIM.					Estimated Construction Cost:		
Recommended Work						Priority	None	
							6-10 yrs	
							1-5 yrs	
							Within 1 yr	
							Urgent	

Element Group:	Sidewalks/curbs				Length:	28.5
Element Name:	Curbs				Width:	0.2
Location:	Each Side				Height:	0.3
Material:	Wood				Count:	2
Element Type:	Rectangular-solid				Total Quantity:	45.6
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	Penetrant applied					
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		43.6	2		
Comments						
Abrasion damage throughout inside face.						
Recommended Work						

Maint. Needs	
Perform. Deficiencies	
None	
Estimated Construction Cost:	
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Barriers				Length:	0.2	
Element Name:	Posts				Width:	0.2	
Location:	Each Side				Height:	1.1	
Material:	Wood				Count:	32	
Element Type:	Steel Flex Beam on wood post				Total Quantity:	32	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:	Penetrant applied				Maint. Needs	Bridge Handrail Maintenance	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Each			32		None	
Comments							
Extensive rotting at tops of posts. Liquid asphalt previously applied to tops to attempt to seal.							
Recommended Work							
Replace rotten posts as maintenance.							
						Estimated Construction Cost:	
						Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Municipal Structure Inspection Form

Structure Number: 04

Element Group:	Barriers				Length:	28.5	
Element Name:	Railing Systems				Width:		
Location:	Each Side				Height:		
Material:	Steel				Count:	2	
Element Type:	Steel Flex Beam on wood post				Total Quantity:	57	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:	Hot dip galvanizing				Maint. Needs	Bridge Handrail Maintenance	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	Pedestrian/vehicular hazard
	Sq. m			41.8	15.2	Estimated Construction Cost:	\$30,000.00
Comments					Priority	None	
Splices between rails only have 4 out of 8 bolts. Impact damage and improper lap direction along length of north barrier. No barrier at approaches.						6-10 yrs	
Recommended Work						1-5 yrs	
Repair damaged rails and correct lap direction. Install SBGR at approaches. Install missing bolts urgently as maintenance.						Within 1 yr	
						Urgent	

Element Group:	Approaches				Length:	6	
Element Name:	Wearing surface				Width:	6	
Location:	Each End				Height:		
Material:	Gravel				Count:	2	
Element Type:	Crushed stone				Total Quantity:	72	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	None
	Sq. m		72			Estimated Construction Cost:	
Comments					Priority	None	
						6-10 yrs	
Recommended Work						1-5 yrs	
						Within 1 yr	
						Urgent	

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Barriers	Railing Systems	Repair damaged rails and correct lap direction. Install SBGR at approaches. Install missing bolts urgently as maintenance.	1-5 yrs	\$30,000.00
Coatings	Structural Steel	Recoat structural steel	1-5 yrs	\$130,000.00
Total				\$160,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$20,000.00
Contingencies		\$20,000.00
Total Estimated Const. Cost		\$200,000.00

Justification

Structure Number: 04



Roadway looking west.



South elevation.

Structure Number: 04



New wearing surface boards.



Rotted guiderail post.

Structure Number: 04



East abutment wall, narrow vertical crack visible at south.



Medium corrosion of bearing.

Structure Number: 04



Medium corrosion of diaphragm.



West abutment, multiple vertical cracks.

Structure Number: 04



West span soffit, girders with wet stains and corrosion.



Pier looking east.

Inventory Data

Structure Name	Golf Course Road Bridge		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Navig water"/>
Road Name	Golf Course Road		
Structure Location	Concession 3 & 4, Lot 5 - Dymond		
Latitude	<input type="text"/>	Longitude	<input type="text"/>
Owner(s)	City of Temiskaming Shores		
Heritage Designation	<input type="text" value="Not Cons"/>		
Road Class:	<input type="text" value="Local"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>		
Old County	<input type="text" value="Temiskaming"/>		
Geographic Twp	<input type="text" value="Dymond"/>		
Structure Type	<input type="text" value="I-beam or Girders"/>		
Total Deck Length	<input type="text" value="47.7"/>	(m)	
Overall Str Width	<input type="text" value="9.3"/>	(m)	
Total Deck Area	<input type="text" value="443.61"/>	(sq. m)	
Roadway Width	<input type="text" value="8.5"/>	(m)	
Span Lengths	<input type="text" value="13.9, 19.8, 13.9"/>		
			(m)
Posted Speed	<input type="text" value="80"/>	No of Lanes	<input type="text" value="2"/>
AADT	<input type="text"/>	% Trucks	<input type="text"/>
Special Routes:	Transit <input type="checkbox"/>	Truck <input checked="" type="checkbox"/>	School <input checked="" type="checkbox"/> Bicycle <input type="checkbox"/>
Detour Length Around Bridge	<input type="text" value="10"/>	(km)	
Fill on Structure	<input type="text" value="0"/>	(m)	
Skew Angle	<input type="text" value="5"/>	(Degrees)	
Direction of Structure	<input type="text" value="East/West"/>		
No of Spans	<input type="text" value="3"/>		

Historical Data

Year Built:	<input type="text" value="1983"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/>	(tonnes)	Last BridgeMaster Inspection:
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/>	(m)	Last Condition Survey:
Rehab History: (Date/description)			
2019 - Superstructure rehabilitation			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 18° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Signs				Length:		
Element Name:	Signs				Width:		
Location:					Height:		
Material:	Steel				Count:	4	
Element Type:					Total Quantity:	4	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m	4				None	
Comments						Estimated Construction Cost:	\$0.00
Hazard markers installed at each quadrant.						Priority	None
Recommended Work						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Element Group:	Embankments & Streams				Length:		
Element Name:	Embankments				Width:		
Location:	Each Quadrant				Height:		
Material:					Count:	6	
Element Type:					Total Quantity:	6	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Erosion Control at Bridges	
	Each		4	2		Perform. Deficiencies	
Comments						None	
Some erosion of embankments under bridge.						Estimated Construction Cost:	
Recommended Work						Priority	None
Protect embankments under bridge with vegetation or rock fill.						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Element Group:	Embankments & Streams				Length:		
Element Name:	Streams and Waterways				Width:		
Location:	Under Bridge				Height:		
Material:					Count:	1	
Element Type:					Total Quantity:	1	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Each		1			None	
Comments						Estimated Construction Cost:	
						Priority	None
Recommended Work						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Municipal Structure Inspection Form

Structure Number: 05

<p>Element Group: Foundations</p> <p>Element Name: Foundation (below ground level)</p> <p>Location: Abutments and Piers</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Spread</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="2"/></p> <p>Total Quantity: <input type="text" value="2"/></p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="2"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p> <p>Perform. Deficiencies <input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments <input type="text"/></p> <p>Recommended Work <input type="text"/></p>	

<p>Element Group: Piers</p> <p>Element Name: Shafts/columns/Pile Bents</p> <p>Location: <input type="text"/></p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Conc circular columns with cap beam</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text" value="0.9"/></p> <p>Width: <input type="text" value="0.9"/></p> <p>Height: <input type="text" value="2.3"/></p> <p>Count: <input type="text" value="6"/></p> <p>Total Quantity: <input type="text" value="39"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="39"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p> <p>Perform. Deficiencies <input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments <input type="text" value="Extensive bugholes."/></p> <p>Recommended Work <input type="text"/></p>	

<p>Element Group: Piers</p> <p>Element Name: Caps</p> <p>Location: <input type="text"/></p> <p>Material: Cast-in-place concrete</p> <p>Element Type: <input type="text"/></p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text" value="1.1"/></p> <p>Width: <input type="text" value="9.3"/></p> <p>Height: <input type="text" value="1.2"/></p> <p>Count: <input type="text" value="2"/></p> <p>Total Quantity: <input type="text" value="90.84"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="90.84"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p> <p>Perform. Deficiencies <input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments <input type="text" value="Extensive bugholes"/></p> <p>Recommended Work <input type="text"/></p>	

Municipal Structure Inspection Form

Structure Number: 05

<p>Element Group: Piers</p> <p>Element Name: Bearings</p> <p>Location:</p> <p>Material: Hybrid</p> <p>Element Type: Elastomeric pad</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.2</p> <p>Width: 0.4</p> <p>Height: 0.02</p> <p>Count: 16</p> <p>Total Quantity: 16</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each 16 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Abutments</p> <p>Element Name: Abutment walls</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length:</p> <p>Width: 9.3</p> <p>Height: 1.2</p> <p>Count: 2</p> <p>Total Quantity: 22.32</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 22.22 0.1</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Extensive bugholes. Narrow vertical cracks under bearing seats at east wall. Small spall at northeast. A few cracks with efflorescence at west wall. Map cracking with rust staining at southwest.</p> <p>Recommended Work</p>	

<p>Element Group: Abutments</p> <p>Element Name: Wingwalls</p> <p>Location: Each Quadrant</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Reinforced concrete</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 7.6</p> <p>Width:</p> <p>Height: 1.2</p> <p>Count: 4</p> <p>Total Quantity: 36.47</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 7.3 29.17 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Extensive bugholes. Extensive light scaling and map pattern cracking. Top 20% of wingwalls are new concrete.</p> <p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 05

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Abutments</td></tr> <tr><td>Element Name:</td><td>Ballast walls</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3">Each End</td></tr> <tr><td>Material:</td><td colspan="3">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="3"></td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td>6.3</td> <td>9.51</td> <td></td> <td></td> </tr> </table> <p>Comments</p> <p>Pattern cracking at south end of east ballast wall. Hairline cracking and light scaling at a few locations. Top 40% of ballast wall is new concrete.</p> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Abutments			Element Name:	Ballast walls			Location:	Each End			Material:	Cast-in-place concrete			Element Type:				Environment:	Benign			Protection System:	None			Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m	6.3	9.51			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td>9.3</td></tr> <tr><td>Height:</td><td>0.85</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>15.81</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <p>Priority</p> <div style="border: 1px solid black; padding: 2px;"> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p> </div>	Length:		Width:	9.3	Height:	0.85	Count:	2	Total Quantity:	15.81
Element Group:	Abutments																																																		
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Element Group:	Beams/ML's																																																		
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Total Quantity:	564.77																																																		

Municipal Structure Inspection Form

Structure Number: 05

<p>Element Group: Beams/MLE's</p> <p>Element Name: Diaphragms</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Rectangular-solid</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.35</p> <p>Width: 1.75</p> <p>Height: 1</p> <p>Count: 12</p> <p>Total Quantity: 49.35</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 49.35 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Reinforcing bars from pier cap portrude into diaphragms over piers.</p> <p>Recommended Work</p>	

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Exterior</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 50.3</p> <p>Width: 1.45</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 72.93</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 21.9 51.03 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>New curb. Some hairline cracks with efflorescence.</p> <p>Recommended Work</p>	

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Interior</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 50.3</p> <p>Width: 5.26</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 264.57</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 264.57 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Concrete deck composite with metal decking - soffit not visible.</p> <p>Recommended Work</p>	

Structure Number: 05

Element Group:	Sidewalks/curbs					Length:	56.9
Element Name:	Curbs					Width:	0.2
Location:	On Bridge					Height:	0.43
Material:	Cast-in-place concrete					Count:	2
Element Type:						Total Quantity:	71.69
Environment:	Severe					Limited Inspection	<input checked="" type="checkbox"/>
Protection System:						Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m	69.69	2			None	
Comments	Narrow cracks at some deck drain locations.					Estimated Construction Cost:	
Recommended Work						Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Structure Number: 05

Element Group:	Decks				Length:	50.3	
Element Name:	Deck top				Width:	8.5	
Location:					Height:		
Material:	Cast-in-place concrete				Count:		
Element Type:	Cast-in-place concrete on supports				Total Quantity:	427.54	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m	427.54					
Comments							
Condition judged from wearing surface							
Recommended Work							
						Estimated Construction Cost:	
						Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Municipal Structure Inspection Form

Structure Number: 05

Element Group:	Barriers				Length:	
Element Name:	Posts				Width:	
Location:	Each Side				Height:	
Material:	Steel				Count:	64
Element Type:					Total Quantity:	64
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m	64				
Comments						
Recommended Work						

Element Group:	Barriers				Length:	56.9
Element Name:	Railing Systems				Width:	
Location:	Each Side				Height:	0.85
Material:	Steel				Count:	2
Element Type:	4 Rail Metal Railing - Aluminum				Total Quantity:	113.8
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m	113.8				
Comments						
Recommended Work						

Element Group:	Decks				Length:	
Element Name:	Drainage				Width:	
Location:	Each Side				Height:	
Material:	Steel				Count:	10
Element Type:	Drain pipe with basins				Total Quantity:	10
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each	10				
Comments						
Recommended Work						

Structure Number: 05

Associated Work		
	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$0.00
Contingencies	(15%)	\$0.00
Total Estimated Const. Cost		\$0.00

--	--

Structure Number: 05



Roadway looking east.



North elevation.

Structure Number: 05



Deck drain, narrow cracks in curb.



Northwest wingwall with narrow pattern cracking, bugholes.

Structure Number: 05



Exterior soffit and deck drains, hairline crack visible.



West abutment, pattern cracking with rust staining shown.

Structure Number: 05



West pier and caps showing projected rebar.



Steel decking at soffit and girders.

Structure Number: 05



East abutment wall showing cracks.

Inventory Data

Structure Name	Golf Course Road Bridge (East)		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Navig water"/>
Road Name	Golf Course Road		
Structure Location	Conc. 3 & 4, Lot 6 (Dymond)		
Latitude	<input n"="" type="text" value="47d32'15.7"/>	Longitude	<input type="text" value="79d41'45.3" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input type="text" value="Not 'Cons'"/>		
Road Class:	<input type="text" value="Local"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>		
Old County	<input type="text" value="Temiskaming"/>		
Geographic Twp	<input type="text" value="Dymond"/>		
Structure Type	<input type="text" value="Concrete slab and girders"/>		
Total Deck Length	<input type="text" value="75"/> (m)	Posted Speed	<input type="text"/>
Overall Str Width	<input type="text" value="10"/> (m)	AADT	<input type="text"/>
Total Deck Area	<input type="text" value="750"/> (sq. m)	No of Lanes	<input type="text" value="2"/>
Roadway Width	<input type="text" value="9.1"/> (m)	% Trucks	<input type="text"/>
Span Lengths	<input type="text" value="23.8, 27.4, 23.8"/> (m)		
	Special Routes:	Transit <input type="checkbox"/> Truck <input checked="" type="checkbox"/> School <input checked="" type="checkbox"/> Bicycle <input type="checkbox"/>	
	Detour Length Around Bridge	<input type="text" value="10"/> (km)	
	Fill on Structure	<input type="text" value="0"/> (m)	
	Skew Angle	<input type="text" value="0"/> (Degrees)	
	Direction of Structure	<input type="text" value="East/West"/>	
	No of Spans	<input type="text" value="3"/>	

Historical Data

Year Built:	<input type="text" value="1977"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			
1999 - Deck Rehabilitation			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 18° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	Normal	15000
DART Survey	None	0
Detailed Coating Condition Survey:	None	0
Underwater Investigation:	None	0
Fatigue Investigation:	None	0
Seismic Investigation:	None	0
Structure Evaluation:	None	0
Load Posting: Estimated Load		Total Cost 15000
Next Date Inspection:	2022-09-03	

Special Notes:

Detailed deck condition survey recommended to be completed in prior to rehabilitation

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Decks				Length:	2	
Element Name:	Soffit - Thin Slab		End		Width:	6.3	
Location:					Height:		
Material:	Cast-in-place concrete				Count:	2	
Element Type:					Total Quantity:	25.2	
Environment:	Benign				Limited Inspection	<input checked="" type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m		18.2	5	2		
Comments	Extensive wet stains noted due to joint leakage.						
Recommended Work	Repair concrete with joint replacement, costed under joints.						

Element Group:	Barriers				Length:	95.6	
Element Name:	Barrier/Parapet Walls		Exterior		Width:	0.45	
Location:					Height:	0.92	
Material:	Cast-in-place concrete				Count:	2	
Element Type:	Safety Shape with single railing				Total Quantity:	175.9	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m		153.9	20	2		
Comments	Light map pattern cracking and narrow vertical cracks throughout.						
Recommended Work							

Element Group:	Signs				Length:		
Element Name:	Signs				Width:		
Location:					Height:		
Material:	Steel				Count:	4	
Element Type:					Total Quantity:	4	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m				4		
Comments	No hazard markers present.						
Recommended Work	Install hazard markers.						

Municipal Structure Inspection Form

Structure Number: 06

<p>Element Group: Foundations</p> <p>Element Name: Foundation (below ground level)</p> <p>Location: Abutments and Piers</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Spread</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="2"/></p> <p>Total Quantity: <input type="text" value="2"/></p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text" value="2"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p>
<p>Comments <input type="text"/></p>	<p>Perform. Deficiencies <input type="text" value="None"/></p>
<p>Recommended Work <input type="text"/></p>	<p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>

<p>Element Group: Embankments & Streams</p> <p>Element Name: Streams and Waterways</p> <p>Location: Under Bridge</p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="1"/></p> <p>Total Quantity: <input type="text" value="1"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p>
<p>Comments <input type="text"/></p>	<p>Perform. Deficiencies <input type="text" value="None"/></p>
<p>Recommended Work <input type="text"/></p>	<p>Estimated Construction Cost: <input type="text"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>

<p>Element Group: Embankments & Streams</p> <p>Element Name: Embankments</p> <p>Location: Each Quadrant</p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="6"/></p> <p>Total Quantity: <input type="text" value="6"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text" value="4"/> <input type="text" value="2"/> <input type="text"/></p>	<p>Maint. Needs <input type="text"/></p>
<p>Comments <input type="text" value="Erosion noted at both abutments due to deck drains"/></p>	<p>Perform. Deficiencies <input type="text" value="None"/></p>
<p>Recommended Work <input type="text" value="Place rock/vegetation at deck drain locations."/></p>	<p>Estimated Construction Cost: <input type="text" value="\$1,000.00"/></p> <p>Priority <input type="text" value="None"/></p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>

Municipal Structure Inspection Form

Structure Number: 06

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Abutments</td></tr> <tr><td>Element Name:</td><td>Abutment walls</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each End</td></tr> <tr><td>Material:</td><td colspan="2">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="2">Conventional closed</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Sq. m</td> <td style="width: 15%;"></td> <td style="width: 15%;">40.55</td> <td style="width: 15%;">3</td> <td style="width: 15%;"></td> </tr> </table> <p>Comments</p> <p>4 narrow full height vertical crack with efflorescence, light scaling, multiple wide cracks with moisture staining at base in east abutment. Two full height narrow cracks with efflorescence in west abutment. Delamination at southwest bearing seat.</p> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	Element Group:	Abutments		Element Name:	Abutment walls		Location:	Each End		Material:	Cast-in-place concrete		Element Type:	Conventional closed		Environment:	Benign		Protection System:	None		Sq. m		40.55	3		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td>9.9</td></tr> <tr><td>Height:</td><td>2.2</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>43.55</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; height: 20px;"></div> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <div style="border: 1px solid black; height: 20px;"></div> <p>Priority</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>None</td></tr> <tr><td>6-10 yrs</td></tr> <tr><td>1-5 yrs</td></tr> <tr><td>Within 1 yr</td></tr> <tr><td>Urgent</td></tr> </table>	Length:		Width:	9.9	Height:	2.2	Count:	2	Total Quantity:	43.55	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
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Element Group:	Abutments																																									
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Element Group:	Abutments																																									
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6-10 yrs																																										
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Within 1 yr																																										
Urgent																																										

Municipal Structure Inspection Form

Structure Number: 06

<p>Element Group: <u>Abutments</u></p> <p>Element Name: <u>Ballast walls</u></p> <p>Location: <u>Each End</u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p>	<p>Length: <u></u></p> <p>Width: <u>9.9</u></p> <p>Height: <u>1.4</u></p> <p>Count: <u>2</u></p> <p>Total Quantity: <u>27.71</u></p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p><u>Sq. m</u> <u></u> <u>26.71</u> <u></u> <u>1</u></p>	<p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p>Priority <u>None</u> <u>6-10 yrs</u> <u>1-5 yrs</u> <u>Within 1 yr</u> <u>Urgent</u></p>
<p>Comments</p> <p>Styrofoam noted between girders and ballast wall. We staining and light scaling throughout. Some evidence of leaking expansion joints. Crack at northwest with moisture staining and spall. Honeycombing at southwest.</p> <p>Recommended Work</p> <p>Remove styrofoam. Repair concrete as part of joint replacement, costed under joints.</p>	

<p>Element Group: <u>Piers</u></p> <p>Element Name: <u>Shafts/columns/Pile Bents</u></p> <p>Location: <u></u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u>Concrete hammer head</u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p>	<p>Length: <u>1.2</u></p> <p>Width: <u>6.5</u></p> <p>Height: <u>2</u></p> <p>Count: <u>2</u></p> <p>Total Quantity: <u>61.6</u></p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p><u>Sq. m</u> <u></u> <u>61.6</u> <u></u> <u></u></p>	<p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p>Priority <u>None</u> <u>6-10 yrs</u> <u>1-5 yrs</u> <u>Within 1 yr</u> <u>Urgent</u></p>
<p>Comments</p> <p></p> <p>Recommended Work</p> <p></p>	

<p>Element Group: <u>Piers</u></p> <p>Element Name: <u>Caps</u></p> <p>Location: <u></u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p>	<p>Length: <u>1.2</u></p> <p>Width: <u>10</u></p> <p>Height: <u>1.6</u></p> <p>Count: <u>2</u></p> <p>Total Quantity: <u>119.68</u></p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p><u>Sq. m</u> <u></u> <u>119.68</u> <u></u> <u></u></p>	<p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p>Priority <u>None</u> <u>6-10 yrs</u> <u>1-5 yrs</u> <u>Within 1 yr</u> <u>Urgent</u></p>
<p>Comments</p> <p>Bugholes noted.</p> <p>Recommended Work</p> <p></p>	

Municipal Structure Inspection Form

Structure Number: 06

<p>Element Group: Piers</p> <p>Element Name: Bearings</p> <p>Location:</p> <p>Material: Hybrid</p> <p>Element Type: Elastomeric pad</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.25</p> <p>Width: 0.4</p> <p>Height: 0.06</p> <p>Count: 8</p> <p>Total Quantity: 8</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each 8 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Beams/ML'E's</p> <p>Element Name: Girders</p> <p>Location:</p> <p>Material: Precast concrete</p> <p>Element Type: I-type</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 75</p> <p>Width: 0.66</p> <p>Height: 1.4</p> <p>Count: 4</p> <p>Total Quantity: 1038</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 1038 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Beams/ML'E's</p> <p>Element Name: Diaphragms</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Rectangular-solid</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.3</p> <p>Width: 2.1</p> <p>Height: 1.07</p> <p>Count: 21</p> <p>Total Quantity: 107.6</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 107 0.6</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: 1-5 yrs</p> <p>None</p> <p>6-10 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Small spall noted on one diaphragm on east span.</p> <p>Recommended Work</p> <p>Repair concrete as part of joint replacement, costed under joints.</p>	

Municipal Structure Inspection Form

Structure Number: 06

<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Interior</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 447.3 </p> <p>Comments</p> <p>Few areas where delamination may be occurring.</p> <p>Recommended Work</p>	<p>Length: 71</p> <p>Width: 6.3</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 447.3</p> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Decks</p> <p>Element Name: Soffit - Thin Slab Exterior</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Sq. m 93.4 5 1</p> <p>Comments</p> <p>Narrow cracking throughout. Active leakage and delamination at southeast.</p> <p>Recommended Work</p> <p>Repair concrete.</p>	<p>Length: 71</p> <p>Width: 0.7</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 99.4</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$10,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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<p>Element Group: Decks</p> <p>Element Name: Drainage</p> <p>Location: Each Side</p> <p>Material: Steel</p> <p>Element Type: Metal drain pipes</p> <p>Environment: Benign</p> <p>Protection System: Hot dip galvanizing</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: center;">Each 14 </p> <p>Comments</p> <p>Recommended Work</p>	<p>Length:</p> <p>Width: 0.15</p> <p>Height: 1.7</p> <p>Count: 14</p> <p>Total Quantity: 14</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
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Structure Number: 06

Element Group:	Joints					Length:	
Element Name:	Seals/sealants					Width:	9.1
Location:	Each End					Height:	
Material:	Other					Count:	2
Element Type:	Strip seal					Total Quantity:	18.2
Environment:	Benign					Limited Inspection	<input checked="" type="checkbox"/>
Protection System:	None					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor		
	m				18.2		
Comments							
Joint Seals covered with waterproofing. Joint is jammed and there is evidence of leakage.							
Recommended Work							
Replace expansion joints.							
Estimated Construction Cost:						\$120,000.00	
Priority						None	
						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Municipal Structure Inspection Form

Structure Number: 06

<p>Element Group: Approaches</p> <p>Element Name: Approach slabs</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 6</p> <p>Width: 9.1</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 109.2</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 109.2 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Judged from condition of wearing surface.</p> <p>Recommended Work</p>	

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location: Each End</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 6</p> <p>Width: 9.1</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 109.2</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 85.2 18 6</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$20,000.00</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Previous patching present. Medium to wide longitudinal and transverse cracking at west. Deterioration of edges of asphalt and potholes at east.</p> <p>Recommended Work</p> <p>Repave with deck patching, waterproofing, and paving.</p>	

<p>Element Group: Decks</p> <p>Element Name: Deck top</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Cast-in-place conc on supports, composite</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 75</p> <p>Width: 9.1</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 682.5</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 672.5 5 5</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Condition judged from wearing surface</p> <p>Recommended Work</p> <p>Conduct detailed deck condition survey. Repair concrete as part of wearing surface patching, waterproofing, and paving, costed under wearing surface.</p>	

Municipal Structure Inspection Form

Structure Number: 06

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Decks</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td><td></td></tr> <tr><td>Location:</td><td colspan="2"></td></tr> <tr><td>Material:</td><td colspan="2">Asphalt</td></tr> <tr><td>Element Type:</td><td colspan="2">Bituminous</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table>	Element Group:	Decks		Element Name:	Wearing surface		Location:			Material:	Asphalt		Element Type:	Bituminous		Environment:	Benign		Protection System:	None		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>75</td></tr> <tr><td>Width:</td><td>9.1</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>682.5</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	75	Width:	9.1	Height:		Count:		Total Quantity:	682.5	Limited Inspection	<input type="checkbox"/>
Element Group:	Decks																																	
Element Name:	Wearing surface																																	
Location:																																		
Material:	Asphalt																																	
Element Type:	Bituminous																																	
Environment:	Benign																																	
Protection System:	None																																	
Length:	75																																	
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Limited Inspection	<input type="checkbox"/>																																	
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Priority	<div style="border: 1px solid black; padding: 2px;"> None 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>																																	
<div style="border: 1px solid black; padding: 5px;"> Comments Patched and existing potholes in south lane. Medium ravelling throughout. Wide crack at southwest. Some bottom up defects noted. </div>																																		
<div style="border: 1px solid black; padding: 5px;"> Recommended Work Patch, waterproof, and pave. </div>																																		

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Barriers</td></tr> <tr><td>Element Name:</td><td>Barrier/Parapet Walls</td><td>Interior</td></tr> <tr><td>Location:</td><td colspan="2">Each Side</td></tr> <tr><td>Material:</td><td colspan="2">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="2">Safety Shape with single railing</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table>	Element Group:	Barriers		Element Name:	Barrier/Parapet Walls	Interior	Location:	Each Side		Material:	Cast-in-place concrete		Element Type:	Safety Shape with single railing		Environment:	Benign		Protection System:	None		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>95.6</td></tr> <tr><td>Width:</td><td>0.45</td></tr> <tr><td>Height:</td><td>0.92</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>175.9</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	95.6	Width:	0.45	Height:	0.92	Count:	2	Total Quantity:	175.9	Limited Inspection	<input type="checkbox"/>
Element Group:	Barriers																																	
Element Name:	Barrier/Parapet Walls	Interior																																
Location:	Each Side																																	
Material:	Cast-in-place concrete																																	
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Priority	<div style="border: 1px solid black; padding: 2px;"> None 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>																																	
<div style="border: 1px solid black; padding: 5px;"> Comments Extensive medium to severe scaling. Delaminations with exposed corroded rebar and full height narrow to medium vertical cracking throughout. </div>																																		
<div style="border: 1px solid black; padding: 5px;"> Recommended Work Repair concrete. </div>																																		

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each Side</td></tr> <tr><td>Material:</td><td colspan="2">Steel</td></tr> <tr><td>Element Type:</td><td colspan="2">Single Railing</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">Hot dip galvanizing</td></tr> </table>	Element Group:	Barriers		Element Name:	Railing Systems		Location:	Each Side		Material:	Steel		Element Type:	Single Railing		Environment:	Benign		Protection System:	Hot dip galvanizing		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>94.4</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>188.8</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	94.4	Width:		Height:		Count:	2	Total Quantity:	188.8	Limited Inspection	<input type="checkbox"/>
Element Group:	Barriers																																	
Element Name:	Railing Systems																																	
Location:	Each Side																																	
Material:	Steel																																	
Element Type:	Single Railing																																	
Environment:	Benign																																	
Protection System:	Hot dip galvanizing																																	
Length:	94.4																																	
Width:																																		
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Count:	2																																	
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Priority	<div style="border: 1px solid black; padding: 2px;"> None 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>																																	
<div style="border: 1px solid black; padding: 5px;"> Comments End cap missing at northwest. </div>																																		
<div style="border: 1px solid black; padding: 5px;"> Recommended Work Replace end cap as maintenance. </div>																																		

Municipal Structure Inspection Form

Structure Number: 06

Element Group:	Approaches				Length:	37
Element Name:	Barriers				Width:	
Location:	Each Quadrant				Height:	
Material:	Steel				Count:	4
Element Type:	Steel Flex Beam on wood post				Total Quantity:	148
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Bridge Handrail Maintenance
	Sq. m			138	10	Perform. Deficiencies
Comments						None
Minor impact damage at multiple locations. Some rotted posts. No end treatments.						Estimated Construction Cost:
Recommended Work						Priority
Replace rotted posts and damaged rail sections as maintenance. Install proper end treatments.						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Approaches	Barriers	Replace rotted posts and damaged rail sections as maintenance. Install proper end treatments.	1-5 yrs	\$20,000.00
Barriers	Barrier/Parapet Walls	Repair concrete.	1-5 yrs	\$20,000.00
Decks	Wearing surface	Patch, waterproof, and pave.	1-5 yrs	\$140,000.00
Approaches	Wearing surface	Repave with deck patching, waterproofing, and paving.	1-5 yrs	\$20,000.00
Joints	Seals/sealants	Replace expansion joints.	1-5 yrs	\$120,000.00
Decks	Soffit - Thin Slab	Repair concrete.	1-5 yrs	\$10,000.00
Abutments	Bearings	Replace bearings (cost includes bridge jacking)	1-5 yrs	\$83,000.00
Embankments & Streams	Embankments	Place rock/vegetation at deck drain locations.	1-5 yrs	\$1,000.00
Total				\$414,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$40,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$60,000.00
Contingencies	(15%)	\$60,000.00
Total Estimated Const. Cost		\$574,000.00

Justification

Structure Number: 06



Roadway looking west.



North elevation.

Structure Number: 06



Potholes on east approach.



Failed, paved over joint at east.

Structure Number: 06



Delamination, cracking through previous patch at barrier wall



Very severe scaling along north barrier wall.

Structure Number: 06



Map cracking on deck wearing surface.



Patched potholes on wearing surface.

Structure Number: 06



Bottom up defect.



Map cracking on exterior of barrier wall.

Structure Number: 06



Crack, delamination at bearing seat and honeycombing of ballast wall.



Full height crack on west abutment wall.

Structure Number: 06



Wet stains on ballast wall due to joint leakage, spall and cracking in ballast wall.



Wide crack in northwest bearing.

Structure Number: 06



Wet stains and efflorescence on external soffit due to active leakage.



Rotted post of approach guiderail.

Structure Number: 06



Map cracking, bugholes in southeast wingwall.



Crack in southeast wingwall, evidence of joint leakage at east abutment.

Structure Number: 06



Cracks with efflorescence in east abutment wall.



Soffit, girders, and east pier.

Inventory Data

Structure Name	Armstrong Street North Bridge		
Main Hwy/Road #	65	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type Navig water
Road Name	Armstrong Street North		
Structure Location	Downtown New Liskeard between Sharp St. And Elm Ave.		
Latitude	47d30'32.9" N	Longitude	79d40'19.2" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not Cons		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Concrete slab on steel girders		
Total Deck Length	81.5	(m)	Posted Speed 50
Overall Str Width	18.7	(m)	No of Lanes 4
Total Deck Area	1524.05	(sq. m)	AADT
Roadway Width	14.4	(m)	% Trucks
Span Lengths	20.7, 36.7, 24.1 (m)		
	Special Routes: Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>		
	Detour Length Around Bridge 5 (km)		
	Fill on Structure 0 (m)		
	Skew Angle 38 (Degrees)		
	Direction of Structure North/South		
	No of Spans 3		

Historical Data

Year Built:	1969	Last Biennial Inspection:	2018-09-19
Current Load Limit:	(tonnes)	Last BridgeMaster Inspection:	1990-01-01
Load Limit By-Law #:		Last Evaluation:	1980-01-01
By-Law Expiry Date:		Last Underwater Inspection:	
Min Vertical Clearance:	(m)	Last Condition Survey:	
Rehab History: (Date/description)			
1982 - Concrete deck patching			
1990 - Expansion joint replacement and coating of steel girder ends			
2009 - Patch, waterproof and pave bridge deck, sidewalk overlay, expansion joint replacement and coating of girder ends			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Barriers				Length:	92.5
Element Name:	Barrier/Parapet Walls		Exterior		Width:	0.25
Location:	Each Side				Height:	0.6
Material:	Cast-in-place concrete				Count:	2
Element Type:	Parapet Wall with two rails				Total Quantity:	111
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		108	3		
Comments						
Narrow to medium map cracking with wet staining throughout, some medium to wide cracks.						
Recommended Work						
Replace barrier wall (costed on interior barrier wall).						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Element Group:	Beams/MLE's				Length:	
Element Name:	Diaphragms				Width:	
Location:					Height:	
Material:	Steel				Count:	24
Element Type:					Total Quantity:	24
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		24			
Comments						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
\$0.00						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Element Group:	Foundations				Length:	
Element Name:	Foundation (below ground level)				Width:	
Location:	Abutments and Piers				Height:	
Material:	Cast-in-place concrete				Count:	2
Element Type:	Spread				Total Quantity:	2
Environment:	Benign				Limited Inspection	<input checked="" type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		2			
Comments						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Municipal Structure Inspection Form

Structure Number: 07

<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Streams and Waterways</u></p> <p>Location: <u>Under Bridge</u></p> <p>Material: <u></u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Each</u> <u></u> <u>1</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u>1</u></p> <p>Total Quantity: <u>1</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div> <p>Perform. Deficiencies</p> <p><u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <u>None</u> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Embankments</u></p> <p>Location: <u>Each Quadrant</u></p> <p>Material: <u></u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Each</u> <u></u> <u>6</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u>6</u></p> <p>Total Quantity: <u>6</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div> <p>Perform. Deficiencies</p> <p><u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <u>None</u> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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<p>Element Group: <u>Piers</u></p> <p>Element Name: <u>Shafts/columns/Pile Bents</u></p> <p>Location: <u></u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u>Concrete hammer head</u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Sq. m</u> <u></u> <u>76.16</u> <u></u> <u></u></p> <p>Comments</p> <p><u>Light to medium scaling at waterline. Some narrow to vertical cracks throughout both piers.</u></p> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u>0.6</u></p> <p>Width: <u>13</u></p> <p>Height: <u>1.4</u></p> <p>Count: <u>2</u></p> <p>Total Quantity: <u>76.16</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; height: 20px; margin-top: 5px;"></div> <p>Perform. Deficiencies</p> <p><u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <u>None</u> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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Municipal Structure Inspection Form

Structure Number: 07

<p>Element Group: Piers</p> <p>Element Name: Caps</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.6</p> <p>Width: 19.1</p> <p>Height: 1.75</p> <p>Count: 2</p> <p>Total Quantity: 183.74</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 182.74 1 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Wide cracking and some areas of honeycombing at south. Rust staining at bearings.</p> <p>Recommended Work</p>	

<p>Element Group: Piers</p> <p>Element Name: Bearings</p> <p>Location:</p> <p>Material: Hybrid</p> <p>Element Type: Elastomeric pad</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 14</p> <p>Total Quantity: 14</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each 14 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Abutments</p> <p>Element Name: Abutment walls</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Conventional closed</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length:</p> <p>Width: 23.1</p> <p>Height: 1.95</p> <p>Count: 2</p> <p>Total Quantity: 90.09</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 84.89 5 0.2</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Wide crack at middle bearing of south abutment. Medium to wide cracks at multiple location on north abutment. Few locations of cracks with spalling at northwest.</p> <p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 07

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Abutments</td></tr> <tr><td>Element Name:</td><td>Wingwalls</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each Quadrant</td></tr> <tr><td>Material:</td><td colspan="2">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="2">Reinforced concrete</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>23.8</td> <td>0.2</td> <td>0.2</td> </tr> </table> <p>Comments Pattern cracking with moisture staining on all wingwalls. Honeycombing at southwest.</p> <p>Recommended Work</p>	Element Group:	Abutments		Element Name:	Wingwalls		Location:	Each Quadrant		Material:	Cast-in-place concrete		Element Type:	Reinforced concrete		Environment:	Benign		Protection System:	None		Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		23.8	0.2	0.2	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>5.5</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td>1.1</td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>24.2</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>None</td></tr> <tr><td>6-10 yrs</td></tr> <tr><td>1-5 yrs</td></tr> <tr><td>Within 1 yr</td></tr> <tr><td>Urgent</td></tr> </table>	Length:	5.5	Width:		Height:	1.1	Count:	4	Total Quantity:	24.2	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Abutments																																																
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Location:	Each Quadrant																																																
Material:	Cast-in-place concrete																																																
Element Type:	Reinforced concrete																																																
Environment:	Benign																																																
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Length:	5.5																																																
Width:																																																	
Height:	1.1																																																
Count:	4																																																
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Within 1 yr																																																	
Urgent																																																	

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Abutments</td></tr> <tr><td>Element Name:</td><td>Ballast walls</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each End</td></tr> <tr><td>Material:</td><td colspan="2">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="2"></td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>79.84</td> <td>0.5</td> <td>0.5</td> </tr> </table> <p>Comments Areas of spalling at northwest. Honeycombing and cracking at southwest and northeast.</p> <p>Recommended Work</p>	Element Group:	Abutments		Element Name:	Ballast walls		Location:	Each End		Material:	Cast-in-place concrete		Element Type:			Environment:	Benign		Protection System:	None		Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		79.84	0.5	0.5	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td>23.1</td></tr> <tr><td>Height:</td><td>1.75</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>80.84</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>None</td></tr> <tr><td>6-10 yrs</td></tr> <tr><td>1-5 yrs</td></tr> <tr><td>Within 1 yr</td></tr> <tr><td>Urgent</td></tr> </table>	Length:		Width:	23.1	Height:	1.75	Count:	2	Total Quantity:	80.84	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Abutments																																																
Element Name:	Ballast walls																																																
Location:	Each End																																																
Material:	Cast-in-place concrete																																																
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Within 1 yr																																																	
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="2">Abutments</td></tr> <tr><td>Element Name:</td><td>Bearings</td><td></td></tr> <tr><td>Location:</td><td colspan="2">Each End</td></tr> <tr><td>Material:</td><td colspan="2">Other</td></tr> <tr><td>Element Type:</td><td colspan="2">Elastomeric pad</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Each</td> <td></td> <td>7</td> <td>7</td> <td></td> </tr> </table> <p>Comments Excessive deformation of the bearing: north abutment bearings leaning towards abutment. Corrosion noted at bearing locations.</p> <p>Recommended Work Replace bearings at north.</p>	Element Group:	Abutments		Element Name:	Bearings		Location:	Each End		Material:	Other		Element Type:	Elastomeric pad		Environment:	Benign		Protection System:	None		Condition Data:	Units	Exc	Good	Fair	Poor		Each		7	7		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.225</td></tr> <tr><td>Width:</td><td>0.375</td></tr> <tr><td>Height:</td><td>0.08</td></tr> <tr><td>Count:</td><td>14</td></tr> <tr><td>Total Quantity:</td><td>14</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies Excessive deformations (deflections & rotations)</p> <p>Estimated Construction Cost: \$42,000.00</p> <p>Priority</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>None</td></tr> <tr><td>6-10 yrs</td></tr> <tr><td>1-5 yrs</td></tr> <tr><td>Within 1 yr</td></tr> <tr><td>Urgent</td></tr> </table>	Length:	0.225	Width:	0.375	Height:	0.08	Count:	14	Total Quantity:	14	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Abutments																																																
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Protection System:	None																																																
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Municipal Structure Inspection Form

Structure Number: 07

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Girders</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3"></td></tr> <tr><td>Material:</td><td colspan="3">Weathering steel</td></tr> <tr><td>Element Type:</td><td colspan="3">I-type</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>2165.04</td> <td></td> <td></td> </tr> </table> <p>Comments</p> <p>Light rusting throughout. Girders have been repainted at ends.</p> <p>Recommended Work</p>	Element Group:	Beams/MLE's			Element Name:	Girders			Location:				Material:	Weathering steel			Element Type:	I-type			Environment:	Benign			Protection System:	None			Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		2165.04			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>81.5</td></tr> <tr><td>Width:</td><td>0.385</td></tr> <tr><td>Height:</td><td>1.32</td></tr> <tr><td>Count:</td><td>7</td></tr> <tr><td>Total Quantity:</td><td>2165.04</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>	Length:	81.5	Width:	0.385	Height:	1.32	Count:	7	Total Quantity:	2165.04
Element Group:	Beams/MLE's																																																		
Element Name:	Girders																																																		
Location:																																																			
Material:	Weathering steel																																																		
Element Type:	I-type																																																		
Environment:	Benign																																																		
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Count:	7																																																		
Total Quantity:	2165.04																																																		

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab</td><td colspan="2">Exterior</td></tr> <tr><td>Location:</td><td colspan="3">Each Side</td></tr> <tr><td>Material:</td><td colspan="3">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="3"></td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">None</td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td>Condition Data:</td> <td>Units</td> <td>Exc</td> <td>Good</td> <td>Fair</td> <td>Poor</td> </tr> <tr> <td></td> <td>Sq. m</td> <td></td> <td>97.3</td> <td>97.8</td> <td>0.5</td> </tr> </table> <p>Comments</p> <p>Narrow cracks with efflorescence, minor scaling. Minor delaminations and spall near girders. Honeycombing at southwest. Hairline to narrow transverse cracking throughout.</p> <p>Recommended Work</p> <p>Repair concrete.</p>	Element Group:	Decks			Element Name:	Soffit - Thin Slab	Exterior		Location:	Each Side			Material:	Cast-in-place concrete			Element Type:				Environment:	Benign			Protection System:	None			Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		97.3	97.8	0.5	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Length:</td><td>81.5</td></tr> <tr><td>Width:</td><td>1.2</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>195.6</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>\$10,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>	Length:	81.5	Width:	1.2	Height:		Count:	2	Total Quantity:	195.6
Element Group:	Decks																																																		
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Protection System:	None																																																		
Condition Data:	Units	Exc	Good	Fair	Poor																																														
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Element Group:	Decks																																																		
Element Name:	Soffit - Thin Slab	Interior																																																	
Location:																																																			
Material:	Cast-in-place concrete																																																		
Element Type:																																																			
Environment:	Benign																																																		
Protection System:	None																																																		
Condition Data:	Units	Exc	Good	Fair	Poor																																														
	Sq. m		1140.63	1	1																																														
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Width:	14.02																																																		
Height:																																																			
Count:																																																			
Total Quantity:	1142.63																																																		

Municipal Structure Inspection Form

Structure Number: 07

<p>Element Group: Approaches</p> <p>Element Name: Approach slabs</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 6</p> <p>Width: 14.4</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 172.79</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 172.79 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location: Each End</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 6</p> <p>Width: 14.4</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 172.79</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 172.79 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments: Light rutting observed along wheel tracks</p> <p>Recommended Work</p>	

<p>Element Group: Decks</p> <p>Element Name: Deck top</p> <p>Location:</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Cast-in-place conc on supports, composite</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 81.5</p> <p>Width: 14.4</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 1173.59</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 1173.59 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 07

<p>Element Group: Decks</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 81.5</p> <p>Width: 14.4</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 1173.59</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 1173.59 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Slight wheel track rutting. Deck drains appear to have been extended twice, so depth of asphalt on bridge may be substantial.</p> <p>Recommended Work</p>	

<p>Element Group: Sidewalks/curbs</p> <p>Element Name: Sidewalks/Medians</p> <p>Location: Each Side</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 92.5</p> <p>Width: 1.9</p> <p>Height: 0.15</p> <p>Count: 2</p> <p>Total Quantity: 379.25</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 373.25 3 3</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$12,000.00</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Extensive wide cracking at east sidewalk and curb. Inside curb face exhibits severe scaling throughout.</p> <p>Recommended Work</p> <p>Repair concrete.</p>	

<p>Element Group: Barriers</p> <p>Element Name: Barrier/Parapet Walls Interior</p> <p>Location: Each Side</p> <p>Material: Cast-in-place concrete</p> <p>Element Type: Parapet Wall with two rails</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 92.5</p> <p>Width: 0.25</p> <p>Height: 0.6</p> <p>Count: 2</p> <p>Total Quantity: 111</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 101 5 5</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$160,000.00</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Narrow to medium map cracking with moisture staining throughout. Areas of delaminations and spalls with exposed corroded reinforcing. Multiple wide cracks throughout.</p> <p>Recommended Work</p> <p>Replace barrier walls.</p>	

Municipal Structure Inspection Form

Structure Number: 07

<p>Element Group: Barriers</p> <p>Element Name: Railing Systems</p> <p>Location: Each Side</p> <p>Material: Steel</p> <p>Element Type: Double Railing</p> <p>Environment: Severe</p> <p>Protection System: Hot dip galvanizing</p>	<p>Length: 91.5</p> <p>Width:</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 183</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>m 182 1 </p>	<p>Maint. Needs</p> <p>Bridge Handrail Maintenance</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Upper tube moved out of post at southeast. Tube railing too short at southwest.</p>	
<p>Recommended Work</p> <p>Reset railing at southeast, extend railing at southwest.</p>	

<p>Element Group: Joints</p> <p>Element Name: Armouring/retaining devices</p> <p>Location: Each End</p> <p>Material: Steel</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 14.4</p> <p>Width:</p> <p>Height:</p> <p>Count: 8</p> <p>Total Quantity: 115.19</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 115.19 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Limited inspection due to traffic volume.</p>	
<p>Recommended Work</p>	

<p>Element Group: Joints</p> <p>Element Name: Concrete end dams</p> <p>Location: Each End</p> <p>Material: Cast-in-place concrete</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System: None</p>	<p>Length: 0.5</p> <p>Width: 14.4</p> <p>Height:</p> <p>Count: 4</p> <p>Total Quantity: 28.79</p> <p>Limited Inspection <input checked="" type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 26.79 1 1</p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Limited inspection due to high traffic volume. Spall along south end dam, at centreline of north end dam, and at northwest. Wide crack at centreline to south end dam. Light scaling throughout.</p>	
<p>Recommended Work</p> <p>Repair concrete</p>	

Municipal Structure Inspection Form

Structure Number: 07

Element Group:	Joints				Length:	18.7	
Element Name:	Seals/sealants				Width:		
Location:	Each End				Height:		
Material:	Other				Count:	2	
Element Type:	Strip seal				Total Quantity:	37.4	
Environment:	Benign				Limited Inspection	<input checked="" type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Bridge Cleaning	
	m		36.4			Perform. Deficiencies	
Comments					None		
Limited inspection due to high traffic volume. North seal ripped near west end. Gaps filled with sand at time of inspection					Estimated Construction Cost: \$20,000.00		
Recommended Work					Priority		
Replace seals. Clean debris from seals as maintenance.					None		
					6-10 yrs		
					1-5 yrs		
					Within 1 yr		
					Urgent		

Element Group:	Decks				Length:		
Element Name:	Drainage				Width:	0.15	
Location:	Each Side				Height:		
Material:	Steel				Count:	4	
Element Type:	Metal drain pipes				Total Quantity:	4	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:	Hot dip galvanizing				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	m		4			None	
Comments					Estimated Construction Cost:		
Deck drains appear to have been extended at least twice.					Priority		
Recommended Work					None		
					6-10 yrs		
					1-5 yrs		
					Within 1 yr		
					Urgent		

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Joints	Seals/sealants	Replace seals. Clean debris from seals as maintenance.	6-10 yrs	\$20,000.00
Joints	Concrete end dams	Repair concrete	6-10 yrs	\$2,000.00
Barriers	Barrier/Parapet Walls	Replace barrier walls.	6-10 yrs	\$160,000.00
Sidewalks/curbs	Sidewalks/Medians	Repair concrete.	6-10 yrs	\$12,000.00
Decks	Soffit - Thin Slab	Repair concrete.	6-10 yrs	\$10,000.00
Decks	Soffit - Thin Slab	Repair concrete.	6-10 yrs	\$10,000.00

Municipal Structure Inspection Form**Structure Number:** 07

Abutments	Bearings	Replace bearings at north.	6-10 yrs	\$42,000.00
Total				\$256,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$40,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$38,000.00
Contingencies		\$38,000.00
Total Estimated Const. Cost		\$372,000.00

Justification

Structure Number: 07



Roadway looking north.



East elevation.

Structure Number: 07



Patches, map cracking, delamination, and exposed corroded rebar on parapet wall.



Cracking on sidewalk.

Structure Number: 07



Wearing surface, rutting noted.



North approach, rutting noted.

Structure Number: 07



Torn seal and joint filled with sand at north.



Scaling of sidewalk at northwest.

Structure Number: 07



Excessive gap due to short handrail section at southwest.



Crack in southwest ballast wall.

Structure Number: 07



Honeycombing at southwest wingwall and ballast wall.



South abutment wall.

Structure Number: 07



Girder end, corrosion at bearing seat.



Honeycombing, wide cracks in pier cap. Light scaling of pier shaft at waterline..

Structure Number: 07



Extensive map cracking, possible AAR, at northeastern parapet wall and wingwall.



Cracking and honeycombing at northeast ballast wall.

Structure Number: 07



Excessive deformation of north bearings.



Cracking and crack with spall at northwest abutment wall.

Structure Number: 07



Scaling at waterline of north abutment.

Inventory Data

Structure Name	Lakeshore Road Culvert		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	Lakeshore road (Ontario 11B)		
Structure Location	0.7 km South of Sunnyside Road		
Latitude	47d28'28.4" N	Longitude	79d39'40.1" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not Cons		
Road Class:	Arterial		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Haileybury		
Structure Type	Rectangular Culvert		
Total Deck Length	30.25	(m)	Posted Speed <input type="text" value="80"/>
Overall Str Width	5.65	(m)	No of Lanes <input type="text" value="2"/>
Total Deck Area	170.9125	(sq. m)	AADT <input type="text"/>
Roadway Width	7.4	(m)	% Trucks <input type="text"/>
Span Lengths	4.85 (m)		
	Special Routes: Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input checked="" type="checkbox"/>		
	Detour Length Around Bridge <input type="text" value="15"/> (km)		
	Fill on Structure <input type="text" value="1.4"/> (m)		
	Skew Angle <input type="text" value="28"/> (Degrees)		
	Direction of Structure <input type="text" value="North/South"/>		
	No of Spans <input type="text" value="1"/>		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 18° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	All				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		2		2	
Comments						
North embankments severely eroded, affecting railing posts.						
Recommended Work						
Repair north embankments and provide slope protection.						
					Perform. Deficiencies	None
					Estimated Construction Cost:	\$7,000.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Embankments & Streams				Length:	
Element Name:	Streams and Waterways				Width:	
Location:	Through Culvert				Height:	
Material:					Count:	1
Element Type:					Total Quantity:	1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each			1		
Comments						
Debris obstructing flow at inlet.						
Recommended Work						
Clear debris as maintenance.						
					Perform. Deficiencies	None
					Estimated Construction Cost:	
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Culverts				Length:	30.25
Element Name:	Barrels				Width:	4.85
Location:	Throughout				Height:	2.44
Material:	Cast-in-place concrete				Count:	1
Element Type:	Frames - Rigid				Total Quantity:	294.33
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		270.73	22.1	1.5	
Comments						
Severe scaling and cracking at northwest. Undermining at northeast along waterline. Severe scaling of exposed concrete top at north. Wet stains, medium crack, and delamination at north soffit end. Pattern crack with moisture staining throughout; possible AAR.						
Recommended Work						
Inject grout and repair concrete at undermined location. Repair poor concrete at top of north end, protect with waterproofing and asphalt.						
					Perform. Deficiencies	None
					Estimated Construction Cost:	\$40,000.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Municipal Structure Inspection Form

Structure Number: 08

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 5.65</p> <p>Width: 7.5</p> <p>Height: 0.09</p> <p>Count: 1</p> <p>Total Quantity: 42.37</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 32.37 10 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Wide longitudinal crack at centreline. Some medium transverse cracking throughout.</p> <p>Recommended Work</p>	

<p>Element Group: Retaining walls</p> <p>Element Name: Walls</p> <p>Location: Armour Stone at North End</p> <p>Material: Masonry</p> <p>Element Type: Masonry</p> <p>Environment: Moderate</p> <p>Protection System: None</p>	<p>Length: 20</p> <p>Width: 0.5</p> <p>Height: 0.7</p> <p>Count: 1</p> <p>Total Quantity: 28.69</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 28.69 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>
<p>Comments</p> <p>Recommended Work</p>	

<p>Element Group: Barriers</p> <p>Element Name: Railing Systems</p> <p>Location: North End (Ped. Lookout)</p> <p>Material: Steel</p> <p>Element Type: Steel frame</p> <p>Environment: Severe</p> <p>Protection System: Other</p>	<p>Length: 12.4</p> <p>Width: 0.1</p> <p>Height: 1.2</p> <p>Count: 1</p> <p>Total Quantity: 12.4</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>m 10.4 2 </p>	<p>Maint. Needs</p> <p>Bridge Handrail Maintenance</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p>Priority: Within 1 yr None 6-10 yrs 1-5 yrs Urgent</p>
<p>Comments</p> <p>Some bent vertical members at northwest, bent top member at northeast.</p> <p>Recommended Work</p> <p>Repair damaged members as maintenance.</p>	

Municipal Structure Inspection Form

Structure Number: 08

Element Group:	Barriers				Length:	12.4
Element Name:	Railing Systems				Width:	0.05
Location:	North End Along Path				Height:	1.2
Material:	Steel				Count:	1
Element Type:	Steel Post <108 mm deep and steel rails				Total Quantity:	12.4
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:	Other				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Bridge Handrail Maintenance
	m		11.4			Perform. Deficiencies
Comments						None
Earth around concrete post bases nearest to lookout at east and west eroded. Concrete deteriorate.						Estimated Construction Cost:
Recommended Work						Priority
Repair erosion and restore soil support to post bases, costed under emabankments. Repair concrete as maintenance.						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Element Group:	Barriers				Length:	150
Element Name:	Railing Systems				Width:	
Location:	Each End				Height:	
Material:	Steel				Count:	2
Element Type:	Steel Flex Beam on wood post				Total Quantity:	300
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Bridge Handrail Maintenance
	m		276	20	4	Perform. Deficiencies
Comments						None
Several location with impact damage at north rail, two locations with impact damage at southeast.						Estimated Construction Cost:
Recommended Work						Priority
Replace damaged rails as maintenance.						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Culverts	Barrels	Inject grout and repair concrete at undermined location. Repair poor concrete at top of north end, protect with waterproofing and asphalt.	1-5 yrs	\$40,000.00
Embankments & Streams	Embankments	Repair north embankments and provide slope protection.	1-5 yrs	\$7,000.00
			Total	\$47,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$5,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$8,000.00
Contingencies	15%	\$8,000.00
Total Estimated Const. Cost		\$68,000.00

Justification

Structure Number: 08



Roadway looking east.



North elevation.

Structure Number: 08



Scaling and map cracking at northwest wall.



Crack, delamination, wet stains at north end soffit.

Structure Number: 08



Washout at northeast, rail post losing soil support.



Severe scaling of north end deck top.

Structure Number: 08



Severe scaling, undermining due to scouring action at northeast.



Cracking in wearing surface.

Structure Number: 08



Cracking with moisture staining in southwest wall



Rail post losing soil support at northwest, and deteriorate concrete.

Inventory Data

Structure Name	West Road Culvert		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	West Road		
Structure Location	0.6 km East of Clover Valley Road		
Latitude	47d27'03.5" N	Longitude	79d41'33.7" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Arterial		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Haileybury		
Structure Type	Round Culvert		
Total Deck Length	38.3	(m)	
Overall Str Width	2.4	(m)	
Total Deck Area	91.92	(sq. m)	
Roadway Width	7.2	(m)	
Span Lengths	2.4 (m)		
Posted Speed	80	No of Lanes	2
AADT		% Trucks	
Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>		
Detour Length Around Bridge	14	(km)	
Fill on Structure	6	(m)	
Skew Angle	0	(Degrees)	
Direction of Structure	North/South		
No of Spans	1		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	2018-09-19
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 18° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Culverts				Length:	38.3
Element Name:	Barrels				Width:	2.4
Location:					Height:	
Material:	Corrugated steel				Count:	1
Element Type:	Pipe round				Total Quantity:	288.8
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		175.6	56.6	56.6	
Comments						
Medium to severe corrosion below waterline. Isolated areas above waterline also corroded with perforations. Noticable dip in pipe; south end has lifted. Large perforation at north end, base of pipe causing severe undermining of culvert.						
Recommended Work						
Replace culvert.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$278,900.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	All				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	m			1	3	
Comments						
Severe erosion at southwest, northeast, northwest, and above structure on north end.						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$0.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Embankments & Streams				Length:	
Element Name:	Streams and Waterways				Width:	
Location:	Under Bridge				Height:	
Material:					Count:	
Element Type:					Total Quantity:	1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each			1		
Comments						
Beaver dam noted at inlet.						
Recommended Work						
Remove beaver dam as maintenance.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Municipal Structure Inspection Form

Structure Number: 09

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material: Asphalt</p> <p>Element Type: Bituminous</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 2.4</p> <p>Width: 7.2</p> <p>Height: 0.09</p> <p>Count: 1</p> <p>Total Quantity: 17.28</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 14.28 3 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$18,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Wide transverse cracking throughout. Longitudinal crack at centreline.</p>	
<p>Recommended Work</p> <p>Replace with culvert</p>	

<p>Element Group: Barriers</p> <p>Element Name: Railing Systems</p> <p>Location: Each End</p> <p>Material: Wood</p> <p>Element Type: Wood post and 3 cable</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 168</p> <p>Width:</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 336</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>m 316 20 </p>	<p>Maint. Needs</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$30,000.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>Some loose cable connectors.</p>	
<p>Recommended Work</p> <p>Replace with SBGR.</p>	

<p>Element Group: Signs</p> <p>Element Name: Signs</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type:</p> <p>Environment: Severe</p> <p>Protection System:</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 4</p> <p>Total Quantity: 4</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 4</p>	<p>Maint. Needs</p> <p>Other</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p>Priority</p> <p>None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p>
<p>Comments</p> <p>No hazard signs present</p>	
<p>Recommended Work</p> <p>Install hazard markers at each quadrant.</p>	

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Barriers	Railing Systems	Replace with SBGR.	1-5 yrs	\$30,000.00
Approaches	Wearing surface	Replace with culvert	1-5 yrs	\$18,000.00
Culverts	Barrels	Replace culvert.	1-5 yrs	\$278,900.00
			Total	\$326,900.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$10,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study	Dewatering	\$10,000.00
Other	Engineering	\$60,000.00
Contingencies		\$53,000.00
Total Estimated Const. Cost		\$459,900.00

Justification

Structure Number: 09



Roadway looking west.



South elevation, inlet.

Structure Number: 09



Transverse cracking in wearing surface.



Beaver dam at inlet.

Structure Number: 09



Barrel looking north, extensive corrosion along waterline.



Severe corrosion and section loss at top of barrel.

Structure Number: 09



Full perforation of barrel bottom at north end.



Severe undermining of north barrel end due to perforated bottom.

Inventory Data

Structure Name	McLean Road Culvert		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	McLean Road		
Structure Location	0.6 km South of Young's Road		
Latitude	47d32'50.0" N	Longitude	79d41'45.7" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Round Culvert		
Total Deck Length	<input type="text" value="4"/> (m)	Posted Speed	<input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="35.4"/> (m)	AADT	<input type="text"/> % Trucks <input type="text"/>
Total Deck Area	<input type="text" value="141.6"/> (sq. m)	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Roadway Width	<input type="text" value="7"/> (m)	Detour Length Around Bridge	<input type="text" value="10"/> (km)
Span Lengths	<input type="text" value="4.0"/> (m)	Fill on Structure	<input type="text" value="2"/> (m)
		Skew Angle	<input type="text" value="0"/> (Degrees)
		Direction of Structure	<input type="text" value="East/West"/>
		No of Spans	<input type="text" value="1"/>

Historical Data

Year Built:	<input type="text" value="2009"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Roadside Safety Review to be completed to assess guiderail requirements

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	All				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		4			
Comments						
Recommended Work						

Element Group:	Embankments & Streams				Length:	
Element Name:	Streams and Waterways				Width:	
Location:	Under Bridge				Height:	
Material:					Count:	1
Element Type:					Total Quantity:	1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	m		1			
Comments						
Structure is undermined upstream. Stream bed is eroded downstream.						
Recommended Work						

Element Group:	Culverts				Length:	35.36
Element Name:	Barrels				Width:	4
Location:					Height:	
Material:	Corrugated steel				Count:	1
Element Type:	Pipe round				Total Quantity:	444.35
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		444.35			
Comments						
Patch at middle of south wall with missing bolts. Missing nut at middle of north wall. Upstream end appears to be lifting slightly compared to the rest of the culvert. Damage at the top of the barrel at the outlet.						
Recommended Work						
Replace missing nut as maintenance. Further research into history of patch is required.						

Municipal Structure Inspection Form

Structure Number: 10

Element Group:	Signs				Length:	
Element Name:	Signs				Width:	
Location:					Height:	
Material:	Steel				Count:	4
Element Type:					Total Quantity:	4
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Other
	Sq. m					4
Comments						
No hazard markers present.						
Recommended Work						
Install hazard markers.						
Perform. Deficiencies						None
Estimated Construction Cost:						\$0.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Approaches				Length:	20
Element Name:	Wearing surface				Width:	7
Location:	Each End				Height:	0.08
Material:	Gravel				Count:	1
Element Type:					Total Quantity:	140
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Other
	Sq. m		140			
Comments						
Recommended Work						
Perform. Deficiencies						None
Estimated Construction Cost:						\$0.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$0.00
Contingencies		\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 10



Roadway looking south.



West elevation.

Structure Number: 10



Erosion of downstream.



Barrel patch with missing bolts.

Structure Number: 10



Barrel looking east.

Inventory Data

Structure Name	Peter's Road Culvert		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	Peter's Road		
Structure Location	0.6 km North of Tobler's Road		
Latitude	47d33'25.8" N	Longitude	79d39'10.5" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Round Culvert		
Total Deck Length	2.7	(m)	
Overall Str Width	34.2	(m)	
Total Deck Area	92.34	(sq. m)	
Roadway Width	7.5	(m)	
Span Lengths	2.7 (m)		
Posted Speed	<input type="text"/>	No of Lanes	<input type="text" value="2"/>
AADT	<input type="text"/>	% Trucks	<input type="text"/>
Special Routes:	Transit <input type="checkbox"/>	Truck <input type="checkbox"/>	School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Detour Length Around Bridge	<input type="text" value="4"/>	(km)	
Fill on Structure	<input type="text" value="2.5"/>	(m)	
Skew Angle	<input type="text" value="20"/>	(Degrees)	
Direction of Structure	<input type="text" value="East/West"/>		
No of Spans	<input type="text" value="1"/>		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Roadside Safety Review to be completed to assess guiderail requirements

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	All				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Each		4			
Comments						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Element Group:	Embankments & Streams				Length:	
Element Name:	Streams and Waterways				Width:	
Location:	Under Bridge				Height:	
Material:					Count:	1
Element Type:					Total Quantity:	1
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	m		1			
Comments						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Element Group:	Approaches				Length:	20
Element Name:	Wearing surface				Width:	7.5
Location:					Height:	
Material:	Gravel				Count:	1
Element Type:					Total Quantity:	150
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		150			
Comments						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Municipal Structure Inspection Form

Structure Number: 11

Element Group:	Culverts				Length:	34.2	
Element Name:	Barrels				Width:	2.7	
Location:	Throughout				Height:		
Material:	Corrugated steel				Count:	1	
Element Type:	Pipe round				Total Quantity:	195.8	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	Hot dip galvanizing				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		178.7	17.1		None	
Comments							
Minor sagging. Light rusting at waterline. Open gaps at some joint locations. Minor damage at outlet.							
Recommended Work							
Estimated Construction Cost:						\$0.00	
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent	

Element Group:	Signs				Length:		
Element Name:	Signs				Width:		
Location:					Height:		
Material:	Steel				Count:	4	
Element Type:					Total Quantity:	4	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs	Other	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m					None	
Comments							
No hazard markers present.							
Recommended Work							
Install hazard markers.							
Estimated Construction Cost:						\$0.00	
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent	

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$0.00
Contingencies		\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 11



Roadway looking south.



East elevation.

Structure Number: 11



Barrel looking west, extensive light corrosion visible at culvert base.



Gap at joint.

Inventory Data

Structure Name	River Road Culvert		
Main Hwy/Road #	<input type="text"/>	On <input type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	River Road		
Structure Location	0.3 km South of Uno Park Road		
Latitude	47d34'42.5" N	Longitude	79d44'28.8" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Round Culvert		
Total Deck Length	<input type="text" value="3.67"/>	(m)	
Overall Str Width	<input type="text" value="37.7"/>	(m)	
Total Deck Area	<input type="text" value="138.359"/>	(sq. m)	
Roadway Width	<input type="text" value="6"/>	(m)	
Span Lengths	<input type="text" value="3.67"/> (m)		
	Posted Speed	<input type="text" value="80"/>	No of Lanes <input type="text" value="2"/>
	AADT	<input type="text"/>	% Trucks <input type="text"/>
	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>	
	Detour Length Around Bridge	<input type="text" value="10"/>	(km)
	Fill on Structure	<input type="text" value="2"/>	(m)
	Skew Angle	<input type="text" value="0"/>	(Degrees)
	Direction of Structure	<input type="text" value="East/West"/>	
	No of Spans	<input type="text" value="1"/>	

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	<input type="text" value="2018-09-19"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Roadside Safety Review to be completed to assess guiderail requirements

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Approaches				Length:	20	
Element Name:	Wearing surface				Width:	6	
Location:					Height:		
Material:	Gravel				Count:	1	
Element Type:					Total Quantity:	120	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m		120				
Comments							
Recommended Work							

Element Group:	Signs				Length:		
Element Name:	Signs				Width:		
Location:					Height:		
Material:	Steel				Count:	4	
Element Type:					Total Quantity:	4	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m					4	
Comments	No hazard markers present.						
Recommended Work	Install hazard markers.						

Element Group:	Embankments & Streams				Length:		
Element Name:	Streams and Waterways				Width:		
Location:	Under Bridge				Height:		
Material:					Count:	1	
Element Type:					Total Quantity:	1	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Each			1			
Comments	Erosion of stream bed at east. Large buildup at west (inlet).						
Recommended Work	Provide rock protection at east. Remove debris at west as maintenance.						

Municipal Structure Inspection Form

Structure Number: 12

Element Group:	Embankments & Streams				Length:	
Element Name:	Embankments				Width:	
Location:	All				Height:	
Material:					Count:	4
Element Type:					Total Quantity:	4
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Erosion Control at Bridges
	Each		3		1	Perform. Deficiencies
Comments						None
rosion at northeast						Estimated Construction Cost:
Recommended Work						Priority
Repair erosion.						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Element Group:	Culverts				Length:	37.7
Element Name:	Barrels				Width:	3.67
Location:	Throughout				Height:	3.67
Material:	Corrugated steel				Count:	1
Element Type:	Pipe round				Total Quantity:	217.33
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies
	Sq. m		183.3	34		None
Comments						Estimated Construction Cost:
Damage at inlet. Extensive light corrosion at bottom of culvert.						Priority
Recommended Work						None
						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$0.00
Contingencies		\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 12



Roadway looking south.



East elevation.

Structure Number: 12



Severe washout of embankment at northeast.



Barrel looking west.

Structure Number: 12



Light scaling at waterline



West elevation.

Inventory Data

Structure Name	Dale's Road Culvert		
Main Hwy/Road #	<input type="text"/>	On <input checked="" type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text" value="Non-navig water"/>
Road Name	Cummington Road 6		
Structure Location	0.7 km West of Trans Canada Highway		
Latitude	47d33'58.7" N	Longitude	79d42'08.0" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	Not "Cons"		
Road Class:	Local		
MTO Region	Northern		
MTO District	New Liskeard		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Arch Culvert		
Total Deck Length	4.4	(m)	
Overall Str Width	39.55	(m)	
Total Deck Area	174.02	(sq. m)	
Roadway Width	5.6	(m)	
Span Lengths	4.4 (m)		
Posted Speed	80	No of Lanes	1
AADT		% Trucks	
Special Routes:	Transit <input type="checkbox"/>	Truck <input type="checkbox"/>	School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Detour Length Around Bridge		(km)	
Fill on Structure	1.2	(m)	
Skew Angle	30	(Degrees)	
Direction of Structure	NE/SW		
No of Spans	1		

Historical Data

Year Built:	2010	Last Biennial Inspection:	2018-09-19
Current Load Limit:		(tonnes)	Last BridgeMaster Inspection:
Load Limit By-Law #:		Last Evaluation:	
By-Law Expiry Date:		Last Underwater Inspection:	
Min Vertical Clearance:	2.8	(m)	Last Condition Survey:
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-02

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: Ghassan Zanzoul, P.Eng.

Others in Party: Aleksa Mitrovic

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
DART Survey	<input type="text" value="None"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text" value="None"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text" value="None"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text" value="2022-09-03"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Barriers				Length:	39	
Element Name:	Railing Systems				Width:		
Location:	North Side				Height:		
Material:	Steel				Count:	1	
Element Type:	Steel Flex Beam on steel post				Total Quantity:	39	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	Hot dip galvanizing				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	m		39				
Comments							
Recommended Work							

Element Group:	Approaches				Length:	4.4	
Element Name:	Wearing surface				Width:	5.6	
Location:					Height:		
Material:	Gravel				Count:	1	
Element Type:					Total Quantity:	24.63	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Sq. m		24.63				
Comments	Erosion of north embankment encroaching edge of roadway.						
Recommended Work	Add granular fill as maintenance.						

Element Group:	Embankments & Streams				Length:		
Element Name:	Embankments				Width:		
Location:	All				Height:		
Material:					Count:	4	
Element Type:					Total Quantity:	4	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:	None				Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor		
	Each		2				
Comments	Extensive erosion of the west embankments						
Recommended Work							

Municipal Structure Inspection Form

Structure Number: 13

<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Streams and Waterways</u></p> <p>Location: <u>Through Culvert</u></p> <p>Material: <u></u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Each</u> <u></u> <u>1</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u>1</u></p> <p>Total Quantity: <u>1</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority <u>None</u></p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <u>None</u> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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<p>Element Group: <u>Culverts</u></p> <p>Element Name: <u>Barrels</u></p> <p>Location: <u>Throughout</u></p> <p>Material: <u>Corrugated steel</u></p> <p>Element Type: <u>Pipe Arch</u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>Hot dip galvanizing</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Sq. m</u> <u></u> <u>438</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u>39.55</u></p> <p>Width: <u>4.4</u></p> <p>Height: <u>2.8</u></p> <p>Count: <u>1</u></p> <p>Total Quantity: <u>438</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority <u>None</u></p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <u>None</u> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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<p>Element Group: <u>Culverts</u></p> <p>Element Name: <u>Inlet Components</u></p> <p>Location: <u>Cut-off Wall</u></p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: <u></u></p> <p>Environment: <u>Benign</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 40px;"><u>Sq. m</u> <u></u> <u>5.02</u> <u></u> <u></u></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>	<p>Length: <u></u></p> <p>Width: <u></u></p> <p>Height: <u></u></p> <p>Count: <u></u></p> <p>Total Quantity: <u>5.02</u></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs <u></u></p> <p>Perform. Deficiencies <u>None</u></p> <p>Estimated Construction Cost: <u></u></p> <p style="text-align: right;">Priority <u>None</u></p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <u>None</u> 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>
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Municipal Structure Inspection Form

Structure Number: 13

Element Group:	Culverts				Length:	1.6
Element Name:	Outlet Components				Width:	0.35
Location:	South End				Height:	1
Material:	Cast-in-place concrete				Count:	2
Element Type:					Total Quantity:	5.02
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:	None				Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		5.02			
Comments						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost:						
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Signs				Length:	
Element Name:	Signs				Width:	
Location:					Height:	
Material:	Steel				Count:	4
Element Type:					Total Quantity:	4
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m					4
Comments						
No hazard markers present.						
Recommended Work						
Install hazard markers.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$0.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering (15%)	\$0.00
Contingencies		\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 13



Roadway looking west.



North elevation.

Structure Number: 13



Barrel looking north.



Barrel wall (typ.)

Structure Number: 13



Erosion at north.

Inventory Data

Structure Name	New Liskeard Arena		
Main Hwy/Road #	<input type="text"/>	On <input type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text"/>
Road Name	Wellington Street		
Structure Location	75 Wellington Street		
Latitude	47d30'22.9" N	Longitude	79d40'20.1" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	<input type="text"/>		
Road Class:	<input type="text"/>		
MTO Region	<input type="text"/>		
MTO District	<input type="text"/>		
Old County	Temiskaming		
Geographic Twp	Dymond		
Structure Type	Asphalt Shingles/EDPM roofing on Glulam		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text"/>
Overall Str Width	<input type="text"/>	(m)	No of Lanes <input type="text"/>
Total Deck Area	<input type="text"/>	(sq. m)	AADT <input type="text"/>
Roadway Width	<input type="text"/>	(m)	% Trucks <input type="text"/>
Span Lengths	<input type="text"/>		
	Special Routes: Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>		
	Detour Length Around Bridge <input type="text"/> (km)		
	Fill on Structure <input type="text"/> (m)		
	Skew Angle <input type="text"/> (Degrees)		
	Direction of Structure <input type="text"/>		
	No of Spans <input type="text"/>		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	2018-07-17
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Paul Allair

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text"/>	<input type="text" value="0"/>
DART Survey	<input type="text"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text" value="0"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Beams/MLE's				Length:	19.25
Element Name:	Girders				Width:	0.22
Location:					Height:	0.61
Material:	Wood				Count:	18
Element Type:	Glulam Beam				Total Quantity:	575.19
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		555.19	10	10	
Comments						
The depth of the glulam beams varies along their length. An average depth is used to calculate quantity. Beams exhibit dry rot at exposed ends on outside of arena.						
Recommended Work						
Recoat and provide moisture protection to exposed ends of beams.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$5,000.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Roofs				Length:	7.92
Element Name:	Roof				Width:	56.39
Location:	Flat portion of roof at south				Height:	
Material:	Asphalt				Count:	
Element Type:					Total Quantity:	446.6
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m			223.3	223.3	
Comments						
Shingles on flat portion damaged due to water/ice/snow pouring on it from sloped roof.						
Recommended Work						
Replace shingles.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$45,000.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Element Group:	Roofs				Length:	19.25
Element Name:	Roof				Width:	76.15
Location:	Sloped portion of roof				Height:	
Material:	Asphalt				Count:	2
Element Type:	Long Strip Asphalt				Total Quantity:	1465.88
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m			1365.88	100	
Comments						
Long strip asphalt roof. Some areas where repairs had been done noted.						
Recommended Work						
Replace roofing.						
Perform. Deficiencies						
None						
Estimated Construction Cost:						\$300,000.00
Priority						None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Municipal Structure Inspection Form

Structure Number: **BLDG1**

Element Group:	Roofs				Length:	27.17
Element Name:					Width:	76.15
Location:	Underside of roof				Height:	
Material:	Wood				Count:	
Element Type:					Total Quantity:	1912.48
Environment:	Benign				Limited Inspection	<input checked="" type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies
	Sq. m		1892.48	10	10	
Comments						
Wooden underside of roof covered with insulation in arena, outside and at south building extension. Dry rot on outside portions due to moisture wrapping around roof.						
Recommended Work						
Repair and recoat timber.						
					Estimated Construction Cost:	\$10,000.00
					Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Roofs		Repair and recoat timber.	1-5 yrs	\$10,000.00
Roofs	Roof	Replace roofing.	1-5 yrs	\$300,000.00
Roofs	Roof	Replace shingles.	1-5 yrs	\$45,000.00
Beams/MLE's	Girders	Recoat and provide moisture protection to exposed ends of beams.	1-5 yrs	\$5,000.00
Total				\$360,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other		\$0.00
Contingencies	(15%)	\$54,000.00
Total Estimated Const. Cost		\$414,000.00

Justification

Structure Number: BLDG1

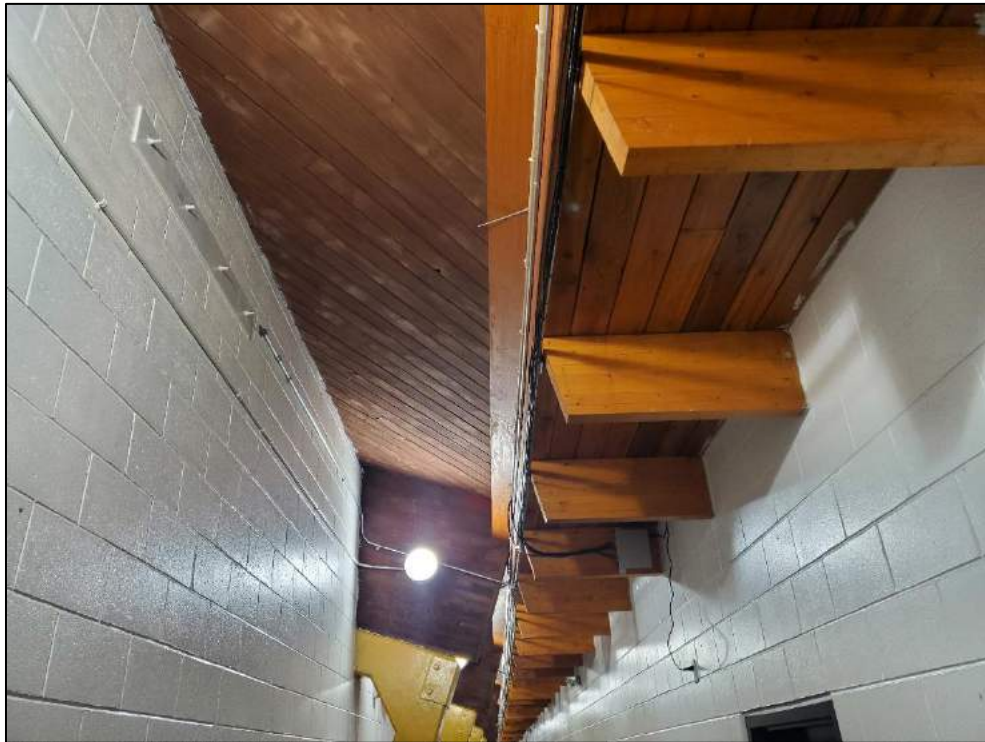


South elevation.

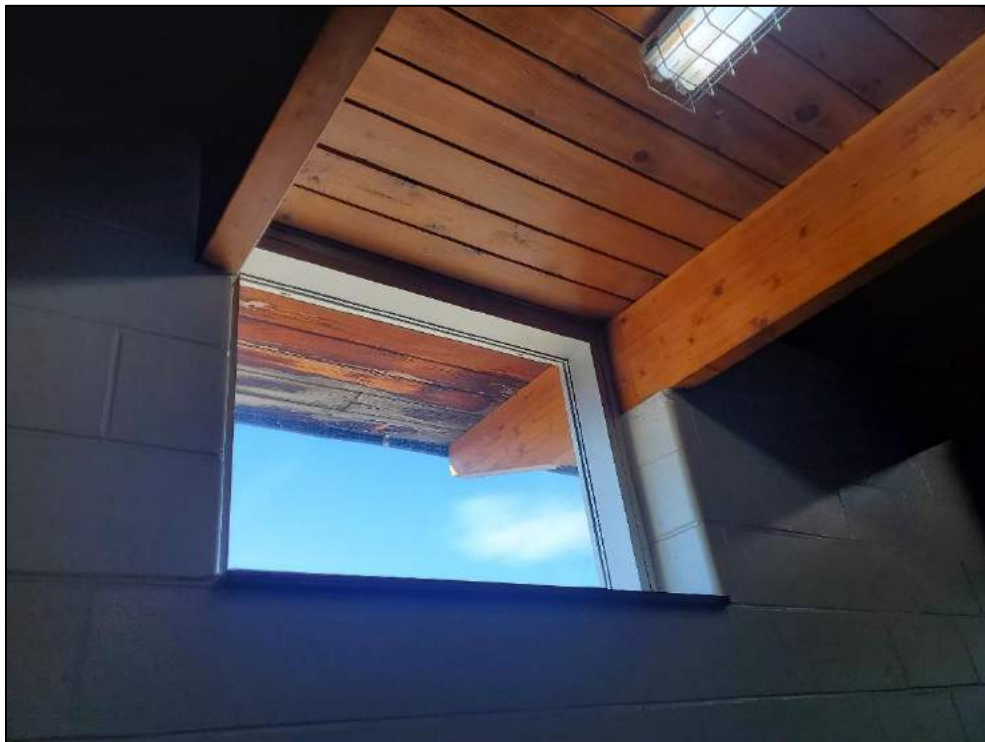


Glulam beams and insulation on interior of roof.

Structure Number: BLDG1



Underside of roof and ends of beams at building extension (south).



Dry rot of roof underside at building extension (south).

Structure Number: BLDG1



Existing patch of long strip asphalt on roof.



Damaged asphalt at south of building, flat roof.

Structure Number: BLDG1



Dry rot on glulam beam ends.

Inventory Data

Structure Name	Waterfront Pool and Fitness Centre		
Main Hwy/Road #	<input type="text"/>	On <input type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text"/>
Road Name	Wellington Street		
Structure Location	77 Wellington Street		
Latitude	47d30'19.8" N	Longitude	79d40'19.4" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	<input type="text"/>		
Road Class:	<input type="text"/>		
MTO Region	<input type="text"/>		
MTO District	<input type="text"/>		
Old County	Temiskaming	Posted Speed	<input type="text"/>
Geographic Twp	Dymond	AADT	<input type="text"/>
Structure Type	Asphalt Shingles on Corrugated Steel Deck	No of Lanes	<input type="text"/>
Total Deck Length	<input type="text"/> (m)	% Trucks	<input type="text"/>
Overall Str Width	<input type="text"/> (m)	Special Routes: Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>	
Total Deck Area	<input type="text"/> (sq. m)	Detour Length Around Bridge	<input type="text"/> (km)
Roadway Width	<input type="text"/> (m)	Fill on Structure	<input type="text"/> (m)
Span Lengths	<input type="text"/> (m)		
		Skew Angle	<input type="text"/> (Degrees)
		Direction of Structure	<input type="text"/>
		No of Spans	<input type="text"/>

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	<input type="text"/>
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Paul Allair

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text"/>	<input type="text" value="0"/>
DART Survey	<input type="text"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text" value="0"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Roofs				Length:	30.33	
Element Name:					Width:	25.06	
Location:	Underside of roof, pool area				Height:		
Material:	Steel				Count:		
Element Type:	Corrugated steel				Total Quantity:	760.07	
Environment:	Benign				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		760.07			Estimated Construction Cost: \$0.00	
Comments					Priority		
Painted.					None		
Recommended Work					6-10 yrs		
					1-5 yrs		
					Within 1 yr		
					Urgent		

Element Group:	Roofs				Length:	6.59	
Element Name:					Width:	7.54	
Location:	Underside of roof, fan room				Height:		
Material:	Steel				Count:	1	
Element Type:	Corrugated steel				Total Quantity:	49.69	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m			43.69	6	Estimated Construction Cost: \$10,000.00	
Comments					Priority		
Galvanized coating on corrugated steel damaged due to high humidity levels in fan room. Corrosion at some locations.					None		
Recommended Work					6-10 yrs		
Recoat corrugated steel.					1-5 yrs		
					Within 1 yr		
					Urgent		

Element Group:	Roofs				Length:	7.54	
Element Name:					Width:	6.1	
Location:	Mezzanine, fan room				Height:		
Material:	Steel				Count:	1	
Element Type:	Corrugated steel				Total Quantity:	46	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs		
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		46			Estimated Construction Cost: \$0.00	
Comments					Priority		
Painted.					None		
Recommended Work					6-10 yrs		
					1-5 yrs		
					Within 1 yr		
					Urgent		

Municipal Structure Inspection Form

Structure Number: **BLDG2**

Element Group:	Beams/MLE's				Length:	
Element Name:	Girders				Width:	
Location:	Fan room				Height:	
Material:	Steel				Count:	6
Element Type:	I type				Total Quantity:	6
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m			6		
Comments						
Water condenses on beams, evidenced by moisture stains seen down walls at beam ends. Corrosion on some beam ends.						
Recommended Work						
Recoat beam ends.						
Perform. Deficiencies						
Estimated Construction Cost: \$5,000.00						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Element Group:	Roofs				Length:	79.79
Element Name:	Shingles				Width:	37.38
Location:	External				Height:	
Material:	Asphalt				Count:	
Element Type:	Asphalt shingles				Total Quantity:	2056
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	Sq. m		155.59	50		
Comments						
Shingles curling and deteriorated at multiple locations.						
Recommended Work						
Replace roofing.						
Perform. Deficiencies						
Estimated Construction Cost: \$250,000.00						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Element Group:	Trusses/Arches				Length:	11.5
Element Name:					Width:	
Location:	Pool area				Height:	
Material:	Steel				Count:	19
Element Type:					Total Quantity:	218.5
Environment:	Benign				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	
	m		218.5	0	0	
Comments						
Painted.						
Recommended Work						
Perform. Deficiencies						
None						
Estimated Construction Cost: \$0.00						
Priority						
None						
6-10 yrs						
1-5 yrs						
Within 1 yr						
Urgent						

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Roofs	Shingles	Replace roofing.	1-5 yrs	\$250,000.00
Beams/MLE's	Girders	Recoat beam ends.	1-5 yrs	\$5,000.00
Roofs		Recoat corrugated steel.	1-5 yrs	\$10,000.00
			Total	\$265,000.00

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	<input type="text" value="\$0.00"/>
Detours	<input type="text"/>	<input type="text" value="\$0.00"/>
Traffic Control	<input type="text"/>	<input type="text" value="\$0.00"/>
Utilities	<input type="text"/>	<input type="text" value="\$0.00"/>
Right of Way	<input type="text"/>	<input type="text" value="\$0.00"/>
Environmental Study	<input type="text"/>	<input type="text" value="\$0.00"/>
Other	<input type="text"/>	<input type="text" value="\$0.00"/>
Contingencies	<input type="text" value="(15%)"/>	<input type="text" value="\$40,000.00"/>
Total Estimated Const. Cost		<input type="text" value="\$305,000.00"/>

Justification

Structure Number: BLDG2



South corner of building.



Deteriorated shingles at south

Structure Number: BLDG2



Deteriorated shingles at southeast.



Extensive curling and damage to shingles.

Structure Number: BLDG2



Painted decking and steel joists on roof of pool area (typ.).



Damaged galvanized coating of steel decking in filter room.

Structure Number: BLDG2



Moisture staining due to condensation and severe corrosion at girder ends in filter room.



Extensive coating failure and corrosion of steel decking in filter room.

Inventory Data

Structure Name	Haileybury Arena		
Main Hwy/Road #	<input type="text"/>	On <input type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text"/>
Road Name	Ferguson Avenue		
Structure Location	390 Ferguson Avenue		
Latitude	47d26'49.3" N	Longitude	79d38'01.3" W
Owner(s)	City of Temiskaming Shores		
Heritage Designation	<input type="text"/>		
Road Class:	<input type="text"/>		
MTO Region	<input type="text"/>		
MTO District	<input type="text"/>		
Old County	Temiskaming	Posted Speed	<input type="text"/>
Geographic Twp	Haileybury	AADT	<input type="text"/>
Structure Type	Long Strip Asphalt Roof on Steel Truss	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Total Deck Length	<input type="text"/> (m)	Detour Length Around Bridge	<input type="text"/> (km)
Overall Str Width	<input type="text"/> (m)	Fill on Structure	<input type="text"/> (m)
Total Deck Area	<input type="text"/> (sq. m)	Skew Angle	<input type="text"/> (Degrees)
Roadway Width	<input type="text"/> (m)	Direction of Structure	<input type="text"/>
Span Lengths	<input type="text"/>		No of Spans <input type="text"/>
			(m)

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	2018-07-07
Current Load Limit:	<input type="text"/> (tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>	Last Evaluation:	<input type="text"/>
By-Law Expiry Date:	<input type="text"/>	Last Underwater Inspection:	<input type="text"/>
Min Vertical Clearance:	<input type="text"/> (m)	Last Condition Survey:	<input type="text"/>
Rehab History: (Date/description)			

Field Inspection Information

Date of Inspection: 2020-09-03

Temperature: 20° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Paul Allair

Equipment Used: Camera and Hand Tools

Weather: Partly Cloudy

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	<input type="text"/>	<input type="text" value="0"/>
DART Survey	<input type="text"/>	<input type="text" value="0"/>
Detailed Coating Condition Survey:	<input type="text"/>	<input type="text" value="0"/>
Underwater Investigation:	<input type="text"/>	<input type="text" value="0"/>
Fatigue Investigation:	<input type="text"/>	<input type="text" value="0"/>
Seismic Investigation:	<input type="text"/>	<input type="text" value="0"/>
Structure Evaluation:	<input type="text"/>	<input type="text" value="0"/>
Load Posting: Estimated Load	<input type="text" value="0"/>	Total Cost <input type="text" value="0"/>
Next Date Inspection:	<input type="text"/>	

Special Notes:

Suspected Performance Deficiencies

00 None	06 Bearing not uniformly loaded/unstable	12 Slippery surfaces
01 Load carrying capacity	07 Jammed expansion joint	13 Flooding/channel blockage
02 Excessive deformations (deflections rotations)	08 Pedestrian/vehicular hazard	14 Undermining of foundation
03 Continuing settlement	09 Rough riding surface	15 Unstable embankments
04 Continuing movements	10 Surface ponding	16 Other
05 Seized bearings	11 Deck drainage	

Maintenance Needs

01 Lift and Swing Bridge Maintenance	07 Repair to Structural Steel	13 Erosion Control at Bridges
02 Bridge Cleaning	08 Repair of Bridge Concrete	14 Concrete Sealing
03 Bridge Handrail Maintenance	09 Repair of Bridge Timber	15 Rout and Seal
04 Painting Steel Bridge Structures	10 Bailey Bridges - Maintenance	16 Bridge deck Drainage
05 Bridge Deck Joint Repair	11 Animal/Pest Control	17 Other
06 Bridge Bearing Maintenance	12 Bridge Surface Repair	

Element Data

Element Group:	Trusses/Arches					Length:	
Element Name:	Bowstring Truss					Width:	
Location:	Main arena, supporting roof					Height:	
Material:	Steel					Count:	7
Element Type:						Total Quantity:	7
Environment:	Benign					Limited Inspection	<input type="checkbox"/>
Protection System:						Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		7	0	0	None	
Comments							
Recommended Work							
Estimated Construction Cost:						\$0.00	
Priority						None	
						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Element Group:	Roof					Length:	55.48
Element Name:						Width:	34.14
Location:	Center of roof					Height:	
Material:	Asphalt					Count:	
Element Type:	Long strip asphalt					Total Quantity:	1811.5
Environment:	Severe					Limited Inspection	<input type="checkbox"/>
Protection System:						Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m	1811.5	0	0	0	None	
Comments							
In the process of being replaced.							
Recommended Work							
Estimated Construction Cost:						\$0.00	
Priority						None	
						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Element Group:	Roof					Length:	
Element Name:						Width:	
Location:	South and southeast roofs					Height:	
Material:	EDPM					Count:	
Element Type:						Total Quantity:	827.27
Environment:	Severe					Limited Inspection	<input type="checkbox"/>
Protection System:						Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		827.27	0	0	None	
Comments							
New EDPM roof coating.							
Recommended Work							
Estimated Construction Cost:						\$0.00	
Priority						None	
						6-10 yrs	
						1-5 yrs	
						Within 1 yr	
						Urgent	

Municipal Structure Inspection Form

Structure Number: **BLDG3**

Element Group:	Roof				Length:	60.67
Element Name:					Width:	6.4
Location:	West roof				Height:	
Material:	Other				Count:	1
Element Type:					Total Quantity:	388.29
Environment:	Severe				Limited Inspection	<input type="checkbox"/>
Protection System:					Maint. Needs	
Condition Data:	Units	Exc	Good	Fair	Poor	Cleaning
	Sq. m		380.29	8	0	Perform. Deficiencies
Comments						None
Tar coating protected with gravel. Runoff from center roof displacing gravel protection, allowing sun and rain to damage tar coating. Debris near drains, two overgrown trees. Damaged flashing.					Estimated Construction Cost:	\$70,000.00
Recommended Work					Priority	None
As maintenance: remove debris, trim trees, reinstate displaced gravel, repair flashing. Replace roof in 1-5 years.						6-10 yrs
						1-5 yrs
						Within 1 yr
						Urgent

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Roof		As maintenance: remove debris, trim trees, reinstate displaced gravel, repair flashing. Replace roof in 1-5 years.	1-5 yrs	\$70,000.00
			Total	\$70,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other		\$0.00
Contingencies	(15%)	\$10,500.00
Total Estimated Const. Cost		\$80,500.00

Justification

Structure Number: BLDG3



East elevation.



Roof in process of being replaced.

Structure Number: BLDG3



Debris around drains on lower, gravel and tar roof.



Displaced gravel and damaged tar coating due to runoff from upper roof.

Structure Number: BLDG3



Tree overgrown onto roof, debris around drains.



Construction debris on south upper roof with new EPDM coating.

Structure Number: BLDG3



Center roof replacement and EDPM.



Overgrown tree at south.

Structure Number: BLDG3



Damaged flashing at lower gravel roof.

Subject: Equipment Rental – Excavator

Report No.: PW-026-2020

Agenda Date: November 17, 2020

Attachments

Appendix 01: Pedersen Proposal

Appendix 02: Draft By-law to Amend By-law No. 2019-016 (**Please see by-law No.2020-113**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. PW-026-2020; and
2. That Council directs staff to prepare the necessary by-law to amend By-Law No. 2019-016 with *Pedersen Construction (2013) Inc.*, to permit a two-year extension to the agreement Term, for the Equipment Rental Excavator c/w Operator for Water/Sewer Breaks and repairs at the following rental rates, plus applicable taxes:

Description	Regular Rate	After Hour Rate
Float Time	\$145.00/ hour	\$185.00/ hour
Breaker Attachment	\$235.00/ hour	\$275.00/ per hour
Excavation Time	\$140.00/ hour	\$180/ hour

for consideration at the November 17th, 2020, regular meeting of Council.

Background

The City of Temiskaming Shores requires the services of qualified owner / operators for the supply and operation of an Excavator to assist in the repair of water/sewer breaks at various locations within the City of Temiskaming Shores.

The work involves the provision and transportation of suitable equipment to and from the work site, **as and when required**, to assist the Environmental Division of the Public Works Department with emergency repairs. The Contractor is to provide a qualified operator as well as a mechanical attachment suitable to penetrate asphalt, concrete or frozen ground to expedite the work required. Work on site is at the direction of City staff.

In December 2018 a Request for Quotation was released for excavation services associated with water/sewer repairs. One (1) response was received resulting in the City entering into an agreement with Pedersen Construction. This agreement expires on

December 31st, 2020. Within the provisions the agreement may be extended should both parties agree.

Analysis

Pedersen Construction were contacted by staff to discuss the extension of the agreement for a two (2) year period. As a result, staff was presented with a new proposal which includes a \$10.00 increase per hour for the equipment rental. Appendix 01 outlines the new proposal.

The City has used the services of Pedersen Construction in the past for similar work. The contractor has equipment that is considered adequate and the operators have a significant amount of experience in working around the underground utilities that may be involved while excavating for water/sewer main repairs.

Based on past experience, it is recommended that Pedersen Construction be awarded the contract extension for a two (2) year period (January 1, 2021 – December 31, 2022).

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☒ No ☐ N/A ☐

This item is within the approved budget amount: Yes ☒ No ☐ N/A ☐

The price increases reflect current equipment rates, wage rates and replacement costs associated with excessive wear and tear do to winter work.

Staffing implications related to this matter are limited to normal administrative functions and duties.

Alternatives

The only alternative that was considered was to perform the work with City owned equipment and staff. The existing City owned equipment is undersized to complete this type of excavation and is not adequate to complete the work during winter months.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"original signed by"

"original signed by"

Steve Burnett
Manager of Environmental Services

Christopher W. Oslund
City Manager

City of Temiskaming Shores
PWO-RFQ-010-2018

Equipment Rental – Excavator

Form of Quotation

Each Quotation should contain the legal name under which the Bidder carries on business, telephone number and fax number, mailing address as well the name or names of appropriate contact personnel which the City may consult regarding the Quotation.

We, the undersigned, have carefully examined the attached documents and conditions of the Quotation.

We, the undersigned, understand and accept those specifications, conditions, and details as described herein, and, for these rates/prices offer to furnish all equipment, labour, apparatus and documentation as are required to satisfy this Quotation.

NOTE: All portions of "Form of Quotation" must be accurately and completely filled out.

Item	Description	Make, Model and Operating Weight	Unit	Daytime Rate Monday-Friday	After hour Rate Nights/Stat Holiday/Weekend
1	Float time	Mack	Hour	\$145.00	\$185.00
2	Work Time including breaker attachment	Cat 320D 21,000 kg.	Hour	\$235.00	\$275.00
3	Excavation Time	Cat 320D	Hour	\$140.00	\$180.00

Pricing shall exclude applicable taxes but will be considered extra.

2021 / 2022

A.P.

This is page 1 of 7 to be submitted

Subject: Memorial Bench and Tree Policy

Report No.: RS-010-2020

Agenda Date: November 17, 2020

Attachments

1. Appendix 1 – Draft Memorial Bench and Tree Policy (**Please refer to By-law No. 2020-114**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-010-2020;
2. That Council directs staff to repeal by-law 2013-088 and to prepare the necessary by-law to adopt a Memorial Bench and Tree Policy for consideration at the regular meeting of Council of November 17, 2020.

Background

The City of Temiskaming Shores Recreation Department operates a Memorial Bench and Tree Program which allows the public to purchase memorial items for installation within city parks and greenspaces. The program currently operates under By-Law 2013-088 however it was first implemented by the Town of New Liskeard as a way to commemorate the Town's 100th anniversary. Since 2013 the program has continued with yearly installations of benches and trees throughout the municipality. Staff have undertaken a review of the program to ensure it reflects how operations are handled today and to introduce different procedures to ensure the project is sustainable into the future.

Today, if someone would like to purchase a memorial bench or tree, they would contact admin staff and discuss their options of different items they could purchase. City staff determine an estimate for the item and installation before confirming the amount with the purchaser. After receiving confirmation from the purchaser, they sign a 1-page agreement and the City bills them for the agreed amount. Once the item arrives, City staff arrange final installation. Recreation staff provide maintenance to the memorial items with some being maintained by family, friends or private contractors.

Currently, intake for the program is paused pending a review and update of the policy.

The draft policy was presented to the Recreation Committee at their meeting on November 9, 2020 and the following recommendation was passed:

Recommendation RS-2020-55

Be it resolved that:

The Recreation Committee hereby acknowledges receipt of the updated Memorial Bench and Tree Policy and further recommends that the policy be presented to Council for adoption.

CARRIED

Analysis

The current policy is inefficient and lacks some key details which has increasingly caused issues for staff to administer. The program is still quite popular with multiple requests received each month throughout the summer.

The proposed changes to the policy have been developed after seeking input from various staff members and with review from the Recreation Committee. Notable changes include moving to a flat rate cost to the public for memorial items, creating a single intake period at the beginning of each year for requests for memorial items, updating minimum standards for trees and benches, and definition of specific placement areas for benches.

By implementing this policy, it will allow staff to more efficiently administer this program while still allowing for the public to place memorial items within the City. It will also ensure that more costs of the program are covered by the purchaser rather than the city as per the current policy.

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Material costs for the Bench and Tree program are currently setup to always break even with the actual costs passed along to the purchaser and staff time a responsibility of the City. If adopted, the new policy will allow for a small surplus on equipment costs which will help offset the staff time necessary to process and install the items.

Alternatives

1. Council could direct staff to continue the current program as per by-law 2013-088.
2. Council could repeal By-law 2018-088 without a replacement thereby ending the program.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

Mathew Bahm
Director of Recreation

Christopher W. Oslund
City Manager

The Corporation of the City of Temiskaming Shores

By-law No. 2020-111

Being a by-law to authorize the entering into a lease agreement with Dr. Peter Hutten-Czapski for the rental of space at the Haileybury Medical Centre

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues;

And whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act;

And whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public;

Whereas Council for the City of Temiskaming Shores reviewed Administrative Report No. CS-042-2020 at the November 17th, 2020 meeting and directed staff to prepare the necessary by-law to enter into a three-year lease agreement with Dr. Peter Hutten-Czapski for the rental of 648 ft² of office space at the Haileybury Medical Center effective January 1, 2021 until December 31, 2024;

And whereas the Council of The Corporation of the City of Temiskaming Shores deems it desirable to enter into an Agreement with the Dr. Hutten-Czapski.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into an Agreement with the Dr. Hutten-Czapski for the rental of space at the Haileybury Medical Centre, a copy of which is attached hereto as Schedule "A" and forming part of this by-law;
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make any minor modifications or corrections of an administrative, numerical, grammatical, semantically or descriptive nature or kind to the by-law and schedule as may be deemed necessary after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 17th day of November, 2020.

Mayor – Carman Kidd

Clerk – Logan Belanger



Schedule A to
By-law No. 2020-111
Agreement between
The Corporation of the City of Temiskaming Shores
and
Dr. Peter Hutten-Czapski
for the rental of space at the
Haileybury Medical Center

Lease Agreement

between

The Corporation of the City of Temiskaming Shores

and

Dr. Peter Hutten-Czapski

Lease

Shelly Zubych
Director of Corporate Services
The Corporation of the City of Temiskaming Shores
P.O. Box 2050
Haileybury, Ontario
P0J 1K0

This Lease made this 17th day of November, 2020

Between:

The Corporation of the City of Temiskaming Shores
(hereinafter called the "Lessor")

And:

Dr. Peter Hutten-Czapski
(hereinafter called the "Lessee")

Whereas the Lessor is the owner of the lands described as follows: Part Lot 13 and Part Lot 137, Concession 3, as shown on Plan M-58, Parcel 19899SST in the City of Temiskaming Shores, District of Timiskaming, in the Province of Ontario, (hereinafter called the "Land"), and there is located on the Lands a building (hereinafter called the "Building"), having an entrance off Meridian Avenue in the City of Temiskaming Shores, in the Province of Ontario.

And whereas the parties hereto have agreed to enter into this Lease.

1. Leased Premises

The Lessor hereby demises and leases to the Lessee part of the **upper level** in the Lessor's Building containing a rentable area of six hundred forty-eight square feet (648 sq.ft.), located at 95 Meridian Avenue, City of Temiskaming Shores, Ontario being hereinafter called the "premises".

2. Ingress and Egress

Together with the right of ingress and egress for the Lessee's employees, servants, agents, customers, and invitees, and the use of parking areas, driveways, sidewalks, common loading and stopping areas in and about the Lands and Building (hereinafter called the "common areas").

3. Term

To hold the premises for a term commencing on the 1st day of January, 2021 and ending on the 31st day of December 2024.

4. Rent

And paying therefore, to the Lessor, subject to the provisions of this Lease, the sum of **Seven hundred sixty-one dollars and forty cents (\$761.40) per month plus HST**, for year one (1). A two-percent (2%) increase will be applied to the rental rate effective January 1st of each year of the term. Rent is payable to the City of Temiskaming Shores and due on the first day of each and every month

during the term hereof. Such payment to be mailed to P.O. Box 2050 Haileybury, Ontario P0J 1K0.

And the parties hereto covenant and agree as follows:

5. Tenant's Covenants

The Tenant covenants with the Landlord:

- a) Rent** - to pay rent;
- b) Telephone** - to pay when due the cost of the telephone and intercom services supplied to the premises;
- c) Repair** - to repair, reasonable wear and tear and damage by fire, lightning and tempest only excepted; and to permit the Landlord to enter and view the state of repair and to repair according to notice in writing, reasonable wear and tear and damage by fire, lightning and tempest only excepted; and to leave the premises in good repair, reasonable wear and tear and damage by fire, lightning and tempest only excepted;
- d) Cost of repair where Tenant at fault** - that if the building including the premises, boilers, engines, pipes and other apparatus (or any of them) used for the purpose of heating or air conditioning the building, or if the water pipes, drainage pipes, electric lighting or other equipment of the building or the roof or outside walls of the building get out of repair or become damaged or destroyed through the negligence, carelessness or misuse of the Tenant, his servants, agents, employees or anyone permitted by him to be in the building (or through him or them in any way stopping up or injuring the heating apparatus, water pipes, drainage pipes, or other equipment or part of the building) the expense of any necessary repairs, replacements or alterations shall be paid by the Tenant to the Landlord forthwith on demand;
- e) Assigning or subletting** - not to assign, sublet or part with possession of any part of the premises without leave of the Landlord, which leave shall not be unreasonably withheld, and which leave shall not be required in the event of a sublease to add any personnel to the group comprising the Tenant or to a management corporation which may be incorporated by the Tenant;
- f) Entry by Landlord** - to permit the Landlord or its agents to enter upon the premises at any time and from time to time for the purpose of inspecting and making repairs, alterations or improvements to the premises or to the building, and the Tenant shall not be entitled to compensation for any inconvenience, nuisance, or discomfort occasioned thereby; provided that the Landlord shall give reasonable advance notice to avoid inconvenience

- to the Tenant, given the private and confidential nature of the profession of the Tenant;
- g) Indemnity** - to indemnify and save harmless the Landlord against and from any and all claims by or on behalf of any person or persons, firm or firms, or corporation or corporations arising from the conduct or any work, by or through any act of negligence of the Tenant or any assignee, subtenant, agent, contractor, servants, employee or licensee of the Tenant;
 - h) Exhibiting premises** - to permit the Landlord or its agents to exhibit the premises to prospective Tenants between the hours of 9:00 a.m. and 11:00 p.m. during the last month of the term;
 - i) Alterations** - not to make or erect in or to the premises any installation, alteration, addition, or partition without submitting plans and specifications to the Landlord and obtaining the Landlord's prior written consent (in each instance); such work shall if the Landlord so elects, be performed by employees of or contractors designated by the Landlord; in the absence of such election, such work may be performed with the Landlord's consent in writing (given prior to letting of contract) by contractors engaged by the Tenant but in each case only under written contract approved in writing by the Landlord and subject to all conditions which the Landlord may impose; the Tenant shall submit to the Landlord or the Tenant's contractors (as the case may be), when due the costs of all such work and of all materials, labour and services involved therein and of all decoration and all changes in the building, its equipment or services, necessitated thereby; provided, that it is at this time understood by the Landlord that certain equipment is to be installed and to be placed at convenient places as designated by the Tenant;
 - j) Name of building** - not to refer to the building by any other name other than that designated from time to time by the Landlord nor use the name of the building for any purpose except as the business address of the Tenant;

6. Landlord's Covenants

The Landlord covenants with the Tenant;

- a) Quiet enjoyment** - for the quiet enjoyment;
- b) Taxes** - to pay all taxes and rates, municipal, parliamentary or otherwise, levied against the premises or the Landlord on account thereof;
- c) Air conditioning** - to install and operate air conditioning units to air condition the premises at the expense of the Landlord;

- d) **Electricity and water** - to pay for the electricity and water supplied to the premises;
- e) **Janitor service** - to cause, when reasonably necessary, given the professional nature of the Tenant's use of the premises, (from time to time) the floors and windows of the premises to be vacuumed, swept and cleaned and the desks, tables and other furniture of the Tenant to be dusted, but (with the exception of the obligation to cause the work to be done) the Landlord shall not be responsible for any act or omission or commission on the part of the person or persons employed to perform such work, provided vacuuming, sweeping and dusting to be done daily five days of the week;
- f) **Heat** - to heat the premises;
- g) **Structural soundness** - to keep the premises, common areas and parking lot structurally sound and to look after any structural defects which may arise;

7. Provisos

Provided always and it is hereby agreed as follows:

- a) **Fixtures** - The Tenant may remove his fixtures, but all installations, alterations, additions, partitions and fixtures except trade or Tenant's fixtures in or upon the premises, whether placed there by the Tenant or by the Landlord, shall be the Landlord's property without compensation therefore to the Tenant and shall not be removed from the premises at any time (either during or after the term);
- b) **Fire** - In case of damage to the premises by fire, lightning or tempest, rent shall cease until the premises are rebuilt; and the Landlord, instead of rebuilding or making the premises fit for the purpose of the Tenant, may at its option terminate this lease on giving to the Tenant within thirty days after such fire, lightning or tempest, notice in writing of its intention (so to do) and thereupon rent and any other payments for which the Tenant is liable under this lease shall be apportioned and paid to the date of such fire, lightning or tempest, and the Tenant shall immediately deliver up possession of the premises to the Landlord;
- c) **Damage to property** - The Landlord shall not be liable nor responsible in any way for any loss of or damage or injury to any property belonging to the Tenant or to the employees of the Tenant or to any other person while in the building or in the yard of the building unless such loss, damage or injury shall be caused by the negligence of the Landlord or its employees, servants or agents for any damage to any such property caused by steam, water, rain or snow which may leak into, issue or flow from any part of the building or from the water, steam or drainage of the building or from any

other place or quarter nor for any damage caused by or attributable to the condition or arrangement of any electric or other wiring omitted by any other Tenant;

- d) Impossibility of performance** - It is understood and agreed that whenever and to the extent that the Landlord shall be unable to fulfill, or shall be delayed or restricted in fulfilling any obligation hereunder for the supply or provision of any service or utility or the doing of any work or the making of any repairs because it is unable to obtain the material, goods, equipment, service, utility or labour required to enable it to fulfill such obligations or by reason of any statute, law or order-in-council or any regulation or order passed or made pursuant thereto or by reason of the order or direction of any administrator, controller or board, or any government department or officer or other authority, or by reason of not being able to obtain any permission or authority required thereby, or by reason of any other cause beyond its control whether of the foregoing character or not, the Landlord shall be relieved from the fulfillment of such obligation and the Tenant shall not be entitled to compensation for any inconvenience, nuisance or discomfort thereby occasioned;
- e) Default of Tenant** - If the rent reserved or any part thereof shall not be paid on the day appointed for payment, whether lawfully demanded or not, or in case of breach or non-observance or non-performance of any of the covenants or agreements or rules or regulations herein contained or referred to on the part of the Tenant to be observed and performed, or in case the premises shall be vacated or remain unoccupied or in case the term shall be taken in execution or attachment for any cause whatsoever, (and in every such case) the Landlord shall be entitled thereafter to enter (into and) upon the premises (or any part thereof in the name of the whole) and the same to (have again), repossess and enjoy as of its former estate, anything herein contained to the contrary notwithstanding;
- f) Bankruptcy of Tenant** - In case without the written consent of the Landlord the premises shall remain vacant or not used for the period of fifteen days or be used by any other person than the Tenant or for any other purpose than that for which they were let or in case the term or any of the goods and chattels of the Tenant shall at any time be seized in execution or attachment by any creditor of the Tenant or if the Tenant shall make any assignment for the benefit of creditors or any bulk sale of any act (now or hereafter in force) for bankrupt or insolvent debtors (or if the Tenant is a company any order shall be made for the winding up of the Tenant), then in any such case this lease shall at the option of the Landlord cease and terminate and the term shall immediately become forfeited and void and the current month's rent and the next ensuing three month's rent shall immediately become due and payable and the Landlord may re- enter and take possession of the premises as though the Tenant or other occupant (or occupants) of the

premises was (or were) holding over after the expiration of the term without any right whatever;

- g) Distress** - The Tenant waives and renounces the benefit of any present or future statute taking away or limiting the Landlord's right of distress, and covenants and agrees that notwithstanding any such statute none of the goods and chattels of the Tenant on the premises at any time during the term shall be exempt from levy by distress for rent in arrears;
- h) Right of re-entry** - On the Landlord's becoming entitled to re-enter the premises under any of the provisions of this lease, the Landlord in addition to all other rights may do so as the agent of the Tenant, using force if necessary, without being liable for any prosecution therefore, and may re-let the premises as agent of the Tenant, and receive the rent therefore, and as agent of the Tenant may take possession of any furniture or other property on the premises and sell the same at a public or private sale without notice and apply the proceeds of such sale and any rent derived from re-letting the premises upon account of rent under this lease, and the Tenant shall be liable to the landlord for any deficiency;
- i) Right of termination by the Tenant** - The lease may be terminated for any valid operational reason with the consent of both parties and upon payment of **three months** rent in lieu of notice.
- j) Right of termination by the Landlord** - On the Landlord's becoming entitled to re-enter the premises under any of the provisions of this lease, the Landlord, in addition to all other rights, shall have the right to terminate this lease forthwith by leaving upon the premises notice in writing of its intention, and thereupon rent and any other payments for which the Tenant is liable under this lease shall be computed, apportioned and paid in full to the date of such termination, and the Tenant shall immediately deliver up possession of the Premises to the Landlord, and the Landlord may re-enter and take possession of the premises;
- k) Non-waiver** - Any condoning, excusing or overlooking by the Landlord of any default, breach or non-observance by the Tenant at any time in respect of any covenant, provision or condition herein contained shall not operate as a waiver of the Landlord's rights hereunder in respect of any subsequent default, breach or non-observance, and shall not defeat or affect in any way the rights of the Landlord herein in respect to any default, breach or non-observance by the Landlord, mutatis mutandis.
- l) Over-holding** - If the Tenant shall continue to occupy the premises after the expiration of this lease with or without the consent of the Landlord, and without any further written agreement, the Tenant shall be a monthly Tenant at the monthly rental herein mentioned and on the terms and conditions herein set out except as to length of tenancy.

- m) Arbitration** - Any dispute between the parties hereto arising out of the provision of this lease shall be referred to the arbitration of three persons, one to be appointed by each of the parties hereto and the third to be chosen by the two so appointed. If either of the parties fails to appoint an arbitrator for 15 days after the one party has appointed an arbitrator and has notified the other party in writing of the appointment and of the matter in dispute to be dealt with, the decision of the arbitrator appointed by the first of such parties shall be final and binding on both of the parties hereto. If the two arbitrators appointed by the parties hereto fail to agree upon a third arbitrator for 15 days after the appointment of the second arbitrator, either party hereto may apply on 15 days' notice (written) giving the order to a Judge of the District Court of the District of Timiskaming as a *persona designata* to appoint such third arbitrator. The said Judge, upon proof of such failure of appointment and of the giving of such notice, may forthwith appoint an arbitrator to act as such third arbitrator. If any arbitrator refuses to act or is incapable of acting or dies, a substitute for him may be appointed in the manner herein before provided. The decision of the three arbitrators so appointed, or a majority of them, shall be final and binding upon the parties hereto. All costs and expenses of any such arbitration shall be borne by the parties hereto equally;
- n) Subordination** - This lease and everything herein contained shall be postponed to any charge or charges now or from time to time hereafter created by the Landlord in respect of the premises by way of institutional mortgage or mortgages and to any extension, renewal, modification, consolidation or replacement thereof, and the Tenant covenants that it will promptly at any time during the term hereof as required by the Landlord give all such further assurances to this provision as may be reasonably required to evidence and effectuate this postponement of its rights and privileges hereunder to the holders of any such charge or charges. The Tenant further covenants on demand at any time to execute and deliver to the Landlord at the Landlord's expense any and all instruments which may be necessary or proper to subordinate this lease and the Tenant's rights hereunder to the lien or liens of any such extension, renewal, modification, consolidation, replacement or new mortgage or mortgages, and the Tenant hereby irrevocably constitutes and appoints the Landlord as its attorney with full power and authority to execute any necessary documents in the implementation hereof for and on behalf of the Tenant and any assumption of this lease by any assignee of the Tenant named herein shall in itself include this provision so that the assignee assuming this lease does thereby irrevocably constitute and appoint the Landlord as its attorney with full power and authority to execute any necessary documents in the implementation hereof for or on behalf of the said assignee;
- o) Notice** - Any notice required or contemplated by any provision of this lease shall be deemed sufficiently given if contained in writing enclosed in a

sealed envelope addressed, in the case of notice of the Landlord, to it, at c/o Corporate Services, 325 Farr Drive, P.O. Box 2050, Haileybury, Ontario. P0J 1K0, and in the case of notice to the Tenant, to the premises and deposited in one of Her Majesty's post offices in Haileybury, Ontario, registered and prepaid. The date of receipt of such notice shall be the fourth day next following the date of so mailing by registered mail. Provided that either party may, by notice to the other, designate another address in Canada to which notices mailed or delivered more than ten days thereafter shall be addressed.

8. Headings

The headings in this lease have been inserted as a matter of convenience and for reference only and in no way define, limit or enlarge the scope or meaning of this lease or any provisions hereof.

9. Effect of Lease

This lease and everything herein contained, shall extend to and bind and may be taken advantage of by the heirs, executors, administrators, successors and assigns, as the case may be, of each (and every) of the parties hereto, and where there is more than one Tenant or there is a female party or a corporation, the provisions hereof shall be read with all grammatical changes thereby rendered necessary and all covenants shall be deemed joint and several.

Remainder of this page left intentionally blank

In witness whereof the Party of the First Part has hereunto affixed its corporate seal attested by the hands of its duly authorized officers, and the Party of the Second Part has hereunto set its hand and seal by execution under seal by each and every individual comprising the Party of the Second Part.

Signed, Sealed and Delivered in the presence of:

The Corporation of the City of Temiskaming Shores

325 Farr Drive
P.O. Box 2050
Haileybury, Ontario
P0J 1K0

Mayor – Carman Kidd

Clerk – Logan Belanger

Dr. Peter Hutten Czapski

95 Meridian Avenue
P.O. Box 2010
Haileybury, Ontario
P0J 1K0

Dr. Peter Hutten Czapski

The Corporation of the City of Temiskaming Shores

By-law No. 2020-112

Being a by-law to adopt an Emergency Management Program for the Protection of Public Safety, Health, the Environment, the Critical Infrastructure and Property, and to promote economic stability and a Disaster-resilient Community

Whereas Section 2.1 (1) of the Emergency Management Act, 1990 (hereinafter referred to as the Act) requires every municipality to develop and adopt by by-law an Emergency Management Program; and

Whereas Section 2.1 (2) states that the Emergency Management Program shall consist of:

- a) an emergency plan as required by Section 3 of the Act;
- b) training programs and exercises for employees of the municipality and other persons with respect to the provision of necessary services and the procedures to be followed in emergency response and recovery activities;
- c) public education on risks to public safety and on public preparedness for emergencies; and
- d) any other element required by the standards for emergency management programs set under Section 14 of the Act; and

Whereas the Act makes provision for the Head of Council to declare that an emergency exists in the community or in any part thereof, and also provides the Head of Council with authority to take such action or make such orders as he/she considers necessary and not contrary to law, to implement the emergency response plan and respond to an emergency; and

Whereas the Act requires that a copy of the emergency response plan be submitted to Emergency Management Ontario; and

Whereas the Act provides for the designation of one or more members of council who may exercise the powers and perform the duties of the Head of Council during his/her absence or his/her inability to act; and

Whereas the Act authorizes employees of a community to respond to an emergency in accordance with the emergency response plan where an emergency exists but has not yet been declared to exist; and

Whereas Council considered Administrative Report No. CS-043-2020 at the November 17, 2020 Regular Council meeting and directed staff to prepare the necessary by-law to adopt an Emergency Management Program, and repeal By-law No. 2004-132 as amended, for consideration at the November 17, 2020 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores enacts as follows:

1. That an Emergency Management Program be developed and implemented in accordance with the standards published by Emergency Management Ontario in accordance with international best practices.
2. That the Head of Council or designated alternate, as provided in the plan, be empowered to declare an emergency and implement the emergency response plan.
3. That certain appointed officials or their designated alternates, as provided in the approved community emergency response plan are empowered to cause an emergency notification to be issued to members of the Community Control Group, and to respond to an emergency in accordance with the emergency response plan where an emergency exists but has not yet been declared to exist.
4. That the Emergency Management Program Committee will cause the emergency management program to be reviewed annually and to recommend changes to the program as considered appropriate and refer recommendations to Council for further review and approval; and
5. That the emergency response plan attached hereto as Schedule "A" of this By-law is hereby adopted.
6. That By-law Number 2004-132 and all amendments thereto are repealed in their entirety upon the coming into effect of this By-law.
7. That the Clerk of the City of the City of Temiskaming Shores is hereby authorized to make any minor modifications or corrections of an administrative, numerical, grammatical, semantical or descriptive nature or kind to the by-law and schedule as may be deemed necessary after the passage of this by-law.

Read a first, second and third time and finally passed this 17th day of November, 2020.

Mayor – Carman Kidd

Clerk – Logan Belanger



Schedule “A” to

By-law No. 2020-112

City of Temiskaming Shores Emergency Response Plan

Amendments:

By-law No. 2020-112

November 17, 2020

Original By-law

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1. SECTION ONE

1.1. Introduction

Emergencies are defined as situations or impending situations that constitute a danger of major proportions that could result in serious harm to persons or substantial damage to property and that is caused by the forces of nature, a disease or other health risk, an accident or an act whether intentional or otherwise. They affect public safety, meaning the health, welfare and property, as well as the environment and economic health of the City of Temiskaming Shores. The population of the City of Temiskaming Shores is 9,920 residents.

While a variety of emergencies could occur within the City of Temiskaming Shores, those most likely to occur include:

- Forest/Wildland fires;
- Urban floods;
- Severe summer storms (high winds, heavy rain, lightning, damaging hail, tornado);
- Earthquakes;
- The City is also vulnerable to non-natural emergencies such as interruptions to energy/oil/natural gas supplies;
- Building/structural collapse;
- Major transport and/or industrial accidents which may involve hazardous materials;
- The City is also conscious of the threats of human health emergencies (communicable diseases and epidemics).

The hazards and risks to the City of Temiskaming Shores are outlined in detail in the City's Hazard Identification and Risk Assessment. In order to protect residents, businesses and visitors, the City of Temiskaming Shores requires a coordinated emergency response by a number of agencies under the direction of the Municipal Emergency Control Group. These are distinct arrangement and procedures from the normal day-to-day operations carried out by emergency services.

The City of Temiskaming Shores Emergency Management Program Committee developed this emergency response plan. Every official,

municipal department and agency must be prepared to carry out assigned responsibilities in an emergency.

The response plan has been prepared to provide key officials, agencies and departments of the City of Temiskaming Shores with important information related to:

- Arrangements, services and equipment; and
- Roles and responsibilities during an emergency.

In addition, it is important that residents, businesses and interested visitors be aware of its provisions. Copies of the City of Temiskaming Shores Emergency Response Plan may be viewed at City Hall, Public Libraries and on the City's Web Site.

1.2. Community Emergency Management Coordinator (CEMC)

For more information, please contact:

Shelly Zubyyck

Community Emergency Management Coordinator
City of Temiskaming Shores
P.O. Box 2050
Haileybury, Ontario
P0J 1K0
(705) 647-3363 ext. 4107

2. SECTION TWO

2.1 Aim

The aim of this plan is to make provision for the extraordinary arrangements and measures that may have to be made to protect the health, safety and welfare, environment and economic health of the residents, businesses and visitors of the City of Temiskaming Shores when faced with an emergency situation.

The aim of this plan is also to enable a centralized controlled and coordinated response to emergencies in the City of Temiskaming Shores, and meet the legislated requirements of the ***Emergency Management and Civil Protection Act***. For further details, please contact the Community Emergency Management Coordinator.

2.2 Authority

The *Emergency Management and Civil Protection Act (EMCPA)* is the legal authority for this emergency response plan in Ontario.

The (*EMCPA*) states that:

"Every municipality shall formulate an emergency plan governing the provision of necessary services during an emergency and the procedures under and the manner which employees of the municipality and other persons will respond to the emergency and the council of the municipality shall by by-law adopt the emergency response plan." [Section 3(1)]

"The head of council of a municipality may declare that an emergency exists in the municipality or in any part thereof and may take such action and make such orders as he or she considers necessary and are not contrary to law to implement the emergency plan of the municipality and to protect property and the health, safety and welfare of the inhabitants of the emergency area." [Section 4(1)]

As enabled by the *Emergency Management and Civil Protection Act*, this emergency response plan and its elements have been:

- Issued under the authority of *City of Temiskaming Shores By-law 2004-132*; and
- Filed with Ministry of Community Safety and Correctional Services, Office of the Fire Marshal and Emergency Management.

2.3 Definition of an Emergency

The *EMCPA* defines an emergency as:

"A situation or an impending situation that constitutes a danger of major proportions that could result in serious harm to persons or substantial damage to property and that is caused by the forces of nature, a disease or other health risk, an accident or an act whether intentional or otherwise."

The Emergency Operation Centre (EOC) can be activated for any emergency for the purposes of managing the emergency, by maintaining services to the community and supporting the emergency site.

2.4 Action Prior to Declaration

When an emergency exists but has not yet been declared to exist, municipal employees may take such action(s) under this emergency plan as may be required to protect property and the health, safety and welfare of the residents of the City of Temiskaming Shores.

3. SECTION THREE

3.1 Emergency Notification Procedures

Only a member of the City of Temiskaming Shores Municipal Emergency Control Group (MECG) may initiate the notification procedure.

When a member of the MECG receives a warning of a real or potential emergency, that member will immediately contact the Community Emergency Management Coordinator (CEMC) or his/her Alternate, to request that the Emergency Response Plan be activated and the MECG notified.

The member initiating the call must provide pertinent details (e.g., - a time and place for the MECG to meet) as part of the notification procedure. Upon notification of the emergency, the CEMC, CEMC Alternate or other designated City Staff will notify all members of the MECG.

Upon being notified, it is the responsibility of all MECG officials to notify their staff and volunteer organizations. Where a threat of an impending emergency exists, the MECG will be notified and placed on standby.

3.2 Requests for Assistance

Assistance may be requested from the Province of Ontario at any time without any loss of control or authority. A request for assistance should be made by contacting Emergency Management Ontario.

3.3 Procedure for Declaring an Emergency

The Mayor or in his absence the Acting Mayor of the City of Temiskaming Shores, as Head of Council, is responsible for declaring an emergency. This decision is usually made in consultation with other members of the MECG. Upon declaring an emergency, the Mayor or Acting Mayor will notify:

- Office of the Fire Marshal and Emergency Management;
 - City Council;
 - Public attached hereto an ANNEX "B";
 - Neighboring community officials, as required;
 - Local Member of the Provincial Parliament (MPP);
 - Local Member of Parliament (MP).
-

3.4 Termination of a Community Emergency

The Mayor, Acting Mayor, City Council or Premier of Ontario may declare the municipal emergency terminated. This decision is usually made in consultation with other members of the MECG. When terminating an emergency, the Mayor will notify:

- Office of the Fire Marshal and Emergency Management;
- City Council;
- Public attached hereto an ANNEX "B";
- Neighboring community officials, as required;
- Local Member of the Provincial Parliament (MPP);
- Local Member of Parliament (MP).

4. SECTION FOUR

4.1 Emergency Operations Centre (EOC)

The members of the MECG will report to the EOC as designated by Municipal Council.

4.2 Municipal Emergency Control Group (MECG)

The emergency response will be directed and controlled by the MECG. The MECG is a group of officials who are responsible for coordinating the provision of the essential services necessary to minimize the effects of an emergency on the community. The MECG consists of the following officials:

1. Mayor;
 2. City Manager, who becomes the Operations Officer in the EOC;
 3. Municipal Clerk/ Emergency Information Coordinator;
 4. Community Emergency Management Coordinator;
 5. Fire Chief;
 6. Manager of Environmental Services
 7. Director of Recreation;
-

8. Director of Corporate Services;
9. Deputy Clerk;
10. I.T. Administrator.

Additional personnel called or added to the MCEG may include:

- Superintendent of Community Programs;
- Treasurer;
- Chief Building Official;
- Office of the Fire Marshal and Emergency Management Representative/s;
- Ontario Provincial Police Representative/s;
- Emergency Medical Services Representative/s;
- Public Health Representative/s;
- Social Services Representative/s;
- Liaison staff from provincial ministries;
- Any other officials, experts or representatives from the public or private sector as deemed necessary by the MCEG.

The MCEG may function with only a limited number of persons depending upon the emergency. While the MCEG may not require the presence of all the people listed as members of the control group, all members of the MCEG and, Emergency Medical Services, Ontario Provincial Police, and Timiskaming Health Unit must be notified.

4.3 Operating Cycle

Members of the MCEG will gather at regular intervals to inform each other of actions taken and problems encountered. The City Manager will establish the frequency of meetings and agenda items. Meetings will be kept as brief as possible thus allowing members to carry out their individual responsibilities. The City Manager's Assistant will maintain status boards and maps, which will be prominently displayed.

4.4 Municipal Emergency Control Group Responsibilities

The members of the MECG are likely to be responsible for the following actions or decisions:

- Calling out and mobilizing their emergency service, agency and equipment;
 - Coordinating and directing their service and ensuring that any actions necessary for the mitigation of the effects of the emergency are taken, provided they are not contrary to law;
 - Determining if the location and composition of the MECG are appropriate;
 - Advising the Mayor as to whether the declaration of an emergency is recommended;
 - Advising the Mayor on the need to designate all or part of the City as an emergency area;
 - Ensuring that an Emergency Site Manager (ESM) is appointed;
 - Ensuring support to the ESM by offering equipment, staff and resources, as required;
 - Ordering, coordinating and/or overseeing the evacuation of inhabitants considered being in danger;
 - Discontinuing utilities or services provided by public or private concerns, i.e. hydro, water, gas, closing down a shopping plaza/mall;
 - Arranging for services and equipment from local agencies not under community control i.e. private contractors, industry, volunteer agencies, service clubs;
 - Notifying, requesting assistance from and/or liaison with various levels of government and any public or private agencies not under community control, as considered necessary;
 - Determining if additional volunteers are required and if appeals for volunteers are warranted;
 - Determining if additional transport is required for evacuation or transport of persons and/or supplies;
-

- Ensuring that pertinent information regarding the emergency is promptly forwarded to the Emergency Information Coordinator and Citizen Inquiry Supervisor, for dissemination to the media and public;
- Determining the need to establish advisory groups and/or sub-committees, working groups for any aspect of the emergency including recovery;
- Authorizing expenditure of money required for dealing with the emergency;
- Notifying the service, agency or group under their direction, of the termination of the emergency;
- Maintaining a log outlining decisions made and actions taken, and submitting a summary of the log to the City Manager within one week of the termination of the emergency, as required;
- Participating in the debriefing following the emergency.

5. SECTION FIVE

5.1 Municipal Emergency Control Group Individual Responsibilities

1. Mayor

The Mayor is responsible for:

- Providing overall leadership in responding to an emergency;
 - Declaring an emergency within the designated area;
 - Declaring that the emergency has terminated (Note: Council may also terminate the emergency);
 - Notifying the Office of the Fire Marshal and Emergency Management, of the declaration of the emergency, and termination of the emergency, and are kept informed of the emergency situation.
 - Ensuring the members of Council are advised of the declaration and termination of an emergency, and are kept informed of the emergency;
 - Maintain a personal log of all actions taken.
-

2. City Manager / Operations Officer

The City Manager for the City of Temiskaming Shores becomes the Operations Officer and is responsible for:

- Chairing all meetings of the MCEG.
- Depending on the nature of the emergency, activating the emergency notification system through the CEMC;
- Ensuring liaison with the Senior Police Official regarding security arrangements for the EOC.
- As the Operations Officer, coordinating operations within the Emergency Operations Centre, including the scheduling of regular meetings;
- Advising the Mayor on policies and procedures, as appropriate;
- Ensuring liaison with the Emergency Information Officer regarding preparing major announcements and media releases, and approving same, in conjunction with the Mayor, in consultation with the MCEG;
- Ensuring that a communications link is established between the MCEG and the Emergency Site Manager (ESM);
- Calling out additional City staff to provide assistance, as required;
- Maintain a personal log of all actions taken.

3. Municipal Clerk / Emergency Information Coordinator

The Municipal Clerk / Emergency Information Coordinator is responsible for:

- Acting as the Emergency Information Coordinator during an emergency. The Emergency Information Coordinator is responsible for the dissemination of news and information to the media for the public (see Annex "A").
 - Providing information and advice on all municipal legislative matters as may be required;
-

- Ensuring that documentation is maintained and kept for future reference including all records of debriefings and post-emergency reports;
- Maintain a personal log of all actions taken.

4. Community Emergency Management Coordinator

The Community Emergency Management Coordinator (CEMC) is responsible for:

- Depending on the nature of the emergency, activating the emergency notification system;
- Activating and arranging the Emergency Operations Centre;
- Ensuring that security is in place for the EOC and registration of MCEG members;
- Ensuring liaison with Senior Police Official(s) regarding security arrangements for the EOC.
- Ensuring that all members of the MCEG have necessary plans, resources, supplies, maps, and equipment;
- Providing advice and clarifications about the implementation details of the Emergency Response Plan;
- Ensuring that the operating cycle is met by the MCEG and related documentation is maintained and kept for future reference;
- Addressing any action items that may result from the activation of the Emergency Response Plan and keeping MCEG informed of implementation needs;
- Maintaining the records and logs for the purpose of debriefings and post-emergency reporting that will be prepared;
- Maintain a personal log of all actions taken.

5. Fire Chief

The Fire Chief is responsible for:

- Depending on the nature of the emergency, activating the emergency notification system through the CEMC;

- Providing the MCEG with information and advise on firefighting and rescue matters;
- Depending on the nature of the emergency, assigning the Emergency Site Manager and informing the MCEG;
- Establishing an ongoing communications link with the senior fire official at the scene of the emergency;
- Initiating mutual aid arrangements for the provision of additional firefighters and equipment, if needed;
- Determining the need for additional or special equipment and recommending possible sources of supply, e.g. breathing apparatus, protective clothing;
- Providing assistance to other community departments and agencies and being prepared to take charge of or contribute to non-firefighting operations if necessary, e.g. rescue, first aid, casualty collection, evacuation;
- Providing an Emergency Site Manager, if required;
- Maintain a personal log of all actions taken.

6. Manager of Environmental Services

The Manager of Environmental Services is responsible for:

- Providing the MCEG with information and advice on engineering and public works matters;
 - Depending on the nature of the emergency, activating the emergency notification system through the CEMC;
 - Depending on the nature of the emergency, assigning the Emergency Site Manager and informing the MCEG;
 - Establishing an ongoing communications link with the senior Public Work's official at the scene of the emergency;
 - Ensuring liaison with the public works representative from the neighbouring community(s) to ensure a coordinated response;
 - Ensuring provision of engineering assistance;
-

- Ensuring construction, maintenance and repair of city roads;
- Providing equipment for emergency pumping operations;
- Ensuring liaison with the Fire Chief concerning emergency water supplies for firefighting purposes;
- Providing emergency potable water, supplies and sanitation facilities to the requirements of the Medical Officer of Health;
- Discontinuing any public works service to any resident, as required, and restoring these services when appropriate;
- Ensuring liaison with public utilities to disconnect any service representing a hazard and/or to arrange for the provision of alternate services or functions;
- Providing public works vehicles and equipment as required by any other emergency services;
- Maintain a personal log of all actions taken.

7. Director of Recreation

The Director of Recreation is responsible for:

- Depending on the nature of the emergency, activating the emergency notification system through the CEMC;
 - Calling out additional city staff to provide assistance as required;
 - Ensuring liaison with representatives from the neighbouring community(s) to ensure a coordinated response for potential use of alternate facilities;
 - Providing overall direction for emergency evacuation centres;
 - Supervising the Evacuation Coordinator;
 - Notifying necessary emergency and community services, as required, and ensuring liaison with community support agencies as directed by the MCEG (e.g. Canadian Red Cross);
 - Providing vehicles and equipment as may be required;
 - Coordinating the use of municipal facilities as may be required by the MCEG;
-

- Maintain a personal log of all actions taken.

8. Director of Corporate Services

The Director of Corporate Services / Human Resources is responsible for:

- Coordinating and processing requests for human resources;
- Coordinating offers of, and appeals for, volunteers with the support of the MCEG;
- Selecting the most appropriate site/s for the registration of human resources;
- Ensuring records of human resources and administrative detail, that may involve financial liability, are completed;
- Ensuring that a Volunteer Registration Form is completed, when volunteers are involved and a copy of the form is retained for city records;
- Ensuring identification cards are issued to volunteers and temporary employees, where practical;
- Arranging for transportation of human resources to and from site/s;
- Obtaining assistance, if necessary, from Services Canada, as well as other government departments, public and private agencies and volunteer groups;
- Maintain a personal log of all actions taken.

9. Deputy Clerk

The Deputy Clerk is responsible for:

- Assisting the City Manager as required;
 - Ensuring all important decisions made and actions taken by the MCEG are recorded;
 - Ensuring that maps and status boards are kept up to date;
-

- Providing a process for registering MCEG members and maintaining a MCEG member list;
- Notifying the required support and advisory staff of the emergency, and the location of the Emergency Operations Centre;
- Initiating the opening, operation and staffing of the switchboard at the community offices, as the situation dictates, and ensuring operators are informed of MCEG members' telephone numbers in the EOC;
- Arranging for printing of material, as required;
- Coordinating for the provision of clerical staff to assist in the Emergency Operations Centre, as required;
- Upon direction by the Mayor, ensuring that all Council are advised of the declaration and termination of declaration of the emergency;
- Upon direction by the Mayor, arranging special meetings of Council, as required, and advising members of Council of the time, date, and location of the meetings;
- Procuring staff to assist, as required;
- Maintain a personal log of all actions taken.

10. I.T. Administrator

The I.T. Administrator is responsible for:

- Activating the emergency notification system of the local amateur radio operators' group, as required;
 - Initiating the necessary action to ensure the telephone systems at the community offices function as effectively as possible, as the situation dictates;
 - Ensuring that the emergency communications centre is properly equipped and staffed, and working to correct any problems which may arise;
 - Maintaining an inventory of municipal and private sector communications equipment and facilities within the municipality, which could, in an emergency, be used to augment existing communication systems;
-

- Making arrangements to acquire additional communications resources during an emergency.

5.2 Support and Advisory Staff Responsibilities

1. Superintendent of Community Programs/Evacuation Coordinator

The Superintendent of Community Programs shall act as the Evacuation Coordinator and is responsible for:

- Under the direction of the Director of Recreation, activating the Municipalities Emergency Evacuation Plan ensuring liaison with the Social Services Representative, and other emergency support agencies as directed by the MEEG (e.g. Canadian Red Cross);
 - Coordination and communication of all emergency evacuation procedures so that in the event of an emergency all personnel are aware of the emergency evacuation procedures;
 - For the coordination of designated shelters and registration for pets;
 - Making arrangements for meals for the staff and registered volunteers at the EOC;
 - Ensuring that a representative of the District School Board Ontario Northeast and the Conseil scolaire catholique de district des Grandes-Rivières are notified of the facilities that are required as evacuee centre(s). Ensure that staff/volunteers at the school facilities take direction from the Board representative(s) with respect to its/their maintenance, use and operation;
 - Support the overall response with agencies (Canadian Red Cross, Salvation Army, Service Clubs etc.) that are/or may be involved in providing support to evacuees, victims, and volunteers;
 - Maintaining detailed documentation on decisions made, actions taken and expenses incurred;
 - Assisting with the recovery process and the restoration services as soon as deemed appropriate;
 - Preparing and submitting a final report containing a review of the operation of evacuation centre's including recommendations on possible alterations to the Emergency Response Plan;
-

- Maintain a personal log of all actions taken.

2. Treasurer

The Treasurer is responsible for:

- Providing information and advice on financial matters as they relate to the emergency;
- Ensuring liaison, if necessary, with the Treasurers/Directors of Finance of neighbouring communities;
- Ensuring that records of expenses are maintained for future claim purposes;
- Ensuring the prompt payment and settlement of all legitimate invoices and claims incurred during an emergency;
- Maintain a personal log of all actions taken.

3. Chief Building Official

The Chief Building Official is responsible for:

- Conducting joint assessments regarding the structural integrity of municipal owned or private buildings;
- Assist the Director of Recreation with the inspection of facilities for sheltering purposes;
- Assist the Director of Recreation with the inspection of City facilities;
- Maintaining a personal log of all actions taken.

4. Legal Services Representative

The Legal Services Representative is responsible for:

- Providing advice to any member of the Municipal Emergency Control Group on matters of a legal nature as they may apply to the actions of the City of Temiskaming Shores in its response to the emergency, as requested;
 - Maintain a personal log of all actions taken.
-

5. Works Clerk

The Works Clerk is responsible for:

- Providing and securing of equipment and supplies not owned by the City of Temiskaming Shores;
- Ensuring liaison with purchasing agents of the neighbouring communities, if necessary;
- Maintaining and updating a list of all vendors (including 24-hour contact numbers) who may be required to provide supplies and equipment;
- Maintain a personal log of all actions taken.

6. Other Agencies

In an emergency, many agencies may be required to work with the Municipal Emergency Control Group such as the following:

- Office of the Fire Marshal and Emergency Management;
- Ontario Provincial Police;
- Medical Officer of Health/Health Representatives;
- Emergency Medical Services;
- Canadian Red Cross;
- Victim Services of Temiskaming & District;
- Other industry, volunteer groups, conservation authorities, and provincial ministries as may be required.

7. District School Boards

The District School Boards are responsible for:

- Providing any school (as appropriate and available) for use as an evacuation or reception centre and a representative(s) to coordinate the maintenance, use and operation of the facilities being utilized as evacuation or reception centres;
-

- Ensuring liaison with the municipality as to protective actions to the schools (i.e. implementing school stay in place procedure and implementing the school evacuation procedure).

8. Timiskaming District Hospital CEO or Designate

The Timiskaming District Hospital CEO is responsible for:

- Implementing the hospital emergency plan;
- Ensuring liaison with the Medical Officer of Health and local ambulance representatives with respect to hospital and medical matters, as required;
- Evaluating requests for the provision of medical site teams/medical triage teams;
- Ensuring liaison with the Ministry of Health and Long-Term Care, as appropriate.

5.3 Relationship between MCEG and Emergency Site Manager (ESM)

Depending on the nature of the emergency, and once the ESM has been assigned, the MCEG relationship with the ESM is to offer support with equipment, staff and other resources, as required. The MCEG will also ensure that the rest of the community maintains municipal services.

5.4 Relationship between ESM and Command and Control Structures of Emergency Responders

The senior representative for each emergency responder (police, fire, EMS) at the site will consult with the Emergency Site Manager, so as to offer a coordinated and effective response. Regular briefings will be held at the site and chaired by the ESM, so as to establish the manner and process by which response to the emergency will be provided.

5.5 Recovery / Restoration Procedures

The recovery phase will begin after the emergency is stabilized. It may take many years for the community to fully recover from the emergency.

If an evacuation has been carried out, evacuees will be allowed to return to their homes as soon as possible once it has been determined that it is safe to do so. Damage estimation and compensation will be done cooperatively with the Province according to provincial guidelines. The Treasurer will prepare a submission detailing all extraordinary expenses incurred by the municipality in responding to the emergency. If any municipal employees

have been injured while responding to the emergency their injuries will be documented and Workplace Safety and Insurance Board informed. Emergency responders and others may need critical incident stress debriefing, grief counseling, etc.

5.6 Post Incident / Exercise Response Evaluation

As soon as is practical, and following the conclusion of any significant emergency event or exercise, the Community Emergency Management Coordinator may conduct a post-incident or exercise review. Such reviews shall be conducted in the form of a meeting or by requesting written inputs from participating departments or agencies regarding problems observed and recommendations for improvements in the Emergency Response Plan, procedures, or training.

The Lead Response Agency (the agency that has the greatest involvement in an incident) may conduct a review of operational activities during an emergency incident or exercise, either as part of a larger overall review or on an individual basis. Reviews may take the form of a meeting or written inputs from member agencies. Participating agencies are expected to provide written or oral comments and recommendations. These will be consolidated into a summary and provided to the Fire Chief and the Community Emergency Management Coordinator for review and possible revision to the Emergency Response Plan.

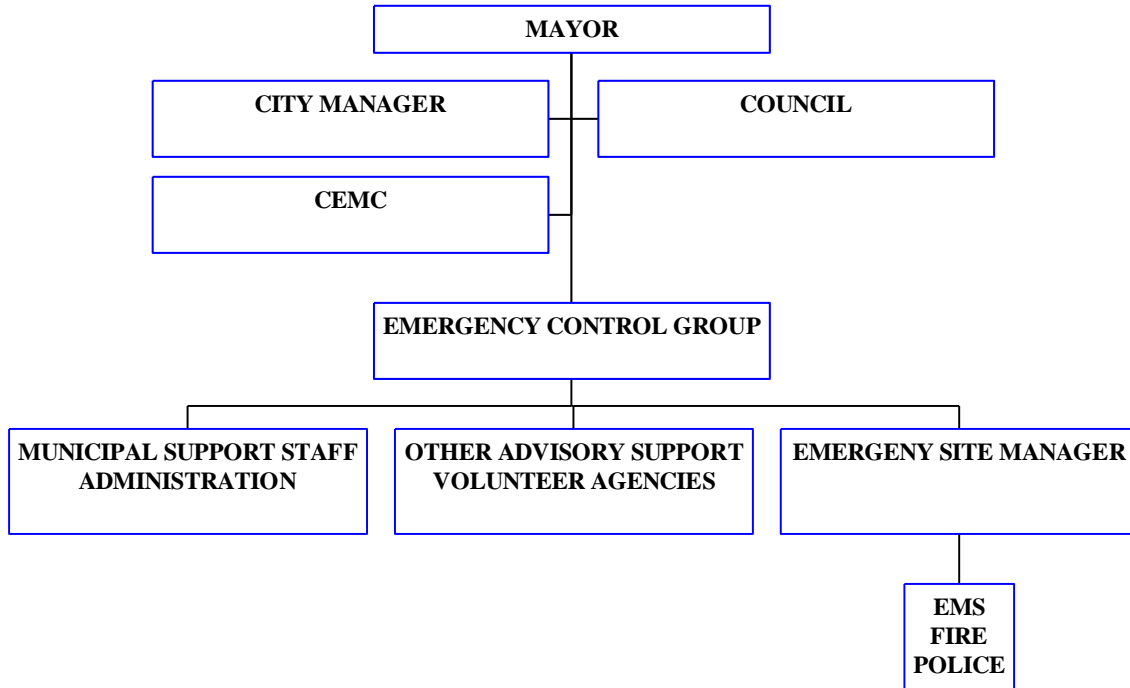
5.7 Plan Maintenance and Revision

This plan will be reviewed annually, and where necessary, revised by a meeting(s) of the Emergency Management Program Committee.

Each time this plan is revised, it must be forwarded to Council for approval. However, revisions to the Appendix can be made without resubmitting the plan to Council each time. Council and all other holders of the plan will be notified of any changes.

It is the responsibility of each person, agency, service or department named within this emergency plan to notify the Community Emergency Management Coordinator, of any revisions.

5.8 City of Temiskaming Shores – Emergency Management Organizational Chart



6. Section Six

6.1 Mutual Aid and Mutual Assistance

The Temiskaming Shores Fire Department participates in a mutual aid agreement with the fire services of all participating municipalities within the Temiskaming District to provide mutual aid for fire suppression, spills, and medical assistance calls.

This agreement may be activated by the Fire Chief of the Temiskaming Shores Fire Department through the Mutual Aid Coordinator at any time without the need to activate the Control Group or implement the City of Temiskaming Shores Emergency Response Plan.

Annex A – Emergency Public Information Plan

General

Upon implementation of this emergency plan, provision will be made to coordinate the release of accurate information to the news media, issue authoritative instructions to the public, and respond to or redirect individual requests for, or reports on, information concerning any aspects of the emergency. These duties will be the responsibility of the Emergency Information Coordinator.

In order to fulfill these functions, it will be necessary to establish Information Centre(s). In addition, the following positions may be required:

- An On-scene Spokesperson;
- An Inquiry Supervisor.

Responsibilities of Emergency Information Coordinator

The Emergency Information Coordinator is the Municipal Clerk and is responsible for:

- Establishing a communication link with the on-scene Spokesperson, the Citizen Inquiry Supervisor and any other media co-ordinator(s) (i.e. provincial, federal, private industry, etc.) involved in the incident, and ensuring that all information released to the media and public is consistent and accurate;
- Ensuring that an information centre(s) is set up and staffed;
- Providing liaison with the Emergency Control Group to obtain up-to-date information for the media releases, co-ordinate individual interviews and organize press conferences;
- Ensuring that the following are advised of the telephone number of the information centre(s):
 - Media
 - Emergency Control Group
 - Switchboards (City and Emergency Services)
 - On-Scene Spokesperson
 - Police Public Relations Officer
 - Neighboring Municipalities
 - Any other appropriate persons, agencies or businesses.

- Ensuring that media releases are approved by the City Manager and/or Municipal Clerk (in consultation with the Municipal Emergency Control Group) prior to dissemination, and distributing hard copies of media releases to the Information Centre(s), the Municipal Emergency Control Group, Citizen Inquiry Supervisor and other key persons handling inquiries from the media;
- Monitoring news coverage, and correcting any erroneous information;
- Maintaining copies of media released and newspaper articles pertaining to the emergency.

Responsibilities of the On-Scene Spokesperson

The On-Scene Spokesperson will be appointed by the Emergency Information Coordinator, as required and is responsible for:

- Coordinating the On-Scene Information Centre in a safe, appropriate location;
- Ensuring that media arriving at the site, are directed to the On-Scene Information Centre;
- Relaying information, to the media and/or public, as released by the Public Information Coordinator;
- Coordinating on-scene interviews between the emergency services personnel and the media as directed by the Emergency Information Coordinator.

Annex B – Notification of Public

In the event that a municipal emergency has been declared, or if the circumstances of an emergency dictate that all citizens be notified immediately, (i.e. evacuation is required), or to warn the public of imminent or unfolding hazards to life and property, the citizens of the City of Temiskaming Shores shall be notified in the following manner: At the direction of the Municipal Emergency Control Group, the local radio station (CJTT) shall be advised of the particulars of the emergency along with the recommended actions for the public to take. The radio station (CJTT) will then transmit this information to the public at frequent intervals and until further advised by the MECG. This information will also be posted on the City’s website, Facebook, Twitter and other social media accounts as directed.

Through the Provincial Emergency Operations Centre (PEOC), the Municipal Emergency Control Group also may request an emergency alert be sent through the Alert Ready system. This system can send life-threatening emergency alerts to targeted cell phones and wireless devices that are compatible with Wireless Public Alerting (WPA) within an area in the City of Temiskaming Shores.

To ensure that all citizens are made aware of this procedure, the notification procedures and other pertinent information may be included with the municipal tax bills on an annual basis, on the City’s website, Facebook page, and other social media forms.

Annex C – Canadian Red Cross Form of Agreement

Emergency Evacuation Centres

- Overall supervision, coordination and staffing of the operation of all shelters that have been designated and opened by the MCEG;
- For the provision of registration and inquiry services at designated shelters for evacuees, victims, and volunteers;
- To ensure the provision of child care services for children at the evacuation centre(s). Liaise with Police, Fire and Northeastern Ontario Family and Child Services regarding children separated from their families as a result of the emergency;
- Assisting in the distribution of supplies (clothing, food, personal items) where applicable and available for individuals evacuated to emergency centre(s);
- Liaison with the Medical Officer of Health on areas of mutual concern regarding operations in evacuee centre(s);
- Support the overall response with the Evacuation Coordinator and agencies (Salvation Army, Service Clubs etc.) that are/or may be involved in providing support to evacuees, victims, and volunteers;
- Maintaining detailed documentation on decisions made, actions taken and expenses incurred;
- Assisting with the recovery process and the restoration services as soon as deemed appropriate;
- Preparing and submitting a final report containing a review of the operation of evacuation centres including recommendations on possible alterations to the Emergency Response Plan.

The Corporation of the City of Temiskaming Shores

By-law No. 2020-113

Being a by-law to amend By-law No. 2019-016 to enter into an agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs at various locations within the City of Temiskaming Shores

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council entered into an Agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs at various locations within the City of Temiskaming Shores, through By-law No. 2019-016 on December 18, 2018; and

Whereas Council considered Administrative Report No. PW-026-2020 at the November 17, 2020 Regular Council meeting, and directed staff to prepare the necessary by-law to amend the agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs for consideration at the November 17, 2020 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Schedule "A" to By-law No. 2019-016, be amended by deleting Article I (c) and replacing it with the following:

Article I

c) Complete, as certified by the Director, all the work by **December 31st, 2022.**

2. That Schedule "A" to By-law No. 2019-016, be further amended by deleting Article II (a) and the associated table and replacing it with the following:

Article II

The Owner will:

- a) Pay the Contractor in lawful money of Canada for the material and services aforesaid **at hourly rates plus applicable taxes**, subject to additions and deductions as follows:

Description	Regular Rate	After Hour Rate
Float Time	\$145.00/ hour	\$185.00/ hour
Breaker Attachment	\$235.00/ hour	\$275.00/ per hour
Excavation Time	\$140.00/ hour	\$180/ hour

3. That Appendix 01 of Schedule “A” to By-law No. 2019-016, be hereby amended by the 2021/2022 Form of Quotation (page 1), a copy of which is hereto attached as Schedule A and forms part of this by-law.
4. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 17th day of November, 2020.

Mayor – Carman Kidd

Clerk – Logan Belanger



Schedule “A” to

By-law 2020-113

Being a by-law to amend By-law No. 2019-016 to enter into an agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs at various locations within the City of Temiskaming Shores

City of Temiskaming Shores
PWO-RFQ-010-2018

Equipment Rental – Excavator

Form of Quotation

Each Quotation should contain the legal name under which the Bidder carries on business, telephone number and fax number, mailing address as well the name or names of appropriate contact personnel which the City may consult regarding the Quotation.

We, the undersigned, have carefully examined the attached documents and conditions of the Quotation.

We, the undersigned, understand and accept those specifications, conditions, and details as described herein, and, for these rates/prices offer to furnish all equipment, labour, apparatus and documentation as are required to satisfy this Quotation.

NOTE: All portions of "Form of Quotation" must be accurately and completely filled out.

Item	Description	Make, Model and Operating Weight	Unit	Daytime Rate Monday-Friday	After hour Rate Nights/Stat Holiday/Weekend
1	Float time	Mack	Hour	\$145.00	\$185.00
2	Work Time including breaker attachment	Cat 320D 21,000 kg.	Hour	\$235.00	\$275.00
3	Excavation Time	Cat 320D	Hour	\$140.00	\$180.00

Pricing shall exclude applicable taxes but will be considered extra.

2021 / 2022

A.P.

This is page 1 of 7 to be submitted

The Corporation of The City of Temiskaming Shores

By-Law No. 2020-114

Being a By-Law to Adopt a Memorial Bench and Tree Policy for the City of Temiskaming Shores

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. RS-010-2020 at the November 17, 2020 Regular Council meeting, and directed staff to prepare the necessary by-law to adopt Memorial Bench and Tree Policy for the City of Temiskaming Shores, and to repeal By-law No. 2013-088 as amended, for consideration at the November 17, 2020 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council adopts a Memorial Bench and Tree Policy for the City of Temiskaming Shores, identified as Schedule "A", attached hereto and forming part of this by-law.
2. That By-law Number 2013-088 and all amendments thereto are repealed in their entirety upon the coming into effect of this By-law.
3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the By-law and schedule, after the passage of this By-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 17th day of November, 2020.

Mayor – Carman Kidd

Clerk – Logan Belanger



Schedule “A” to

By-law No. 2020-114

**Being a By-Law to Adopt a Memorial Bench and Tree Policy
for the City of Temiskaming Shores**

1. Purpose

The intent of this policy is to provide the public with an opportunity to commemorate or honour family, friends or events within the City of Temiskaming Shores.

2. Policy Objectives

This policy will establish standards and requirements for the donation of memorial items to the City of Temiskaming Shores. The Temiskaming Shores Recreation Department will coordinate and maintain the program to ensure that standards and requirements are met.

3. Program Overview

The former Town of New Liskeard started a Memorial Bench & Tree Donation Program as a way to commemorate the Town's 100th anniversary. The program continued with the City of Temiskaming Shores and was adopted as a formal policy with the passing of By-law 2013-088. The City has continued to install memorial benches and trees throughout parks and greenspaces in the years since without an update to the policy.

The program will allow members of the public to provide a monetary donation to the City for the installation of a bench or tree placed on public municipal property. In exchange, the donor will be able to leave a plaque on the item with a personalized message.

4. Tree, Bench and Plaque Standards

4.1 Bench Standards

Benches will be 4ft, 6ft or 8ft in width and must fit esthetically within the desired location. When no preference for material type is provided by the donor, the city will purchase a composite material bench to match existing amenities. Benches will be placed on a concrete pad with sufficient size to ensure the entire bench is properly supported and erosion from public use is minimized. Benches will be secured to the concrete pad with fasteners to ensure they cannot be moved without using tools.

Benches are to remain free of décor or additional commemoration beyond a plaque of no more than 4 inches tall by 12 inches wide, placed on the back rest.

4.2 Tree Species, Height, Planting

All trees must be a minimum of 5ft in height when planted as part of this program. The City will have final say on the species and cultivar of tree selected by the donor with preference for species which are rated for hardiness zone 3a.

All tree planting will be completed by an outside contractor to ensure correct planting technique is used and to provide the tree the best opportunity to thrive.

Trees are to remain free of décor or additional commemoration beyond a plaque of no more than 6 inches tall by 6 inches wide, placed on a stand-alone display to the city's specifications.

4.3 Plaques

All plaque messages will contain no obscenities or other messages determined to be offensive. The city will have final approval of all plaque messages. Plaques are the responsibility of the purchaser to replace in the event they are damaged, lost, stolen etc. If the City determines that a plaque is in need of replacement, it will contact the original purchaser to arrange for a replacement.

5. **Location Selection and Approval**

5.1 General Location Availability

Only parks and greenspaces within the boundaries of the City of Temiskaming Shores will be available for the placement of memorial trees and benches. Locations not available include private property, sidewalks, vacant land, inside buildings, in waterways and any other area that the City deems as inappropriate. The City reserves the right to restrict certain locations from availability within the program for any amount of time. Further, no benches will be placed on the New Liskeard Waterfront, defined

as the park and greenspace between the roadway and Lake Temiskaming from Beach Boulevard to Riverside Place during the years 2021, 2022 and 2023.

5.2 Location Selection Process

Every effort will be made to accommodate the donor's choice of location. The donor will provide a requested site for the item and it will then be reviewed by Recreation Department staff to determine suitability. If the site is found to be unacceptable, the process will be repeated. The donor will specifically initial the agreed upon site in their application.

5.3 City Veto / Moving

The City will have complete and final say on all location selections for memorial trees and benches. The City reserves the right to re-locate any memorial item if deemed necessary for any purpose. In all cases where a memorial item is to be moved, the City will contact the original donor of the item to agree upon a new location for the item. If the original donor cannot be contacted or a new location cannot be agreed upon, the City will decide on a new location.

6. **Appeals**

In the event that any decision or process regarding the memorial tree or bench program is in dispute between a donor and the City. The donor will bring their concern, in writing, to the Recreation Committee for resolution.

7. **Intake Period**

There will be one intake period per calendar year for applications to the program. The application period will be from January 1st until April 15th of each year with all installations to take place by September 30th of the same year. Any applications received after April 15th will be included in the application intake period of the following year.

8. Costs

8.1 Benches

The cost for a memorial bench will be set at \$2,000 which includes the bench, plaque, engraving, shipping, installation and any applicable taxes. The full cost must be paid by the donor before the item is ordered.

8.2 Trees


The cost for a memorial tree will be set at \$500 which includes the tree, plaque, engraving, shipping, installation and any applicable taxes. The full cost must be paid by the donor before the item is ordered.

9. City Responsibilities

The City reserves the right to determine the level of general care for all memorial items depending on budget and staff availability. General care is defined as the mowing, raking, pruning and general cleaning of the grounds around benches and trees and the items themselves, as determined by the City.

The City distinctly disclaims all responsibility for loss or damage from causes beyond reasonable control and especially from damage caused by the elements, and Acts of God, thieves, vandals, riots, or order of any military or civil authority, whether the damage is direct or collateral, other than as herein provided. If a bench is damaged or destroyed, the donator has the option to repair and/or purchase a new bench. The City reserves the right to remove the bench/tree if its condition is deemed unsafe and/or unsightly or for operational needs as may be required.

10. APPENDIX 1 - MEMORIAL BENCH & TREE PROGRAM APPLICATION FORM

Memorial Bench & Tree Program Application Form							
Donor Name:							
Donor Address:							
Donor E-mail:							
Donor Phone Number:							
Memorial Item Purchased:							
Location Selected:			<table border="1"> <tr> <th colspan="2">Initial</th> </tr> <tr> <td>Donor</td> <td>City</td> </tr> </table>	Initial		Donor	City
Initial							
Donor	City						

By signing this application, the Donor agrees to all conditions within By-law 2020-114, as amended, including the following conditions:

1. The City distinctly disclaims all responsibility for loss or damage from causes beyond reasonable control and especially from damage caused by the elements, and Acts of God, thieves, vandals, riots, or order of any military or civil authority, whether the damage is direct or collateral, other than as herein provided. If a bench is damaged or destroyed, the donator has the option to repair and/or purchase a new bench. The City reserves the right to remove the bench/tree if its condition is deemed unsafe and/or unsightly or for operational needs as may be required.
2. The City reserves the right to re-locate the memorial item if deemed necessary.

3. The City reserves the right to determine the level of general care for all memorial items depending on budget and staff availability. General care is defined as the mowing, raking, pruning and general cleaning of the grounds around benches and trees and the items themselves, as determined by the City.
4. Messages on benches and plaques will contain no obscenities and must meet the approval of City Staff. Memorial items are to remain free of décor and/or any additional materials, plaques etc.

Acknowledged and signed by the Donor and The City of Temiskaming Shores this _____ day of _____, 20____.

Donor Signature

City of Temiskaming Shores
Signing Authority

Name (Printed)

Name (Printed)

The Corporation of the City of Temiskaming Shores
By-law No. 2020-115
Being a by-law to confirm certain proceedings of Council of The
Corporation of the City of Temiskaming Shores for its Regular
meeting held on November 17, 2020

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas it is the desire of the Council of The Corporation of the City of Temiskaming Shores to confirm proceedings and By-laws.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the actions of the Council at its Regular meeting held on **November 17, 2020** with respect to each recommendation, by-law and resolution and other action passed and taken or direction given by Council at its said meeting, is, except where the prior approval of the Ontario Municipal Board is required, hereby adopted, ratified and confirmed.
2. That the Mayor, or in his absence the presiding officer of Council, and the proper officials of the municipality are hereby authorized and directed to do all things necessary to give effect to the said action or to obtain approvals where required, and except where otherwise provided, the Mayor, or in his absence the presiding officer, and the Clerk are hereby directed to execute all documents required by statute to be executed by them, as may be necessary in that behalf and to affix the corporate seal of the municipality to all such documents.

Read a first, second and third time and finally passed this 17th day of November, 2020.

Mayor – Carman Kidd

Clerk – Logan Belanger