



**The Corporation of the City of Temiskaming Shores
Regular Meeting of Council
Tuesday, December 20, 2022 – 6:00 p.m.
City Hall – Council Chambers – 325 Farr Drive**

Agenda

Land Acknowledgement

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

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

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 Resolution

Moved by: Councillor

Seconded by: Councillor

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

- a) Regular Meeting of Council – December 6, 2022

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

8. Question and Answer Period

9. Presentations / Delegations

Mitch McCrank – Transit Service Update

10. Communications

- a) Mark Stewart, CAO – District of Timiskaming Social Services Administration Board

Re: Community Safety and Well Being Plan Handover

Reference: Received for Information

- b) Alyssa Gosselin, First Link Care Navigator & Public Education Coordinator, Alzheimer Society

Re: National Alzheimer Awareness Month – January 2023

Reference: Proclamation presented under New Business

- c) Stephane Lefebvre, Manager of Plant and Property & Health and Safety, Northern College

Re: Application to Purchase Municipal Land, 2022-10-17

Reference: Direct to the Municipal Clerk to process in accordance with Land Disposition By-law No. 2015-160

- d) Sandy MacDonald, Regional Director of Community Affairs, Bell

Re: Bell Let's Talk Day – Flag Raising – January 25, 2023

Reference: Received for information

- e) Caroline Mulroney, Minister of Transportation

Re: Safe Restart Funding – Municipal Transit Stream

Reference: Referred to the Temiskaming Transit Committee and Municipal Treasurer

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that City Council agrees to deal with Communications Items 10 a) through e) in accordance with agenda references.

11. Committees of Council – Community and Regional

None

12. Committees of Council – Internal Departments

None

13. Reports by Members of Council

14. Notice of Motions

15. New Business

a) **Resolution in Support of Call for Nominations for ROMA Board of Directors**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that the Council for the City of Temiskaming Shores endorses Councillor Mark Wilson for the position of ROMA Zone 9 Representative for the 2023 – 2027 ROMA Board of Directors.

b) **Proclamation – National Alzheimer Awareness Month – January 2023**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas, Alzheimer Awareness Month is recognized during the month of January 2023 to raise awareness about Alzheimer’s disease and other forms of dementia; and

Whereas Alzheimer’s disease is a degenerative brain disorder that most often occurs in people over the age of 65 but can occur in adults in their 30’s, 40’s and 50’s; and

Whereas there are over 630,000 Canadians living with Alzheimer’s disease with a projected almost 1 million Canadians living with dementia by 2031; and

Whereas the Alzheimer Society Cochrane-Temiskaming provides programs and services to all citizens of Cochrane-Temiskaming district; and

Whereas the Alzheimer Society Cochrane-Temiskaming encourages the Council, residents, business and services of City of Temiskaming Shores to break the stigma and fear of exclusion attached to Alzheimer and dementia and build their community into a Dementia Friendly Community that supports those living with dementia to maintain an active role in our community, to take part in new things and to continue activities they enjoy with confidence.

Now therefore, I, Mayor Jeff Laferriere do hereby declare the Month of January 2023 as Alzheimer Awareness month in the City of Temiskaming Shores and that the City of Temiskaming Shores build toward becoming a Dementia Friendly Community.

c) **January – November 2022 Year-to-date Capital Financial Report**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

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

d) **Memo No. 048-2022-CS – Approval to Transfer surplus/deficit funds to/from Reserve and Reserve Funds**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that the Council of the City of Temiskaming Shores hereby directs the Treasurer to transfer any surplus/deficit from 2022 to/from the applicable Reserve or Reserve Funds per the summary below:

Program or Service	To/From Reserve or Reserve Fund
Bucke Park Operations	Bucke Park Reserve
Business Improvement Area (BIA)	BIA Reserve
Cemetery Operations	Cemetery Reserve
Doctor Recruitment	Doctor Recruitment Reserve
Elections	Elections Reserve
Fire Marque and Auto Extrication Net Revenues	Fire Equipment Reserve
Gain on Sale of Surplus Fleet Assets	Fleet Replacement Reserve
Land Leases and Net Land Sales	Community Development or Economic Development Reserve
Landfill Operations	Landfill Reserve
Medical Centre	Medical Centre Reserve
Municipal Budget Capital	Working Funds Reserve

Municipal Budget Environmental Operations	Environmental Water Working Fund and/or Environmental Sewer Working Fund Reserve
Municipal Budget General Operations	Working Funds Reserve
Municipal Transit Operations	Municipal Transit Reserve
Temiskaming Shores Library	Library Reserve

And further that any other surplus/deficit not listed above from the 2022 fiscal year be transferred to/from Working Funds Reserve.

e) **Memo No. 049-2022-CS – Amending FedNor agreement for Great Fire Centennial Event**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council of the City of Temiskaming Shores hereby acknowledges receipt of Memo No.049-2022-CS; and

That Council hereby confirms funding agreement amendment No. 1 and directs staff to prepare the necessary by-law to amend By-law No. 2022-004 to extend the project completion date from January 31, 2023 to March 7, 2023, for consideration at the December 20, 2022 Regular Council meeting.

f) **Administrative Report No. CS-046-2022 – Zoning By-Law Agreement 2022-03: 884402 Highway 65 West**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-046-2022; and

That Council agrees to amend the provisions of the City of Temiskaming Shores Zoning By-law 2017-154 to permit the zone change from Community Facilities (CF) to Rural Residential Exception 3 (R1-3); and

That Council directs staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law 2017-154 for consideration at the December 20, 2022 Regular Council meeting

g) **Administrative Report No. CS-047-2022: Zack’s Crib – Building Permit Fees**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-047-2022; and

That Council acknowledges the request from the District of Timiskaming Social Services Administration Board and agrees to provide in-kind support to Zack’s Crib by waiving the Building Permit Fee associated with the renovation of 183 Broadwood Ave. in the amount of \$6,650.

h) **Administrative Report No. CS-048-2022: Prosecution Services – POA**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be is resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-048-2022; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with Mr. Mariusz Przybylowski as a Court Prosecutor for consideration at the December 20th, 2022 Regular Council meeting.

i) **Memo No. 013-2022-PW: Ontario Structure Inspection Manual (OSIM) 2022 Bridge and Culvert Inspection Program**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of the 2022 Bridges, Culverts and Roof Infrastructure report based on the Ontario Structure Inspection Manual (OSIM) and Capital Plan prepared by DM Wills for information purposes.

j) **Administrative Report No. PW-031-2022: Cost Sharing Agreement**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-031-2022; and

That Council directs staff to prepare the necessary by-law to enter into a cost sharing agreement with the Ministry of Transportation to construct a right turn taper and left turn lane on Highway 65E to accommodate the Grant Drive Extension for an upset limit of \$ 266,250.00 plus applicable taxes for Councils consideration at the December 20, 2022 Regular Council Meeting

k) **Administrative Report No. PW-032-2022: Equipment Rental -Water/Sewer Repairs**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-032-2022; and

That Council directs staff to prepare the necessary by-law to amend By-Law No. 2019-016, as amended being the agreement with Pedersen Construction (2013) Inc., to permit a one (1) year extension 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	\$160.00/ hour	\$200.00/ hour
Breaker Attachment	\$260.00/ hour	\$300.00/ per hour
Excavation Time	\$160.00/ hour	\$200.00/ hour

for consideration at the December 20, 2022 Regular Council Meeting.

16. By-laws

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that:

By-law No. 2022-176 Being a by-law to authorize the entering into an Agreement with 947465 Ontario Ltd. o/a Voyago for the provision of Public Transit Services

By-law No. 2022-177 Being a by-law to authorize the entering into an agreement with 947465 Ontario Ltd. o/a Voyago for the lease of five Accessible Transit Buses

By-law No. 2022-178 Being a by-law to authorize the entering into a Lease Agreement with Bumstead Trucking Ltd. for a portion of the premises known at 41 Golding Street, New Liskeard

By-law No. 2022-179 Being a by-law to amend By-law No. 2022-004 to enter into an agreement with the Federal Economic Development Agency for Northern Ontario as represented by the Minister of Indigenous Services and Minister responsible for the Federal Economic Development Agency for Northern Ontario for the Great Fire of 1922 Centennial Event (Project No. 851-513645) – Amendment No. 1

By-law No. 2022-180 Being a by-law to amend By-law No. 2017-154 to rezone 884402 Highway 65 West from the Community Facilities (CF) Zone to the Rural Residential Exception 19 (R1-3) Zone to allow for the conversion of the existing building to a single detached dwelling and to permit a reduced lot area

By-law No. 2022-181 Being a by-law to enter into a Contract Agreement for POA Court Prosecution Services

- By-law No. 2022-182 Being a by-law to authorize the Execution of a Cost Sharing Agreement between His Majesty the King in right of the Province of Ontario represented by the Minister of Transportation and the Corporation of the City of Temiskaming Shores for the construction of the right turn taper and left turn lane on Highway 65E to accommodate the Grant Drive Extension
- By-law No. 2022-183 Being a by-law to amend By-law No. 2019-016, as amended to enter into an agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs
- By-law No. 2022-184 Being a by-law authorizing the execution of the Next Generation 9-1-1 Authority Service Agreement with Bell Canada

be hereby introduced and given first and second reading.

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that:

- | | |
|---------------------|--------------------------|
| By-law No. 2022-176 | By-law No. 2022-180 |
| By-law No. 2022-177 | By-law No. 2022-181 |
| By-law No. 2022-178 | By-law No. 2022-182 |
| By-law No. 2022-179 | By-law No. 2022-183; and |
| | By-law No. 2022-184 |

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 Meeting of Council – January 17, 2023 at 6:00 p.m.

18. Question and Answer Period

19. Closed Session

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

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

- a) Under Section 239 (2) (b) of the Municipal Act, 2001 – personal matters about an identifiable individual, including municipal or local board employees – Committee Appointments

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council agrees to rise with/without report from Closed Session at _____ p.m.

20. Confirming By-law

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that By-law No. **2022-186** 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 **December 20, 2022** be hereby introduced and given first and second reading.

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that By-law No. **2022-186** be given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

21. Adjournment

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council hereby adjourns its meeting at _____ p.m.



The Corporation of the City of Temiskaming Shores
Regular Meeting of Council
Tuesday, December 6, 2022 – 6:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

MINUTES

Land Acknowledgement

Mayor Laferriere began the meeting by observing the following Land Acknowledgement:

We acknowledge that we live, work and gather on the traditional and unceded Territory of the Algonquin People, specifically the Timiskaming First Nation.

We recognize the presence of the Timiskaming First Nation in our community since time immemorial and honour their long history of welcoming many Nations to this beautiful territory and uphold and uplift their voice and values

1. Call to Order

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

2. Roll Call

Council: Mayor Jeff Laferriere; Councillors Melanie Ducharme, Jesse Foley, Ian Graydon, Nadia Pelletier-Lavigne, Mark Wilson and Danny Whalen

Present: Amy Vickery, City Manager
Kelly Conlin, Municipal Clerk
Shelly Zubyck, Director of Corporate Services
Steve Burnett, Manager of Environmental Services
Matt Bahm, Director of Recreation
Jennifer Pye, Planner
Steve Langford, Fire Chief
Brad Hearn, IT Administrator

Regrets: 0

Media: 2

Members of the Public: 3

3. Review of Revisions or Deletions to Agenda

Councillor Mark Wilson requested an item be added under Notice of Motion

Councillor Pelletier-Lavigne requested an item be added under Reports by Members of Council

4. Approval of Agenda

Resolution No. 2022-471

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Graydon

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

Carried

5. Disclosure of Pecuniary Interest and General Nature

None

6. Review and adoption of Council Minutes

Resolution No. 2022-472

Moved by: Councillor Whalen

Seconded by: Councillor Ducharme

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

- a) Regular Meeting of Council – November 1, 2022
- b) Inaugural Meeting of Council – November 21, 2022; and
- c) Special Meeting of Council – November 22, 2022

Carried

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

- a) Zoning By-law Amendment (ZBA-2022-03)

Owner: Trustees of the Hillview United Church

Applicant: Donna Desmarais

Subject Land: 884402 Highway 65 West (DYMOND CON 3 N PT LOT 3 RP TER311 PART 2 PCL 14963SST)

Purpose of the application: To rezone the property from Community Facilities (CF) to Rural Residential Exception (R1-#) to allow for the conversion of the existing church building to a single detached dwelling.

Mayor Laferriere outlined that the purpose of this public meeting is for one (1) Zoning By-law amendment application. The Planning Act requires that a public meeting be held before Council decides whether to pass a by-law adopting a proposed amendment.

The public meeting serves two purposes: first, to present to Council and the public the details and background to the proposed amendment and second, to receive comments from the public and agencies before a decision is made by Council.

Mayor Laferriere declared the meeting to be open and to be a public meeting pursuant to Section 34 of the Planning Act, and requested the Planner to outline the details of the application.

Jennifer Pye, Planner, utilizing PowerPoint, outlined the background, purpose, planning analysis related to the zoning by-law amendment, and imagery of the subject lands. No comments were received prior to the public meeting.

The notice of the public meeting was provided via the City Bulletin in accordance with the statutory notice requirements of the Planning Act.

Mayor Laferriere inquired if there were any comments from members of the public or Council, and no questions were received.

Mayor Laferriere declared that this public meeting is closed, and Council will give due consideration to the application.

8. Question and Answer Period

None

9. Presentations / Delegations

10. Communications

- a) Amanda Masulka, Resident, Haileybury

Re: Niven Street Speeding

Reference: Referred to the Public Works Committee and Police Services Board

- b) Sheila Randall, Secretary, Earleton Timiskaming Regional Airport Authority

Re: September and October 2022 Financials

Reference: Received for Information

Resolution No. 2022-473

Moved by: Councillor Wilson

Seconded by: Councillor Foley

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

Carried

11. Committees of Council – Community and Regional

Resolution No. 2022-474

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Wilson

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

- a) Minutes of the Earleton-Timiskaming Airport meeting held October 13, 2022;
and
- b) Minutes of the Temiskaming Transit Committee meetings held on October 5
and November 10, 2022

Carried

12. Committees of Council – Internal Departments

Resolution No. 2022-475

Moved by: Councillor Foley

Seconded by: Councillor Whalen

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

- a) Minutes of the Recreation Services Committee meeting held October 17, 2022;
- b) Minutes of the Climate Change Committee meeting held on October 18, 2022;
- c) Minutes of the Building Maintenance Committee meeting held on October 20, 2022;
- d) Minutes of the Corporate Services Committee meeting held on October 20, 2022;
- e) Minutes of the Protection to Persons and Property Committee meeting held on October 20, 2022; and
- f) Minutes of the Public Works Committee meeting held on October 20, 2022.

Carried

13. Reports by Members of Council

Councillor Pelletier-Lavigne reported that she has attended several community events lately; and wanted to draw the public and Council's attention to an award that was recently given to the Hilliardton Marsh for being a Star Wetland Centre. The Marsh was one of 23 wetlands around the world to receive this award.

14. Notice of Motions

Councillor Mark Wilson put forth a Notice of Motion for discussion at the December 20th Regular Council meeting regarding his consideration to submit an application as a candidate for the Zone 9 Director for the Rural Ontario Municipal Association (ROMA).

15. New Business

a) January – October 2022 Year-to-date Capital Financial Report

Resolution No. 2022-476

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Wilson

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

Carried

b) Memo No. 046-2022-CS – Attendance at Conferences

Resolution No. 2022-477

Moved by: Councillor Foley

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Timiskaming Shores acknowledges receipt of Memo No. 046-2022-CS; and

Be it resolved that Council for the City of Temiskaming Shores approves the attendance of Mayor Laferriere and Councillors Wilson and Ducharme to the Rural Ontario Municipal Association (ROMA) Conference scheduled for January 22 to January 24, 2023 in Toronto; and

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

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

Further that all members are to express their availability and interest for all other delegations to be set out in council resolution for consideration at a future meeting of council.

Carried

c) Memo No. 047-2022-CS – Digital Media Strategy - Northern Ontario Mining Showcase (NOMS) Proposal

Resolution No. 2022-478

Moved by: Councillor Whalen

Seconded by: Councillor Pelletier-Lavigne

That Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 047-2022-CS for information purposes.

Carried

d) Administrative Report No. CS-045-2022 – ONR Land Purchase/Sale

Resolution No. 2022-479

Moved by: Councillor Whalen

Seconded by: Councillor Graydon

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-045-2022; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with Ontario Northland Transportation Commission to complete the purchase legally described as: PIN 61397-0923 (LT), being Lots 226-230 on Plan M73NB, City of Temiskaming Shores in the amount of \$4,250.00, plus appraisal costs in the amount of \$3,500 plus applicable taxes and legal fees for consideration at the December 6, 2022 Regular Council meeting; and

Further that the above property then be declared as surplus to municipal needs and proceed with the sale of land in accordance with the City's Disposal of Real Property Policy.

Carried

e) Administrative Report No. PPP-005-2022: Harris Township – Fire Services Agreement

Resolution No. 2022-480

Moved by: Councillor Wilson

Seconded by: Councillor Foley

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. PPP-005-2022; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with the Township of Harris for the provision of Fire Protection Services for consideration at the December 6, 2022 Regular Council meeting.

Carried

f) Administrative Report No. RS-019-2022: Community Fridge: Memorandum of Understanding

Resolution No. 2022-481

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Wilson

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-019-2022; and

That Council directs staff to prepare the necessary by-law to enter into a Memorandum of Understanding with the Community Food Action Network and the Temiskaming Shores Public Library for the purpose of operating a Community Fridge Program for consideration at the December 6, 2022 Regular Council meeting.

Carried

g) Administrative Report No. RS-020-2022: Greenhouse Gas Emissions Inventory

Resolution No. 2022-482

Moved by: Councillor Graydon

Seconded by: Councillor Foley

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-020-2022 Green House Gas Emissions Inventory for information purposes.

Carried

h) Administrative Report No. RS-021-2022: Award – Bucke Park Chalet Floor Repair

Resolution No. 2022-483

Moved by: Councillor Whalen

Seconded by: Councillor Wilson

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No.RS-021-2022; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with Pedersen Construction (2013) Inc. for the repair of the Bucke Park Chalet Floor and chalet drainage in the amount of \$62,540, plus applicable taxes, for consideration at the December 6, 2022 Regular Council meeting.

Carried

i) Administrative Report No. RS-022-2022: Rebecca Street Park Donation

Resolution No. 2022-484

Moved by: Councillor Foley

Seconded by: Councillor Ducharme

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No.RS-022-2022; and

That Council approve the reallocation of funds in the 2022 Capital Budget from the PFC Roof Replacement Project in the amount of \$6,046 to the Rebecca Street Park project; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with ABC Recreation for the purchase of playground equipment for the Rebecca Street Park in the amount of \$25,595.20 plus applicable taxes, for consideration at the December 6, 2022, Regular Council meeting.

Carried

j) Administrative Report No. RS-023-2022: Rotary Splash Pad Update

Resolution No. 2022-485

Moved by: Councillor Graydon

Seconded by: Councillor Wilson

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-023-2022 – Rotary Splash Pad Update for information purposes.

Carried

k) Administrative Report No. PW-030-2022: Award - Contract Transit Services

Resolution No. 2022-486

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Whalen

That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-030-2022; and

That Council hereby awards PW-RFP-007-2022 to 947465 Ontario Ltd. o/a Voyago and directs staff to prepare the necessary by-law to enter into 3-year agreement with 947465 Ontario Ltd. o/a Voyago for the provision of Public Transit Services in the amount of \$783,596.00, plus applicable taxes for year one; with an annual CPI increase being applied for years two and three, for consideration at the December 20, 2022, Regular Council meeting; and

That Council hereby directs staff to prepare the necessary by-law to enter into a 3-year lease agreement with 947465 Ontario Ltd. o/a Voyago for the use of City-owned Transit Fleet under the contract for consideration at the December 20, 2022, Regular Council meeting; and

That Council hereby directs staff to prepare the necessary by-law to enter into a 3-year lease agreement with Bumstead Trucking Ltd. for the use of the premises known as 41 Golding Street, New Liskeard, Ontario in the amount of \$51,000 per year (including utilities and applicable taxes), for consideration at the December 20, 2022, Regular Council meeting.

Carried

16. By-laws

Resolution No. 2022-487

Moved by: Councillor Graydon

Seconded by: Councillor Wilson

Be it resolved that:

By-law No. 2022-169 Being a by-law to authorize the Purchase of Land from the Ontario Northland Transportation Commission, being Lots 226-230 on Plan M73NB, Browning St.

By-law No. 2022-170 Being a by-law to enter into a Fire Protection Agreement with the Corporation of the Township of Harris and to Repeal By-Law No. 2017-107

By-law No. 2022-171 Being a by-law to to enter into a Memorandum of Understanding between The Community Food Action Network, the Temiskaming Shores Public Library and the City of Temiskaming Shores for the purpose of operating a Community Fridge Program

By-Law No. 2022-172 Being a by-law to enter into an agreement with Pedersen Construction (2013) Inc. for the repair of the Bucke Park Chalet Floor and chalet drainage

By-Law No. 2022-173 Being a by-law to enter into an agreement with ABC Recreation for the purchase of playground equipment for the Rebecca St. Park

By-Law No. 2022-174 Being a by-law to Appoint a Deputy Clerk for the City of Temiskaming Shores and Repeal By-Law 2022-069

be hereby introduced and given first and second reading.

Carried

Resolution No. 2022-488

Moved by: Councillor Whalen

Seconded by: Councillor Foley

Be it resolved that:

By-law No. 2022-169

By-law No. 2022-170

By-law No. 2022-171

By-law No. 2022-172

By-law No. 2022-173; and

By-law No. 2022-174

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 Meeting of Council - December 20, 2022 at 6:00 p.m.
- b) Regular Meeting of Council – January 17, 2023 at 6:00 p.m.

18. Question and Answer Period

Mr. Ray LaFleur, Haileybury questioned whether or not it was the intention of Council to have only one lane in each direction on Rorke Avenue, versus the two lanes as there has only been a center line painted. Mayor Laferriere thanked Mr. LaFleur for his question and advised him that staff will investigate his question.

19. Closed Session

None

20. Confirming By-law

Resolution No. 2022-489

Moved by: Councillor Whalen

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that By-law No. **2022-175** being a by-law to confirm certain proceedings of Council of The Corporation of the City of Temiskaming Shores for its Special Meeting held on **November 22, 2022** and its Regular meeting held on **December 6, 2022** be hereby introduced and given first and second reading.

Carried

Resolution No. 2022-490

Moved by: Councillor Wilson
Seconded by: Councillor Foley

Be it resolved that By-law No. **2022-175** be given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

Carried

21. Adjournment

Resolution No. 2022-491

Moved by: Councillor Pelletier-Lavigne
Seconded by: Councillor Foley

Be it resolved that Council hereby adjourns its meeting at 7:10 p.m.

Carried

Mayor

Clerk



Chief Administrative Officer
District of Timiskaming Social Services Administration Board

Proclamation

National Alzheimer Awareness Month – January 2023

Whereas, Alzheimer Awareness Month is recognized during the month of January 2023 to raise awareness about Alzheimer’s disease and other forms of dementia; and

Whereas, Alzheimer’s disease is a degenerative brain disorder that most often occurs in people over the age of 65 but can occur in adults in their 30’s, 40’s and 50’s; and

Whereas, There are over 630,000 Canadians living with Alzheimer’s disease with a projected almost 1 million Canadians living with dementia by 2031; and

Whereas, the Alzheimer Society Cochrane-Temiskaming provides programs and services to all citizens of Cochrane-Temiskaming district; and

Whereas, the Alzheimer Society Cochrane-Temiskaming encourages the Council, residents, business and services of **<insert town / city name>** to break the stigma and fear of exclusion attached to Alzheimer and dementia and build their community into a Dementia Friendly Community that supports those living with dementia to maintain an active role in our community, to take part in new things and to continue activities they enjoy with confidence;

Now Therefore, I, Mayor **<insert Name of Mayor>** do hereby declare the Month of January 2023 as Alzheimer Awareness month in the **<insert Town or City and Name>**, and that the **<insert Town or City and Name>** build toward becoming a Dementia Friendly Community.

December 2022

Mayor and Council
City of Temiskaming Shores
325 Farr Drive
PO Box 2050
Haileybury, ON
POJ 1K0

Dear Mayor Laferriere and City Councilors,

RE: Expression of Interest to Purchase Municipal Land

This letter is intended to advise Mayor and Council of Northern College's intention to purchase municipal land forming part of the Ethel Street extension, and currently abutting land and property owned by Northern College. The subject land in question is as follows:

- Parts of the remaining Ethel Street extension, abutting Lots 137 and 158, part of Plan M-54NB, currently owned by Northern College, and extending between Latchford Street to the east and Hardy Avenue (undeveloped) to the west.
- This existing land extension of Ethel Street currently serves as an access road to the northernmost part of Northern College property and has thus been maintained by Northern College.
- Granting of this request would formally incorporate the remaining portion of Ethel Street into Northern College holdings and is intended to be resurfaced as part of a proposed addition to the existing Northern College Veterinary Sciences Building located at 660 Latchford Street.
- Understanding that an easement to the easternmost portion of the roadway will be required and respected to allow access to the drive of the neighboring residential development.

We deem the information included in this letter to be accurate to the best of our understanding.

Yours very truly,



Mitch Dumas
Senior Vice President, Corporate Services

Application to Purchase Municipal Land

Office Use Only	
Application No.:	_____ Date: _____
Roll No.:	54-18-_____
OP Designation:	_____
Zoning:	_____

1. Applicant Information

Name of Applicant: Northern College of Applied Arts And Technology

Mailing Address: P.O. Box 3211 Timmins Ontario P4N 8R6

Email Address: lefevres@northern.on.ca Phone: 705-235-3211

2. Land Information

New Liskeard Haileybury Dymond

Municipal Address <u>660 Latchford Street, Haileybury, Ontario</u>
Legal Description (concession and lot numbers, reference plan and lot/part numbers) <u>Parts remaining of Ethel Street, adjacent to Lots 137 and 158, Plan M-54 NB, between Hardy Avenue and Latchford Street</u>

3. Proposed use of land:

To include remaining portion of the land into Northern College Holding in order to maintain access roadway onto remainder of Northern College Property. The roadway will be resurfaced and formalized as an access road. Northern college agrees to maintain easement portion of the roadway to ensure access to driveway of neighbouring property to the north, formerly as part of Lot 138, Plan M-54 NB. Provision - Northern College will agree to maintain snow removal of this access road (Ethel Street) as is part of Northern College's snow removal agreement (private contract) but not necessarily on same schedule as municipal road clearing.

Notes:

- Applications will be circulated to internal departments for comment followed by a memo/report to council to determine if Council would like to proceed with a potential land sale;
- If approval is received to proceed a **Non-Refundable Deposit** of \$250 is required;
- Depending on the circumstances of the land sale additional deposits may be required throughout the process to cover other costs such (i.e. reference plans, advertising fees, appraisal, legal fees etc.);



Signature of Applicant

Oct. 17/22

Date (dd/mm/yy)



Bell Let's Talk Day 2022 Flag Raising Program

In 2019, we introduced a flag raising program as a way our partners could show support for mental health in their communities on Bell Let's Talk Day. Last year, more than 180 municipal, provincial and territorial governments, sports teams, post-secondary schools and partners in Canada and internationally raised a flag as a way to kick off their Bell Let's Talk Day activities and join the world's largest conversation about mental health.



On Bell Let's Talk Day we are encouraging communities and organizations from coast to coast to raise the Bell Let's Talk flag to celebrate their commitment to mental health and highlight the actions they are taking to support people in their community.

Flag raising ideas

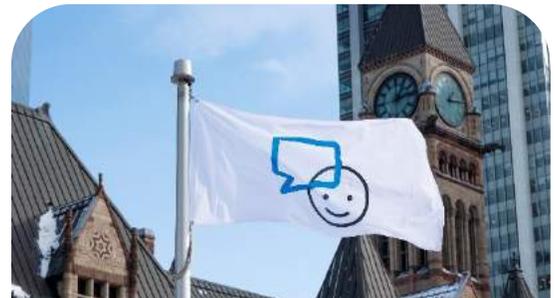
Raising a flag is a visible reminder to the members of your community that mental health matters and that help is available.

- Kick-start your Bell Let's Talk Day activities by raising a flag to show your support for mental health and highlight the actions your community is taking.
- Record a video or take a picture of your flag raising and share it on social media on Bell Let's Talk Day with a link to where community members can find supports.
- Hold a virtual or outdoor flag raising ceremony and welcome local mental health organizations to talk about their work.
- Hold a lunch-and-learn to promote mental health initiatives and resources available in your community.

Flag raising toolkit

Whether you are holding an event or posting about your flag on social media with a link to supports, we'll provide helpful materials to support your flag raising and communications:

- Bell Let's Talk flag (36" x 72")
- Bell Let's Talk swag (posters, talk bubbles, etc.)
- Social media messages
- Media release template and sample newsletter article
- Digital flag raising video available



Bell Let's Talk Day is
Wednesday, January 25!



Bell Let's Talk Day Flag Program: past partner engagement



The Bell Let's Talk flag has been raised in unique locations including both the North and South Poles! In 2020, Brian Jones from Fredericton planted the flag at the Amundsen-Scott South Pole Station while on a trek to raise funds for mental health initiatives at Chalmers Foundation in New Brunswick. Canadian Armed Forces members have raised the flag at CFS Alert near the North Pole for several years.

In 2022, communities and partners from coast to coast to coast to coast held virtual or COVID-safe flag raising ceremonies to spark conversations about mental health on social media and to highlight local supports.



John Tory
@JohnTory

Today, we raised the @Bell_LetsTalk flag at City Hall in recognition of #BellLetsTalk Day.

Proud to support this initiative to help end the stigma around mental health and start important conversations.



AFN Yukon
@afnyukonregion

Today, Regional Chief @KluaneAdamek and other Yukon leaders came together safely to raise the #BellLetsTalk flag in Whitehorse. We are committed to continuing the conversation about #mentalhealth, and we encourage everyone to join together to #endthestigma. #BellLetsTalkDay



CommrRCMPGRC
@CommrRCMPGRC

The #BellLetsTalk flag flies high at RCMP NHQ!

We're committed to providing the support needed to protect the #MentalHealth and well-being of our employees and the communities we serve.

Learn more about our ongoing initiatives: rcmp-grc.ca/ZPp

#GCMentalHealth



Royal Canadian Air Force
@RCAF_ARC

#RCAF command teams from CFB Winnipeg gathered on the parade square to raise the #BellLetsTalk flag, encouraging open dialogue about the importance of mental health within the #CAF.





Today is #BellLetsTalk Day. @HfxRegPolice has raised the Bell Let's Talk flag to remind Halifax region communities that #MentalHealth matters. Continue the conversation today & every day to highlight the importance of mental health for all.



#BellCause | Le SPVL est fier de s'associer à Bell cause pour la cause.

En santé mentale, maintenant plus que jamais, chaque geste compte!

[Translate Tweet](#)



We raised the #BellLetsTalk flag at City Hall this morning, with Premier Silver, TKC Chief Leas, Northwestel, Regional Chief Adamek and Grand Chief Johnston. Mental health impacts us all. Let's use this opportunity to break down the stigma surrounding it, today and every day.



Today is #BellLetsTalkDay in the Town of Torbay. I was happy to join CAO Dawn Chaplin to raise the flag this morning.

Let's keep the conversation going. Mental health is a serious problem and nobody should have to suffer alone. @torbaynl #BeKindAlways



ICYMI: Last night was our @Bell_LetsTalk game, join us tomorrow January 29 for the 10th annual #BellLetsTalk Day by tweeting to help create positive change.



Today we're joining in the 12th annual Bell Let's Talk Day to help create positive change. For the occasion, CMHA - Quebec Division proudly raises the Bell Let's Talk flag for the cause. #BellLetsTalk



quebec.acsm.ca
Bell Let's Talk - ACSM Québec
Bell Let's Talk Day is Wednesday, January 26 and we're joining in to help drive meaningful progress in mental health...

**Ministry of
Transportation**

Office of the Minister

777 Bay Street, 5th Floor
Toronto ON M7A 1Z8
416 327-9200
www.ontario.ca/transportation

**Ministère des
Transports**

Bureau de la ministre

777, rue Bay, 5^e étage
Toronto ON M7A 1Z8
416 327-9200
www.ontario.ca/transports



December 7, 2022

107-2022-4251

Jeff Laferriere
Mayor
City of Temiskaming Shores
sleveille@temiskamingshores.ca

Dear Mayor Laferriere:

Our government is committed to supporting municipal transit. We will continue to champion the needs of our municipal partners and transit users to ensure Ontarians can get where they need to go safely and efficiently. Since 2020, our government has provided more than \$2 billion in partnership with the Government of Canada to help mitigate the financial impacts of the pandemic on municipal transit systems across the province.

To help address COVID-19 related financial pressures experienced by municipal transit systems between February 1, 2022, and December 31, 2022, Ontario and the federal government will provide up to an additional \$505 million under the Safe Restart Agreement (SRA) Phase 4 Funding for the Municipal Transit stream.

This funding is intended to provide municipalities with relief in the 2022 municipal fiscal year so they can continue to provide the essential transit services Ontarians rely on.

SRA Phase 4 municipal funding allocations include a base amount of \$5,000 to all eligible municipalities, plus a proportional share of reported actuals under previous phases of SRA funding. This funding distribution is intended to equitably align the available funding with demonstrated financial needs.

I am pleased to inform you that **City of Temiskaming Shores** (“Recipient”) is eligible to receive up to \$75,205 to help address your COVID-19 municipal transit pressures incurred from February 1, 2022, to December 31, 2022.

Eligible Expenditures

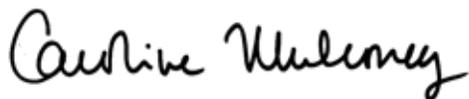
Financial expenditures that are eligible for reimbursement under SRA Phase 4 are consistent with the criteria under previous phases of SRA funding, which include both expenditures associated with the need to continue to operate with reduced revenue and new expenses resulting from COVID-19.

Similar to the approach taken under SRA Phase 3 funding, the eligible expenditure criteria will also include the use of SRA Phase 4 funding to support priority transit initiatives at up to a 50 per cent provincial cost-share.

Ministry staff will contact their municipal counterparts with details of SRA Phase 4 funding in the coming days. All communications, as well as any questions or concerns, should be sent to the SRA funding program email account at [MTO-COVID Transit Funding@ontario.ca](mailto:MTO-COVID_Transit_Funding@ontario.ca).

As we have demonstrated over the last few years, our government is committed to continuing to work with municipalities and their transit systems to keep Ontarians moving. The Safe Restart Agreement Phase 4 Funding will provide meaningful financial relief for municipal transit systems and help them continue to deliver safe and reliable transit services for their communities.

Sincerely,



Caroline Mulroney
Minister of Transportation

**GENERAL CAPITAL
Budget Variance Report
as at November 30, 2022**

	Project	2022			Project Status			
		Actual	Budget	Variance	% Completion	G	Y	R
REVENUES								
	Transfer from Operations	223,035	1,022,097	(799,062)				
	Transfer from Reserves	84,706	6,711,308	(6,626,602)				
	Borrowing	596,342	3,118,334	(2,521,992)				
	Provincial Funding	310,788	869,390	(558,602)				
	Federal Gas Tax		629,229	(629,229)				
	Modernization / Efficiency Funding		143,747	(143,747)				
	Ontario Community Infrastructure Fund (OCIF)	833,361	810,881	22,480				
	Enabling Accessibility Funding		100,000	(100,000)				
	Provincial Gas Tax		110,550	(110,550)				
	Investing in Canada Infrastructure Program (ICIP)		224,450	(224,450)				
	Transport Canada		527,848	(527,848)				
	Ontario Trillium Fund	200,000	500,000	(300,000)				
	Public / Private Partnerships	50,165	108,486	(58,321)				
TOTAL REVENUES		\$ 2,075,361	\$ 14,876,320	\$ (12,577,923)				
EXPENSES								
Corporate Services:	Cemetery Zero Turn Mower	7,708	20,000	(12,292)	100%	X		
	Grant Drain		150,000	(150,000)	1	0%	X	
	Peters Road Drain		150,000	(150,000)	1	0%	X	
Fire:	Fire Alarm Station 2		8,000	(8,000)	100%	X		
	Irwin Fill Station 3	32,246	23,000	9,246	100%	X		
Public Works:	2022 Roads Program	3,102,036	3,000,000	102,036	100%	X		
	Grant Drive Ext. Construction	725,507	1,270,000	(544,493)	2	90%	X	
	West Road Culvert Relining	45,251	100,000	(54,749)	2	50%	X	
	Radley Hill - Road Upgrades	501,942	659,810	(157,868)		100%	X	
	Pedestrian Cross Walk	49,888	100,000	(50,112)		100%	X	
Solid Waste:	Landfill Expansion	521,844	3,000,000	(2,478,156)	2	75%	X	
Property Mtnce:	Haileybury Fire Station (carryover)	1,743,846	2,200,000	(456,154)	2	85%	X	
	NL Arena Accessibility Project	640,672	1,000,000	(359,328)	2	75%	X	
	PFC Upgrades (floor & water softener)	55,684	70,000	(14,316)		100%	X	
	Spurline Accessibility Upgrades		30,000	(30,000)		15%		X
	Dymond Salt Shed Roof Repair	8,203	20,000	(11,797)		100%	X	
	PFC Roof Replacement	797,844	800,000	(2,156)		100%	X	
Fleet:	Small Fleet Replacement (carryover)	101,863	101,710	153		100%	X	
	Tri Axle Dump Truck (carryover)	205,233	215,700	(10,467)		100%	X	
	Fire Rescue (carryover)	430,096	430,100	(4)		100%	X	
	Dump Truck (box replacement)	22,743	25,000	(2,257)		100%	X	
	Backhoe	189,949	200,000	(10,051)		100%	X	
	Snow Blower Attachments (2) (By-Law 22-074)	330,215	330,000	215		100%	X	
Transit:	Transit Bus	338,852	335,000	3,852		100%	X	
Recreation:	Air Runner Treadmill	5,806	7,000	(1,194)		100%	X	
	Haileybury Arena Chiller	72,900	100,000	(27,100)		100%	X	
	Splash Pad (carryover)	28,149	200,000	(171,851)	2	75%	X	
	Olympia Replacement (Electric)		170,000	(170,000)	2	70%	X	
	PFC Floor Machine	6,112	6,000	112		100%	X	
	Lawnmower Replacement	16,734	20,000	(3,266)		100%	X	
	Spurline Parking Lot Paving	111,077	115,000	(3,923)		100%	X	
	Utility Terrain Vehicle		20,000	(20,000)		0%		X
	Tennis Court Resurfacing	29,844	-	29,844	3			
	Wabi Pedestrian Bridge Project	2,584	-	2,584	3			
	Farr Park - Old Hilby Food Bank Demolition	7,021	-	7,021	3			
TOTAL EXPENSES		\$ 10,131,854	\$ 14,876,320	\$ (4,744,466)				

Notes:

- 1 - Staff reviewing status of these projects.
- 2 - Projects will be presented as carryovers in 2023.
Property maintenance and recreation projects are nearing completion for the exception of the Splash Pad project.
- 3 - Projects were not included as carryovers as part of 2022 budget deliberations.

Memo

To: Mayor and Council
From: Stephanie Leveille, Treasurer
Date: December 20, 2022
Subject: Year End Transfers to/from Reserve and Reserve Funds
Attachments: N/A

Mayor and Council:

All transfers to/from reserves and reserve funds shall be approved by Council, normally as part of the annual budget approval process or at year-end, as recommended by the Treasurer.

We are currently approaching the fiscal year end; therefore, approval is required in order to process the journal entries required to finalize the statements and prepare for the audit. Please see reserve balances below, as at December 31st, 2021:

	Ending Balance
	31-Dec-21
Reserve	
Working Capital - General	\$ 9,462,497
Working Capital - Environmental	1,782,187
Working Capital - Business Improvement Area	52,594
Safe Restart Agreement Reserve	-
Election Expense Reserve	25,643
Fire Equipment Reserve	71,970
Solid Waste Diversion Fee Reserve	89,955
Cemetery Reserve	-
Doctor Recruitment Reserve	14,764
Medical Centre Reserve	14,637
Bucke Park Reserve	34,732
Accessibility Reserve	52,753
Fleet Replacement Reserve	298,097
Transit Reserve	53,175
Library Reserve	-
PDAC Reserve	160,823
Economic Development Reserve	134,234
Community Development Reserve	155,478
Solid Waste Landfill Reserve Fund	2,293,625
Total Reserve Balance	\$ 14,697,164
Less: 2022 Budgeted Transfer from Reserves to Capital	(7,146,308)
Projected Balance Prior to 2022 Y/E Transfers	\$ 7,550,856 <i>(excludes in year changes to budget)</i>

The municipality should enter 2023 cautiously until we have a better understanding of inflationary impacts on the City’s operations, debt obligations, and capital plan.

Prepared by:

Reviewed by:

Reviewed and submitted for
Council’s consideration by:

“Original signed by”

“Original signed by”

“Original signed by”

Stephanie Leveille
Treasurer

Shelly Zubyck
Director of Corporate
Services

Amy Vickery
City Manager

Memo

To: Mayor and Council
From: Airianna Leveille, Deputy Clerk
Date: December 20, 2022
Subject: Fed Nor Funding Amendment
Attachments: 851-513645 Great Fire Centennial Celebration Amendment Letter

Mayor and Council:

The City hired a project coordinator in March of 2022 as part of a one-year contract to oversee the Great Fire Centennial Celebrations. As we begin to wrap up our project expenditures it was determined that the completion date through the FedNor Project Agreement (#851-513645) did not align with our project coordinators contract.

In order to complete this project and maximize the wage and benefit cost category to allow the City to claim up to one calendar year of wages we requested an amendment to extend the funding agreement from January 31, 2023 to March 7, 2023.

FedNor accepted our request and extended the statement of work to March 7, 2023. The funding contract amendment from Fed Nor will be included in the bylaw section of tonight’s agenda for approval. All other terms and conditions set out within this contribution agreement remain unchanged.

There is no additional cost or impact to the City.

Prepared by:

Reviewed by:

Reviewed and submitted for Council’s consideration by:

“Original signed by”

“Original signed by”

“Original signed by”

Airianna Leveille
Deputy Clerk

Shelly Zubycck
Director of Corporate
Services

Amy Vickery
City Manager



19 Lisgar Street
Suite 307
Sudbury, Ontario
P3E 3L4

19 rue Lisgar
Bureau 307
Sudbury (Ontario)
P3E 3L4

December 5, 2022

Project Number: 851-513645

Mr. Jeff Lafferiére
Mayor
Corporation of the City of Temiskaming Shores
325 Farr Drive, P.O. Box 2050
Haileybury ON P0J 1K0

Dear Mr. Lafferiére:

**Re: Great Fire of 1922 Centennial Celebration
Amendment Number: 1**

As a result of your request dated November 30, 2022 to extend the project completion date, FedNor is prepared to amend our Contribution agreement of December 22, 2021 as follows:

Delete: Clause 2.1 The Recipient shall ensure that the Project described in Annex 1 (the "Project") commences on or before March 1, 2022 (the "Commencement Date") and is completed on or before January 31, 2023 (the "Completion Date").

Substitute: Clause 2.1 The Recipient shall ensure that the Project described in Annex 1 (the "Project") commences on or before March 1, 2022 (the "Commencement Date") and is completed on or before March 7, 2023 (the "Completion Date").

Delete: Annex 1 THE PROJECT - STATEMENT OF WORK

iii) Dates:

b) Completion Date - January 31, 2023

Substitute: Annex 1 THE PROJECT - STATEMENT OF WORK

iii) Dates:

b) Completion Date - March 7, 2023

All other terms and conditions of our Contribution agreement remain unchanged.

This amendment is open for acceptance for a period of 30 days following the date on the first page, after which it will be null and void. This amendment shall be effective the date the duplicate copy of this amendment, unconditionally accepted and duly executed by the Recipient, is received by FedNor.

If further information is required, please contact Denise Deschamps toll-free at 1-877-333-6673 ext. 3276 or 705-471-3276 in our North Bay office.

Yours sincerely,

Barrette, Marc
Digitally signed by
Barrette, Marc
Date: 2022.12.05 11:17:47
-05'00'

Lucie Perreault
Executive Director
Federal Economic Development Agency for Northern Ontario (FedNor)

Corporation of the City of Temiskaming Shores

Project Number: 851-513645

Amendment Number: 1

The foregoing is hereby accepted this _____ day of _____, _____.

Per: _____
Signature of Recipient

Title

Per: _____
Signature of Recipient

Title

Subject: ZBA-2022-03: 884402 Highway 65 West

Report No.: CS-046-2022

Agenda Date: December 20, 2022

Attachments

- Appendix 01:** Planning Report
- Appendix 02:** Application Package
- Appendix 03:** Public Notice and Comments
- Appendix 04:** Draft By-law to amend Zoning By-law No. 2017-154 (**Please refer to By-Law 2022-180**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-046-2022;
2. That Council agrees to amend the provisions of the City of Temiskaming Shores Zoning By-law 2017-154 to permit the zone change from Community Facilities (CF) to Rural Residential Exception 3 (R1-3);
3. That Council directs staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law 2017-154 for consideration at the December 20, 2022 Regular Council meeting.

Background

The applicant is acting on behalf of the purchaser of the subject property, who is requesting the zoning by-law amendment in order to convert the existing place of worship on the subject property to a single detached residential dwelling.

A site-specific exception is also required in order to recognize the reduced lot area of the existing property. The zoning is proposed to be changed from Community Facilities (CF) to Rural Residential Exception 3 (RU-3).

Analysis

The public meeting was held on December 6, 2022 and no written or oral comments were received from the public circulation. No concerns were noted through circulation to City staff. Comments were received from the Ministry of Transportation (MTO) and are

attached in Appendix 03 to this report. These comments are also summarized in the planning report attached as Appendix 01. The applicant will be responsible for ensuring MTOs requirements are met, as the property fronts on and has direct access to an MTO-controlled roadway.

The planning report attached as Appendix 01 provides information regarding the application within the policy framework.

It is the opinion of the undersigned that the proposed Zoning By-law amendment is consistent with the Provincial Policy Statement (2020), does not conflict with the Growth Plan for Northern Ontario, complies with the City of Temiskaming Shores Official Plan, and represents good planning. It is recommended that Council adopt the propose Zoning By-law amendment.

Relevant Policy / Legislation / City By-Law

- 2020 Provincial Policy Statement
- Growth Plan for Northern Ontario
- City of Temiskaming Shores Official Plan
- City of Temiskaming Shores Zoning By-law 2017-154
- Ministry of Agriculture, Food and Rural Affairs Publication 853: The Minimum Distance Separation (MDS) Document

Consultation / Communication

- Consultation with property owner and applicant
- Consultation with applicable City staff
- Consultation with the Timiskaming Health Unit
- Consultation with the Ministry of Transportation
- Consultation with the Ministry of Agriculture, Food and Rural Affairs

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

Staffing implications related to this matter are limited to normal administrative functions and duties.

It is noted that as a religious institution this property is currently exempt from taxation. Once the property is transferred to a private landowner it will be fully taxable.

Climate Considerations

The purpose of this amendment is to allow for the adaptive re-use of an existing building and associated parking area, and based on the use of the Clean Air Partnership Climate Lends, is expected to have a negligible impact on climate-related considerations.

Alternatives

No alternatives were considered

Submission

Prepared by:

Reviewed by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

Jennifer Pye, MCIP,
RPP
Planner

"Original signed by"

Shelly Zubyck
Director of Corporate
Services

"Original signed by"

Amy Vickery
City Manager



Discover a whole new Ontario • Découvrez un tout nouvel Ontario

Planning Report

Zoning By-law Amendment Application: ZBA-2022-03

Owner: Trustees of the Hillview United Church
Applicant: Donna Desmarais

Property: 884402 Highway 65 West

Roll No.: 5418-020-001-100.00

December 12, 2022

Subject Land

884402 Highway 65 West; DYMOND CON 3 N PT LOT 3 RP TER311 PART 2 PCL 14963SST

Background and Purpose of the Application

The applicant is acting as the agent for the purchaser of the subject property, and the intention is to convert the existing church building into a single detached dwelling. The property is currently zoned Community Facilities (CF), and the applicant is seeking a site-specific amendment to rezone the property to Rural Residential Exception 3 (R1-3) in order to permit the conversion of the existing building, and to recognize the reduced lot area of the existing property.

The subject property is designated Agricultural Land in the City of Temiskaming Shores Official Plan.

Statutory Public Notice

The complete application was received on November 8, 2022. Notice of the complete application and public hearing was advertised in the Temiskaming Speaker on November 16, 2022 in accordance with the statutory notice requirements of the Planning Act. Notice was also mailed to property owners within 120 metres of the subject land in accordance with the City's common practice.

The public hearing was held on December 6, 2022. No members of the public made oral submissions at the public hearing and no written submissions have been received as of the date of this report.

Site Analysis

The subject property has an area of 3,751 square metres (0.927 acres) and is an irregular shape. It has 53 metres (175 feet) of frontage on Highway 65 West. The property slopes toward the rear, with the frontage being the highest point.

Servicing

The property is serviced with an on-site well for which the applicant has provided the well record and results of water testing completed by the current owner. The property also contains an on-site septic system which was installed in the 1960s. The Timiskaming Health Unit does not have a record of the current system and as such they have indicated that they cannot certify the existing system. The applicant has provided an affidavit stating that a new system will be installed prior to occupancy of the proposed dwelling.

Access

The property fronts on and has two existing accesses to Highway 65 West, which is owned and maintained on a year-round basis by the Province through the Ministry of Transportation (MTO). MTO was circulated on this application and indicated that they support the application in principle, with some additional comments that are summarized in the Public and External Agency Comments section of this report.

Existing Land Use

The existing building on the property has been used as a place of worship since it was constructed in the 1960s. According to the application the building has an area of 154.7 square metres (1,666 square feet) and there is a small, detached accessory building located at the rear of the property. There is also a large gravel parking area located in front of the building that spans the width of the property.

Adjacent Land Uses

North: Public road (Highway 65 West); Agriculture (A1) Zone
South: Agriculture (A1) Zone
East: Rural Residential (R1) Zone
West: Agriculture (A1) Zone; Rural Residential (R1) Zone

Planning Analysis

Provincial Policy Statement (2020)

The Provincial Policy Statement (PPS) sets out the Provincial government's policy direction on matters of Provincial interest as they relate to land use planning and development. The PPS provides for appropriate development while protecting resources of provincial interest, public health and safety, and the quality of the natural and built environment.

The property is located outside of the established settlement area boundary for the City, in an agricultural setting. The property is within a strip of primarily rural residential development on the south side of Highway 65 West to the west of New Liskeard.

While the PPS is meant to be read and interpreted in its entirety, there are policies that are more applicable in every situation. The policies set out below are most applicable to the subject application. The exact wording of each applicable policy is included in italic font; underlined words and phrases indicate that the term is defined in the PPS and the PPS definition must be used when interpreting the applicable policy. The definitions have also been included, where they are important to the interpretation and application of the policy as it relates to the subject application.

1.0 Building Strong Healthy Communities

1.1 Managing and Directing Land Use to Achieve Efficient and Resilient Development and Land Use Patterns

1.1.4 Rural Areas in Municipalities

1.1.4.1 Healthy, integrated and viable rural areas should be supported by:

- a) building upon rural character, and leveraging rural amenities and assets;*
- b) promoting regeneration, including the redevelopment of brownfield sites;*
- c) accommodating an appropriate range and mix of housing in rural settlement areas;*
- d) encouraging the conservation and redevelopment of existing rural housing stock on rural lands;*
- e) using rural infrastructure and public service facilities efficiently;*
- f) promoting diversification of the economic base and employment opportunities through goods and services, including value-added products and the sustainable management or use of resources;*
- g) providing opportunities for sustainable and diversified tourism, including leveraging historical, cultural, and natural assets;*
- h) conserving biodiversity and considering the ecological benefits provided by nature; and*
- i) providing opportunities for economic activities in prime agricultural areas, in accordance with policy 2.3.*

"Rural area" is defined as: a system of lands within municipalities that may include rural settlement areas, rural lands, prime agricultural areas, natural heritage features and areas, and resource areas. The rural area in the City of Temiskaming Shores is essentially the entire area of the City outside of the defined settlement area boundaries (generally, the built-up areas of the City and an area of surrounding land for future development).

The conversion of the existing church building to a residential dwelling is in keeping with the character of the surrounding area as the property is located in a strip of existing residential dwellings; the conversion of the church building, although not considered a brownfield site within the definition provided in the PPS, represents the adaptive re-use of an existing and currently underutilized building (as the church ceased operation earlier this year); and the property fronts on and has existing access to a public roadway that is maintained year-round.

1.1.5 *Rural Lands in Municipalities*

1.1.5.2 *On rural lands located in municipalities, permitted uses are:*

- a) *the management or use of resources;*
- b) *resource-based recreational uses (including recreational dwellings);*
- c) *residential development, including lot creation, that is locally appropriate;*
- d) *agricultural uses, agriculture-related uses, on-farm diversified uses and normal farm practices, in accordance with provincial standards;*
- e) *home occupations and home industries;*
- f) *cemeteries; and*
- g) *other rural land uses.*

1.1.5.3 *Development that is compatible with the rural landscape and can be sustained by rural service levels should be promoted.*

1.1.5.8 *New land uses, including the creation of lots, and new or expanding livestock facilities, shall comply with the minimum distance separation formulae.*

“Rural lands” is defined as *lands which are located outside settlement areas and which are outside prime agricultural areas*. Prime agricultural areas and prime agricultural land are subject to specific policies under the PPS and are therefore separated out of the more fine-grained policies applicable to the areas considered “rural lands.” The subject property is just outside of the area considered as prime agricultural land and is therefore not subject to those more stringent policies under the PPS. The proposed conversion represents locally-appropriate residential development as the property is located in a strip of primarily residential development, is an existing property with an existing building, and has existing access to a public road.

The minimum distance separation (MDS) formulae, administered by the Ministry of Agriculture, Food and Rural Affairs (OMAFRA) aims to minimize odour conflicts between livestock operations and non-agricultural uses by prescribing separation distances based on the number and type of livestock housed on a property, the tillable hectares of an agricultural property, and the type and intensity of the non-agricultural uses. MDS applies to both the construction of a new non-agricultural use in proximity to an existing livestock operation (using the MDS I formula), as well as a new or expanding livestock operation in proximity to an existing non-agricultural use (MDS II formula). In the case of the current application, the existing use on the property would be considered a Type B (more sensitive; higher potential for odour conflicts) land use under OMAFRAs MDS publication. Residential dwellings are generally considered to be Type A (less sensitive; lower potential for odour conflicts) land uses, although the City’s Official Plan requires a new residential dwelling in the Agriculture designation to be considered a Type B land use. As there is no change to the land use type per the MDS formulae, an MDS calculation was not required for this application.

1.6 *Infrastructure and Public Service Facilities*

1.6.6 *Sewage, Water and Stormwater*

1.6.6.4 *Where municipal sewage services and municipal water services or private communal sewage services and private communal water services are not available, planned or feasible, individual on-site sewage services and individual on-site water services may be used provided that site conditions are suitable for the long-term provision or such services with no negative impacts. In settlement areas, individual on-site sewage services and individual on-site water services may be used for infilling and minor rounding out of existing development.*

The property is outside of the municipal service catchment area and therefore private services are the only option for sewage and water services. Private communal services have not traditionally been utilized in the City and are not available in this area.

The existing building on the property is serviced with an on-site septic system that was installed in the 1960s. Records of the existing system could not be located and the Timiskaming Health Unit, as the approval authority for septic systems in the Timiskaming District, indicated that the existing system could not be certified. The applicant has supplied an affidavit indicating that a new septic system will be installed and the Certificate of Use issued by the Health Unit prior to occupancy of the dwelling. The Chief Building Officer from the Timiskaming Health Unit attended the site and provided a letter indicating that the lot is large enough to support a new Class 4 septic system. The applicant has also supplied a letter from a local company providing sewage hauling services indicating that they have capacity in their lagoons to accommodate the effluent from the new system.

There is an existing drilled well on the property servicing the church building. The applicant has supplied a copy of the well record as well as a copy of drinking water test results completed in 2022.

Based on the above information it is my opinion that the proposed zoning by-law amendment application is consistent with the 2020 Provincial Policy Statement.

Growth Plan for Northern Ontario

The Growth Plan for Northern Ontario was developed under the Places to Grow Act to ensure greater growth occurs in an economically and environmentally sustainable manner.

A review of the Growth Plan for Northern Ontario confirms the proposal does not conflict with any of the Growth Plan policies.

City of Temiskaming Shores Official Plan

The City of Temiskaming Shores Official Plan is the implementation tool for the Provincial Policy Statement, while also guiding short- and long-term development in the community by directing land use and broad-stroke development policies within the local context. The subject property is designated Agricultural Land in the City of Temiskaming Shores Official Plan. Policies that are applicable to this application are included in their entirety below in italicized font.

11. Agriculture

11.16 Lots of Record

A lot of record is a legally created separate property that existed on the date of adoption of this Plan. These lots shall be used for farming or for other uses permitted in the Agriculture designation, and may contain a farm dwelling subject to the policies defining a farm unit. There are a few lots of record in the Agriculture designation that are vacant and are smaller than the minimum lot area requirements of Section 11.19 of this Plan. These lots of record may be used for one dwelling by zoning by-law amendment provided:

- 1. Agriculture or other permitted uses are not feasible or practical on the lot;*
- 2. The lot contains a limited amount of arable land (generally less than four hectares);*
- 3. The proposed dwelling complies with the MDS formula I using Type B land use;*
- 4. The site is suitable for residential construction;*
- 5. The soil is suitable for an individual on-site sewage disposal service;*
- 6. A potable water supply will be available; and*
- 7. The lot abuts a fully maintained public road.*

The subject property has been used for non-agricultural purposes since it was developed in the 1960s. Given the size of the property (3,751 square metres / 0.927 acres), its location among other residential properties, and the existing building on the property, agricultural uses would not be feasible or practical on the lot.

There is an existing livestock facility on the north side of Highway 65 West, across from the subject property. As detailed in the Provincial Policy Statement section of this report, a minimum distance separation formula

calculation was not required for this application.

The existing building on the property is to be converted within the current structure and no additional construction is proposed at this time, although future construction that is within the provisions of the zoning by-law would be permitted. Timiskaming Health Unit has indicated that the property is capable of supporting a new Class 4 septic system, a local company providing sewage hauling services has indicated that they have sufficient capacity in their lagoons to accommodate the effluent from the proposed system, and there is a drilled well on the property for which the applicant provided a well record as well as drinking water testing results from the Health Unit.

The property fronts on Highway 65 West, which is a public roadway owned and maintained by the Province through the Ministry of Transportation (MTO). As an adjacent property owner with direct control over the access to the property, MTO was circulated on the application. None of MTO's comments directly impact the City's decision to approve or refuse the application, and MTO has indicated that they have no objections in principle. The comments are provided in their entirety in the Public and External Agency Comments section of this report.

Based on the above information it is my opinion that the proposed zoning by-law amendment demonstrates consistency with the City of Temiskaming Shores Official Plan.

City of Temiskaming Shores Zoning By-law

The City of Temiskaming Shores Zoning By-law is the detailed implementation tool for the Official Plan. It sets out exactly what individual properties can be used for, as well as where building and structures can be located on a property, the size and height they can be, how much parking is required and where it can be located, etc.

The subject property is currently zoned Community Facilities (CF) in the City of Temiskaming Shores Zoning By-law. The purpose of the amendment is to rezone the property to Rural Residential Exception (R1-#) to permit the conversion of the existing building on the property to a residential dwelling, and to recognize the lot area being less than that required in the R1 zone.

The minimum lot area established in the Zoning By-law is 4,000 square metres (1 acre), which is the minimum area required to accommodate a private on-site well and septic system on a newly-created lot. As the approval authority for septic systems in the Timiskaming District, the Timiskaming Health Unit was consulted on the reduced lot area of the subject property, being 3,751 square metres (0.927 acres). Existing lots of record that are undersized can be considered for new private services provided there is enough separation on-site for the well and septic system, as well as between existing wells and septic systems located on adjacent properties. The Chief Building Officer from the THU conducted a site inspection and indicated that the subject property is suitable for the installation of a new Class 4 sewage system within the current requirements of the Ontario Building Code.

The information included on the application form indicates that the existing building has an area of 154.7 square metres (1,666 square feet), which is approximately 4% of the lot area. The Zoning By-law allows a maximum lot coverage of 20% in the R1 zone. A minimum of 1 parking space per dwelling unit is required and the property has ample space to meet this requirement.

Based on the above information it is my opinion that the proposed zoning by-law amendment maintains the intent and purpose of the City of Temiskaming Shores Zoning By-law as it relates to the proposed zoning of the subject property.

Comments Received from the Agency Circulation and Public Notification Process

The application was circulated to municipal departments, agencies, and the public. The following comments were received:

Manager of Environmental Services – *I have no comments or concerns.*

Manager of Transportation Services – *No concerns. It was noted this property is along Hwy 65W which is a MTO maintained Highway. The City does not maintain the roads, entrances, or appurtenances along this roadway.*

Chief Building Official – *I have no objections for the zoning change. As per Section 1.3.1.4 of the Ontario Building Code a change of use permit is required if no construction will be done, and a building permit is required in lieu of a change of use permit if compensating construction will be done to accommodate the new usage.*

Fire Chief – *No concerns from Fire Services.*

Director of Recreation – *I don't have any concerns.*

Director of Corporate Services – No comments received.

City Manager – *I have no objection to the zoning change.*

Clerk – *No concerns with this application from the Clerk's Dept.*

Economic Development and Funding Application Coordinator – No comments received.

Treasurer – No comments received.

Public and External Agency Comments:

- Ministry of Transportation: supportive of the application in principle, with the following comments (full comments attached with the administrative report package):
 - One of the existing entrance must be closed/removed and the right-of-way reinstated.
 - All signage on the subject lands must be removed.
 - MTO residential entrance (change of ownership) permit will be required in order to reflect the change in design and ownership. There is no cost to the applicant.
 - Placement of any new building/structure within 45 metres of the Hwy 65 right-of-way will require an MTO building/land use permit.
- Timiskaming Health Unit: unable to examine existing system because it was not exposed, but as it is a steel tank it will need to be replaced before occupancy. The lot is large enough to support a new Class 4 septic system and the Timiskaming Health Unit Land Control has no objections to the rezoning provided a new system is installed (full comments attached with the administrative report package).

Conclusion

The proposed Zoning By-law amendment will rezone the subject property from Community Facilities (CF) to Rural Residential Exception (R1-#) and will recognize the reduced lot area of the existing lot of 3,751 square metres.

As previously outlined in this report, the proposed amendment is appropriate because:

- ✓ The property fronts on and has existing direct access to a public road that is maintained on a year-round basis;
- ✓ The property is located within an existing strip of developed rural residential properties on the south side of Highway 65 West;
- ✓ The proposed residential use is not more sensitive than the existing place of worship use under the minimum distance separation guidelines;
- ✓ Ample parking is existing on-site;
- ✓ The existing building will be renovated within the current building envelope and no additional construction is currently proposed on the property;

- ✓ The applicant has supplied an affidavit indicating that they will install a new Class 4 septic system and obtain a Certificate of Use for the new system prior to occupancy of the building in accordance with the Ontario Building Code;
- ✓ The applicant has indicated that they will work with the Ministry of Transportation to ensure the Ministry's comments are addressed.

Recommendation

Based on the information presented in this report, in my opinion, the proposed Zoning By-law amendment is consistent with the Provincial Policy Statement (2020); does not conflict with the Northern Ontario Growth Plan; complies with the City of Temiskaming Shores Official Plan; and represents good planning.

It is therefore recommended that Council approve the Zoning By-law Amendment application.

Respectfully submitted,

Jennifer Pye, MCIP, RPP
Planner



The City of Temiskaming Shores
P.O. Box 2050
325 Farr Drive
Haileybury, Ontario P0J 1K0
705-672-3363

**Application for Zoning By-law Amendment
Under Section 34 of the Planning Act**

Fee for Application to Amend the Zoning By-law: \$750 + \$100 advertising fee + 13% HST = \$960.50

Please read before completing this application

This application reflects the mandatory information that is prescribed in the Schedules to Ontario Regulation 545/06 made under the Planning Act, RSO, 1990, as amended, as well as information required by the City of Temiskaming Shores to assist in the assessment of the proposal.

In addition to completing this form, the Applicant is required to submit the fee, a detailed site plan and any additional information or studies that may be necessary to assess the proposal.

Failure to submit the required information will delay the consideration of this Application. An application which is not considered complete under the Planning Act is not subject to the timelines of the Act.

Applicants are encouraged to consult with the Municipality prior to completing the application.

OFFICE USE ONLY

File No.: ZBA-2022-03

Date Received: November 8, 2022

Roll No.: 5418-020-001-100.00

1. Owner Information

Name of Owner: The Trustees of the Hillview United Church Gerald Katsung
Mailing Address: P.O. Box 753, New Liskeard, ON P0J 1P0
Email Address: [REDACTED] Phone: [REDACTED]

If more than one registered owner, please provide information below (attach separate sheet if necessary):

Name of Owner: Margaret Villneff
Mailing Address: [REDACTED] New [REDACTED] ON P0J1P0
Email Address: [REDACTED]@gmail.com Phone: [REDACTED]

2. Applicant/Agent Information (if applicant is not the owner or applicant is an agent acting on behalf of the owner):

Name of Agent: Donna Desmarais
Mailing Address: [REDACTED]
Email Address: [REDACTED] Phone: [REDACTED]

3. Please specify to whom all communications should be sent:

Owner Applicant/Agent

4. Property Information

a. Location of the subject land:

Dymond New Liskeard Haileybury

Municipal Address
884402 Hwy 65 West, Temiskaming Shores, ON

Legal Description (concession and lot numbers, reference plan and lot/part numbers)
PCL 14963, PT LT 3, Con 3, DYMOND PT 2 TER311 EXCEPT PT 2 54R1153

b. Date the subject land was acquired by the current owner: 1962

c. Names and addresses of the holders of any mortgages, charges, or other encumbrances of the subject land:

N/A

d. Are there any easements or restrictive covenants affecting the subject land?

Yes No

If yes, describe the easement or covenant and its effect:

[REDACTED]

e. Dimensions of subject land:

Lot Area: 0.927 ACRES Road Frontage: 175.31 FEET
 Water Frontage: N/A Lot Depth: 318.93 FEET (IRREGULAR)

f. Existing use(s) of the subject land (check all that apply):

- Residential Commercial Industrial
 Institutional Agricultural Vacant
 Mixed Use (specify): _____
 Other (specify): PLACE OF WORSHIP (CHURCH)

g. Length of time the existing uses of the subject land have continued: 60 YEARS

h. Are there any buildings or structures existing on the subject land?

- Yes No

If yes, complete the table below (attach a separate sheet if necessary):

	Building 1	Building 2	Building 3	Building 4	Building 5
Type or use of building	CHURCH				
Height of building (m)	7 m				
Setback from front lot line (m)	18 m				
Setback from rear lot line (m)	35 m				
Setback from side lot line one side (m)	27 m				
Setback from side lot line other side (m)	15m				
Setback from shoreline (m)	n/a				
Dimensions (m) or floor area (m ²)	1666				
Date constructed	1962				
Is building to remain or be removed?	remain				

i. Has the subject land ever been used for commercial or industrial purposes?

- Yes No

If yes, has a Record of Site Condition ever been completed in accordance with Ontario Regulation 153/04?

- Yes No

j. Existing use(s) of abutting properties:

North: farm East: residential
 South: farm West: residential

k. Are any of the following uses or features on the subject land or within 500m (unless otherwise specified)?

Use or Feature	On the subject land	Within 500 metres of subject land (indicate approximate distance)
An agricultural operation including livestock or stockyard	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>200 m</u>
A landfill	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
A sewage treatment plant or waste stabilization plant	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
A provincially significant wetland (Class 1, 2 or 3 wetland)	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
A provincially significant wetland within 120 metres of the subject land	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
A waterbody, watercourse, river, or stream	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>300 m</u>
A rehabilitated mine site	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
A non-operating mine site within 1 kilometre of the subject land	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
An active mine site, gravel pit or quarry	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
An industrial or commercial use (specify)	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
An active railway line	<input type="checkbox"/>	<input type="checkbox"/> <u>n/a</u>
Utility corridor(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/> <u>500 m</u>
Provincial Highway	NA	<input checked="" type="checkbox"/> <u>along frontage</u>

5. Planning Information

a. Current Official Plan Designation(s): Agricultural Land

b. Explain how the application conforms with the Official Plan:

This is an existing lot of record that is currently developed and the rezoning will not negatively impact the future potential of agricultural intentions in the area

c. Current Zoning: Community Facility

d. Nature and extent of the rezoning being requested:

Community Facility to R1

e. Reason why rezoning is being requested:

The Church is no longer in operation and Trustees are selling the property and the applicant intends to convert to residential use

f. Is the subject land within an area where the municipality has predetermined the minimum and maximum density requirements or the minimum and maximum height requirements?

Yes No

If yes, provide a statement of these requirements:

g. Is the subject land within an area where zoning with conditions may apply?

Yes No

If yes, explain how the application conforms to the Official Policies related to zoning with conditions:

h. Does the application propose to change the boundary of a settlement area or establish a new area of settlement?

Yes No

If yes, provide details of the current Official Plan policies or Official Plan Amendment dealing with the alteration or establishment of an area of settlement:

i. Does the application propose to remove land from an area of employment?

Yes No

If yes, provide details of the current Official Plan policies or Official Plan Amendment dealing with the removal of land from an area of employment:

6. Proposed Use of Property

a. Proposed use(s) of the subject land (check all that apply):

- Residential Commercial Industrial
 Institutional Agricultural Vacant
 Mixed Use (specify): _____
 Other (specify): _____

b. Are any buildings proposed to be constructed on the property?

Yes No

If yes, complete the table below (attach a separate sheet if necessary):

	Building 1	Building 2	Building 3	Building 4	Building 5
Type or use of building					
Height of building (m)					
Setback from front lot line (m)					
Setback from rear lot line (m)					
Setback from side lot line one side (m)					
Setback from side lot line other side (m)					
Setback from shoreline (m)					
Dimensions (m) or floor area (m ²)					

7. Access and Servicing

a. What type of access is proposed for the subject land?

- | | |
|--|---------------------------------------|
| <input checked="" type="checkbox"/> Provincial Highway | <input type="checkbox"/> Private Road |
| <input type="checkbox"/> Municipal Road, maintained all year | <input type="checkbox"/> Right-of-Way |
| <input type="checkbox"/> Municipal Road, maintained seasonally | <input type="checkbox"/> Water Access |
| <input type="checkbox"/> Other (specify): _____ | |

i. If access to the subject land will be by water only, describe the docking and parking facilities to be used and the approximate distance to these facilities from the subject land and the nearest public road:

b. What type of water supply is proposed for the subject land?

- Publicly owned and operated piped water supply (City water)
- Privately owned and operated individual well
- Privately owned and operated communal well
- Lake or other water body
- Water service not proposed
- Other (specify): _____

c. What type of sewage disposal is proposed for the subject land?

- Publicly owned and operated sanitary sewage system (City sewer)
- Privately owned and operated individual septic system
- Privately owned and operated communal septic system
- Privy
- Sewage disposal service not proposed
- Other (specify): _____

i. If the proposed amendment would permit development on a privately owned and operated individual or communal septic system, and more than 4,500 litres of effluent would be produced per day as a result of the development being completed, a servicing options report and a hydrogeological report prepared by a qualified professional are required to be submitted:

- Title and date of servicing options report: _____
- Title and date of hydrogeological report: _____

d. What type of storm drainage is proposed for the subject land?

Storm sewer

Ditches

Swales

Other (specify): _____

8. Previous Applications

Has the subject land ever been the subject of any of the following applications under the Planning Act (if the answer to any of the following is yes, please provide the file number and status of the application if known):

Unknown

Official Plan Amendment Yes No File No.: _____ Status: _____

Zoning By-law Amendment Yes No File No.: _____ Status: _____

Minor Variance Yes No File No.: _____ Status: _____

Plan of Subdivision Yes No File No.: _____ Status: _____

Consent Yes No File No.: _____ Status: _____

Site Plan Control Yes No File No.: _____ Status: _____

Minister's Zoning Order Yes No File No.: _____ Status: _____

9. Concurrent Applications

Is the subject land currently the subject of any of the following applications under the Planning Act (if the answer to any of the following is yes, please provide the file number and status of the application if known):

Official Plan Amendment Yes No File No.: _____ Status: _____

Zoning By-law Amendment Yes No File No.: _____ Status: _____

Minor Variance Yes No File No.: _____ Status: _____

Plan of Subdivision Yes No File No.: _____ Status: _____

Consent Yes No File No.: _____ Status: _____

Site Plan Control Yes No File No.: _____ Status: _____

10. Provincial Policies

a. Is the proposed zoning by-law amendment consistent with the policy statements issued under subsection 3(1) of the Planning Act?

Yes No

i. If yes, explain how the zoning by-law amendment is consistent with the policy statements issued under subsection 3(1) of the Planning Act:

The property is currently developed and the proposed rezoning will provide a less intense use of the property without creating any new interest in land

b. Is the subject land within an area of land designated under any provincial plan or plans?

Yes No

i. If yes, explain how the zoning by-law amendment conforms or does not conflict with the provincial plan or plans:

it does not conflict with the ~~gross~~ plan for Northern Ontario growth

11. Public Consultation Strategy

Detail the proposed strategy for consulting with the public with respect to the application:

Follow Planning Act requirements

Other (please specify):

[Empty box for specifying other consultation strategies]

12. Additional Studies or Information

Additional studies or information may be required by the Municipality to support the application. The application may not be considered a complete application unless these studies have been completed. Applicants are advised to pre-consult with the Municipality to determine what additional studies or information is required.

List of additional studies or information required by the Municipality (to be provided by the Municipality):

Affidavit for new septic system

- _____
- _____
- _____

13. Sketch

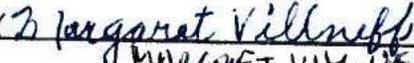
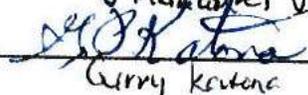
The application shall be accompanied by a site plan showing the following information:

- The boundaries of the subject land;
- The location, size and type of all existing and proposed buildings and structures on the subject land, indicating their distance from the front lot line, rear lot line and side lot lines;
- The approximate location of all natural and artificial features (for example: buildings, railways, roads, watercourses, drainage ditches, banks of rivers or streams, wetlands, wooded areas, wells and septic tanks, etc.) that:
 - Are located on the subject land and on land that is adjacent to the subject land, and
 - In the applicant's opinion, may affect the application;
- The current uses of land that is adjacent to the subject land;
- The location, width, and name of any roads within or abutting the subject land, indicating whether it is an unopened road allowance, a public travelled road, a private road or a right of way;
- If access to the subject land will be by water only, the location of the parking and docking facilities to be used;
- The location and nature of any easement affecting the subject land.

14. Applicant/Agent Authorization

If the applicant is not the owner of the land that is the subject of this application, the written authorization of the owner that the applicant is authorized to make the application must be included with this form or the authorization set out below must be completed.

MARGARET VILLNEFF
I/We, Jerry Katona, Trustee Of Hillview United Church are the registered owners of the subject land and I/we hereby authorize Donna Desmarais to make this application on my/our behalf and to provide any of my/our personal information that will be included in this application or collected during the processing of the application.

Date: Nov. 3/22 Owner's Signature: X 
Date: Nov 3/22 Owner's Signature: X 
MARGARET VILLNEFF
Jerry Katona

15. Authorization for Site Visits

I/We authorize Municipal Staff and Council and/or Committee members, as necessary, to enter the subject property to gather information necessary in the assessment of the application.

 _____
Applicant Initial Applicant Initial

16. Notice re: Use and Disclosure of Personal Information

In accordance with the Planning Act and the Municipal Freedom of Information and Protection of Privacy Act, I/We acknowledge and understand that any information collected on this form and any supplemental information submitted as part of this application can be disclosed to any person or public body.

 _____
Applicant Initial Applicant Initial

17. Declaration of Applicant

- ✓ If the application is being submitted by the property owner and there is more than one registered owner, each owner must complete a separate declaration.
- ✓ If the application is being submitted by the property owner and the owner is a firm or corporation the person signing this declaration shall state that he/she has authority to bind the corporation or affix the corporate seal.
- ✓ This declaration must be completed in front of a Commissioner for Taking Affidavits.

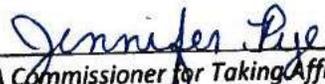
I, Donna Desmarais of the CITY OF TEMISKAMING SHORES
in the DISTRICT of TEMISKAMING make oath and say
(or solemnly declare) that the information contained in this application is true and that the information contained in
the documents that accompany this application is true and I make this solemn declaration conscientiously knowing
that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Sworn (or declared) before me

at the City of Temiskaming Shores
in the District of Temiskaming
this 8th day of November, 2020



Signature of Applicant



A Commissioner for Taking Affidavits

Jennifer Lynn Pye, a Commissioner, etc.,
Province of Ontario, for the Corporation of the
City of Temiskaming Shores
Expires June 26, 2024.

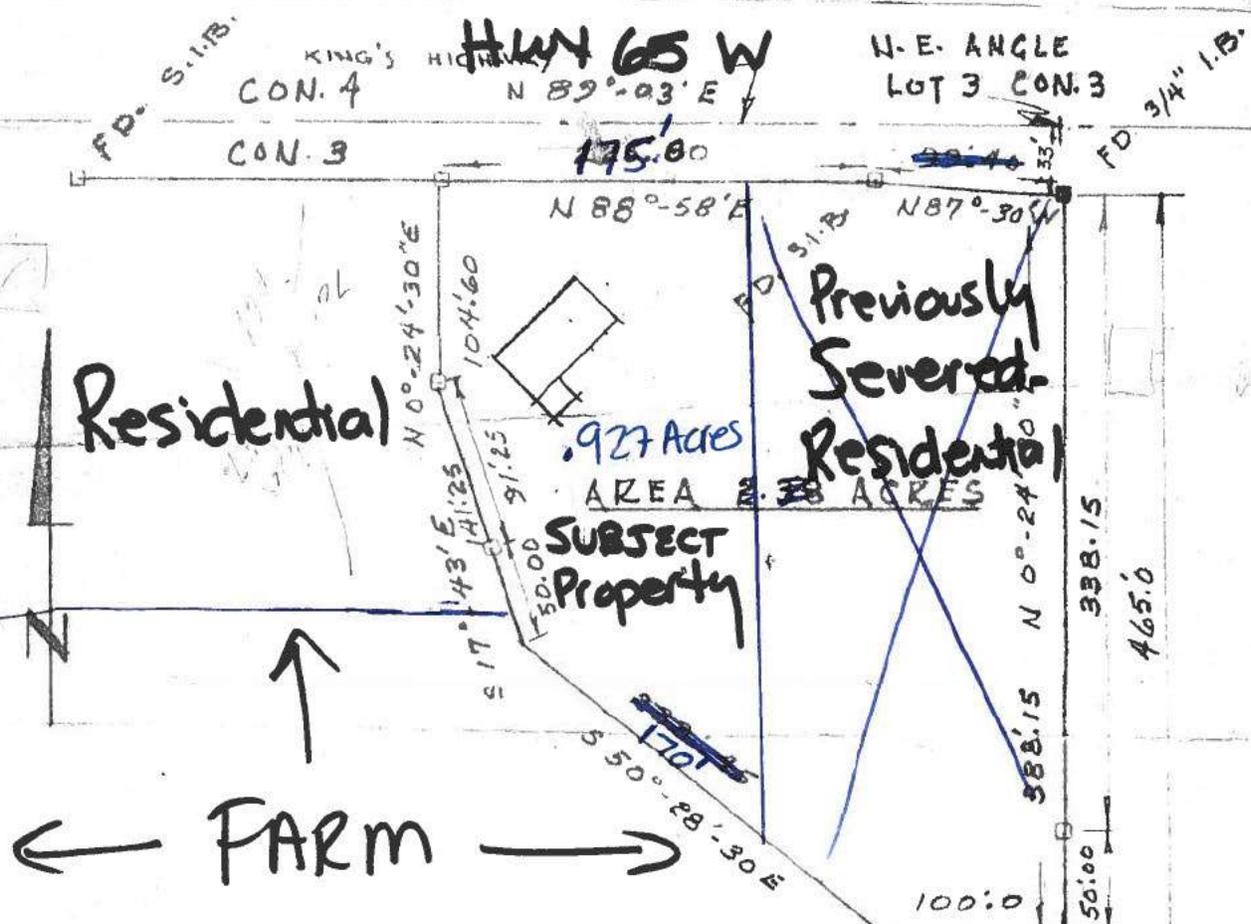
PLAN OF PART OF NORTH HALF
LOT 3 CON. 3

TOWNSHIP OF DYMOND
DISTRICT OF TEMISKAMING
SCALE 1" = 100'

NEW LISKEARD ONTARIO
MAY 26, 1962

← FARM LAND →

W.O. Pringley
ONTARIO LAND SURVEYOR



BEARING ASSUMED AS
DERIVED FROM D.H.O. PLAN (NOT REGISTERED)

0 5/8" X 2' IRON BAR MKD. "797"

← FARM →

FD 3/4" I.B.
LOT 3
LOT 4



Application for a Zoning By-law Amendment

Notice of Complete Application And Notice of Statutory Public Hearing

Under Section 45 of the Planning Act, R.S.O. 1990 c.P.13

The City of Temiskaming Shores has received the following application to amend the City of Temiskaming Shores Zoning By-law:

File #: ZBA-2022-03
Owner: The Trustees of the Hillview United Church
Applicant: Donna Desmarais
Property: 884402 Highway 65 West

A public meeting will be held to consider the minor variance application:

Date: Tuesday, December 6, 2022
Time: 6:00 p.m.
Place: Council Chambers at City Hall, 325 Farr Drive, Haileybury
Please contact the undersigned for alternative participation options

The applicant is proposing to rezone the subject land from Community Facilities (CF) to Rural Residential Exception (R1-#) to allow the conversion of the existing place of worship building on the property to a single detached residential dwelling. The purpose of the exception is to recognize the existing lot area of 3,751 square metres (0.927 acres).

The property is designated Agricultural Land in the City of Temiskaming Shores Official Plan.

Any person may attend the public meeting and/or make written or verbal presentation to express support of, or opposition to, this application. If you are aware of any person who may be affected by this application, who has not received a copy of this notice, it would be appreciated if you would inform them of the application.

Written comments on this application may be forwarded to the City prior to the hearing.

If you are receiving this notice as the owner of a multi-unit residential building, please post this notice in a location that is visible to all of the residents.

If you wish to be notified of the decision of the City of Temiskaming Shores on the proposed Zoning By-law Amendment, you must make a written request to the City of Temiskaming Shores at the address below.

If a person or public body would otherwise have an ability to appeal the decision of the Council of the City of Temiskaming Shores to the Local Planning Appeal Tribunal but the person or public body does not make oral submissions at a public meeting or make written submissions to the City of Temiskaming Shores before the by-law is passed, the person or public body is not entitled to appeal the decision.

If a person or public body does not make oral submissions at a public meeting, or make written submissions to the City of Temiskaming Shores before the by-law is passed, the person or public body may not be added as a party to the hearing of an appeal before the Local Planning Appeal Tribunal unless, in the opinion of the Tribunal, there are reasonable grounds to do so.

Additional information pertaining to the application is available by contacting the undersigned.

From: [Cole, Cameron \(MTO\)](#)
To: [Jennifer Pye](#)
Cc: [Muldoon, Laurel \(MTO\)](#); [Dugas, Natalie \(MTO\)](#)
Subject: RE: City of Temiskaming Shores Zoning By-law Amendment Application ZBA-2022-03 - 884402 Highway 65 West, Hillview United Church
Date: Thursday, November 24, 2022 3:07:53 PM
Attachments: [image001.png](#)
[ZBA-2022-03 Public Notice - mail.pdf](#)
[ZBA-2022-03 Application Sketch.pdf](#)
[ZBA-2022-03 Application Form.pdf](#)

Hi there Jennifer,

The Ministry of Transportation of Ontario (MTO) has reviewed the attached Zoning By-Law application **ZBA-2022-03** to rezone the subject lands from Community Facilities (CF) to Rural Residential Exception (R1-#) to permit converting the existing church to a single detached residential dwelling. The subject lands are located within MTO's permit control area and is subject for review under the *Public Transportation and Highway Improvement Act R.S.O 1990*. The MTO supports the application in principle with the following comments as conditions of consent:

- One (1) of the existing entrances must be closed/removed and the right-of-way reinstated.
- All signage on the subject lands must be removed
- MTO residential entrance (change of ownership) permit will be required in order to reflect the change in design and ownership. This will come at no cost to the client.
- Placement of any new building/structure within 45 meters of the Hwy 65 right-of-way will require an MTO building / land use permit.

All permit applications can be made online at the following link:

<https://www.hcms.mto.gov.on.ca/>

Any questions regarding setbacks or permitting can be directed to Natalie Dugas, Corridor Management Officer natalie.dugas@ontario.ca

If there are any other questions or concerns, don't hesitate to contact me.

Thank you,

Cameron Cole

Corridor Management Planner

Corridor Management, Northeast Region

Ministry of Transportation

447 McKewen Ave

North Bay, Ontario, P1B 9S9

Phone: 705-491-6133

Email: cameron.cole2@ontario.ca

From: Jennifer Pye <jpye@temiskamingshores.ca>

Sent: November 17, 2022 11:01 AM

To: Cole, Cameron (MTO) <Cameron.Cole2@ontario.ca>

Subject: City of Temiskaming Shores Zoning By-law Amendment Application ZBA-2022-03 - 884402 Highway 65 West, Hillview United Church

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Hi Cameron,

Please see attached information for the above-noted zoning by-law amendment application. The purpose of the application is to rezone the property from Community Facilities (CF) to Rural Residential Exception (R1-#) to permit the conversion of the existing church building on the property to a single detached dwelling (the purpose of the exception is to recognize the reduced lot area of the existing property). I spoke with Natalie Dugas about the residential conversion of this property earlier this year, when MTO did not have a planner for the Timiskaming area, and we came to the assessment that as the intensity of a residential use would be less than that of a place of worship there would be no concerns, but I wanted to ensure you are aware and able to provide comments as well.

The public meeting for this application will be held on December 6.

Please let me know if you have any questions.

Thank you,

Jennifer Pye, MCIP, RPP
Planner

Corporation of the City of Temiskaming Shores

325 Farr Drive, P.O Box 2050, Haileybury, ON, P0J 1K0

Office 705 672 3363 ext. 4105

Fax 705 672 3200



Visit our website: www.temiskamingshores.ca

DISCLAIMER: This message may contain information that is privileged or confidential and is intended to be for the use of the individual (s) or entity named above. This material may contain confidential or personal information which may be subject to the provisions of the Municipal Freedom of Information & Protection of Privacy Act. If you are not the intended recipient of this e-mail, any use, review, retransmission, distribution, dissemination, copying, printing, or other use of, or taking of any action in reliance upon this e-mail, is strictly prohibited. If you have received this e-mail in error, please contact the sender and delete the original and any copy of this e-mail, and any printout thereof, immediately. Your cooperation is appreciated.

Subject: Zack's Crib – Building Permit Fees

Report No.: CS-047-2022

Agenda Date: December 20, 2022

Attachments

None.

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-047-2022;
2. That Council acknowledges the request from DTSSAB and agrees to provide in-kind support to Zack's Crib by waiving the Building Permit Fee associated with the renovation of 183 Broadwood Ave. in the amount of \$6,650.

Background

Founded in 2018, Zack's Crib is a team of local volunteers raising funds to establish a safe bed facility in Temiskaming Shores. The project will develop in phases and the ultimate goal is to offer our community an in-house program to assist individuals who are dealing with homelessness and associated concerns.

As outlined by the Zack's Crib Board, Phase 1 will be a safe bed facility. Phase 2 will see this facility graduate into a shelter for homeless individuals and Phase 3 will be the development of associated programs and services. This facility will allow individuals experiencing homelessness, to both find shelter, and the resources they need to create a life in which they feel secure and healthy.

Analysis

The location for Zack's Crib has been secured, however, the property requires a significant renovation.

Recently, City staff received a request from the District of Timiskaming Social Services Administration Board's Housing Services Manager to waive the building fees associated with the renovation.

In discussion with City staff, it was determined the estimated project cost for the renovation is \$700,000. This would result in a building permit fee of \$6,650.

Consultation / Communication

- Consultation with the City’s Interim CBO, and Planner.

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

Building permit fee revenues are budgeted annually as an estimate using year over year averages. As of December 1, 2022, the City has collected \$143,000 in building fee revenues.

Alternatives

That Council acknowledges the request from DTSSAB and does not agree to provide in-kind support to Zack’s Crib by waiving the Building Permit Fee associated with the renovation of 183 Broadwood Ave. in the amount of \$6,650.

Submission

Prepared by:

Reviewed and submitted for Council’s consideration by:

“Original signed by”

“Original signed by”

Shelly Zubycck
 Director of Corporate Services

Amy Vickery
 City Manager

Subject: Prosecution Services - POA

Report No.: CS-048-2022

Agenda Date: December 20, 2022

Attachments

Appendix 01: Draft Agreement (**Please refer to By-Law 2022-181**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-048-2022;
2. That Council directs staff to prepare the necessary by-law to enter into an agreement with Mr. Mariusz Przybylowski as a Court Prosecutor for consideration at the December 20th, 2022.

Background

Currently, the City of Temiskaming Shores has one prosecutor to authorize the execution of the Parts I and III of the Provincial Offences Act (Ontario) between His Majesty the King in Right of Ontario as represented by the Attorney General and The Corporation of the City of Temiskaming Shores.

Council entered into an agreement (By-law 2021-183) with Mr. Phillip Jones on December 21, 2021 to provide this service.

Analysis

Over the last year, Mr. Mariusz Przybylowski has been working in conjunction with Mr. Jones and has been providing coverage for prosecution services on an as needed basis. Given the nature of matters and transfer responsibility of permitted Part III POA prosecutions to the City of Temiskaming Shores the workload has increased significantly for one prosecutor. In discussions staff and the current prosecutor it was recommended that Mr. Przybylowski be appointed to allow for a split workload for Part 1 and Part III matters and coverage during absences to avoid any disruptions to court matters.

The draft agreement is attached as Appendix 1. This agreement is in line with that of the current prosecutor.

Items to note include:

Rate of pay \$100.00 per hour;

- a mileage rate as established by the Canada Revenue Agency on January 1st of each calendar year;
- a City provided telephone with toll-free number;
- Prosecutor responsibility to obtain a suitable replacement and for the transfer of files related to matters requiring prosecution in the French language, and during absences; and
- A provision regarding the independent contractor relationship, and other conditions such as insurance coverage (liability), WSIB, indemnification, notice, etc.

Consultation / Communication

- Consultation with Treasure and POA Coordinator

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 is no direct impact to the City’s Budget, as the Provincial Offences department has separate financials. The City is responsible for the administration of the POA office, court services and all related requirements.

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

Amy Vickery
 City Manager

Memo

To: Mayor and Council
From: Mitch McCrank, Manager of Transportation Services
Date: December 20th, 2022
Subject: 2022 OSIM Bridge and Culvert Inspection Program
Attachments: DM Wills Report

Mayor and Council:

In order to keep all structures in good repair, the structural integrity, safety and condition of every bridge shall be determined by performing at least one inspection in every second calendar year under the direction of a professional engineer and in accordance with the Ontario Structure Manual (Ontario Regulation 104/97).

Earlier in 2022, Council awarded the Engineering Services contract to DM Wills, to prepare the necessary documents to inspect the structures and prepare a capital plan.

These inspections and plans are now complete and have been provided to all members for their information and adoption.

It is Staff's goal to appropriately plan for construction works that have been identified within the document for the next few years. It should be noted that the next large Bridge Rehabilitation is tentatively scheduled for 2024 on Golf Course Road East Bridge.

Recommendation:

That Council receives this report regarding City of Temiskaming Shores Bridges, Culverts and Roof infrastructure based on the Ontario Structure Inspection Manual (OSIM) and Capital Plan prepared by DM Wills, for information.

Prepared by:

Reviewed and submitted for Council's
consideration by:

"Original signed by"

"Original signed by"

Mitch McCrank, CET
Manager of Transportation Services

Amy Vickery, CMO
City Manager



2022 OSIM Bridge and Culvert
Inspection Program

The City of Temiskaming Shores

D.M. Wills Project No. 9284



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

October 2022

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- Appendix B – Maintenance Needs
- Appendix C – Complete List of Rehabilitation Needs (10 Year Plan)
- Appendix D – 2022 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 twenty (20) roadway structures on behalf of the City in 2022. 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.
- Temiskaming Shores Town Hall, 325 Farr Drive, Haileybury.
- 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 2022 OSIM structure inspections, no specific Additional Investigation were identified.

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

It is further recommended to increase frequency of the roof inspection at the Temiskaming City Hall to ensure that the EPDM roof membrane has not ripped during high wind events. The roof membrane is subject to uplift (normal); however over time ripping or tearing of the membrane may result. A formal inspection of the membrane by the Manufacturer is also recommended to properly determine remaining life and future replacement timing.

4.0 10-Year Capital Bridge and Culvert Program

Of the twenty (20) bridges and culverts inspected, fourteen (14) 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 1 with a total estimated cost of \$ 5,555,000 (\$2022).

Please refer to Appendix C for a complete list of all bridge and culvert required rehabilitation measures.

Please note Urgent repairs required to Culvert No. 11 in 2022.

Table 1 - Recommended 10-Year Capital Bridge and Culvert Program

Capital Budget Year	Structure No.	Recommended Works	Estimated Costs (\$2022)
2022	Culvert No. 11 McLean Rd. Culvert	Repair Install tie-backs and reshape culvert at inlet, Restore embankments.	\$ 80,000
2023	Culvert No. 09 Mill Creek Culvert	Install steel beam guiderail.	\$ 50,000
	Culvert No. 14 Dale's Rd. Culvert	Place rock apron at outlet.	\$ 10,000
	Bridge No. 2 Mowat Landing Rd.	Replace / Stabilize Wingwalls and repair / replace damaged guiderail sections.	\$ 40,000
	Bridge No. 4 Pete's Dam Road	Install pedestrian height handrail on bridge and SBGR on approaches.	\$ 50,000
2024	Bridge No. 06 Golf Course Rd. East	Major Bridge Rehabilitation	\$ 1,395,000
2025	Culvert No. 22 Lakeshore Rd. (S)	Replace culvert.	\$ 185,000
2026	Culvert No. 20 Dawson Point Rd.	Replace twin culverts.	\$ 500,000
2027	Culvert No. 08 Lakeshore Rd. Culvert	Minor Rehabilitation.	\$ 120,000
	Bridge No. 03 Rockley Road Bridge	Minor Bridge Rehabilitation.	\$ 225,000
2028	Bridge No. 07 Armstrong St. North	Major Rehabilitation.	\$ 1,280,000
2029	Culvert No. 10 Groom Drive Culvert	Replace twin culverts.	\$ 615,000
2030	Bridge No. 4 Pete's Dam Road	Minor Rehabilitation / Girder Coating.	\$ 300,000
2031	Bridge No. 1 Firstbrook Line Rd.	Replace Bridge.	\$ 705,000

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 (Structure No. 15)

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 Temiskaming Shores City Hall (Structure No. 16)

An inspection was conducted of the three main roof areas. The roofing consists of mechanically fastened EPDM roofing membrane. The membrane is free to "lift" (not adhered membrane) which cause some concern for eventual ripping or tearing. It is recommended that regular inspections be performed by City staff to ensure that the EPDM roof membrane has not ripped during high wind events. A formal inspection of the membrane by the Manufacturer is also recommended to properly determine remaining life and future replacement timing.

5.3 Haileybury Arena (structure No. 17)

Most of the roof at the Haileybury Arena has been replaced recently, except for the lower west flat roof and the north flat roof. Maintenance in the form of tree trimming, debris removal, drain cleaning and ballast replacement is required. Replacement of 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.
Senior Project Engineer

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	53.3
02	Mowat Landing Road Bridge	Mowat Landing Road	2 km West of Fleming's Road	Timber Deck and Girder	63.9
03	Rockley Road Bridge	Rockley Road	Lot 3, Concession 1 & 2 - Dymond	Concrete Slab and Girder	71.0
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	70.6
05	Golf Course Road Bridge	Golf Course Road	Concession 3 & 4, Lot 5 - Dymond	Concrete Slab and Girder	80.6
06	Golf Course Road Bridge (East)	Golf Course Road	Conc. 3 & 4, Lot 6 (Dymond)	Concrete Slab and Girder	72.0
07	Armstrong Street North Bridge	Armstrong Street North	Downtown New Liskeard between Sharp St. And Elm Ave.	Concrete Slab and Steel Girder	73.9
08	Lakeshore Road Culvert	Lakeshore road (Ontario 11B)	0.7 km South of Sunnyside Road	Rectangular Culvert	72.0
09	Mill Creek Culvert	Lakeview Avenue	0.35 km East of Maple St S	Pipe Culvert	51.1
10	Groom Drive Culvert	Groom Drive	0.25 km West of Silver Centre Rd	Pipe Culvert	20.5
11	McLean Road Culvert	McLean Road	0.6 km South of Young's Road	Round Culvert	62.80
12	Peter's Road Culvert	Peter's Road	0.6 km North of Tobler's Road	Round Culvert	72.10
13	River Road Culvert	River Road	0.3 km South of Uno Park Road	Round Culvert	72.60
14	Dale's Road Culvert	Cummington Road 6	0.7 km West of Trans Canada Highway	Arch Culvert	74.90
15	New Liskeard Arena Roof	Wellington Street	77 Wellington Street, New Liskeard	Roof	
16	City Hall Roof	Fair Drive	325 Fair Drive, Haileybury	Roof	
17	Haileybury Arena Roof	Ferguson Avenue	390 Ferguson Avenue, Haileybury	Roof	
18	Golf Course Road Culvert	Golf Course Road	0.4 km West of Trans Canada Highway	Round Culvert	75.0
19	Dawson Point Rd - Twin Culvert (East)	Dawson Point Road	1.6 km East of Peter's Rd	Twin Round Culvert	57.6
20	Dawson Point Rd - Twin Culvert (West)	Dawson Point Road	0.65 km East of Peter's Rd	Twin Round Culvert	39.5
21	Lakeshore Rd South - Tri-Barrel Culvert	Lakeshore Road South	North of Intersection of Latchford Rd & Lakeshore Rd	Round Culvert	73.9
22	Lakeshore Rd South Culvert	Dutton St. & Lakeshore Rd	South of Intersection of Dutton St & Lakeshore Rd	Round Culvert	3.3
23	King Street Culvert	King Street	0.15 km South of Groom Dr	Round Culvert	52.6

APPENDIX B

Maintenance Needs

Maintenance Needs	Structure #	Element Name	Recommendations
Bailey Bridge Maintenance			
	01	Bracing	Tighten sway braces
	01	Vertical/Diagonal	Replace damaged elements
Bridge Cleaning			
	03	Seals/sealants	Clean debris from seals
Bridge Deck Joint Repair			
	07	Armouring/Retaining Device	RegROUT Angle
Bridge Handrail Maintenance			
	04	Railing Systems	Install Handrail on Posts
	08	Railing Systems	Remove End Panels / Provide Closures
Roof Cleaning / Inspection			
	15	Flat Roof Areas	Drain Cleaing and Removal of Debris
	17	Flat Roof Areas	Drain Cleaing and Removal of Debris
Repair of Bridge Timber			
	01	Curbs	Replace Loose Curb
Signs			
	01	Signs	Install Hazard Markers
	02	Signs	Install Hazard Markers
	03	Signs	Install Hazard Markers
	04	Signs	Install Hazard Markers
Embankments/ Streams & Waterways			
	03	Embankment	Remove Tree at South-West Wingwall
	08	Streams and Waterways	Clear Debris from Culvert Inlet
	13	Streams and Waterways	Clear Debris from Culvert Inlet
	20	Streams and Waterways	Remove Timber from Waterway
	21	Barrels	Clean Out Culverts
	23	Barrels	Clean Out Culvert
Wearing Surfaces			
	05	Wearing Surface	Install Form & Fill Grooves

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
01	Firstbrooke Line Road Bridge	6 - 10 yrs	Install New Abutments	6-10 yrs	\$100,000.00
			Install New Truss / Modular Bridge	6-10 yrs	\$250,000.00
			Install New Steel Beam Guiderail	6-10 yrs	\$40,000.00
			Traffic / Detour during construction	6-10 yrs	\$10,000.00
			Remove Existing Bridge		\$100,000
			Dewatering / Environmental Protection		\$25,000
			Engineering & Contract Administration		\$80,000
			Contingency		\$100,000
			Total		\$705,000
			02	Mowat Landing Road Bridge	1 - 5 yrs
Repair / Replace Steel Beam Guiderail	1-5 yrs	\$20,000.00			
Total		\$40,000			
03	Rockley Road Bridge	1 - 5 yrs	Remove and Replace West Curb with Gutter Outlet and Rip-Rap	1-5 yrs	\$15,000.00
			Repave Approaches	1-5 yrs	\$25,000.00
			Patch, Waterproof & Pave Deck	1-5 yrs	\$100,000.00
			Traffic Control		\$15,000
			Engineering & Contract Administration		\$20,000
			Contingency		\$50,000
			Total		\$225,000
04	Pete's Dam Road Bridge	6 - 10 yrs 1 - 5 yrs	Recoat Structural Steel		\$200,000
			Install SBGR on approaches and Pedestrian Handrail on Bridge		\$50,000
			Engineering & Contract Administration		\$50,000
			Contingency		\$50,000
			Total		\$350,000
06	Golf Course Road Bridge (East)	1 - 5 yrs	Refer to Structural Design Report		\$1,395,000
			Total		\$1,395,000
07	Armstrong Street North Bridge	6 - 10 yrs	Misc. Concrete Repairs to Deck Soffit	6-10 yrs	\$50,000.00
			Replace North Expansion Joint Seal	6-10 yrs	\$30,000.00
			Replace Parapet Walls / Railings on Bridge Deck	6-10 yrs	\$200,000.00
			Remove and Reconstruct Cantilever Sidewalks	6-10 yrs	\$400,000.00
			Patch, Waterproof & Pave Deck	6-10 yrs	\$200,000.00
			Replace Bearings at North Abument (incl. Jacking)	6-10 yrs	\$100,000.00
			Traffic Control		\$50,000.00
			Ducts in Sidewalk / Utility Relocations		\$50,000.00
			Engineering & Contract Administration		\$100,000
			Contingency		\$100,000
			Total		\$1,280,000
08	Lakeshore Road Culvert	1 - 5 yrs	Repair Undermining, Misc. Concrete Repairs and Waterproofing	1-5 yrs	\$60,000.00
			Traffic Control		\$10,000
			Engineering & Contract Administration		\$25,000
			Contingency		\$25,000
			Total		\$120,000
09	Mill Creek Culvert	1 - 5 yrs	Install New SBGR		\$50,000
			Total		\$50,000
10	Groom Drive Culvert	6 - 10 yrs	Install New Culvert	6-10 yrs	\$355,000.00
			Install New Steel Beam Guiderail	6-10 yrs	\$30,000.00
			Repave Road	6-10 yrs	\$20,000.00
			Traffic / Detour during construction		\$10,000
			Remove Existing Culverts		\$25,000
			Cofferdams / Dewatering		\$50,000
			Engineering & Contract Administration		\$75,000
			Contingency		\$50,000
			Total		\$615,000
			11	McLean Road Culvert	Urgent (within 1 yr)
Re-establish embankment at east inlet	Within 1 yr	\$20,000			
Traffic Control		\$10,000			
Engineering & Contract Administration		\$15,000			
Contingency		\$15,000			
			Total		\$80,000
14	Dale's Road Culvert	1 - 5 yrs	Place Rock Protection Apron at Outlet	1-5 yrs	\$10,000
			Total		\$10,000
20	Dawson Point Road - Twin Culverts	1 - 5 yrs	Replace Twin Culverts		\$295,000
			Resurface Road		\$25,000
			Traffic Control / Detour		\$10,000
			Remove Existing Culverts		\$20,000
			Cofferdams / Dewatering		\$20,000
			Engineering & Contract Administration		\$65,000
			Contingency		\$65,000
			Total		\$500,000
22	Lakeshore Road South Culvert	1 - 5 yrs	Replace Culvert		\$95,000
			Resurface Road		\$25,000
			Traffic Control / Detour		\$10,000
			Remove Existing Culverts		\$5,000
			Cofferdams / Dewatering		\$10,000
			Engineering & Contract Administration		\$15,000
			Contingency		\$25,000
			Total		\$185,000
TOTAL: Bridges and Culverts (10 Year Plan):					\$5,555,000

City of Temiskaming Shores - Complete List of Rehabilitation Needs					
Str. No.	Structure Name	Priority	Rehabilitation Need		Est. Cost
15	New Liskeard Arena Roof	1 - 5 yrs	Repair and Recoat Timbers / Cap Exposed Beams	1-5 yrs	\$20,000
			Replace Roofing - Main Roof Area	1-5 yrs	\$325,000
			Replace Roofing - Misc. Areas	1-5 yrs	\$50,000
			Contingency		\$60,000
					<u>\$455,000</u>
17	Haileybury Arena Roof	1 - 5 yrs	Replace Roofing - Lower Roofs		<u>\$70,000</u>
					\$70,000
TOTAL: Arena Roofing:					\$525,000

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	<input n"="" type="text" value="47d26'41.9"/>	Longitude	<input type="text" value="79d45'35.1" 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="Town of Haileybury"/>		
Structure Type	<input type="text" value="Bailey Panel"/>		
Total Deck Length	<input type="text" value="15.24"/>	(m)	Posted Speed <input type="text"/>
Overall Str Width	<input type="text" value="3.48"/>	(m)	No of Lanes <input type="text" value="1"/>
Total Deck Area	<input type="text" value="53.0352"/>	(sq. m)	AADT <input type="text"/>
Roadway Width	<input type="text" value="3.18"/>	(m)	% Trucks <input type="text"/>
Span Lengths	<input type="text" value="15.24"/>		
			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="09/03/2020"/>
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="06/15/1996"/>
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 digaonal decking installed, some new pieces of curb installed			

Field Inspection Information

Date of Inspection: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	
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	None	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m			12.1		None	
Comments	Referring to longitudinal boards.					Estimated Construction Cost:	
Recommended Work						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	None	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		69.91			None	
Comments	Referring to diagonal boards.					Estimated Construction Cost:	
Recommended Work						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	Repair of Bridge Timber	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		3.32	4.32		None	
Comments	South-west section of curb is loose.					Estimated Construction Cost:	
Recommended Work	Replace loose curb.					Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Municipal Structure Inspection Form

Structure Number: 01

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Decks	Element Name:	Soffit - Thin Slab	Location:		Material:	Wood	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>21.24</td></tr> <tr><td>Width:</td><td>3.48</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>1</td></tr> <tr><td>Total Quantity:</td><td>73.91</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	21.24	Width:	3.48	Height:		Count:	1	Total Quantity:	73.91	Limited Inspection	<input type="checkbox"/>		
Element Group:	Decks																												
Element Name:	Soffit - Thin Slab																												
Location:																													
Material:	Wood																												
Element Type:																													
Environment:	Benign																												
Protection System:	None																												
Length:	21.24																												
Width:	3.48																												
Height:																													
Count:	1																												
Total Quantity:	73.91																												
Limited Inspection	<input type="checkbox"/>																												
<table border="1" style="width:100%; border-collapse: collapse;"> <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>73.91</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		73.91			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td></td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td></td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Maint. Needs		Perform. Deficiencies	None	Estimated Construction Cost:		Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
Condition Data:	Units	Exc	Good	Fair	Poor																								
	Sq. m		73.91																										
Maint. Needs																													
Perform. Deficiencies	None																												
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Priority	None																												
	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Referring to transverse beams.</p>																													
<p>Recommended Work</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Steel Flex Beam over Bailey Bridge</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Barriers	Element Name:	Railing Systems	Location:	Each Side	Material:	Steel	Element Type:	Steel Flex Beam over Bailey Bridge	Environment:	Severe	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>21.24</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>42.47</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	21.24	Width:		Height:		Count:	2	Total Quantity:	42.47	Limited Inspection	<input type="checkbox"/>		
Element Group:	Barriers																												
Element Name:	Railing Systems																												
Location:	Each Side																												
Material:	Steel																												
Element Type:	Steel Flex Beam over Bailey Bridge																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
	m		32.47	10																									
Maint. Needs	None																												
Perform. Deficiencies	None																												
Estimated Construction Cost:	\$10,000.00																												
Priority	None																												
	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Minor impact damage throughout length of barrier.</p>																													
<p>Recommended Work</p> <p>Install new SBGR at proper mounting height with new bridge.</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Abutments</td></tr> <tr><td>Element Name:</td><td>Abutment walls</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Timber crib</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Penetrant applied</td></tr> </table>	Element Group:	Abutments	Element Name:	Abutment walls	Location:	Each End	Material:	Wood	Element Type:	Timber crib	Environment:	Benign	Protection System:	Penetrant applied	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td>6.04</td></tr> <tr><td>Height:</td><td>1.14</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>13.77</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:	6.04	Height:	1.14	Count:	2	Total Quantity:	13.77	Limited Inspection	<input type="checkbox"/>		
Element Group:	Abutments																												
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	Within 1 yr																												
	Urgent																												
<p>Comments</p>																													
<p>Recommended Work</p> <p>Replace Bridge</p>																													

Municipal Structure Inspection Form

Structure Number: 01

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Abutments</td></tr> <tr><td>Element Name:</td><td>Bearings</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Plate</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Abutments	Element Name:	Bearings	Location:	Each End	Material:	Steel	Element Type:	Plate	Environment:	Benign	Protection System:	Epoxy zinc/acrylic/acrylic	<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 style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	4	Total Quantity:	4	Limited Inspection	<input type="checkbox"/>		
Element Group:	Abutments																												
Element Name:	Bearings																												
Location:	Each End																												
Material:	Steel																												
Element Type:	Plate																												
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Count:	4																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
	Each			4																									
Maint. Needs	None																												
Perform. Deficiencies	None																												
Estimated Construction Cost:	\$0.00																												
Priority	None																												
	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<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>Recommended Work</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Floor Beams</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>I-type</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Beams/MLE's	Element Name:	Floor Beams	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 style="text-align: right;">5.44</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.1</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.25</td></tr> <tr><td>Count:</td><td style="text-align: right;">10</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">43.52</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	5.44	Width:	0.1	Height:	0.25	Count:	10	Total Quantity:	43.52	Limited Inspection	<input type="checkbox"/>		
Element Group:	Beams/MLE's																												
Element Name:	Floor Beams																												
Location:																													
Material:	Steel																												
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Total Quantity:	43.52																												
Limited Inspection	<input type="checkbox"/>																												
<table border="1" style="width:100%; border-collapse: collapse;"> <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 style="text-align: center;">32.72</td> <td style="text-align: center;">5.4</td> <td style="text-align: center;">5.4</td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		32.72	5.4	5.4	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td></td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:		Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
Condition Data:	Units	Exc	Good	Fair	Poor																								
	Sq. m		32.72	5.4	5.4																								
Maint. Needs	None																												
Perform. Deficiencies	None																												
Estimated Construction Cost:																													
Priority	None																												
	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Medium corrosion and section loss of the top flanges. Coating has failed.</p>																													
<p>Recommended Work</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Stringers</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>I-type</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Beams/MLE's	Element Name:	Stringers	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 style="text-align: right;">21.24</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.051</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.102</td></tr> <tr><td>Count:</td><td style="text-align: right;">15</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">81.24</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	21.24	Width:	0.051	Height:	0.102	Count:	15	Total Quantity:	81.24	Limited Inspection	<input type="checkbox"/>		
Element Group:	Beams/MLE's																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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Estimated Construction Cost:																													
Priority	None																												
	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Light corrosion. Coating has failed.</p>																													
<p>Recommended Work</p>																													

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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Bracing</td></tr> <tr><td>Element Name:</td><td>Bracing</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Bracing	Element Name:	Bracing	Location:		Material:	Steel	Element Type:		Environment:	Benign	Protection System:	Epoxy zinc/acrylic/acrylic	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>5.49</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>10</td></tr> <tr><td>Total Quantity:</td><td>10</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	5.49	Width:		Height:		Count:	10	Total Quantity:	10	Limited Inspection	<input type="checkbox"/>
Element Group:	Bracing																										
Element Name:	Bracing																										
Location:																											
Material:	Steel																										
Element Type:																											
Environment:	Benign																										
Protection System:	Epoxy zinc/acrylic/acrylic																										
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Total Quantity:	10																										
Limited Inspection	<input type="checkbox"/>																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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Maint. Needs	Bailey bridges - Maintenance																										
Perform. Deficiencies	None																										
Estimated Construction Cost:																											
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<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>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Trusses/Arches</td></tr> <tr><td>Element Name:</td><td>Top chords</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Channel</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Trusses/Arches	Element Name:	Top chords	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>3.05</td></tr> <tr><td>Width:</td><td>0.051</td></tr> <tr><td>Height:</td><td>0.102</td></tr> <tr><td>Count:</td><td>20</td></tr> <tr><td>Total Quantity:</td><td>18.66</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	3.05	Width:	0.051	Height:	0.102	Count:	20	Total Quantity:	18.66	Limited Inspection	<input type="checkbox"/>
Element Group:	Trusses/Arches																										
Element Name:	Top chords																										
Location:																											
Material:	Steel																										
Element Type:	Channel																										
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Protection System:	Epoxy zinc/acrylic/acrylic																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m		18.66																								
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:																											
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Surface rust.</p>																											
<p>Recommended Work</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Trusses/Arches</td></tr> <tr><td>Element Name:</td><td>Bottom chords</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Channel</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Trusses/Arches	Element Name:	Bottom chords	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>3.05</td></tr> <tr><td>Width:</td><td>0.051</td></tr> <tr><td>Height:</td><td>0.102</td></tr> <tr><td>Count:</td><td>20</td></tr> <tr><td>Total Quantity:</td><td>18.66</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	3.05	Width:	0.051	Height:	0.102	Count:	20	Total Quantity:	18.66	Limited Inspection	<input type="checkbox"/>
Element Group:	Trusses/Arches																										
Element Name:	Bottom chords																										
Location:																											
Material:	Steel																										
Element Type:	Channel																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m		18.66																								
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$250,000.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Extensive surface rust.</p>																											
<p>Recommended Work</p> <p>Replace Bridge</p>																											

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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Trusses/Arches</td></tr> <tr><td>Element Name:</td><td>Verticals/diagonals</td></tr> <tr><td>Location:</td><td>Diagonals</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>I-type</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Trusses/Arches	Element Name:	Verticals/diagonals	Location:	Diagonals	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>1.1</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>80</td></tr> <tr><td>Total Quantity:</td><td>20.06</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	1.1	Width:	0.076	Height:	0.038	Count:	80	Total Quantity:	20.06	Limited Inspection	<input type="checkbox"/>
Element Group:	Trusses/Arches																										
Element Name:	Verticals/diagonals																										
Location:	Diagonals																										
Material:	Steel																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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<p>Comments</p> <p>Surface rust.</p>																											
<p>Recommended Work</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Trusses/Arches</td></tr> <tr><td>Element Name:</td><td>Connections</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Hinge</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Trusses/Arches	Element Name:	Connections	Location:		Material:	Steel	Element Type:	Hinge	Environment:	Benign	Protection System:	Epoxy zinc/acrylic/acrylic	<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>24</td></tr> <tr><td>Total Quantity:</td><td>24</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	24	Total Quantity:	24	Limited Inspection	<input type="checkbox"/>
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Element Name:	Connections																										
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Municipal Structure Inspection Form

Structure Number: 01

<p>Element Group: Coatings</p> <p>Element Name: Structural Steel</p> <p>Location:</p> <p>Material:</p> <p>Element Type: Epoxy zinc/acrylic/acrylic</p> <p>Environment: Benign</p> <p>Protection System: None</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="text-align: right;">Sq. m <input type="text"/> <input type="text"/> <input type="text"/> 192.7</p> <p>Comments</p> <p>Peeling and loss of coating noted. Coating has failed.</p> <p>Recommended Work</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text"/></p> <p>Total Quantity: 192.7</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">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: Embankments & Streams</p> <p>Element Name: Embankments</p> <p>Location: All</p> <p>Material:</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: right;">Each <input type="text"/> 4 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Recommended Work</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text"/> 4</p> <p>Total Quantity: 4</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">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: Embankments & Streams</p> <p>Element Name: Streams and Waterways</p> <p>Location: Under Bridge</p> <p>Material:</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: right;">Each <input type="text"/> 1 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Recommended Work</p>	<p>Length: <input type="text"/></p> <p>Width: <input type="text"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text"/> 1</p> <p>Total Quantity: 1</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">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: 01

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

Element Group: Approaches Element Name: Barriers Location: Material: Steel Element Type: Steel Flex Beam on wood post Environment: Severe Protection System: Hot dip galvanizing Condition Data: Units Exc Good Fair Poor m 15 31	Length: 11.5 Width: Height: Count: 4 Total Quantity: 46 Limited Inspection <input type="checkbox"/>
Comments Multiple areas of impact damage. Improper end treatments.	Maint. Needs None Perform. Deficiencies None Estimated Construction Cost: \$30,000.00 Priority: None, 6-10 yrs , 1-5 yrs, Within 1 yr, Urgent
Recommended Work Replace barrier system with new bridge.	

Repair and Rehabilitation Required				
Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Approaches	Barriers	Replace barrier system with new bridge.	6-10 yrs	\$30,000.00
Trusses/Arches	Bottom chords	Replace Bridge	6-10 yrs	\$250,000.00
Abutments	Abutment walls	Replace Bridge	6-10 yrs	\$100,000.00
Barriers	Railing Systems	Install new SBGR at proper mounting height with new bridge.	6-10 yrs	\$10,000.00
Total				\$390,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours	Detour during Construction	\$10,000.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way	Remove Existing Bridge	\$100,000.00
Environmental Study	Dewatering / Env. Protection	\$25,000.00
Other	Engineering & Contract Administration	\$80,000.00
Contingencies		\$100,000.00
Total Estimated Const. Cost		\$705,000.00

Justification

Structure Number: 01



Roadway looking north



West Truss / Barrier (Typ.)

Structure Number: 01



North Abutment (Timber Crib)



Transom / Floor Beam (Typ.)

Structure Number: 01



N/W Bearing (Typ.)



Underside of Bridge (Stringers & Bracing) – Typ.

Structure Number: 01



South Abutment (Rock-Filled Timber Crib)



Transom / Floor Beam – Top Flange Corrosion (Typ.)

Structure Number: 01



Underside looking north – Note: Coating Condition



Approach SBGR – Typ.

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	<input type="text" value="7.8"/> (m)	Posted Speed	<input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="11"/> (m)	AADT	<input type="text"/> % Trucks <input type="text"/>
Total Deck Area	<input type="text" value="85.8"/> (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="8.6"/> (m)	Detour Length Around Bridge	<input type="text" value="14"/> (km)
Span Lengths	<input type="text" value="4.9"/> (m)	Fill on Structure	<input type="text" value="0.2"/> (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="1974"/>	Last Biennial Inspection:	<input type="text" value="09/03/2020"/>
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.			
2021 - Addition of steel frames under bridge.			

Field Inspection Information

Date of Inspection: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
DART Survey	None	0
Detailed Coating Condition Survey:	None	0
Underwater Investigation:	None	0
Fatigue Investigation:	None	0
Seismic Investigation:	None	0
Structure Evaluation:	Normal	0
Load Posting: Estimated Load		Total Cost 0
Next Date Inspection:	07/01/2024	

Special Notes:
 Bridge inspection was limited in 2022 following 2021 works.

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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Embankments & Streams</td></tr> <tr><td>Element Name:</td><td>Embankments</td></tr> <tr><td>Location:</td><td>All</td></tr> <tr><td>Material:</td><td></td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Embankments & Streams	Element Name:	Embankments	Location:	All	Material:		Element Type:		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 style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	4	Total Quantity:	4	Limited Inspection	<input type="checkbox"/>		
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<div style="border: 1px solid black; height: 40px; margin-bottom: 5px;">Comments</div> <p>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.</p> <div style="border: 1px solid black; height: 40px; margin-bottom: 5px;">Recommended Work</div>																													

Municipal Structure Inspection Form

Structure Number: 02

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/ML'E's</td></tr> <tr><td>Element Name:</td><td>Girders</td></tr> <tr><td>Location:</td><td>5th Girder From North Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>I-type</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text"/> 1 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Severe corrosion with section loss of web and flanges at bottom of each steel column.</p> <p>Recommended Work</p>	Element Group:	Beams/ML'E's	Element Name:	Girders	Location:	5th Girder From North Side	Material:	Steel	Element Type:	I-type	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td><input type="text"/></td></tr> <tr><td>Height:</td><td><input type="text"/></td></tr> <tr><td>Count:</td><td style="text-align: right;">1</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">1</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	<input type="text"/>	Width:	<input type="text"/>	Height:	<input type="text"/>	Count:	1	Total Quantity:	1
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Count:	11																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Abutments</td></tr> <tr><td>Element Name:</td><td>Bearings</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Rectangular-solid</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Creosote</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text"/> 4 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Slight settlement noted at ends of approach slab.</p> <p>Recommended Work</p>	Element Group:	Abutments	Element Name:	Bearings	Location:	Each End	Material:	Wood	Element Type:	Rectangular-solid	Environment:	Benign	Protection System:	Creosote	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">11</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.3</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.3</td></tr> <tr><td>Count:</td><td style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">4</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	11	Width:	0.3	Height:	0.3	Count:	4	Total Quantity:	4
Element Group:	Abutments																								
Element Name:	Bearings																								
Location:	Each End																								
Material:	Wood																								
Element Type:	Rectangular-solid																								
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Municipal Structure Inspection Form

Structure Number: 02

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Laminated wood decking - transverse</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Creosote</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m <input type="text"/> <input type="text"/> 55.77 <input type="text"/></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> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Decks	Element Name:	Soffit - Thin Slab	Location:		Material:	Wood	Element Type:	Laminated wood decking - transverse	Environment:	Benign	Protection System:	Creosote	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>7.8</td></tr> <tr><td>Width:</td><td>7.15</td></tr> <tr><td>Height:</td><td>0.2</td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>55.77</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	7.8	Width:	7.15	Height:	0.2	Count:		Total Quantity:	55.77
Element Group:	Decks																								
Element Name:	Soffit - Thin Slab																								
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Element Group:	Decks																								
Element Name:	Deck top																								
Location:																									
Material:	Wood																								
Element Type:	Laminated wood decking - transverse																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Other</td></tr> <tr><td>Element Type:</td><td>Bituminous</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m <input type="text"/> <input type="text"/> 42.9 42.9</p> <p>Comments</p> <p>Extensive ravelling.</p> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Decks	Element Name:	Wearing surface	Location:		Material:	Other	Element Type:	Bituminous	Environment:	Severe	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>7.8</td></tr> <tr><td>Width:</td><td>11</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>85.8</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	7.8	Width:	11	Height:		Count:		Total Quantity:	85.8
Element Group:	Decks																								
Element Name:	Wearing surface																								
Location:																									
Material:	Other																								
Element Type:	Bituminous																								
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Municipal Structure Inspection Form

Structure Number: 02

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Sidewalks/curbs</td></tr> <tr><td>Element Name:</td><td>Curbs</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Rectangular-solid</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Creosote</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m 12.04 2</p> <p>Comments</p> <p>Northwest and southwest curbs rotting and splintering.</p> <p>Recommended Work</p> <p>Repair (costed under Wingwall).</p>	Element Group:	Sidewalks/curbs	Element Name:	Curbs	Location:	Each Side	Material:	Wood	Element Type:	Rectangular-solid	Environment:	Severe	Protection System:	Creosote	<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>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	7.8	Width:	0.3	Height:	0.3	Count:	2	Total Quantity:	14.04
Element Group:	Sidewalks/curbs																								
Element Name:	Curbs																								
Location:	Each Side																								
Material:	Wood																								
Element Type:	Rectangular-solid																								
Environment:	Severe																								
Protection System:	Creosote																								
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Total Quantity:	14.04																								

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Posts</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Steel Flex Beam on wood post</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Penetrant applied</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Each 6 4</p> <p>Comments</p> <p>Several posts rotted and splintering. One post with severe section loss.</p> <p>Recommended Work</p> <p>Repair barrier system (costed under railing system)</p>	Element Group:	Barriers	Element Name:	Posts	Location:	Each Side	Material:	Wood	Element Type:	Steel Flex Beam on wood post	Environment:	Severe	Protection System:	Penetrant applied	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.3</td></tr> <tr><td>Width:</td><td>0.3</td></tr> <tr><td>Height:</td><td>1.5</td></tr> <tr><td>Count:</td><td>10</td></tr> <tr><td>Total Quantity:</td><td>10</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</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>	Length:	0.3	Width:	0.3	Height:	1.5	Count:	10	Total Quantity:	10
Element Group:	Barriers																								
Element Name:	Posts																								
Location:	Each Side																								
Material:	Wood																								
Element Type:	Steel Flex Beam on wood post																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Steel Flex Beam on wood post</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m 88 29 4</p> <p>Comments</p> <p>Impact damage at multiple locations. Damaged rail at southeast.</p> <p>Recommended Work</p> <p>Repair steel beam guiderail barrier system.</p>	Element Group:	Barriers	Element Name:	Railing Systems	Location:	Each Side	Material:	Steel	Element Type:	Steel Flex Beam on wood post	Environment:	Severe	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>60.5</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>121</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$20,000.00</p> <p>Priority</p> <p>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	60.5	Width:		Height:		Count:	2	Total Quantity:	121
Element Group:	Barriers																								
Element Name:	Railing Systems																								
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Material:	Steel																								
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Count:	2																								
Total Quantity:	121																								

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$40,000.00

Justification

Structure Number: 02



Roadway looking east



New Frames (2021)

Structure Number: 02



Collision damage and poor SBGR at S/W



Curb damage at S/W

Structure Number: 02



Displaced SBGR Port and rotating Retaining Wall section



Bulging upper section of retaining wall

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 cons""="" type="text" value="Not "/>		
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"/>

Historical Data

Year Built:	<input type="text" value="1989"/>	Last Biennial Inspection:	<input type="text" value="09/03/2020"/>	
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: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	
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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Foundations</td></tr> <tr><td>Element Name:</td><td>Foundation (below ground level)</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Spread</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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%;">Each</td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Foundations	Element Name:	Foundation (below ground level)	Location:		Material:	Cast-in-place concrete	Element Type:	Spread	Environment:	Benign	Protection System:	None	Each						<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 style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">4</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td></td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Length:		Width:		Height:		Count:	4	Total Quantity:	4	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:		Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
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Element Group:	Embankments & Streams																																														
Element Name:	Embankments																																														
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Total Quantity:	6																																														
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Abutments</td></tr> <tr><td>Element Name:</td><td>Ballast walls</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>No evidence of joint leakage.</p> <p>Recommended Work</p> <p><input style="width:100%; height:30px;" type="text"/></p>	Element Group:	Abutments	Element Name:	Ballast walls	Location:	Each End	Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td>9.4</td></tr> <tr><td>Height:</td><td>1.4</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>26.31</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	<input type="text"/>	Width:	9.4	Height:	1.4	Count:	2	Total Quantity:	26.31
Element Group:	Abutments																								
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Location:	Each End																								
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Element Group:	Abutments																								
Element Name:	Bearings																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Piers</td></tr> <tr><td>Element Name:</td><td>Bearings</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Other</td></tr> <tr><td>Element Type:</td><td>Elastomeric pad</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Recommended Work</p> <p><input style="width:100%; height:30px;" type="text"/></p>	Element Group:	Piers	Element Name:	Bearings	Location:		Material:	Other	Element Type:	Elastomeric pad	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td><input type="text"/></td></tr> <tr><td>Height:</td><td><input type="text"/></td></tr> <tr><td>Count:</td><td>16</td></tr> <tr><td>Total Quantity:</td><td>16</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	<input type="text"/>	Width:	<input type="text"/>	Height:	<input type="text"/>	Count:	16	Total Quantity:	16
Element Group:	Piers																								
Element Name:	Bearings																								
Location:																									
Material:	Other																								
Element Type:	Elastomeric pad																								
Environment:	Benign																								
Protection System:	None																								
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Count:	16																								
Total Quantity:	16																								

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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Drainage</td></tr> <tr><td>Location:</td><td>Each side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Metal drain pipes</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> 8 <input type="text"/> <input type="text"/></p> <p>Comments Drain pipes not attached to girders.</p> <p>Recommended Work</p>	Element Group:	Decks	Element Name:	Drainage	Location:	Each side	Material:	Steel	Element Type:	Metal drain pipes	Environment:	Benign	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td>0.2</td></tr> <tr><td>Height:</td><td><input type="text"/></td></tr> <tr><td>Count:</td><td>8</td></tr> <tr><td>Total Quantity:</td><td>8</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	<input type="text"/>	Width:	0.2	Height:	<input type="text"/>	Count:	8	Total Quantity:	8
Element Group:	Decks																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Girders</td><td>Middle</td></tr> <tr><td>Location:</td><td colspan="2"><input type="text"/></td></tr> <tr><td>Material:</td><td colspan="2">Precast concrete</td></tr> <tr><td>Element Type:</td><td colspan="2">I-type</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> <p>Sq. m <input type="text"/> 856.8 <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Beams/MLE's	Element Name:	Girders	Middle	Location:	<input type="text"/>		Material:	Precast concrete		Element Type:	I-type		Environment:	Benign		Protection System:	None		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>52.5</td></tr> <tr><td>Width:</td><td>0.56</td></tr> <tr><td>Height:</td><td>1.2</td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>856.8</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	52.5	Width:	0.56	Height:	1.2	Count:	4	Total Quantity:	856.8
Element Group:	Beams/MLE's																														
Element Name:	Girders	Middle																													
Location:	<input type="text"/>																														
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Element Group:	Decks																														
Element Name:	Soffit - Thin Slab	Interior																													
Location:	<input type="text"/>																														
Material:	Cast-in-place concrete																														
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<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> <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%;"></td> <td style="width:15%; text-align: center;">105</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Some narrow transverse cracks noted.</p> <p>Recommended Work</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			Sq. m			105			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">52.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">1</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">105</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p style="text-align: right;">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:	52.5	Width:	1	Height:		Count:	2	Total Quantity:	105	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Decks																																																	
Element Name:	Soffit - Thin Slab	Exterior																																																
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<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>Deck top</td><td colspan="2"></td></tr> <tr><td>Location:</td><td colspan="3"></td></tr> <tr><td>Material:</td><td colspan="3">Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td colspan="3">Cast-in-place conc on supports, composite</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">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%; text-align: center;">445.25</td> <td style="width:15%; text-align: center;">35</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Condition judged from wearing surface.</p> <p>Recommended Work</p> <p>Patch and waterproof deck (Costed under Deck - Wearing Surface).</p>	Element Group:	Decks			Element Name:	Deck top			Location:				Material:	Cast-in-place concrete			Element Type:	Cast-in-place conc on supports, composite			Environment:	Benign			Protection System:	None			Sq. m		445.25	35			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">56.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">8.5</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.225</td></tr> <tr><td>Count:</td><td style="text-align: right;">1</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">480.25</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost:</p> <p style="text-align: right;">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:	56.5	Width:	8.5	Height:	0.225	Count:	1	Total Quantity:	480.25	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
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Element Name:	Deck top																																																	
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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>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: 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%; text-align: center;">116.56</td> <td style="width:15%; text-align: center;">6</td> <td style="width:15%;"></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		Sq. m		116.56	6		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">72.1</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.38</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.85</td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">122.56</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="background-color: black; color: white;">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:	72.1	Width:	0.38	Height:	0.85	Count:	2	Total Quantity:	122.56	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Barriers																																									
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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: 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%; text-align: center;">111</td> <td style="width:15%; text-align: center;">2</td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Impact damage at northeast, damage at northwest, and missing bolt noted.</p> <p>Recommended Work</p>	Element Group:	Barriers		Element Name:	Railing Systems		Location:	Each Side		Material:	Steel		Element Type:	Single Railing		Environment:	Severe		Protection System:	Hot dip galvanizing		Sq. m		111	2		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">70.9</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">113</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="background-color: black; color: white;">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:	70.9	Width:		Height:		Count:	2	Total Quantity:	113	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Barriers																																									
Element Name:	Railing Systems																																									
Location:	Each Side																																									
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Element Group:	Approaches																																									
Element Name:	Approach slabs																																									
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Approaches</td></tr> <tr><td>Element Name:</td><td>Curb/gutters</td></tr> <tr><td>Location:</td><td>Each Quadrant</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Approaches	Element Name:	Curb/gutters	Location:	Each Quadrant	Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>11.4</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>45.59</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	11.4	Width:		Height:		Count:	4	Total Quantity:	45.59	Limited Inspection	<input type="checkbox"/>
Element Group:	Approaches																										
Element Name:	Curb/gutters																										
Location:	Each Quadrant																										
Material:	Cast-in-place concrete																										
Element Type:																											
Environment:	Benign																										
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Limited Inspection	<input type="checkbox"/>																										
<table border="1" style="width:100%; border-collapse: collapse;"> <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>m</td> <td></td> <td>45.59</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		m		45.59			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>Surface ponding</td></tr> <tr><td>Estimated Construction Cost:</td><td>\$15,000.00</td></tr> <tr><td>Priority</td><td>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	Surface ponding	Estimated Construction Cost:	\$15,000.00	Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent						
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<p>Comments</p> <p>Ponding at west against curb.</p>																											
<p>Recommended Work</p> <p>Remove and replace west curb with gutter outlet and rock protection.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Approaches</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Asphalt</td></tr> <tr><td>Element Type:</td><td>Bituminous</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Approaches	Element Name:	Wearing surface	Location:	Each End	Material:	Asphalt	Element Type:	Bituminous	Environment:	Severe	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>7.8</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>132.6</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	7.8	Width:	8.5	Height:		Count:	2	Total Quantity:	132.6	Limited Inspection	<input type="checkbox"/>
Element Group:	Approaches																										
Element Name:	Wearing surface																										
Location:	Each End																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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<p>Comments</p> <p>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</p> <p>Repave approaches.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Approaches</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>Each Quadrant</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Steel Flex Beam on wood post</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table>	Element Group:	Approaches	Element Name:	Railing Systems	Location:	Each Quadrant	Material:	Steel	Element Type:	Steel Flex Beam on wood post	Environment:	Severe	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>35.75</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>143</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	35.75	Width:		Height:		Count:	4	Total Quantity:	143	Limited Inspection	<input type="checkbox"/>
Element Group:	Approaches																										
Element Name:	Railing Systems																										
Location:	Each Quadrant																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	m		137	5																							
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:																											
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p>																											
<p>Recommended Work</p>																											

Municipal Structure Inspection Form

Structure Number: 03

<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">End</td></tr> <tr><td>Location:</td><td colspan="3"> </td></tr> <tr><td>Material:</td><td colspan="3">Precast concrete</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> <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%; text-align: center;">65.27</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	Element Group:	Beams/MLE's			Element Name:	Girders	End		Location:				Material:	Precast concrete			Element Type:	I-type			Environment:	Benign			Protection System:	None			Sq. m		65.27			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">4</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.56</td></tr> <tr><td>Height:</td><td style="text-align: right;">1.2</td></tr> <tr><td>Count:</td><td style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">65.27</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Perform. Deficiencies</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Estimated Construction Cost: <input style="width: 100%;" type="text"/></p> <p>Priority</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="background-color: black; color: white;">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:	4	Width:	0.56	Height:	1.2	Count:	4	Total Quantity:	65.27	None	None	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Beams/MLE's																																																		
Element Name:	Girders	End																																																	
Location:																																																			
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Element Type:	I-type																																																		
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Sq. m		65.27																																																	
Length:	4																																																		
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Height:	1.2																																																		
Count:	4																																																		
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<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">End</td></tr> <tr><td>Location:</td><td colspan="3"> </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> <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%; text-align: center;">23.04</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	Element Group:	Decks			Element Name:	Soffit - Thin Slab	End		Location:				Material:	Cast-in-place concrete			Element Type:				Environment:	Benign			Protection System:	None			Sq. m		23.04			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">4</td></tr> <tr><td>Width:</td><td style="text-align: right;">5.76</td></tr> <tr><td>Height:</td><td> </td></tr> <tr><td>Count:</td><td> </td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">23.04</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Perform. Deficiencies</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Estimated Construction Cost: <input style="width: 100%;" type="text"/></p> <p>Priority</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="background-color: black; color: white;">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:	4	Width:	5.76	Height:		Count:		Total Quantity:	23.04	None	None	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Decks																																																		
Element Name:	Soffit - Thin Slab	End																																																	
Location:																																																			
Material:	Cast-in-place concrete																																																		
Element Type:																																																			
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Urgent																																																			

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td colspan="3">Barriers</td></tr> <tr><td>Element Name:</td><td>Barrier/Parapet Walls</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">Safety Shape with single railing</td></tr> <tr><td>Environment:</td><td colspan="3">Benign</td></tr> <tr><td>Protection System:</td><td colspan="3">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%; text-align: center;">122.56</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	Element Group:	Barriers			Element Name:	Barrier/Parapet Walls	Exterior		Location:	Each Side			Material:	Cast-in-place concrete			Element Type:	Safety Shape with single railing			Environment:	Benign			Protection System:	None			Sq. m		122.56			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">72.1</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.38</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.85</td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">122.56</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Perform. Deficiencies</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Estimated Construction Cost: <input style="width: 100%;" type="text"/></p> <p>Priority</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="background-color: black; color: white;">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:	72.1	Width:	0.38	Height:	0.85	Count:	2	Total Quantity:	122.56	None	None	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Barriers																																																		
Element Name:	Barrier/Parapet Walls	Exterior																																																	
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Signs</td></tr> <tr><td>Element Name:</td><td>Signs</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Signs	Element Name:	Signs	Location:		Material:	Steel	Element Type:		Environment:	Severe	Protection System:		<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>4</td></tr> <tr><td>Total Quantity:</td><td>4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	4	Total Quantity:	4	Limited Inspection	<input type="checkbox"/>
Element Group:	Signs																										
Element Name:	Signs																										
Location:																											
Material:	Steel																										
Element Type:																											
Environment:	Severe																										
Protection System:																											
Length:																											
Width:																											
Height:																											
Count:	4																										
Total Quantity:	4																										
Limited Inspection	<input type="checkbox"/>																										
<table border="1" style="width:100%; border-collapse: collapse;"> <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></td> <td></td> <td>4</td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m				4	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td></td></tr> <tr><td>Other</td><td></td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td>\$0.00</td></tr> <tr><td>Priority</td><td>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</td></tr> </table>	Maint. Needs		Other		Perform. Deficiencies	None	Estimated Construction Cost:	\$0.00	Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent				
Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m				4																						
Maint. Needs																											
Other																											
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$0.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>No hazard markers present.</p>																											
<p>Recommended Work</p> <p>Install hazard markers.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Diaphragms</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Rectangular-solid</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Beams/MLE's	Element Name:	Diaphragms	Location:		Material:	Cast-in-place concrete	Element Type:	Rectangular-solid	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.5</td></tr> <tr><td>Width:</td><td>1.6</td></tr> <tr><td>Height:</td><td>1.05</td></tr> <tr><td>Count:</td><td>12</td></tr> <tr><td>Total Quantity:</td><td>32.76</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	0.5	Width:	1.6	Height:	1.05	Count:	12	Total Quantity:	32.76	Limited Inspection	<input type="checkbox"/>
Element Group:	Beams/MLE's																										
Element Name:	Diaphragms																										
Location:																											
Material:	Cast-in-place concrete																										
Element Type:	Rectangular-solid																										
Environment:	Benign																										
Protection System:	None																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <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>32.76</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		32.76			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td></td></tr> <tr><td>Priority</td><td>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:		Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent						
Condition Data:	Units	Exc	Good	Fair	Poor																						
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<p>Comments</p>																											
<p>Recommended Work</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Joints</td></tr> <tr><td>Element Name:</td><td>Concrete end dams</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Cast-in-place concrete on supports</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Joints	Element Name:	Concrete end dams	Location:	Each End	Material:	Cast-in-place concrete	Element Type:	Cast-in-place concrete on supports	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.45</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>7.64</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	0.45	Width:	8.5	Height:		Count:	2	Total Quantity:	7.64	Limited Inspection	<input type="checkbox"/>
Element Group:	Joints																										
Element Name:	Concrete end dams																										
Location:	Each End																										
Material:	Cast-in-place concrete																										
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Length:	0.45																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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Perform. Deficiencies	None																										
Estimated Construction Cost:																											
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Light to medium scaling</p>																											
<p>Recommended Work</p>																											

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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Joins</td></tr> <tr><td>Element Name:</td><td>Armouring/retaining devices</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Joins	Element Name:	Armouring/retaining devices	Location:	Each End	Material:	Steel	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>8.5</td></tr> <tr><td>Width:</td><td>0.083</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>8</td></tr> <tr><td>Total Quantity:</td><td>68</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	8.5	Width:	0.083	Height:		Count:	8	Total Quantity:	68	Limited Inspection	<input type="checkbox"/>		
Element Group:	Joins																												
Element Name:	Armouring/retaining devices																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
	m		68																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Joins</td></tr> <tr><td>Element Name:</td><td>Seals/sealants</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Other</td></tr> <tr><td>Element Type:</td><td>Strip seal</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Joins	Element Name:	Seals/sealants	Location:	Each End	Material:	Other	Element Type:	Strip seal	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>9</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>2</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:	9	Height:		Count:	2	Total Quantity:	2	Limited Inspection	<input type="checkbox"/>		
Element Group:	Joins																												
Element Name:	Seals/sealants																												
Location:	Each End																												
Material:	Other																												
Element Type:	Strip seal																												
Environment:	Benign																												
Protection System:	None																												
Length:																													
Width:	9																												
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<p>Comments</p> <div style="border: 1px solid black; padding: 2px;">Expansion joint gap filled with sand.</div>																													
<p>Recommended Work</p> <div style="border: 1px solid black; padding: 2px;">Clean gap as maintenance.</div>																													

Repair and Rehabilitation Required				
Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Approaches	Wearing surface	Repave approaches.	1-5 yrs	\$25,000.00
Approaches	Curb/gutters	Remove and replace west curb with gutter outlet and rock protection.	1-5 yrs	\$15,000.00
Decks	Wearing surface	Patch, Waterproof and Pave Deck	1-5 yrs	\$100,000.00
			Total	\$140,000.00

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$15,000.00
Utilities		\$0.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering & Contract Administration	\$20,000.00
Contingencies		\$50,000.00
Total Estimated Const. Cost		\$225,000.00

Justification

Structure Number: 03



Roadway looking east



SBGR / Barrier Connection (Typ.)

Structure Number: 03



Approach Slab (West) – Potential Settlement



Expansion Joint (Typ.)

Structure Number: 03



Deck Drain and Barrier (Typ.)



South Elevation (Utility Duct)

Structure Number: 03



Girder End / Bearing (Typ.)



Deck Soffit - Interior (Typ.)

Structure Number: 03



Diaphragm / Abutment (Typ.)



Pier Face (Typ.)

Structure Number: 03



West Abutment



Tree at S/W (Remove)

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	<input n"="" type="text" value="47d31'24.7"/>	Longitude	<input type="text" value="79d43'24.6" 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 steel girders"/>		
Total Deck Length	<input type="text" value="28.5"/> (m)	Posted Speed	<input type="text"/>
Overall Str Width	<input type="text" value="6.5"/> (m)	No of Lanes	<input type="text" value="1"/>
Total Deck Area	<input type="text" value="185.25"/> (sq. m)	AADT	<input type="text"/>
Roadway Width	<input type="text" value="5.7"/> (m)	% Trucks	<input type="text"/>
Span Lengths	<input type="text" value="14.25, 14.25"/> (m)		
		Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input checked="" 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="09/03/2020"/>
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: 06/28/2022 Temperature: 22° C
 Inspected By: D.M. Wills Associates Ltd.
 Inspector: David Bonsall, P. Eng.
 Others in Party: Luke Young
 Equipment Used: Camera and Hand Tools
 Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0
Next Date Inspection:	07/01/2024	
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

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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Piers</td></tr> <tr><td>Element Name:</td><td>Shafts/columns/Pile Bents</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Concrete shafts, pier walls</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="53.04"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Piers	Element Name:	Shafts/columns/Pile Bents	Location:		Material:	Cast-in-place concrete	Element Type:	Concrete shafts, pier walls	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.9</td></tr> <tr><td>Width:</td><td>6.9</td></tr> <tr><td>Height:</td><td>3.4</td></tr> <tr><td>Count:</td><td>1</td></tr> <tr><td>Total Quantity:</td><td>53.04</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	0.9	Width:	6.9	Height:	3.4	Count:	1	Total Quantity:	53.04
Element Group:	Piers																								
Element Name:	Shafts/columns/Pile Bents																								
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Material:	Cast-in-place concrete																								
Element Type:	Concrete shafts, pier walls																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Piers</td></tr> <tr><td>Element Name:</td><td>Bearings</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Plate</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text"/> <input type="text" value="8"/> <input type="text"/></p> <p>Comments Light to medium corrosion noted.</p> <p>Recommended Work</p>	Element Group:	Piers	Element Name:	Bearings	Location:		Material:	Steel	Element Type:	Plate	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>8</td></tr> <tr><td>Total Quantity:</td><td>8</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:		Width:		Height:		Count:	8	Total Quantity:	8
Element Group:	Piers																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/ML'E's</td></tr> <tr><td>Element Name:</td><td>Girders</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>I-type</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Beams/ML'E'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/ML'E's																												
Element Name:	Girders																												
Location:																													
Material:	Steel																												
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Limited Inspection	<input type="checkbox"/>																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
	Sq. m		254.46	3.7																									
Maint. Needs	None																												
Perform. Deficiencies	None																												
Estimated Construction Cost:																													
Priority	None																												
	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Light isolated corrosion at bottom flanges. Corrosion at top flanges where in contact with wooden deck. Staining of webs due to runoff from girders.</p>																													
<p>Recommended Work</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Coatings</td></tr> <tr><td>Element Name:</td><td>Structural Steel</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Other</td></tr> <tr><td>Element Type:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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																												
Element Name:	Structural Steel																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Coating has failed in isolated areas causing deterioration of steel beneath.</p>																													
<p>Recommended Work</p> <p>Recoat structural steel</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/ML'E's</td></tr> <tr><td>Element Name:</td><td>Diaphragms</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Channel</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Epoxy zinc/acrylic/acrylic</td></tr> </table>	Element Group:	Beams/ML'E'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/ML'E's																												
Element Name:	Diaphragms																												
Location:																													
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Light to medium corrosion.</p>																													
<p>Recommended Work</p>																													

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<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>Soffit - Thin Slab</td><td>Exterior</td></tr> <tr><td>Location:</td><td colspan="2"></td></tr> <tr><td>Material:</td><td colspan="2">Wood</td></tr> <tr><td>Element Type:</td><td colspan="2">Laminated wood decking - transverse</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">Penetrant applied</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"> Sq. m 34.2 </p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Decks		Element Name:	Soffit - Thin Slab	Exterior	Location:			Material:	Wood		Element Type:	Laminated wood decking - transverse		Environment:	Benign		Protection System:	Penetrant applied		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">28.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.6</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">34.2</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; padding: 2px;">None</div> <p>Perform. Deficiencies</p> <div style="border: 1px solid black; padding: 2px;">None</div> <p>Estimated Construction Cost: </p> <p style="text-align: right;">Priority</p> <div style="border: 1px solid black; padding: 2px;"> <p style="background-color: black; color: white; margin: 0;">None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p> </div>	Length:	28.5	Width:	0.6	Height:		Count:	2	Total Quantity:	34.2
Element Group:	Decks																															
Element Name:	Soffit - Thin Slab	Exterior																														
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Element Group:	Decks																															
Element Name:	Soffit - Thin Slab	Interior																														
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<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>Deck top</td><td></td></tr> <tr><td>Location:</td><td colspan="2"></td></tr> <tr><td>Material:</td><td colspan="2">Wood</td></tr> <tr><td>Element Type:</td><td colspan="2">Laminated wood decking - transverse</td></tr> <tr><td>Environment:</td><td colspan="2">Benign</td></tr> <tr><td>Protection System:</td><td colspan="2">Penetrant applied</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"> Sq. m 173.84 </p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Decks		Element Name:	Deck top		Location:			Material:	Wood		Element Type:	Laminated wood decking - transverse		Environment:	Benign		Protection System:	Penetrant applied		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">28.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">6.1</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">173.84</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; padding: 2px;">None</div> <p>Perform. Deficiencies</p> <div style="border: 1px solid black; padding: 2px;">None</div> <p>Estimated Construction Cost: </p> <p style="text-align: right;">Priority</p> <div style="border: 1px solid black; padding: 2px;"> <p style="background-color: black; color: white; margin: 0;">None</p> <p>6-10 yrs</p> <p>1-5 yrs</p> <p>Within 1 yr</p> <p>Urgent</p> </div>	Length:	28.5	Width:	6.1	Height:		Count:		Total Quantity:	173.84
Element Group:	Decks																															
Element Name:	Deck top																															
Location:																																
Material:	Wood																															
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Wood Planks</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>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%; text-align: center;">173.84</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments 2x6 tongue and groove boards.</p> <p>Recommended Work</p>	Element Group:	Decks	Element Name:	Wearing surface	Location:		Material:	Wood	Element Type:	Wood Planks	Environment:	Severe	Protection System:	None	Sq. m		173.84			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">28.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">6.1</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.038</td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">173.84</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	28.5	Width:	6.1	Height:	0.038	Count:		Total Quantity:	173.84
Element Group:	Decks																													
Element Name:	Wearing surface																													
Location:																														
Material:	Wood																													
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Count:																														
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Sidewalks/curbs</td></tr> <tr><td>Element Name:</td><td>Curbs</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Rectangular-solid</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Penetrant applied</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%; text-align: center;">43.6</td> <td style="width:15%; text-align: center;">2</td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Sidewalks/curbs	Element Name:	Curbs	Location:	Each Side	Material:	Wood	Element Type:	Rectangular-solid	Environment:	Benign	Protection System:	Penetrant applied	Sq. m		43.6	2		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">28.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">0.2</td></tr> <tr><td>Height:</td><td style="text-align: right;">0.3</td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">45.6</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority None 6-10 yrs 1-5 yrs Within 1 yr Urgent</p>	Length:	28.5	Width:	0.2	Height:	0.3	Count:	2	Total Quantity:	45.6
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Element Group:	Barriers																													
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Municipal Structure Inspection Form

Structure Number: 04

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Steel Flex Beam on wood post</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m 41.8 15.2</p> <p>Comments</p> <p>No barrier at approaches. Consideration should be given to install handrails.</p> <p>Recommended Work</p> <p>Install SBGR at approaches.</p>	Element Group:	Barriers	Element Name:	Railing Systems	Location:	Each Side	Material:	Steel	Element Type:	Steel Flex Beam on wood post	Environment:	Severe	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>28.5</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>57</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table> <p>Maint. Needs</p> <p>Bridge Handrail Maintenance</p> <p>Perform. Deficiencies</p> <p>Pedestrian/vehicular hazard</p> <p>Estimated Construction Cost: \$50,000.00</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:	28.5	Width:		Height:		Count:	2	Total Quantity:	57	Limited Inspection	<input type="checkbox"/>	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Barriers																															
Element Name:	Railing Systems																															
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Limited Inspection	<input type="checkbox"/>																															
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	Install SBGR at approaches.	1-5 yrs	\$50,000.00
Coatings	Structural Steel	Recoat structural steel	6-10 yrs	\$200,000.00
Total				\$250,000.00

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 & Contract Administration	\$50,000.00
Contingencies		\$50,000.00
Total Estimated Const. Cost		\$350,000.00

Justification

Structure Number: 04



Roadway looking west



South Elevation

Structure Number: 04



Deck End / Approach Interface (Typ.)



Deck Top – Curb – Barrier (Typ.)

Structure Number: 04



West Abutment



Pier Face (Typ.)

Structure Number: 04



Deck Soffit / Girders (Typ.)



Diaphragm (Typ.)

Structure Number: 04



Exterior deck cantilever (Post mount)



Pier Nosing (Debris)

Structure Number: 04



East Abutment



Bearing (Typ.)

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 n"="" type="text" value="47d32'14.1"/>	Longitude	<input type="text" value="79d42'55.0" 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="50"/> (m)	Posted Speed	<input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="9.3"/> (m)	AADT	<input type="text"/> % Trucks <input type="text"/>
Total Deck Area	<input type="text" value="465"/> (sq. m)	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input checked="" type="checkbox"/> Bicycle <input type="checkbox"/>
Roadway Width	<input type="text" value="8.5"/> (m)	Detour Length Around Bridge	<input type="text" value="10"/> (km)
Span Lengths	<input type="text" value="13.9, 19.8, 13.9"/> (m)		
		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="09/03/2020"/>
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)			
2019 - Superstructure rehabilitation			

Field Inspection Information

Date of Inspection: 06/27/2022 Temperature: 16° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	
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

<p>Element Group: <input type="text" value="Signs"/></p> <p>Element Name: <input type="text" value="Signs"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text" value="Steel"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Severe"/></p> <p>Protection System: <input type="text"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p><input type="text" value="Sq. m"/> <input type="text"/> <input type="text" value="4"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <p><input style="width:100%; height:40px;" type="text"/></p> <p>Recommended Work</p> <p><input style="width:100%; height:40px;" type="text"/></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>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></p> <p>Priority</p> <p><input type="text" value="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: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Embankments"/></p> <p>Location: <input type="text" value="Each Quadrant"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text" value="None"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p><input type="text" value="Each"/> <input type="text"/> <input type="text" value="4"/> <input type="text" value="2"/> <input type="text"/></p> <p>Comments</p> <p><input style="width:100%; height:40px;" type="text" value="Some erosion of embankments under bridge."/></p> <p>Recommended Work</p> <p><input style="width:100%; height:40px;" type="text"/></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>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority</p> <p><input type="text" value="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: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Streams and Waterways"/></p> <p>Location: <input type="text" value="Under Bridge"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text" value="None"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p><input type="text" value="Each"/> <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <p><input style="width:100%; height:40px;" type="text"/></p> <p>Recommended Work</p> <p><input style="width:100%; height:40px;" type="text"/></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>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text"/></p> <p>Priority</p> <p><input type="text" value="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: 05

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Foundations</td></tr> <tr><td>Element Name:</td><td>Foundation (below ground level)</td></tr> <tr><td>Location:</td><td>Abutments and Piers</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Spread</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="4"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	Element Group:	Foundations	Element Name:	Foundation (below ground level)	Location:	Abutments and Piers	Material:	Cast-in-place concrete	Element Type:	Spread	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td><input type="text"/></td></tr> <tr><td>Height:</td><td><input type="text"/></td></tr> <tr><td>Count:</td><td style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">4</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <div style="border: 1px solid black; padding: 2px;">None</div> <p>Perform. Deficiencies</p> <div style="border: 1px solid black; padding: 2px;">None</div> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">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:	<input type="text"/>	Width:	<input type="text"/>	Height:	<input type="text"/>	Count:	4	Total Quantity:	4
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Element Name:	Caps																								
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Municipal Structure Inspection Form

Structure Number: 05

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Element Name:	Bearings																												
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Total Quantity:	16																												
Limited Inspection	<input checked="" type="checkbox"/>																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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Municipal Structure Inspection Form

Structure Number: 05

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Condition Data:	Units	Exc	Good	Fair	Poor																								
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Element Group:	Abutments																												
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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<p>Comments</p> <p>Exposed corroded rebar at south-east exterior girder.</p>																													
<p>Recommended Work</p> <div style="border: 1px solid black; height: 40px;"></div>																													

Municipal Structure Inspection Form

Structure Number: 05

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Element Group:	Beams/MLE's																												
Element Name:	Diaphragms																												
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Limited Inspection	<input type="checkbox"/>																												
<table border="1" style="width:100%; border-collapse: collapse;"> <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>49.35</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		49.35			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td></td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:		Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
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	Within 1 yr																												
	Urgent																												
<p>Comments</p> <p>Reinforcing bars from pier cap portrude into diaphragms over piers.</p>																													
<p>Recommended Work</p>																													

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab Exterior</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Decks	Element Name:	Soffit - Thin Slab Exterior	Location:		Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>49</td></tr> <tr><td>Width:</td><td>1.45</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>71.05</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	49	Width:	1.45	Height:		Count:	2	Total Quantity:	71.05	Limited Inspection	<input type="checkbox"/>		
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Condition Data:	Units	Exc	Good	Fair	Poor																								
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Maint. Needs	None																												
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Element Name:	Soffit - Thin Slab Interior																												
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<p>Comments</p> <p>Stay in place metal form limits inspection.</p>																													
<p>Recommended Work</p>																													

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Structure Number: 05

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Element Name:	Approach slabs																												
Location:	Each End																												
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Limited Inspection	<input type="checkbox"/>																												
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<p>Comments</p> <div style="border: 1px solid black; height: 40px;"></div>																													
<p>Recommended Work</p> <div style="border: 1px solid black; padding: 5px;">Install form and fill groove as maintenance.</div>																													

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	Urgent																												
<p>Comments</p> <div style="border: 1px solid black; padding: 5px;">Severe surface scaling at north curb face.</div>																													
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Structure Number: 05

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Element Group:	Approaches																								
Element Name:	Curb/gutters																								
Location:	Each quadrant																								
Material:	Cast-in-place concrete																								
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Element Group:	Decks																								
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Height:																									
Count:																									
Total Quantity:	416.5																								

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Structure Number: 05

<p>Element Group: Barriers</p> <p>Element Name: Posts</p> <p>Location: Each Side</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: 64</p> <p>Total Quantity: 64</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 38 26 </p>	<p>Maint. Needs</p> <p>None</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: Barriers</p> <p>Element Name: Railing Systems</p> <p>Location: Each Side</p> <p>Material: Steel</p> <p>Element Type: 3 Rail Metal Railing - Aluminum</p> <p>Environment: Severe</p> <p>Protection System:</p>	<p>Length: 56.9</p> <p>Width:</p> <p>Height: 0.85</p> <p>Count: 2</p> <p>Total Quantity: 113.8</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 68.4 45.4 </p>	<p>Maint. Needs</p> <p>None</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: Drainage</p> <p>Location: Each Side</p> <p>Material: Steel</p> <p>Element Type: Drain pipe with basins</p> <p>Environment: Benign</p> <p>Protection System: Hot dip galvanizing</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 10</p> <p>Total Quantity: 10</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each 10 </p>	<p>Maint. Needs</p> <p>None</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: 05

Element Group:	Approaches	Length:	31.6
Element Name:	Railing Systems	Width:	
Location:	Each Quadrant	Height:	
Material:	Steel	Count:	4
Element Type:	Steel Flex Beam on wood post	Total Quantity:	126.4
Environment:	Severe	Limited Inspection	<input type="checkbox"/>
Protection System:	Hot dip galvanizing	Maint. Needs	None
Condition Data:	Units Exc Good Fair Poor	Perform. Deficiencies	None
	m 76 50.4	Estimated Construction Cost:	
Comments		Priority	None
			6-10 yrs
Recommended Work			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		\$0.00
Contingencies		\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 05



Roadway looking East



North Elevation

Structure Number: 05



SBGR End Treatment (Torn Hazard Marker)



End of Approach Slab (Cracking in Asphalt) – Typ.

Structure Number: 05



Deck End / Approach Slab (Cracking in Asphalt) – Typ.



Deck Drain (Double Shown) – Curb – Barrier (Typ.)

Structure Number: 05



Concrete Scaling – North Curb (Typ.)



Deck End / Wingwall Details (Typ.)

Structure Number: 05



Abutment Bearing (Typ.)



Deck Soffit (Interior) – Note: Stay-In-Place Form (Typ.)

Structure Number: 05



Deck End Diaphragm (Typ.)



Pier Bent (Typ.)

Structure Number: 05



Girder End Spall – S/E



Deck Exterior Soffit – Note: Barrier Anchorages (Typ.)

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 cons""="" type="text" value="Not "/>		
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)	No of Lanes	<input type="text" value="2"/>
Total Deck Area	<input type="text" value="750"/> (sq. m)	AADT	<input type="text"/>
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 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="09/03/2020"/>
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			

Element Data

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab End</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Decks	Element Name:	Soffit - Thin Slab End	Location:		Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align:right">2</td></tr> <tr><td>Width:</td><td style="text-align:right">6.3</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td style="text-align:right">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align:right">25.2</td></tr> <tr><td>Limited Inspection</td><td><input checked="" type="checkbox"/></td></tr> </table>	Length:	2	Width:	6.3	Height:		Count:	2	Total Quantity:	25.2	Limited Inspection	<input checked="" type="checkbox"/>
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Municipal Structure Inspection Form

Structure Number: 06

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Foundations</td></tr> <tr><td>Element Name:</td><td>Foundation (below ground level)</td></tr> <tr><td>Location:</td><td>Abutments and Piers</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Spread</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <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>Comments</p> <p>Recommended Work</p>	Element Group:	Foundations	Element Name:	Foundation (below ground level)	Location:	Abutments and Piers	Material:	Cast-in-place concrete	Element Type:	Spread	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td><input type="text"/></td></tr> <tr><td>Height:</td><td><input type="text"/></td></tr> <tr><td>Count:</td><td><input type="text" value="2"/></td></tr> <tr><td>Total Quantity:</td><td><input type="text" value="2"/></td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	<input type="text"/>	Width:	<input type="text"/>	Height:	<input type="text"/>	Count:	<input type="text" value="2"/>	Total Quantity:	<input type="text" value="2"/>	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
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Element Group:	Embankments & Streams																													
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Abutments</td></tr> <tr><td>Element Name:</td><td>Abutment walls</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Conventional closed</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m 40.55 3 </p> <p>Comments</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	<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> <p>None</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:	9.9	Height:	2.2	Count:	2	Total Quantity:	43.55
Element Group:	Abutments																								
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Element Group:	Abutments																								
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Element Name:	Ballast walls																								
Location:	Each End																								
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<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%;"></td> <td style="width:15%; text-align: center;">26.71</td> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">1</td> </tr> </table>	Sq. m			26.71		1	<p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input style="width:100%;" type="text"/></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>	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent													
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Piers</td></tr> <tr><td>Element Name:</td><td>Shafts/columns/Pile Bents</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Concrete hammer head</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Piers	Element Name:	Shafts/columns/Pile Bents	Location:		Material:	Cast-in-place concrete	Element Type:	Concrete hammer head	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>1.2</td></tr> <tr><td>Width:</td><td>6.5</td></tr> <tr><td>Height:</td><td>2</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>61.6</td></tr> </table>	Length:	1.2	Width:	6.5	Height:	2	Count:	2	Total Quantity:	61.6
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Element Group:	Piers																								
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Element Group:	Beams/MLE's																								
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Diaphragms</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Rectangular-solid</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m <input type="text"/> <input type="text" value="107"/> <input type="text"/> <input type="text" value="0.6"/></p> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Beams/MLE's	Element Name:	Diaphragms	Location:		Material:	Cast-in-place concrete	Element Type:	Rectangular-solid	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.3</td></tr> <tr><td>Width:</td><td>2.1</td></tr> <tr><td>Height:</td><td>1.07</td></tr> <tr><td>Count:</td><td>21</td></tr> <tr><td>Total Quantity:</td><td>107.6</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	0.3	Width:	2.1	Height:	1.07	Count:	21	Total Quantity:	107.6
Element Group:	Beams/MLE's																								
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Municipal Structure Inspection Form

Structure Number: 06

<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">Interior</td></tr> <tr><td>Location:</td><td colspan="3"> </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> <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%; text-align: center;">447.3</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	Element Group:	Decks			Element Name:	Soffit - Thin Slab	Interior		Location:				Material:	Cast-in-place concrete			Element Type:				Environment:	Benign			Protection System:	None			Sq. m		447.3			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">71</td></tr> <tr><td>Width:</td><td style="text-align: right;">6.3</td></tr> <tr><td>Height:</td><td> </td></tr> <tr><td>Count:</td><td> </td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">447.3</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Perform. Deficiencies</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Estimated Construction Cost: <input style="width: 100%;" type="text"/></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:	71	Width:	6.3	Height:		Count:		Total Quantity:	447.3	None	None	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Decks																																																		
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Element Name:	Drainage																																																		
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Element Group:	Joints																																						
Element Name:	Concrete end dams																																						
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Element Group:	Joints																																						
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Municipal Structure Inspection Form

Structure Number: 06

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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	None
Condition Data:	Units Exc Good Fair Poor	Perform. Deficiencies	None
	Sq. m <input type="text"/> <input type="text"/> 138 10	Estimated Construction Cost:	<input type="text"/>
Comments			
Recommended Work			
		Priority	<input type="text"/> None <input type="text"/> 6-10 yrs <input checked="" type="text"/> 1-5 yrs <input type="text"/> Within 1 yr <input type="text"/> Urgent

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	2022 Bridge Rehab. Study - Construction Est.	\$1,100,000.00
Other	Construction Inspection & Contract Administration	\$80,000.00
Contingencies	<input type="text"/>	\$215,000.00
Total Estimated Const. Cost		\$1,395,000.00

Justification

Structure Number: 06



Roadway looking East



Bridge Approach (West End) – Typ.

Structure Number: 06



Utility Duct Sweep – South Wingwalls (Each End)



Expansion Joint (Typ.)

Structure Number: 06



Deck Top- Wearing Surface Defects

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:	09/03/2020
Current Load Limit:	(tonnes)	Last BridgeMaster Inspection:	
Load Limit By-Law #:		Last Evaluation:	
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: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	
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

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	Urgent																												
<p>Comments</p> <div style="border: 1px solid black; padding: 5px;"> Light to medium scaling at waterline. Some narrow to vertical cracks throughout both piers. </div>																													
<p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>																													

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Structure Number: 07

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Element Name:	Caps																												
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Material:	Cast-in-place concrete																												
Element Type:																													
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<p>Comments</p> <p>Wide cracking and some areas of honeycombing at south. Rust staining at bearings.</p>																													
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Element Group:	Abutments																												
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<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>Abutments</td></tr> <tr><td>Element Name:</td><td>Wingwalls</td></tr> <tr><td>Location:</td><td>Each Quadrant</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Reinforced concrete</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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%; text-align: center;">23</td> <td style="width:15%; text-align: center;">1</td> <td style="width:15%; text-align: center;">0.2</td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	Element Group:	Abutments	Element Name:	Wingwalls	Location:	Each Quadrant	Material:	Cast-in-place concrete	Element Type:	Reinforced concrete	Environment:	Benign	Protection System:	None	Sq. m		23	1	0.2	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">5.5</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td style="text-align: right;">1.1</td></tr> <tr><td>Count:</td><td style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">24.2</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Perform. Deficiencies</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Estimated Construction Cost: <input type="text"/></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	None	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Abutments																																				
Element Name:	Wingwalls																																				
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Material:	Cast-in-place concrete																																				
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Abutments</td></tr> <tr><td>Element Name:</td><td>Ballast walls</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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%; text-align: center;">79.34</td> <td style="width:15%; text-align: center;">1</td> <td style="width:15%; text-align: center;">0.5</td> </tr> </table> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <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	Sq. m		79.34	1	0.5	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td style="text-align: right;">23.1</td></tr> <tr><td>Height:</td><td style="text-align: right;">1.75</td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">80.84</td></tr> </table> <p>Limited Inspection <input checked="" type="checkbox"/></p> <p>Maint. Needs</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Perform. Deficiencies</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>None</td></tr> </table> <p>Estimated Construction Cost: <input type="text"/></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	None	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Abutments																																				
Element Name:	Ballast walls																																				
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Element Group:	Beams/MLÉ's																																		
Element Name:	Girders																																		
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab Exterior</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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%; text-align: center;">97.3</td> <td style="width:15%; text-align: center;">97.8</td> <td style="width:15%; text-align: center;">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	Sq. m		97.3	97.8	0.5	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">81.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">1.2</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td style="text-align: right;">2</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">195.6</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$10,000.00</p> <p style="text-align: right;">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:	81.5	Width:	1.2	Height:		Count:	2	Total Quantity:	195.6	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Decks																																		
Element Name:	Soffit - Thin Slab Exterior																																		
Location:	Each Side																																		
Material:	Cast-in-place concrete																																		
Element Type:																																			
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Protection System:	None																																		
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Soffit - Thin Slab Interior</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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%; text-align: center;">1140.63</td> <td style="width:15%; text-align: center;">1</td> <td style="width:15%; text-align: center;">1</td> </tr> </table> <p>Comments</p> <p>Areas of previous patching with cracks propagating through patch. Isolated small spalls near girders. Narrow transverse cracking throughout.</p> <p>Recommended Work</p> <p>Repair concrete.</p>	Element Group:	Decks	Element Name:	Soffit - Thin Slab Interior	Location:		Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	Sq. m		1140.63	1	1	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">81.5</td></tr> <tr><td>Width:</td><td style="text-align: right;">14.02</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">1142.63</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$40,000.00</p> <p style="text-align: right;">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:	81.5	Width:	14.02	Height:		Count:		Total Quantity:	1142.63	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Decks																																		
Element Name:	Soffit - Thin Slab Interior																																		
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<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>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"> Sq. m 172.79 </p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	<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>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: </p> <p style="text-align: right;">Priority: None</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: 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>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"> Sq. m 172.79 </p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	<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>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: </p> <p style="text-align: right;">Priority: None</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: 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="margin-left: 20px;"> Sq. m 1173.59 </p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; margin-bottom: 5px;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>	<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>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: </p> <p style="text-align: right;">Priority: None</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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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Asphalt</td></tr> <tr><td>Element Type:</td><td>Bituminous</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Decks	Element Name:	Wearing surface	Location:		Material:	Asphalt	Element Type:	Bituminous	Environment:	Severe	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>81.5</td></tr> <tr><td>Width:</td><td>14.4</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>1173.59</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	81.5	Width:	14.4	Height:		Count:		Total Quantity:	1173.59	Limited Inspection	<input type="checkbox"/>
Element Group:	Decks																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <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>1173.59</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		1173.59			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td>\$200,000.00</td></tr> <tr><td>Priority</td><td>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:	\$200,000.00	Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent						
Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m		1173.59																								
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<p>Comments</p> <p>Recommended Work</p> <p>Patch waterproof and repave.</p>																											

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Element Group:	Sidewalks/curbs																										
Element Name:	Sidewalks/Medians																										
Location:	Each Side																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m		373.25	3	3																						
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$400,000.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<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>Replace sidewalks</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Barrier/Parapet Walls Interior</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td>Parapet Wall with two rails</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Barriers	Element Name:	Barrier/Parapet Walls Interior	Location:	Each Side	Material:	Cast-in-place concrete	Element Type:	Parapet Wall with two rails	Environment:	Severe	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>92.5</td></tr> <tr><td>Width:</td><td>0.25</td></tr> <tr><td>Height:</td><td>0.6</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>111</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	92.5	Width:	0.25	Height:	0.6	Count:	2	Total Quantity:	111	Limited Inspection	<input type="checkbox"/>
Element Group:	Barriers																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$200,000.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Double Railing</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> m 182 1 </p> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Barriers	Element Name:	Railing Systems	Location:	Each Side	Material:	Steel	Element Type:	Double Railing	Environment:	Severe	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>91.5</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>183</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table> <p>Maint. Needs</p> <p>None</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:	91.5	Width:		Height:		Count:	2	Total Quantity:	183	Limited Inspection	<input type="checkbox"/>
Element Group:	Barriers																										
Element Name:	Railing Systems																										
Location:	Each Side																										
Material:	Steel																										
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Limited Inspection	<input type="checkbox"/>																										

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Joints</td></tr> <tr><td>Element Name:</td><td>Armouring/retaining devices</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m 115.19 </p> <p>Comments</p> <p>Missing concrete blockout at approach (N-E sidewalk).</p> <p>Recommended Work</p> <p>RegROUT angle.</p>	Element Group:	Joints	Element Name:	Armouring/retaining devices	Location:	Each End	Material:	Steel	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>14.4</td></tr> <tr><td>Width:</td><td></td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>8</td></tr> <tr><td>Total Quantity:</td><td>115.19</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table> <p>Maint. Needs</p> <p>Bridge Deck Joint Repair</p> <p>Perform. Deficiencies</p> <p>Pedestrian/vehicular hazard</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:	14.4	Width:		Height:		Count:	8	Total Quantity:	115.19	Limited Inspection	<input type="checkbox"/>
Element Group:	Joints																										
Element Name:	Armouring/retaining devices																										
Location:	Each End																										
Material:	Steel																										
Element Type:																											
Environment:	Benign																										
Protection System:	None																										
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Joints</td></tr> <tr><td>Element Name:</td><td>Concrete end dams</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m 26.79 1 1 </p> <p>Comments</p> <p>Deterioration at north assembly.</p> <p>Recommended Work</p>	Element Group:	Joints	Element Name:	Concrete end dams	Location:	Each End	Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>0.5</td></tr> <tr><td>Width:</td><td>14.4</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>28.79</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table> <p>Maint. Needs</p> <p>None</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:	0.5	Width:	14.4	Height:		Count:	4	Total Quantity:	28.79	Limited Inspection	<input type="checkbox"/>
Element Group:	Joints																										
Element Name:	Concrete end dams																										
Location:	Each End																										
Material:	Cast-in-place concrete																										
Element Type:																											
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Limited Inspection	<input type="checkbox"/>																										

Municipal Structure Inspection Form

Structure Number: 07

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Joins</td></tr> <tr><td>Element Name:</td><td>Seals/sealants</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Other</td></tr> <tr><td>Element Type:</td><td>Strip seal</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Joins	Element Name:	Seals/sealants	Location:	Each End	Material:	Other	Element Type:	Strip seal	Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>18.7</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>37.4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	18.7	Width:		Height:		Count:	2	Total Quantity:	37.4	Limited Inspection	<input type="checkbox"/>
Element Group:	Joins																										
Element Name:	Seals/sealants																										
Location:	Each End																										
Material:	Other																										
Element Type:	Strip seal																										
Environment:	Benign																										
Protection System:	None																										
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Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>North seal ripped near west end.</p>																											
<p>Recommended Work</p> <p>Replace north seal.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Decks</td></tr> <tr><td>Element Name:</td><td>Drainage</td></tr> <tr><td>Location:</td><td>Each Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Metal drain pipes</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table>	Element Group:	Decks	Element Name:	Drainage	Location:	Each Side	Material:	Steel	Element Type:	Metal drain pipes	Environment:	Severe	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td>0.15</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>4</td></tr> <tr><td>Total Quantity:</td><td>4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:	0.15	Height:		Count:	4	Total Quantity:	4	Limited Inspection	<input type="checkbox"/>
Element Group:	Decks																										
Element Name:	Drainage																										
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<p>Comments</p>																											
<p>Recommended Work</p>																											

Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Joins	Seals/sealants	Replace north seal.	6-10 yrs	\$30,000.00
Barriers	Barrier/Parapet Walls	Replace barrier walls.	6-10 yrs	\$200,000.00
Sidewalks/curbs	Sidewalks/Medians	Replace sidewalks	6-10 yrs	\$400,000.00
Decks	Wearing surface	Patch waterproof and repave.	6-10 yrs	\$200,000.00
Decks	Soffit - Thin Slab	Repair concrete.	6-10 yrs	\$40,000.00
Decks	Soffit - Thin Slab	Repair concrete.	6-10 yrs	\$10,000.00
Abutments	Bearings	Replace bearings at north.	6-10 yrs	\$100,000.00



Total	\$980,000.00
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Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$0.00
Traffic Control		\$50,000.00
Utilities	Ducts in Sidewalks / Utility Relocations	\$50,000.00
Right of Way		\$0.00
Environmental Study		\$0.00
Other	Engineering & Contract Administration	\$100,000.00
Contingencies		\$100,000.00
Total Estimated Const. Cost		\$1,280,000.00

Justification

Structure Number: 07



Roadway looking north



East elevation

Structure Number: 07



Expansion Joint (Cover Plate) – S/W



Expansion Joint (South)

Structure Number: 07



West Sidewalk / Parapet – Note: Deteriorated Junction Box Cover Plate



Expansion Joint (Cover Plate) – N/W (Missing Grout)

Structure Number: 07



Expansion Joint (North) - Torn Seal and End Dam Deterioration



Scaling and Spall – East Sidewalk/Curb

Structure Number: 07



Deck End Soffit (Interior) – Typ.



Pier (S/E)

Structure Number: 07



Abutment Bearing (South) – Typ.



Parapet / Expansion Joint (Typ.)

Structure Number: 07



North Abutment



Deck Soffit (Interior) – Typ.

Structure Number: 07



Bearing at N/E



North Abutment Bearing (Typ.)

Structure Number: 07



Utility Duct (N/W looking south)



Roadway looking south

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	<input type="text" value="30.25"/>	(m)	Posted Speed <input type="text" value="80"/>
Overall Str Width	<input type="text" value="5.65"/>	(m)	No of Lanes <input type="text" value="2"/>
Total Deck Area	<input type="text" value="170.9125"/>	(sq. m)	AADT <input type="text"/>
Roadway Width	<input type="text" value="8"/>	(m)	% Trucks <input type="text"/>
Span Lengths	<input type="text" value="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="09/03/2020"/>
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: 06/29/2022 Temperature: 15° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	<input type="text"/>	Total Cost 0
Next Date Inspection:	07/01/2024	
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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Embankments & Streams</td></tr> <tr><td>Element Name:</td><td>Embankments</td></tr> <tr><td>Location:</td><td>All</td></tr> <tr><td>Material:</td><td></td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>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%;">Each</td> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">2</td> <td style="width:15%;"></td> <td style="width:15%; text-align: center;">2</td> </tr> </table> <p>Comments North embankments severely eroded.</p> <p>Recommended Work</p>	Element Group:	Embankments & Streams	Element Name:	Embankments	Location:	All	Material:		Element Type:		Environment:	Benign	Protection System:	None	Each		2		2	<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 style="text-align: right;">4</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">4</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs None</p> <p>Perform. Deficiencies None</p> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">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:		Height:		Count:	4	Total Quantity:	4	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
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Element Name:	Embankments																																		
Location:	All																																		
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Environment:	Benign																																		
Protection System:	None																																		
Each		2		2																															
Length:																																			
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Municipal Structure Inspection Form

Structure Number: 08

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<p>Comments</p> <p>Some bent vertical members at northwest, bent top member at northeast. End post at north-east has impact damage.</p>																													
<p>Recommended Work</p> <p>Consider removing end panels on both sides and provide closure to adjacent trail railing.</p>																													

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Structure Number: 08

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>North End Along Path</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Steel Post <108 mm deep and steel rails</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>Other</td></tr> </table>	Element Group:	Barriers	Element Name:	Railing Systems	Location:	North End Along Path	Material:	Steel	Element Type:	Steel Post <108 mm deep and steel rails	Environment:	Severe	Protection System:	Other	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>6.2</td></tr> <tr><td>Width:</td><td>0.05</td></tr> <tr><td>Height:</td><td>1</td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>12.4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	6.2	Width:	0.05	Height:	1	Count:	2	Total Quantity:	12.4	Limited Inspection	<input type="checkbox"/>		
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Limited Inspection	<input type="checkbox"/>																												
<table border="1" style="width:100%; border-collapse: collapse;"> <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>m</td> <td></td> <td>276</td> <td>20</td> <td>4</td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		m		276	20	4	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td></td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:		Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
Condition Data:	Units	Exc	Good	Fair	Poor																								
	m		276	20	4																								
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	6-10 yrs																												
	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<p>Comments</p> <div style="border: 1px solid black; padding: 5px;"> Several location with impact damage at north rail, two locations with impact damage at southeast. </div>																													
<p>Recommended Work</p> <div style="border: 1px solid black; height: 30px;"></div>																													

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	\$60,000.00
Total				\$60,000.00

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		\$0.00
Other	Engineering & Contract Administration	\$25,000.00
Contingencies		\$25,000.00
Total Estimated Const. Cost		\$120,000.00

Justification

Structure Number: 08



Roadway looking west



North (Outlet) Elevation

Structure Number: 08



Culvert Barrel (Typ.)



Culvert Soffit (Outlet)

Structure Number: 08



Railings at Lookout (and along path)



Retaining Wall (between road and path)

Structure Number: 08



Debris / Blockage at Inlet



Culvert Barrel (Typ.)

Inventory Data

Structure Name	Mill Creek 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	Lakeview Avenue		
Structure Location	0.35 km East of Maple St S		
Latitude	<input n"="" type="text" value="47d 25'30.86"/>	Longitude	<input type="text" value="79d 37'57.81" 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="Arterial"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>	Posted Speed	<input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Old County	<input type="text" value="Temiskaming"/>	AADT	<input type="text"/> % Trucks <input type="text"/>
Geographic Twp	<input type="text" value="Haileybury"/>	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	Detour Length Around Bridge	<input type="text"/> (km)
Overall Str Width	<input type="text" value="23.3"/> (m)	Fill on Structure	<input type="text" value="1.2"/> (m)
Total Deck Area	<input type="text"/>	Skew Angle	<input type="text" value="0"/> (Degrees)
Roadway Width	<input type="text" value="7"/> (m)	Direction of Structure	<input type="text" value="East/West"/>
Span Lengths	<input type="text" value="6.6"/> (m)		
		No of Spans	<input type="text" value="1"/>

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: 6/28/22 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	7/01/24	
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

- | | | |
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| 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 |
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Element Data

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Location:																													
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Element Group:	Barriers																												
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Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$50,000.00

Justification

Structure Number: 09



Roadway looking east



North Elevation (Outlet)

Structure Number: 09



South Elevation (Inlet)



Concrete Damage (Typ.)

Structure Number: 09



Shoulder Washout over Barrel (North)



Barrel Corrosion (Typ.)

Structure Number: 09



Barrel Condition (Typ.)



Barrel Obvert (Bolt Seam) – Typ.

Inventory Data

Structure Name	Groom Drive 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	Groom Drive		
Structure Location	0.25 km of Silver Centre Rd		
Latitude	<input n"="" type="text" value="47d25'18.09"/>	Longitude	<input n"="" type="text" value="79d37'50.12"/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text"/>		
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="Haileybury"/>		
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text" value="0"/> No of Lanes <input type="text" value="0"/>
Overall Str Width	<input type="text" value="24.6"/>	(m)	AADT <input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Total Deck Area	<input type="text"/>	(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"/> (km)
Span Lengths	<input type="text" value="4.3 , 4.3"/> (m)		
			Fill on Structure <input type="text" value="1"/> (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"/>
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: 6/28/22 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	7/01/24	
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 |
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Element Data

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Municipal Structure Inspection Form

Structure Number: 10

<p>Element Group: Culverts</p> <p>Element Name: Barrels</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System:</p>	<p>Length: 24.6</p> <p>Width: 4.3</p> <p>Height: 2.4</p> <p>Count: 2</p> <p>Total Quantity: 526.44</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"/> 263.22 263.22</p>	<p>Maint. Needs</p> <p>None</p>
<p>Comments</p> <p>Severely corroded at and below waterline.</p>	<p>Perform. Deficiencies</p> <p>None</p>
<p>Recommended Work</p> <p>Replace Culvert</p>	<p>Estimated Construction Cost: \$355,000.00</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>Element Group: Embankments & Streams</p> <p>Element Name: Embankments</p> <p>Location:</p> <p>Material:</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System:</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 2</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Each <input type="text"/> 1 <input type="text"/> 1</p>	<p>Maint. Needs</p> <p>None</p>
<p>Comments</p> <p>Embankment on inlet is failing in between culverts at inlet.</p>	<p>Perform. Deficiencies</p> <p>None</p>
<p>Recommended Work</p> <p>Reconstruct with culvert works.</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>

Associated Work

	Comments	Estimated Cost
Approaches		\$0.00
Detours		\$10,000.00
Traffic Control		\$0.00
Utilities		\$0.00
Right of Way	Remove existing culverts	\$25,000.00
Environmental Study	Cofferdams and Dewatering	\$50,000.00
Other	Engineering & Contract Administration	\$75,000.00
Contingencies		\$50,000.00
Total Estimated Const. Cost		\$615,000.00

Justification

Structure Number: 10



Roadway looking east



South Elevation (Inlet)

Structure Number: 10



North Elevation (Outlet)



Culvert Barrel (Typ.)

Structure Number: 10



Culvert Barrel (corrosion at waterline) – Typ.



Culvert Barrel (corrosion and uplift at outlet) – Typ.

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	<input n"="" type="text" value="47d32'50.0"/>	Longitude	<input type="text" value="79d41'45.7" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text" value="Local"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>	Posted Speed	<input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Old County	<input type="text" value="Temiskaming"/>	AADT	<input type="text"/> % Trucks <input type="text"/>
Geographic Twp	<input type="text" value="Dymond"/>	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	Detour Length Around Bridge	<input type="text" value="10"/> (km)
Overall Str Width	<input type="text" value="35.4"/> (m)	Fill on Structure	<input type="text" value="2"/> (m)
Total Deck Area	<input type="text"/>	Skew Angle	<input type="text" value="0"/> (Degrees)
Roadway Width	<input type="text" value="7"/> (m)	Direction of Structure	<input type="text" value="East/West"/>
Span Lengths	<input type="text" value="4.0"/> (m)		
No of Spans	<input type="text" value="1"/>		

Historical Data

Year Built:	<input type="text" value="2009"/>	Last Biennial Inspection:	<input type="text" value="9/03/20"/>
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: 6/27/22 Temperature: 16° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	7/01/24	

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

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Municipal Structure Inspection Form

Structure Number: 11

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Approaches</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td>Each End</td></tr> <tr><td>Material:</td><td>Gravel</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Approaches	Element Name:	Wearing surface	Location:	Each End	Material:	Gravel	Element Type:		Environment:	Severe	Protection System:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">20</td></tr> <tr><td>Width:</td><td style="text-align: right;">7</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td style="text-align: right;">1</td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">140</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	20	Width:	7	Height:		Count:	1	Total Quantity:	140	Limited Inspection	<input type="checkbox"/>		
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Element Name:	Wearing surface																												
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Limited Inspection	<input type="checkbox"/>																												
<table border="1" style="width:100%; border-collapse: collapse;"> <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 style="text-align: center;">140</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		140			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td style="text-align: right;">\$0.00</td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:	\$0.00	Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
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	1-5 yrs																												
	Within 1 yr																												
	Urgent																												
<div style="border: 1px solid black; height: 40px; margin-bottom: 5px;">Comments</div> <div style="border: 1px solid black; height: 40px;">Recommended Work</div>																													

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		\$0.00
Other	Engineering & Contract Administration	\$15,000.00
Contingencies		\$15,000.00
Total Estimated Const. Cost		\$80,000.00

Justification

Structure Number: 11



Roadway looking South



West (Outlet) Projecting End

Structure Number: 11



East (Inlet) Projecting End



East (Inlet) Culvert Barrel Damage

Structure Number: 11



Culvert Barrel (looking west)



Culvert Barrel (minor corrosion at bolt seams)

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	<input type="text"/>	(m)	Posted Speed <input type="text"/>
Overall Str Width	<input type="text" value="2.7"/>	(m)	No of Lanes <input type="text" value="2"/>
Total Deck Area	<input type="text"/>	(sq. m)	AADT <input type="text"/>
Roadway Width	<input type="text" value="7.5"/>	(m)	% Trucks <input type="text"/>
Span Lengths	<input type="text" value="34.2"/> (m)		
	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="09/03/2020"/>	
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: 06/27/2022 Temperature: 16° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	

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

<p>Element Group: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Embankments"/></p> <p>Location: <input type="text" value="All"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text" value="None"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"><input type="text" value="Each"/> <input type="text"/> <input type="text" value="4"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<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>Maint. Needs</p> <input type="text" value="None"/> <p>Perform. Deficiencies</p> <input type="text" value="None"/> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">Priority</p> <input type="text" value="None"/> <input type="text" value="6-10 yrs"/> <input type="text" value="1-5 yrs"/> <input type="text" value="Within 1 yr"/> <input type="text" value="Urgent"/>
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<p>Element Group: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Streams and Waterways"/></p> <p>Location: <input type="text" value="Under Bridge"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text" value="None"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"><input type="text" value="m"/> <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<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>Maint. Needs</p> <input type="text" value="None"/> <p>Perform. Deficiencies</p> <input type="text" value="None"/> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">Priority</p> <input type="text" value="None"/> <input type="text" value="6-10 yrs"/> <input type="text" value="1-5 yrs"/> <input type="text" value="Within 1 yr"/> <input type="text" value="Urgent"/>
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<p>Element Group: <input type="text" value="Approaches"/></p> <p>Element Name: <input type="text" value="Wearing surface"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text" value="Gravel"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text" value="None"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;"><input type="text" value="Sq. m"/> <input type="text"/> <input type="text" value="150"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Length: <input type="text" value="20"/></p> <p>Width: <input type="text" value="7.5"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="1"/></p> <p>Total Quantity: <input type="text" value="150"/></p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <input type="text" value="None"/> <p>Perform. Deficiencies</p> <input type="text" value="None"/> <p>Estimated Construction Cost: <input type="text"/></p> <p style="text-align: right;">Priority</p> <input type="text" value="None"/> <input type="text" value="6-10 yrs"/> <input type="text" value="1-5 yrs"/> <input type="text" value="Within 1 yr"/> <input type="text" value="Urgent"/>
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Municipal Structure Inspection Form

Structure Number: 12

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	None								
Condition Data:	Units Exc Good Fair Poor	Perform. Deficiencies	None								
	Sq. m <input type="text"/> 178.7 17.1 <input type="text"/>	Estimated Construction Cost:	\$0.00								
Comments	Minor sagging. Light rusting at waterline. Open gaps at some joint locations. Minor damage at outlet. 2.7mm plate thickness.										
Recommended Work	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"></td> </tr> </table>										
		Priority	<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>	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent			
None											
6-10 yrs											
1-5 yrs											
Within 1 yr											
Urgent											

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 12



Roadway looking North



Culvert projecting end

Structure Number: 12



Culvert Barrel (Typ.)



Culvert Barrel (2700mm Dia. – 2.8mm Thickness)

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"/>	(m)	Posted Speed <input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="37.7"/>	(m)	AADT <input type="text"/> % Trucks <input type="text"/>
Total Deck Area	<input type="text"/>	(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="3.67"/>		(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"/>	Last Biennial Inspection:	<input type="text" value="09/03/2020"/>	
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: 06/27/2022 Temperature: 16° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	
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 |
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Element Data

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Element Group:	Approaches																										
Element Name:	Wearing surface																										
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Location:																											
Material:																											
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Environment:	Benign																										
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Perform. Deficiencies	None																										
Estimated Construction Cost:																											
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Erosion of stream bed at east. Large buildup at west (inlet).</p>																											
<p>Recommended Work</p> <p>Remove debris at west as maintenance.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Embankments & Streams</td></tr> <tr><td>Element Name:</td><td>Embankments</td></tr> <tr><td>Location:</td><td>All</td></tr> <tr><td>Material:</td><td></td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table>	Element Group:	Embankments & Streams	Element Name:	Embankments	Location:	All	Material:		Element Type:		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>4</td></tr> <tr><td>Total Quantity:</td><td>4</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	4	Total Quantity:	4	Limited Inspection	<input type="checkbox"/>
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Municipal Structure Inspection Form

Structure Number: 13

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Culverts</td></tr> <tr><td>Element Name:</td><td>Barrels</td></tr> <tr><td>Location:</td><td>Throughout</td></tr> <tr><td>Material:</td><td>Corrugated steel</td></tr> <tr><td>Element Type:</td><td>Pipe round</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m <input type="text"/> 183.3 34 <input type="text"/></p> <p>Comments</p> <p>Damage at inlet. Extensive light corrosion at bottom of culvert. Deformation of obvert.</p> <p>Recommended Work</p> <p><input style="width:100%; height:30px;" type="text"/></p>	Element Group:	Culverts	Element Name:	Barrels	Location:	Throughout	Material:	Corrugated steel	Element Type:	Pipe round	Environment:	Benign	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>37.7</td></tr> <tr><td>Width:</td><td>3.67</td></tr> <tr><td>Height:</td><td>3.67</td></tr> <tr><td>Count:</td><td>1</td></tr> <tr><td>Total Quantity:</td><td>217.33</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	37.7	Width:	3.67	Height:	3.67	Count:	1	Total Quantity:	217.33
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Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 13



East (Outlet) End of Culvert



Culvert Barrel (along South-East Wall)

Structure Number: 13



West (Inlet) Cut-Off Wall and Impact Damage to Culvert Barrel



Culvert Barrel (looking east)

Structure Number: 13



Culvert Barrel (along South-West Wall)

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	<input n"="" type="text" value="47d33'58.7"/>	Longitude	<input type="text" value="79d42'08.0" 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="Arch Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text" value="80"/> No of Lanes <input type="text" value="1"/>
Overall Str Width	<input type="text" value="39.55"/>	(m)	AADT <input type="text"/> % Trucks <input type="text"/>
Total Deck Area	<input type="text"/>	(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="5.6"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Span Lengths	<input type="text" value="4.4"/> (m)		
			Fill on Structure <input type="text" value="1.2"/> (m)
			Skew Angle <input type="text" value="30"/> (Degrees)
			Direction of Structure <input type="text" value="NE/SW"/>
			No of Spans <input type="text" value="1"/>

Historical Data

Year Built:	<input type="text" value="2010"/>	Last Biennial Inspection:	<input type="text" value="09/03/2020"/>	
Current Load Limit:	<input type="text"/>	(tonnes)	Last BridgeMaster Inspection:	<input type="text"/>
Load Limit By-Law #:	<input type="text"/>			
By-Law Expiry Date:	<input type="text"/>			
Min Vertical Clearance:	<input type="text"/>	(m)	Last Underwater Inspection:	<input type="text"/>
Rehab History: (Date/description)	<input type="text"/>			
			Last Condition Survey:	<input type="text"/>

Field Inspection Information

Date of Inspection: 06/27/2022 Temperature: 16° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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 0
Next Date Inspection:	07/01/2024	
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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Barriers</td></tr> <tr><td>Element Name:</td><td>Railing Systems</td></tr> <tr><td>Location:</td><td>North Side</td></tr> <tr><td>Material:</td><td>Steel</td></tr> <tr><td>Element Type:</td><td>Steel Flex Beam on steel post</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>Hot dip galvanizing</td></tr> </table>	Element Group:	Barriers	Element Name:	Railing Systems	Location:	North Side	Material:	Steel	Element Type:	Steel Flex Beam on steel post	Environment:	Benign	Protection System:	Hot dip galvanizing	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>39</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>39</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	39	Width:		Height:		Count:	1	Total Quantity:	39	Limited Inspection	<input type="checkbox"/>		
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Municipal Structure Inspection Form

Structure Number: 14

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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Culverts</td></tr> <tr><td>Element Name:</td><td>Inlet Components</td></tr> <tr><td>Location:</td><td>Cut-off Wall</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td>None</td></tr> </table> <p>Condition Data: Units Exc Good Fair Poor</p> <p> Sq. m <input type="text"/> <input type="text" value="5.02"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Culverts	Element Name:	Inlet Components	Location:	Cut-off Wall	Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:	None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td><input type="text"/></td></tr> <tr><td>Width:</td><td><input type="text"/></td></tr> <tr><td>Height:</td><td><input type="text"/></td></tr> <tr><td>Count:</td><td><input type="text"/></td></tr> <tr><td>Total Quantity:</td><td><input type="text" value="5.02"/></td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text"/></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:	<input type="text"/>	Width:	<input type="text"/>	Height:	<input type="text"/>	Count:	<input type="text"/>	Total Quantity:	<input type="text" value="5.02"/>	Limited Inspection	<input type="checkbox"/>	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Culverts																															
Element Name:	Inlet Components																															
Location:	Cut-off Wall																															
Material:	Cast-in-place concrete																															
Element Type:																																
Environment:	Benign																															
Protection System:	None																															
Length:	<input type="text"/>																															
Width:	<input type="text"/>																															
Height:	<input type="text"/>																															
Count:	<input type="text"/>																															
Total Quantity:	<input type="text" value="5.02"/>																															
Limited Inspection	<input type="checkbox"/>																															
None																																
6-10 yrs																																
1-5 yrs																																
Within 1 yr																																
Urgent																																

Municipal Structure Inspection Form

Structure Number: 14

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	None
Condition Data:	Units Exc Good Fair Poor	Perform. Deficiencies	None
	Sq. m <input type="text"/> 5.02 <input type="text"/> <input type="text"/>	Estimated Construction Cost:	<input type="text"/>
Comments	<div style="border: 1px solid black; height: 40px;"></div>		
Recommended Work			
		Priority	<div style="border: 1px solid black; padding: 2px;"> None 6-10 yrs 1-5 yrs Within 1 yr Urgent </div>

Repair and Rehabilitation Required

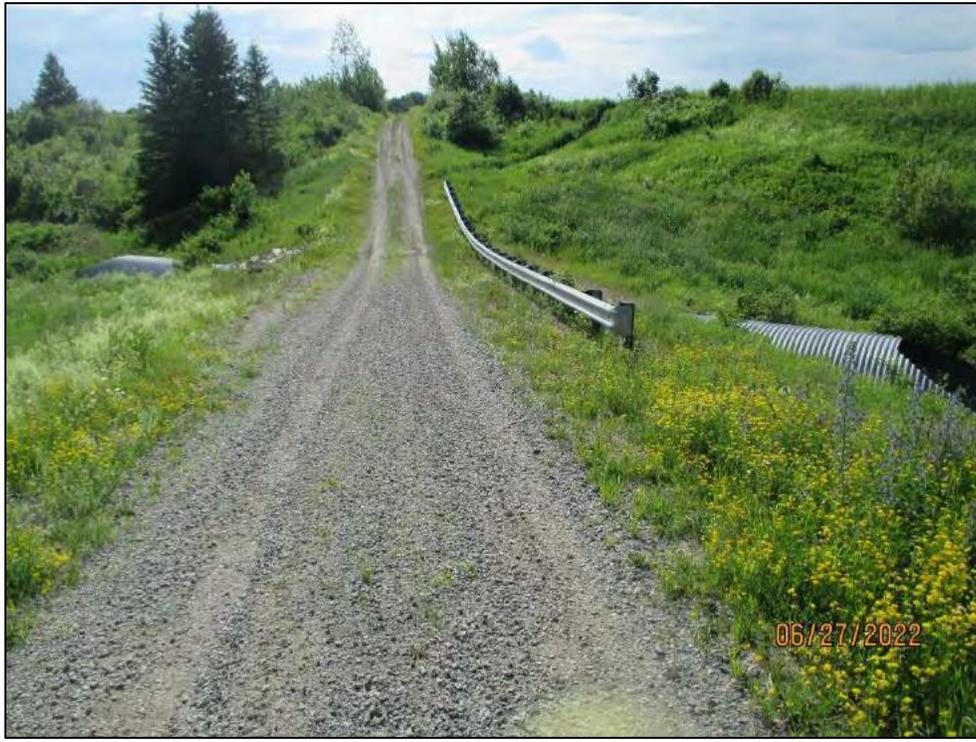
Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Embankments & Streams	Streams and Waterways	Place rockfill apron at outlet.	1-5 yrs	\$10,000.00
			Total	\$10,000.00

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$10,000.00

Justification

Structure Number: 14



Roadway looking West



North (Inlet) Projecting End

Structure Number: 14



South (Outlet) Projecting End



South Cut-Off Wall and Creek Scour at Outlet

Structure Number: 14



Culvert Barrel (looking north)

Inventory Data

Structure Name	New Liskeard City Hall		
Main Hwy/Road #	<input type="text"/>	On <input type="checkbox"/> Under <input type="checkbox"/>	Crossing Type <input type="text"/>
Road Name	Farr Drive		
Structure Location	325 Farr Drive		
Latitude	47d26'44.4" N	Longitude	79d37'46.8" 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	EPDM Roofing Membrane	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"/> (m)		
		No of Spans	<input type="text"/>

Historical Data

Year Built:	<input type="text" value="2007"/>	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: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	

Special Notes:

Roof Membrane is NOT fully-adhered and lifts in windy conditions. This is normal but inspections should be more frequent to ensure that roof membrane does not tear or tip in strong wind events.

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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Roofs</td></tr> <tr><td>Element Name:</td><td>Roof Membrane</td></tr> <tr><td>Location:</td><td>Lower Roof (North)</td></tr> <tr><td>Material:</td><td>EPDM</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Roofs	Element Name:	Roof Membrane	Location:	Lower Roof (North)	Material:	EPDM	Element Type:		Environment:	Severe	Protection System:		<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>440</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	1	Total Quantity:	440	Limited Inspection	<input type="checkbox"/>
Element Group:	Roofs																										
Element Name:	Roof Membrane																										
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Limited Inspection	<input type="checkbox"/>																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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Element Group:	Roofs																										
Element Name:	Roof Membrane																										
Location:	Main Upper Roof (Centre)																										
Material:	EPDM																										
Element Type:																											
Environment:	Severe																										
Protection System:																											
Length:																											
Width:																											
Height:																											
Count:	1																										
Total Quantity:	460																										
Limited Inspection	<input type="checkbox"/>																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m			460																							
Maint. Needs	Other																										
Perform. Deficiencies	None																										
Estimated Construction Cost:																											
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Recommended Work</p> <p>General Roof Maintenance (Drain Cleaning and Removal of Debris).</p>																											

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Element Group:	Roofs																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
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Perform. Deficiencies	None																										
Estimated Construction Cost:	\$0.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Seem fastened EPDM Membrane</p> <p>Recommended Work</p> <p>General Roof Maintenance (Drain Cleaning and Removal of Debris).</p>																											

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 15



South Elevation



Roof (S/W) – Typ.

Structure Number: 15



Roof (S/Mid.) – Multiple Vents



East Gable End / Roof over East Door

Structure Number: 15



Roof (N/E)



Roof (N/W) – Various Vents

Structure Number: 15



Projecting Glulam Roof Beams – Typ. (North Wall)



Dry Rot in Soffit Timbers (Typ. (South Roof Edge))

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	Posted Speed	<input type="text"/>
Geographic Twp	Dymond	AADT	<input type="text"/>
Structure Type	Asphalt Roll Roofing on Glulam Beams	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"/> (m)		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	09/03/2020
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: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	
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 |
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| 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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Beams/MLE's</td></tr> <tr><td>Element Name:</td><td>Girders</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Wood</td></tr> <tr><td>Element Type:</td><td>Glulam Beam</td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Beams/MLE's	Element Name:	Girders	Location:		Material:	Wood	Element Type:	Glulam Beam	Environment:	Benign	Protection System:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>19.25</td></tr> <tr><td>Width:</td><td>0.22</td></tr> <tr><td>Height:</td><td>0.61</td></tr> <tr><td>Count:</td><td>18</td></tr> <tr><td>Total Quantity:</td><td>575.19</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	19.25	Width:	0.22	Height:	0.61	Count:	18	Total Quantity:	575.19	Limited Inspection	<input type="checkbox"/>
Element Group:	Beams/MLE's																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m		555.19	10	10																						
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$10,000.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>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.</p>																											
<p>Recommended Work</p> <p>Recoat and provide moisture protection to exposed ends of beams.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Roofs</td></tr> <tr><td>Element Name:</td><td>Roof</td></tr> <tr><td>Location:</td><td>Flat portion of roof at south</td></tr> <tr><td>Material:</td><td>Asphalt</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Roofs	Element Name:	Roof	Location:	Flat portion of roof at south	Material:	Asphalt	Element Type:		Environment:	Severe	Protection System:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>7.92</td></tr> <tr><td>Width:</td><td>56.39</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>446.6</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	7.92	Width:	56.39	Height:		Count:		Total Quantity:	446.6	Limited Inspection	<input type="checkbox"/>
Element Group:	Roofs																										
Element Name:	Roof																										
Location:	Flat portion of roof at south																										
Material:	Asphalt																										
Element Type:																											
Environment:	Severe																										
Protection System:																											
Length:	7.92																										
Width:	56.39																										
Height:																											
Count:																											
Total Quantity:	446.6																										
Limited Inspection	<input type="checkbox"/>																										
<table border="1" style="width:100%; border-collapse: collapse;"> <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></td> <td>178.6</td> <td>268</td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m			178.6	268	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td>\$50,000.00</td></tr> <tr><td>Priority</td><td>None 6-10 yrs 1-5 yrs Within 1 yr Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:	\$50,000.00	Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent						
Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m			178.6	268																						
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$50,000.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Shingles on flat portion damaged due to water/ice/snow pouring on it from sloped roof.</p>																											
<p>Recommended Work</p> <p>Replace shingles.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Roofs</td></tr> <tr><td>Element Name:</td><td>Roof</td></tr> <tr><td>Location:</td><td>Sloped portion of roof</td></tr> <tr><td>Material:</td><td>Asphalt</td></tr> <tr><td>Element Type:</td><td>Long Strip Asphalt</td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Roofs	Element Name:	Roof	Location:	Sloped portion of roof	Material:	Asphalt	Element Type:	Long Strip Asphalt	Environment:	Severe	Protection System:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>19.25</td></tr> <tr><td>Width:</td><td>76.15</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td>2</td></tr> <tr><td>Total Quantity:</td><td>1465.88</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	19.25	Width:	76.15	Height:		Count:	2	Total Quantity:	1465.88	Limited Inspection	<input type="checkbox"/>
Element Group:	Roofs																										
Element Name:	Roof																										
Location:	Sloped portion of roof																										
Material:	Asphalt																										
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Protection System:																											
Length:	19.25																										
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Condition Data:	Units	Exc	Good	Fair	Poor																						
	Sq. m			732.94	732.94																						
Maint. Needs	None																										
Perform. Deficiencies	None																										
Estimated Construction Cost:	\$325,000.00																										
Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Long strip asphalt roof. Some areas where repairs had been done noted.</p>																											
<p>Recommended Work</p> <p>Replace roofing.</p>																											

Municipal Structure Inspection Form

Structure Number: 15

Element Group: <input type="text" value="Roofs"/> Element Name: <input type="text"/> Location: <input type="text" value="Underside of roof"/> Material: <input type="text" value="Wood"/> Element Type: <input type="text"/> Environment: <input type="text" value="Benign"/> Protection System: <input type="text"/>	Length: <input type="text" value="27.17"/> Width: <input type="text" value="76.15"/> Height: <input type="text"/> Count: <input type="text"/> Total Quantity: <input type="text" value="1912.48"/> Limited Inspection <input checked="" type="checkbox"/>										
Condition Data: <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <th style="width:10%;">Units</th> <th style="width:10%;">Exc</th> <th style="width:10%;">Good</th> <th style="width:10%;">Fair</th> <th style="width:10%;">Poor</th> </tr> <tr> <td style="text-align: center;">Sq. m</td> <td><input type="text"/></td> <td style="text-align: center;">1892.48</td> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> </tr> </table>	Units	Exc	Good	Fair	Poor	Sq. m	<input type="text"/>	1892.48	10	10	Maint. Needs <input type="text" value="None"/> Perform. Deficiencies <input type="text" value="None"/> Estimated Construction Cost: <input type="text" value="\$10,000.00"/> Priority: <input type="text" value="1-5 yrs"/>
Units	Exc	Good	Fair	Poor							
Sq. m	<input type="text"/>	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.											

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	\$325,000.00
Roofs	Roof	Replace shingles.	1-5 yrs	\$50,000.00
Beams/MLE's	Girders	Recoat and provide moisture protection to exposed ends of beams.	1-5 yrs	\$10,000.00
Total				\$395,000.00

Associated Work		
	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	(15%)	\$60,000.00
Total Estimated Const. Cost		\$455,000.00

Justification

Structure Number: 16



North Roof (west parapet)



North Roof (Typ.)

Structure Number: 16



North Roof (looking east)



North Roof (water ponding at blocked drain)

Structure Number: 16



South (Upper) Roof – looking north (Typ.)



South Roof (Upper – Left) / Parapet to Lower Roof (Right)

Structure Number: 16



South (Lower) Roof – Typ.



South (Upper) Roof – Uplift of EPDM Fabric (Typ.)

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"/> (m)		

Historical Data

Year Built:	<input type="text"/>	Last Biennial Inspection:	09/03/2020
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)			
Main Roof Replaced in 2020.			
Flat Upper Roofs (EPDM) replaced prior to 2020.			

Field Inspection Information

Date of Inspection: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	
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	None	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Each		7	0	0	None	
Comments						Estimated Construction Cost:	\$0.00
Recommended Work						Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Element Group:	Roof				Length:	55.48	
Element Name:					Width:	34.14	
Location:	Main Arena 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	None	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		1811.5	0	0	None	
Comments						Estimated Construction Cost:	\$0.00
Recommended Work						Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Element Group:	Roof				Length:		
Element Name:					Width:		
Location:	South and South-East (Upper) Roofs				Height:		
Material:	EDPM				Count:		
Element Type:					Total Quantity:	827.27	
Environment:	Severe				Limited Inspection	<input type="checkbox"/>	
Protection System:					Maint. Needs	Other	
Condition Data:	Units	Exc	Good	Fair	Poor	Perform. Deficiencies	
	Sq. m		827.27	0	0	None	
Comments	New EDPM roof coating.					Estimated Construction Cost:	\$0.00
Recommended Work	General Roof Maintenance (Drain Cleaning and Removal of Debris).					Priority	None
							6-10 yrs
							1-5 yrs
							Within 1 yr
							Urgent

Municipal Structure Inspection Form

Structure Number: 17

<p>Element Group: <input type="text" value="Roof"/></p> <p>Element Name: <input type="text"/></p> <p>Location: <input type="text" value="West (Lower) Roof"/></p> <p>Material: <input type="text" value="Other"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Severe"/></p> <p>Protection System: <input type="text"/></p>	<p>Length: <input type="text" value="60.67"/></p> <p>Width: <input type="text" value="6.4"/></p> <p>Height: <input type="text"/></p> <p>Count: <input type="text" value="1"/></p> <p>Total Quantity: <input type="text" value="388.29"/></p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p><input type="text" value="Sq. m"/> <input type="text"/> <input type="text" value="380.29"/> <input type="text" value="8"/> <input type="text" value="0"/></p>	<p>Maint. Needs</p> <p>Cleaning <input type="text"/></p> <p>Perform. Deficiencies</p> <p>None <input type="text"/></p> <p>Estimated Construction Cost: <input type="text" value="\$70,000.00"/></p> <p>Priority</p> <p>None <input type="text"/></p> <p>6-10 yrs <input type="text"/></p> <p>1-5 yrs <input checked="" type="text"/></p> <p>Within 1 yr <input type="text"/></p> <p>Urgent <input type="text"/></p>
<p>Comments</p> <p>Tar coating protected with gravel. Runoff from center roof displacing gravel (ballast) protection, allowing sun and rain to damage tar coating. Debris near drains, two overgrown trees. Damaged flashing.</p> <p>Recommended Work</p> <p>As maintenance: remove debris, trim trees, reinstate displaced gravel, repair flashing. Replace roof in 1-5 years.</p>	

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	<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"/>	<input type="text" value="\$0.00"/>
Total Estimated Const. Cost		<input type="text" value="\$70,000.00"/>

Justification

Structure Number: 17



East Elevation (Typ.)



East Elevation (Typ.)

Structure Number: 17

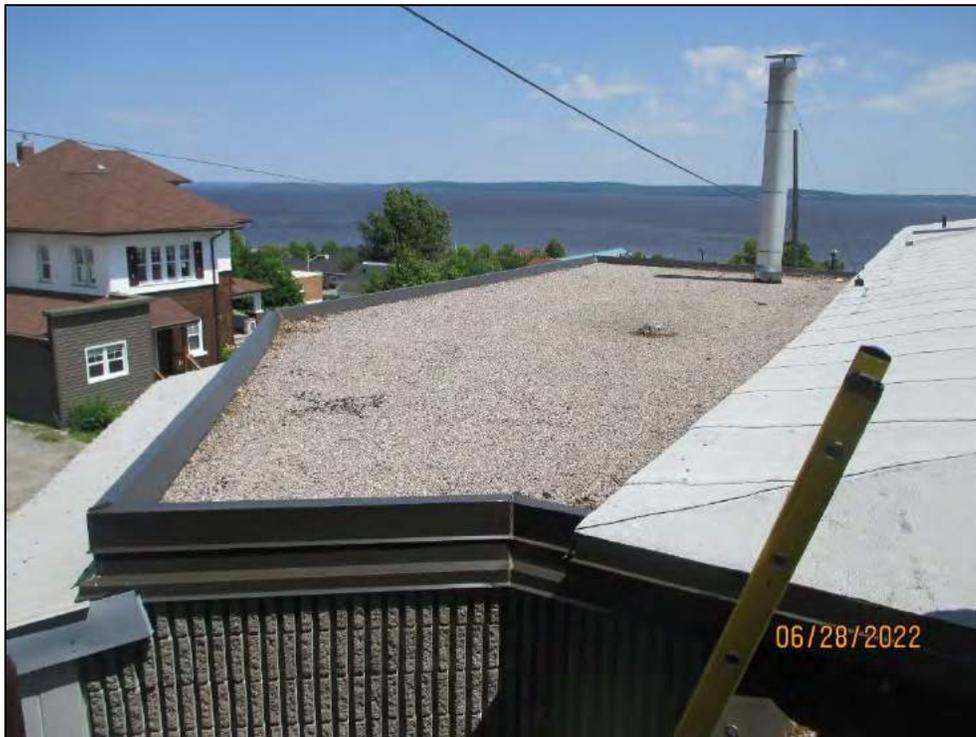


North (Lower) Roof (Untrimmed Roofing along East Edge)



North (Lower) Roof

Structure Number: 17



North Flat Roof



West Flat Roof (looking south)

Structure Number: 17



West Flat Roof (looking north) – trees to be trimmed



West Roof (Typ.)

Structure Number: 17



South (Upper) Flat Roof (Typ.)



South (Upper) Flat Roof – tree to be removed

Structure Number: 17



South (Upper) Roof – Typ.



South (Upper) Roof (looking north)

Inventory Data

Structure Name	Golf Course Rd 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	Golf Course Road		
Structure Location	0.4 km West of Trans Canada Highway		
Latitude	<input n"="" type="text" value="47d32'14.71"/>	Longitude	<input type="text" value="79d40'52.76" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>		
Old County	<input type="text" value="Timiskaming"/>		
Geographic Twp	<input type="text" value="Dymond"/>		
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text" value="0"/> No of Lanes <input type="text" value="0"/>
Overall Str Width	<input type="text" value="30.6"/>	(m)	AADT <input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Total Deck Area	<input type="text"/>	(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="8.5"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Span Lengths	<input type="text" value="2.2"/>		(m)
			Fill on Structure <input type="text" value="2.5"/> (m)
			Skew Angle <input type="text" value="15"/> (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"/>
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: 06/27/2022 Temperature: 16° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	
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

- | | | |
|--------------------------------------|---------------------------------|-------------------------------|
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Element Data

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Approaches</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Asphalt</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Approaches	Element Name:	Wearing surface	Location:		Material:	Asphalt	Element Type:		Environment:	Benign	Protection System:		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td>20</td></tr> <tr><td>Width:</td><td>8.5</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td>170</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:	20	Width:	8.5	Height:		Count:		Total Quantity:	170	Limited Inspection	<input type="checkbox"/>		
Element Group:	Approaches																												
Element Name:	Wearing surface																												
Location:																													
Material:	Asphalt																												
Element Type:																													
Environment:	Benign																												
Protection System:																													
Length:	20																												
Width:	8.5																												
Height:																													
Count:																													
Total Quantity:	170																												
Limited Inspection	<input type="checkbox"/>																												
<table border="1" style="width:100%; border-collapse: collapse;"> <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>170</td> <td></td> <td></td> </tr> </table>	Condition Data:	Units	Exc	Good	Fair	Poor		Sq. m		170			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Maint. Needs</td><td>None</td></tr> <tr><td>Perform. Deficiencies</td><td>None</td></tr> <tr><td>Estimated Construction Cost:</td><td>\$0.00</td></tr> <tr><td>Priority</td><td>None</td></tr> <tr><td></td><td>6-10 yrs</td></tr> <tr><td></td><td>1-5 yrs</td></tr> <tr><td></td><td>Within 1 yr</td></tr> <tr><td></td><td>Urgent</td></tr> </table>	Maint. Needs	None	Perform. Deficiencies	None	Estimated Construction Cost:	\$0.00	Priority	None		6-10 yrs		1-5 yrs		Within 1 yr		Urgent
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Municipal Structure Inspection Form

Structure Number: 18

<p>Element Group: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Embankments"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="2"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<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 type="checkbox"/></p> <p>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></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: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Streams and Waterways"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<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>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></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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Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 18



Roadway looking East



3-Cable Guiderail Post (Typ.)

Structure Number: 18



Culvert Inlet (North)



Culvert Inlet (North)

Structure Number: 18



Culvert Barrel (looking South)

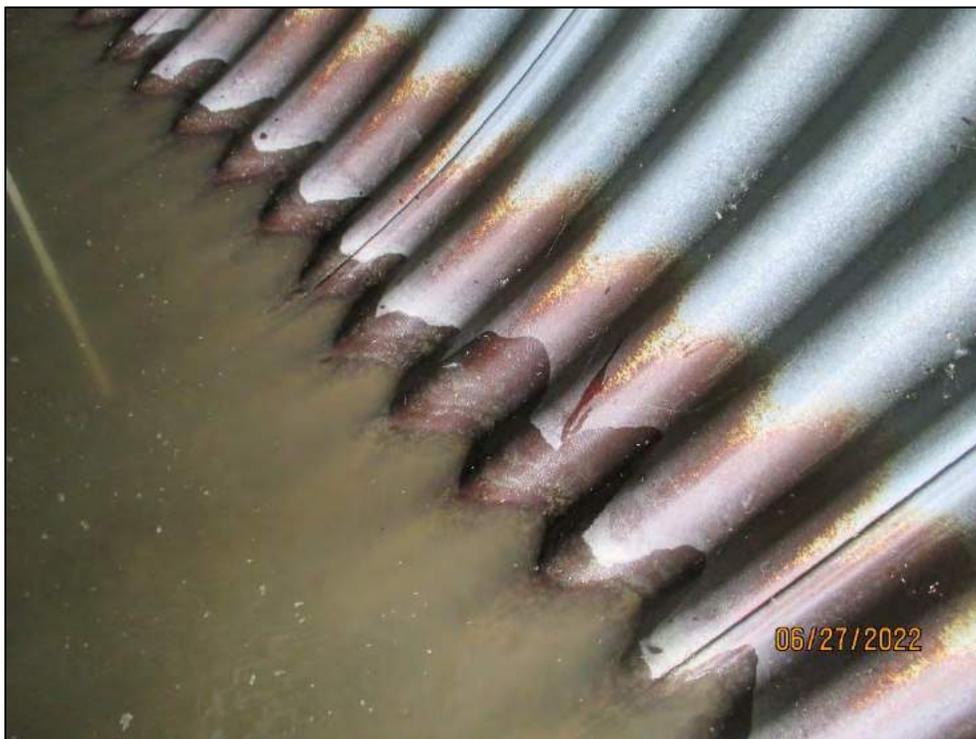


View South from Barrel (deep scour)

Structure Number: 18



Culvert Barrel (looking North) – Note grade breaks

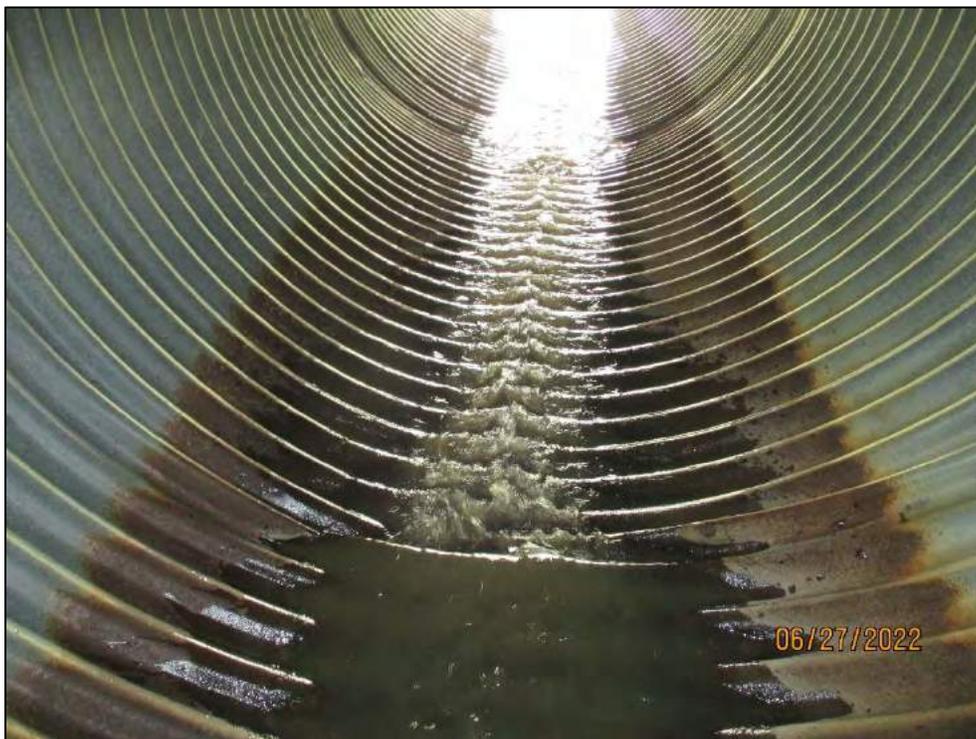


Minor Corrosion at Waterline

Structure Number: 18



Culvert Barrel (looking North) – Note grade breaks



Culvert Barrel (looking South) – Note grade breaks

Inventory Data

Structure Name	Dawson Point Road - Twin Culverts (East)		
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	Dawson Point Road		
Structure Location	1.6 km East of Peter's Rd		
Latitude	<input n"="" type="text" value="47d30'57.16"/>	Longitude	<input type="text" value="79d37'55.61" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text"/>		
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="New Liskeard"/>		
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text" value="50"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="21"/>	(m)	AADT <input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Total Deck Area	<input type="text"/>	(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="6"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Span Lengths	<input type="text" value="2.3 , 2.3"/> (m)		
			Fill on Structure <input type="text" value="1"/> (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"/>	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: 6/28/22 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	7/01/24	
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

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material: Asphalt</p> <p>Element Type:</p> <p>Environment: Severe</p> <p>Protection System:</p>	<p>Length: 15</p> <p>Width: 6</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 90</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 78 12</p>	<p>Maint. Needs</p> <p>None</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>Depression/soft spot in road at north side of north barrel.</p>	
<p>Recommended Work</p>	

<p>Element Group: Culverts</p> <p>Element Name: Barrels</p> <p>Location:</p> <p>Material: Steel</p> <p>Element Type: Pipe round</p> <p>Environment: Severe</p> <p>Protection System: None</p>	<p>Length: 21</p> <p>Width: 2.3</p> <p>Height: 1.7</p> <p>Count: 2</p> <p>Total Quantity: 264.6</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 132.3 132.3 </p>	<p>Maint. Needs</p> <p>None</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>Outlet of south barrel is perched.</p>	
<p>Recommended Work</p>	

<p>Element Group: Embankments & Streams</p> <p>Element Name: Streams and Waterways</p> <p>Location:</p> <p>Material:</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System:</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 2</p> <p>Total Quantity: 2</p> <p>Limited Inspection <input type="checkbox"/></p>
<p>Condition Data: Units Exc Good Fair Poor</p> <p>Sq. m 2 </p>	<p>Maint. Needs</p> <p>None</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>Rocks present at inlet of both pipes</p>	
<p>Recommended Work</p>	

Municipal Structure Inspection Form

Structure Number: 19

<p>Element Group: <u>Embankments & Streams</u></p> <p>Element Name: <u>Embankments</u></p> <p>Location: _____</p> <p>Material: _____</p> <p>Element Type: _____</p> <p>Environment: <u>Benign</u></p> <p>Protection System: _____</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="2"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Length: _____</p> <p>Width: _____</p> <p>Height: _____</p> <p>Count: _____ 2</p> <p>Total Quantity: _____ 2</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></p> <p style="text-align: right;">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>Retaining walls</u></p> <p>Element Name: <u>Walls</u></p> <p>Location: <u>West of Outlet</u></p> <p>Material: <u>Masonry</u></p> <p>Element Type: _____</p> <p>Environment: <u>Benign</u></p> <p>Protection System: _____</p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Sq. m <input type="text"/> <input type="text"/> <input type="text"/> <input type="text" value="6"/></p> <p>Comments</p> <p><u>Dry-stack stone wall.</u></p> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Length: _____</p> <p>Width: _____ 2</p> <p>Height: _____ 3</p> <p>Count: _____ 1</p> <p>Total Quantity: _____ 6</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></p> <p style="text-align: right;">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>Culverts</u></p> <p>Element Name: <u>Inlet Components</u></p> <p>Location: _____</p> <p>Material: <u>Cast-in-place concrete</u></p> <p>Element Type: _____</p> <p>Environment: <u>Severe</u></p> <p>Protection System: <u>None</u></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 40px; width: 100%;"></div>	<p>Length: _____</p> <p>Width: _____</p> <p>Height: _____</p> <p>Count: _____ 1</p> <p>Total Quantity: _____ 1</p> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></p> <p style="text-align: right;">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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Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 19



Roadway looking East



Culvert Outlet (South Elevation)

Structure Number: 19



East Barrel (looking north)



West Barrel (looking north)

Structure Number: 19



East Barrel (Scour at Outlet)



Stone Retaining Wall (S/W)

Structure Number: 19



Culvert Inlet



East Barrel (looking south)

Structure Number: 19



West Barrel (at mid-length)



West Barrel (leakage at bolt seam)

Inventory Data

Structure Name	Dawson Point Road - Twin Culverts (West)		
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	Dawson Point Road		
Structure Location	0.65 km East of Peter's Rd		
Latitude	<input n"="" type="text" value="47d 31'1.63"/>	Longitude	<input type="text" value="79d 38'34.78" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text"/>		
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="New Liskeard"/>		
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text" value="50"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="26"/>	(m)	AADT <input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Total Deck Area	<input type="text"/>	(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="6"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Span Lengths	<input type="text" value="3.2 , 3.2"/> (m)		
			Fill on Structure <input type="text" value="1.5"/> (m)
			Skew Angle <input type="text" value="10"/> (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"/>
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: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	
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

<p>Element Group: Approaches</p> <p>Element Name: Wearing surface</p> <p>Location:</p> <p>Material:</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System:</p>	<p>Length: 15</p> <p>Width: 6</p> <p>Height:</p> <p>Count:</p> <p>Total Quantity: 90</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"/> <input type="text"/> <input type="text"/> 90</p>	<p>Maint. Needs</p> <p>None</p>
<p>Comments</p> <p>Multiple potholes and patching, transverse cracking throughout.</p>	<p>Perform. Deficiencies</p> <p>None</p>
<p>Recommended Work</p> <p>Replace with Culverts.</p>	<p>Estimated Construction Cost: \$25,000.00</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>Element Group: Culverts</p> <p>Element Name: Barrels</p> <p>Location:</p> <p>Material:</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System:</p>	<p>Length: 26</p> <p>Width: 3.2</p> <p>Height: 2.1</p> <p>Count: 2</p> <p>Total Quantity: 436.8</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"/> 436.8 <input type="text"/> <input type="text"/></p>	<p>Maint. Needs</p> <p>None</p>
<p>Comments</p> <p>Obvert is depressed under north shoulder in both barrels.</p>	<p>Perform. Deficiencies</p> <p>None</p>
<p>Recommended Work</p> <p>Replace Culverts</p>	<p>Estimated Construction Cost: \$295,000.00</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>Element Group: Embankments & Streams</p> <p>Element Name: Streams and Waterways</p> <p>Location:</p> <p>Material:</p> <p>Element Type:</p> <p>Environment: Benign</p> <p>Protection System:</p>	<p>Length:</p> <p>Width:</p> <p>Height:</p> <p>Count: 1</p> <p>Total Quantity: 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"/> <input type="text"/> <input type="text"/> <input type="text"/></p>	<p>Maint. Needs</p> <p>Other</p>
<p>Comments</p>	<p>Perform. Deficiencies</p> <p>None</p>
<p>Recommended Work</p> <p>Remove timber.</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>

Municipal Structure Inspection Form

Structure Number: 20

<p>Element Group: <input type="text" value="Embankments & Streams"/></p> <p>Element Name: <input type="text" value="Embankments"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="2"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<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 type="checkbox"/></p> <p>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></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: <input type="text" value="Culverts"/></p> <p>Element Name: <input type="text" value="Inlet Components"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text" value="Cast-in-place concrete"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text"/> <input type="text" value="1"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<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 checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></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: <input type="text" value="Culverts"/></p> <p>Element Name: <input type="text" value="Outlet Components"/></p> <p>Location: <input type="text"/></p> <p>Material: <input type="text"/></p> <p>Element Type: <input type="text"/></p> <p>Environment: <input type="text" value="Benign"/></p> <p>Protection System: <input type="text"/></p> <p>Condition Data: Units Exc Good Fair Poor</p> <p style="margin-left: 20px;">Each <input type="text"/> <input type="text" value="1"/> <input type="text"/> <input type="text"/></p> <p>Comments</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p>Recommended Work</p> <div style="border: 1px solid black; height: 30px; width: 100%;"></div>	<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 checked="" type="checkbox"/></p> <p>Maint. Needs</p> <p><input type="text" value="None"/></p> <p>Perform. Deficiencies</p> <p><input type="text" value="None"/></p> <p>Estimated Construction Cost: <input type="text" value="\$0.00"/></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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Repair and Rehabilitation Required

Element Group	Element Name	Comments Repair/Rehabilitation	Priority (Years)	Estimated Cost
Culverts	Barrels	Replace Culverts	1-5 yrs	\$295,000.00
Approaches	Wearing surface	Replace with Culverts.	1-5 yrs	\$25,000.00
			Total	\$320,000.00

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$10,000.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	Remove existng culverts	\$20,000.00
Environmental Study	Dwatering & Cofferdams	\$20,000.00
Other	Engineering & Contract Administration	\$65,000.00
Contingencies	<input type="text"/>	\$65,000.00
Total Estimated Const. Cost		\$500,000.00

Justification

Structure Number: 20



Roadway looking West



Approach Wearing Surface (Poor)

Structure Number: 20



Culvert Outlet (South Elevation)



Culvert Inlet (North)

Structure Number: 20



West Culvert Barrel (looking South)



East Culvert Barrel (looking South)

Structure Number: 20



Culvert Damage (pulled from cut-off wall at inlet)



Cut-Off Wall (N/W)

Inventory Data

Structure Name	Lakeshore Rd South Tri-Barrel 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 South		
Structure Location	Immediately North of Latchford Rd & Lakeshore Rd S Intersection		
Latitude	<input n"="" type="text" value="47d27'31.94"/>	Longitude	<input type="text" value="79d38'19.72" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text"/>		
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="Haileybury"/>		
Structure Type	<input type="text" value="Ellipse Culvert"/>		
Total Deck Length	<input type="text" value="22.2"/>	(m)	Posted Speed <input type="text" value="0"/> No of Lanes <input type="text" value="0"/>
Overall Str Width	<input type="text"/>	(m)	AADT <input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Total Deck Area	<input type="text"/>	(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="10"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Span Lengths	<input type="text" value="1.2 / 1.0 / 1.2"/> (m)		
			Fill on Structure <input type="text" value="1.5"/> (m)
			Skew Angle <input type="text" value="10"/> (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"/>
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: 6/29/22 Temperature: 15° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather:

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	7/01/24	
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

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Approaches</td></tr> <tr><td>Element Name:</td><td>Wearing surface</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td>Asphalt</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>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%;"></td> <td style="width:15%; text-align: center;">100</td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Transverse and Longitudinal cracking throughout.</p> <p>Recommended Work</p>	Element Group:	Approaches	Element Name:	Wearing surface	Location:		Material:	Asphalt	Element Type:		Environment:	Severe	Protection System:	None	Sq. m			100		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">10</td></tr> <tr><td>Width:</td><td style="text-align: right;">10</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">100</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p style="text-align: right;">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:	10	Width:	10	Height:		Count:		Total Quantity:	100	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Approaches																																		
Element Name:	Wearing surface																																		
Location:																																			
Material:	Asphalt																																		
Element Type:																																			
Environment:	Severe																																		
Protection System:	None																																		
Sq. m			100																																
Length:	10																																		
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Sidewalks/curbs</td></tr> <tr><td>Element Name:</td><td>Sidewalk</td></tr> <tr><td>Location:</td><td>West of Road</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td></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%;"></td> <td style="width:15%; text-align: center;">15</td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Recommended Work</p>	Element Group:	Sidewalks/curbs	Element Name:	Sidewalk	Location:	West of Road	Material:	Cast-in-place concrete	Element Type:		Environment:	Benign	Protection System:		Sq. m			15		<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td style="text-align: right;">10</td></tr> <tr><td>Width:</td><td style="text-align: right;">1.5</td></tr> <tr><td>Height:</td><td></td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">15</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p style="text-align: right;">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:	10	Width:	1.5	Height:		Count:		Total Quantity:	15	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Sidewalks/curbs																																		
Element Name:	Sidewalk																																		
Location:	West of Road																																		
Material:	Cast-in-place concrete																																		
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Sq. m			15																																
Length:	10																																		
Width:	1.5																																		
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Urgent																																			

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Culverts</td></tr> <tr><td>Element Name:</td><td>Inlet Components</td></tr> <tr><td>Location:</td><td>Culvert Inlet</td></tr> <tr><td>Material:</td><td>Cast-in-place concrete</td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Severe</td></tr> <tr><td>Protection System:</td><td>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%; text-align: center;">17.64</td> <td style="width:15%;"></td> <td style="width:15%;"></td> </tr> </table> <p>Comments</p> <p>Chain link fence at top of headwall. Parged face.</p> <p>Recommended Work</p>	Element Group:	Culverts	Element Name:	Inlet Components	Location:	Culvert Inlet	Material:	Cast-in-place concrete	Element Type:		Environment:	Severe	Protection System:	None	Sq. m		17.64			<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Length:</td><td></td></tr> <tr><td>Width:</td><td style="text-align: right;">9.8</td></tr> <tr><td>Height:</td><td style="text-align: right;">1.8</td></tr> <tr><td>Count:</td><td></td></tr> <tr><td>Total Quantity:</td><td style="text-align: right;">17.64</td></tr> </table> <p>Limited Inspection <input type="checkbox"/></p> <p>Maint. Needs</p> <p>None</p> <p>Perform. Deficiencies</p> <p>None</p> <p>Estimated Construction Cost: \$0.00</p> <p style="text-align: right;">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:	9.8	Height:	1.8	Count:		Total Quantity:	17.64	None	6-10 yrs	1-5 yrs	Within 1 yr	Urgent
Element Group:	Culverts																																		
Element Name:	Inlet Components																																		
Location:	Culvert Inlet																																		
Material:	Cast-in-place concrete																																		
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Within 1 yr																																			
Urgent																																			

Associated Work

	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 21



Roadway looking South



Culvert Headwall (Inlet)

Structure Number: 21



Culvert Barrel (South) – looking east



Culvert Barrel (Middle) – looking east

Structure Number: 21



Culvert Barrel (North) – looking east



North Barrel (Outlet)

Structure Number: 21



Culvert Barrel (North) – looking west



South Barrel (Outlet)

Structure Number: 21



Culvert Barrel (South) – looking west

Inventory Data

Structure Name	Lakeshore Rd South 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 South		
Structure Location	Directly South of Intersection of Dutton St & Lakeshore Rd South		
Latitude	<input n"="" type="text" value="47d27'57.96"/>	Longitude	<input type="text" value="79d38'48.18" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input type="text" value="Not 'Cons'"/>		
Road Class:	<input type="text"/>		
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="Haileybury"/>		
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Posted Speed <input type="text" value="80"/> No of Lanes <input type="text" value="2"/>
Overall Str Width	<input type="text" value="27.1"/>	(m)	AADT <input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Total Deck Area	<input type="text"/>	(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="13"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Span Lengths	<input type="text" value="1.2"/> (m)		
			Fill on Structure <input type="text" value="1"/> (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"/>
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: 06/29/2022 Temperature: 15° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather:

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	
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

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| 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 |
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| 06 Bridge Bearing Maintenance | 12 Bridge Surface Repair | |



Element Data

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Element Name:	Wearing surface																										
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Total Quantity:	130																										
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Priority	None 6-10 yrs 1-5 yrs Within 1 yr Urgent																										
<p>Comments</p> <p>Transverse and longitudinal cracking throughout</p>																											
<p>Recommended Work</p> <p>Replace with culvert.</p>																											

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Element Group:</td><td>Embankments & Streams</td></tr> <tr><td>Element Name:</td><td>Embankments</td></tr> <tr><td>Location:</td><td></td></tr> <tr><td>Material:</td><td></td></tr> <tr><td>Element Type:</td><td></td></tr> <tr><td>Environment:</td><td>Benign</td></tr> <tr><td>Protection System:</td><td></td></tr> </table>	Element Group:	Embankments & Streams	Element Name:	Embankments	Location:		Material:		Element Type:		Environment:	Benign	Protection System:		<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>2</td></tr> <tr><td>Total Quantity:</td><td>2</td></tr> <tr><td>Limited Inspection</td><td><input type="checkbox"/></td></tr> </table>	Length:		Width:		Height:		Count:	2	Total Quantity:	2	Limited Inspection	<input type="checkbox"/>
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<p>Comments</p>																											
<p>Recommended Work</p>																											

Municipal Structure Inspection Form

Structure Number: 22

Element Group:	Culverts	Length:	27.1
Element Name:	Barrels	Width:	1.2
Location:		Height:	1.2
Material:		Count:	
Element Type:		Total Quantity:	102.2
Environment:	Benign	Limited Inspection	<input type="checkbox"/>
Protection System:		Maint. Needs	None
Condition Data:	Units Exc Good Fair Poor	Perform. Deficiencies	None
	Sq. m <input type="text"/> <input type="text"/> <input type="text"/> 102.2	Estimated Construction Cost:	\$95,000.00
Comments	Outlet has perforations at bottom.		
Recommended Work	Replace culvert.		
		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
Culverts	Barrels	Replace culvert.	1-5 yrs	\$95,000.00
Approaches	Wearing surface	Replace with culvert.	1-5 yrs	\$25,000.00
			Total	\$120,000.00

Associated Work		
	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$10,000.00
Utilities	<input type="text"/>	\$0.00
Right of Way	Remove existng culvert	\$5,000.00
Environmental Study	Cofferdam / Dewatering	\$10,000.00
Other	Engineering & CA	\$15,000.00
Contingencies	<input type="text"/>	\$25,000.00
Total Estimated Const. Cost		\$185,000.00

Justification

Structure Number: 22



Culvert Inlet (West)



Culvert Barrel (looking east)

Structure Number: 22



Culvert Outlet (East)



Culvert Barrel (looking west)

Structure Number: 22



Culvert Barrel (Outlet) – Perforated Invert



Culvert Marker at Outlet (East)

Inventory Data

Structure Name	King St. 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	King Street		
Structure Location	0.15 km South of Groom Dr.		
Latitude	<input n"="" type="text" value="47d25'17.76"/>	Longitude	<input type="text" value="79d38'45.58" w"=""/>
Owner(s)	<input type="text" value="City of Temiskaming Shores"/>		
Heritage Designation	<input cons""="" type="text" value="Not "/>		
Road Class:	<input type="text"/>		
MTO Region	<input type="text" value="Northern"/>		
MTO District	<input type="text" value="New Liskeard"/>	Posted Speed	<input type="text" value="50"/> No of Lanes <input type="text" value="4"/>
Old County	<input type="text" value="Temiskaming"/>	AADT	<input type="text" value="0"/> % Trucks <input type="text" value="0"/>
Geographic Twp	<input type="text" value="Haileybury"/>	Special Routes:	Transit <input type="checkbox"/> Truck <input type="checkbox"/> School <input type="checkbox"/> Bicycle <input type="checkbox"/>
Structure Type	<input type="text" value="Round Culvert"/>		
Total Deck Length	<input type="text"/>	(m)	Detour Length Around Bridge <input type="text"/> (km)
Overall Str Width	<input type="text" value="23"/>	(m)	Fill on Structure <input type="text" value="5"/> (m)
Total Deck Area	<input type="text"/>	(sq. m)	Skew Angle <input type="text" value="0"/> (Degrees)
Roadway Width	<input type="text" value="12"/>	(m)	Direction of Structure <input type="text" value="East/West"/>
Span Lengths	<input type="text" value="0.7"/> (m)		
No of Spans	<input type="text" value="1"/>		

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: 06/28/2022 Temperature: 22° C

Inspected By: D.M. Wills Associates Ltd.

Inspector: David Bonsall, P. Eng.

Others in Party: Luke Young

Equipment Used: Camera and Hand Tools

Weather: Sunny

Additional Investigations Required

	Priority	Estimated Cost
Detailed Deck Condition Survey:	None	0
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	0	Total Cost 0
Next Date Inspection:	07/01/2024	
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 |
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Maintenance Needs

- | | | |
|--------------------------------------|---------------------------------|-------------------------------|
| 01 Lift and Swing Bridge Maintenance | 07 Repair to Structural Steel | 13 Erosion Control at Bridges |
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Element Data

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Perform. Deficiencies	None																												
Estimated Construction Cost:	\$0.00																												
Priority	None																												
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	Within 1 yr																												
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Associated Work		
	Comments	Estimated Cost
Approaches	<input type="text"/>	\$0.00
Detours	<input type="text"/>	\$0.00
Traffic Control	<input type="text"/>	\$0.00
Utilities	<input type="text"/>	\$0.00
Right of Way	<input type="text"/>	\$0.00
Environmental Study	<input type="text"/>	\$0.00
Other	<input type="text"/>	\$0.00
Contingencies	<input type="text"/>	\$0.00
Total Estimated Const. Cost		\$0.00

Justification

Structure Number: 23



Roadway looking North



Culvert Inlet (West)

Structure Number: 23



Culvert Inlet (West)



Culvert Barrel (looking east)

Subject: Cost Sharing Agreement with MTO
– Grant Drive Extension

Report No.: PW-031-2022

Agenda Date: December 20, 2022

Attachments

Appendix 01: Resolution No. 2019-564

Appendix 02: Draft Cost Sharing Agreement - MTO (**Please refer to By-law No. 2022-182**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-031-2022; and
2. That Council directs staff to prepare the necessary by-law to enter into a cost sharing agreement with the Ministry of Transportation to construct a right turn taper and left turn lane on Highway 65E to accommodate the Grant Drive Extension for an upset limit of \$ 266,250.00 plus applicable taxes for Councils consideration at the Regular Council Meeting on December 20, 2022.

Background

On January 3rd, 2018 members of the Public Works Committee met with representatives from the Ministry of Transportation (MTO) to discuss future development in the north area of the City as well as public access onto Hwy 65E in order to extend Grant Drive, from Wilson Drive to the highway.

As a result of the meeting and at the recommendation of the MTO, it was determined that to move forward with any future development, along the Highway 11 or 65E corridors, a comprehensive Traffic Impact Study was required. A Request for Proposal was released and at the Regular Meeting of Council held on April 3rd, 2018, Council approved entering into an agreement with Paradigm Transportation Solutions to conduct the Traffic Impact Study.

This Traffic Impact Study was completed in November of 2018. Part of the recommendation from the study indicated that, should the construction of the Grant Drive Extension from Wilson Ave. to Highway 65E proceed an eastbound left turn lane and a westbound right turn taper on the highway would be required. The MTO agreed with this approach.

Representatives from the MTO and City staff met on numerous occasions to discuss next steps and costing associated with the completion of the Grant Drive Extension. As a result of

the discussions, the MTO was prepared to enter into a cost sharing agreement with the City that includes covering 100% of the design costs, 100% of the contract administration costs and 50% of the construction costs for the work required within their right-of-way with an estimated construction date of 2022. The City would be responsible for 100% of the design and construction cost of the Grant Drive Extension within City owned lands.

At a Special Meeting of Council held on November 1, 2019, Council was presented with this approach resulting in Resolution No. 2019-564 which approves entering into a cost sharing agreement with the MTO as outlined above. The Resolution is attached as Appendix 01.

During the 2022 Budget process, Council approved the construction of the Grant Drive Extension as a Capital Project with a budget of \$ 1,600,000.00. Included within this budget is the 50% construction cost for work within the MTO right-of-way.

At the Regular Meeting of Council held on December 21, 2021, Council approved entering into an agreement with EXP Services Inc. for the completion of design, tender preparation, and contract administration for construction of the Grant Drive Extension on City owned land.

Through consultation with EXP and MTO, it was identified that it would be in the best interest of both parties to have the construction on City land completed first to ensure that proper tie-ins can be incorporated within the MTO design. This approach resulted in the removal of asphalt from the tender and a deferral of MTO work to 2023.

The tender documents were released and at the Regular Meeting of Council held on June 7, 2022, Council approved entering into an agreement with Pedersen Construction in the amount of \$ 781,028.01 plus applicable taxes for the construction of the Grant Drive Extension (less asphalt) on City land.

The construction on City land has been completed and proper tie-ins are currently being incorporated into the MTO design.

Analysis

Pedersen Construction completed the construction of the Grant Drive Extension (less asphalt) slightly under budget in the amount of \$ 756,476.18.

The estimated asphalt cost to complete the project is approximately \$ 180,000.00.

In November of this year, Staff received and reviewed the draft 50/50 cost sharing agreement from the MTO for the required work within their right-of-way.

Highlights of the cost sharing agreement include:

- Total estimated cost of the project is \$ 465,000.00 plus applicable taxes (January 2022 estimate)
- Payment from the City shall not exceed a maximum amount of \$ 266,250.00

As a result, Staff is recommending that Council approves entering into a cost sharing agreement with the Ministry of Transportation for 50% of cost, up to a maximum amount of \$ 266,250.00 plus applicable taxes, for the construction of a new left turn lane and right turn taper on Highway 65E, as it relates to the Grant Drive Extension.

A Carry-over Capital Project for the completion of the Grant Drive Extension in the amount of \$ 600,000.00 will be presented to Council through the 2023 budget process.

Relevant Policy / Legislation / City By-Law

- By-Law No. 2017-015, Procurement Policy
- 2022 Capital Budget
- Resolution No. 2019-564
- Administrative Report PW-031-2022

Consultation / Communication

- Various Consultation Meetings with MTO
- Special Meeting of Council – November 1, 2019
- Regular Meeting of Council – December 1, 2021
- Regular Meeting of Council – June 7, 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

As mentioned above, Council approved the Grant Drive Extension as a Capital Project in 2022 with a budget amount of \$ 1,600,000.00, adjusted by By-Law 22-074 to \$1,270,000.

Approximately \$ 756,476 capital expense has been incurred by the City at December 31, 2022. The completion of this project has an additional estimated project cost (City portion) for year 2023 of \$600,000 (includes contingency for potential cost overruns) to be considered during the 2023 budget deliberations.

Funding the capital will need to be considered in the 2023 budget process to ensure the municipality is able to meet all financing and debt obligations however cancellation of

the project could impact the MTO Cost Share Agreement. Refer to Schedule B of the Cost Sharing Agreement.

Climate Considerations

The climate lens was used to consider the impacts for the completion of this project. Results indicate that this project does not contribute to an increase in greenhouse gases, temperature, or precipitation exposure. It is anticipated that there may be a reduction of greenhouse gas emissions as the completion of the project will result in less traffic congestion as well as maintain an active transportation component.

Alternatives

No alternatives were considered

Submission

Prepared by:

Reviewed and submitted for Council's consideration by:

"Original signed by"

"Original signed by"

Steve Burnett
Manager of Environmental Services

Amy Vickery
City Manager



The Corporation of the City of Temiskaming Shores
Special Meeting of Council
Friday, November 1, 2019

Resolution

Memo No. 017-2019-PW – Grant Drive/Hwy 65 E Intersection Cost Sharing Agreement

Resolution No.2019-564

Moved by: Councillor Jelly
Seconded by: Councillor Foley

Be it resolved that the Council of the City of Temiskaming Shores hereby acknowledges receipt of Memo No. 017-2019-PW;

That Council approves entering into a formal Cost Sharing Agreement with the MTO as per the discussions held on October 23rd whereby the Ministry has agreed to pay 100% of the Design costs, 100% of the Construction Administration costs and 50% of the Construction costs of the Highway 65E – Grant Drive Intersection with Project GWP 5041-17-00, with an estimated construction date of 2022;

That Council acknowledges that the Ministry will retain the services of a third-party Consultant, for the design of the works required at the Highway 65E – Grant Drive Intersection; and

That Council hereby authorizes staff to negotiate an Agreement with the third-party Consultant for the design of Grant Drive extension to coincide with the Highway 65E intersection work, which will be at a cost of 100% to the City.

Carried

Certified True Copy
City of Temiskaming Shores

A handwritten signature in black ink, appearing to read "David B. Treen".

David B. Treen
Municipal Clerk

Subject: Equipment Rental – Excavator

Report No.: PW-032-2022

Agenda Date: December 20, 2022

Attachments

Appendix 01: Pedersen Quotation

Appendix 02: Draft Amending By-law (**Please refer to By-law No. 2022-183**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-032-2022; and
2. That Council directs staff to prepare the necessary by-law to amend By-Law No. 2019-016, as amended being the agreement with Pedersen Construction (2013) Inc., to permit a one (1) year extension 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	\$160.00/ hour	\$200.00/ hour
Breaker Attachment	\$260.00/ hour	\$300.00/ hour
Excavation Time	\$160.00/ hour	\$200.00/ hour

for Councils consideration at the December 20, 2022 Regular Council Meeting

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 (RFQ) 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 expired on

December 31st, 2020. Within the provisions of the RFQ, the agreement may be extended should both parties agree.

At the Regular Council Meeting held on November 17, 2020, Council approved a 2-year extension to the agreement. This agreement is set to expire December 31, 2022.

Analysis

Pedersen Construction were contacted by staff to discuss an additional extension of the agreement in accordance with the provisions set out in the original RFQ. It was decided that, due to the unpredictability of fuel prices, a one (1) year extension would be the best approach. As a result, staff was presented with a new quotation which includes a 10% increase per hour for the equipment rental. Appendix 01 outlines the new quotation.

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 one (1) year period (January 1, 2023 – December 31, 2023).

Prior to the end of 2023, Staff will prepare and release a new RFQ for the provision of equipment rental services for 2024.

Relevant Policy / Legislation / City By-Law

- By-Law No. 2019-016
- Amending By-law 2020-113
- PW-RFQ-010-2018

Consultation / Communication

- Update to Public Works Committee Members
- Administrative Report PW-032-2022

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

October 21, 2022

City of Temiskaming Shores
PWO-RFQ-007-2020
 Equipment Rental – Excavator

Form of Quotation

Pedersen Construction (2013) Inc.

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 or Kenworth	Hour	\$160.00/hr	\$200.00/hr
2	Work Time including breaker attachment	CAT 320D 21,000 kg	Hour	\$260.00/hr	\$300.00/hr
3	Excavation Time	CAT 320D 21,000 kg	Hour	\$160.00/hr	\$200.00/hr

Pricing shall exclude applicable taxes but will be considered extra.

* From January 1, 2023 to December 31, 2023.



Karl Pedersen
 President

This is page 1 of 7 to be submitted

The Corporation of the City of Temiskaming Shores

By-law No. 2022-176

Being a by-law to authorize the entering into an Agreement with 947465 Ontario Ltd. o/a Voyago for the provision of Public Transit Services

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 The City of Temiskaming Shores shares a Public Transit System with the Town of Cobalt under the name of Temiskaming Transit Témiskaming (TTT) which is subsidized by the two municipalities on a percentage basis; and

Whereas the Transit Committee, overseeing Transit Services for both the City of Temiskaming Shores and the Town of Cobalt, considered the proposals, evaluations and comments from PW-RFP-007-2022 at the Transit Committee Meeting on November 25, 2022 and has recommended the proposal from Voyago; and

Whereas Council considered Administrative Report No. PW-030-2022 at the December 6, 2022 Regular Council meeting and directed staff to prepare the necessary by-law and agreement for Transit Contract Service with 947465 Ontario Ltd. o/a Voyago at a yearly cost of \$783,596.00 (2023) with an annual price increase equivalent to the Statistics Canada Price Index (C.P.I.) Ontario – All items excluding energy (2002 = 100) plus applicable taxes for consideration at the December 20, 2022 Regular Council meeting; and

Whereas Council and Committee further instructed staff to evaluate the Transit Routes & Schedule to prepare a more efficient operations calendar; effectively reducing total operating hours based on passenger counts and bus usage and therefore reducing Transit costs within the contract with Voyago.

Now therefore the Council of The Corporation of the City of Temiskaming Shores deems it necessary to enter into an Agreement with 947465 Ontario Ltd. o/a Voyago for the provision of a Public Transit System as follows:

1. That the Mayor and Clerk be authorized to enter into an agreement with 947465 Ontario Ltd. o/a Voyago for the provision of a Public Transit System, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.

2. That the said agreement be hereby for the period of January 1, 2023 to December 31, 2025 at a yearly cost of \$783,596.00 (2023) with an annual price increase equivalent to the Statistics Canada Price Index (C.P.I.) Ontario – All items excluding energy (2002 = 100) in order to deliver the transit services in accordance with the reviewed and approved transit routes and schedules, plus HST. Subject to adjustments in costs in relation to adjustments in operations.
3. 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.
4. That By-law 2017-123 being a By-law to authorize the entering into an Agreement with Stock Transportation Ltd. and the Town of Cobalt for a Public Transit System be hereby repealed, effective the 1st day of January 2023.
5. That this by-law shall come into force and effect upon the final passage thereof, and that all by-laws, parts of by-laws and resolutions inconsistent with this By-law are hereby repealed.

Read a first, second and third time and finally passed this 20th day of December, 2022.

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-Law No. 2022-177

Being a by-law to authorize the entering into an agreement with 947465 Ontario Ltd. o/a Voyago for the lease of five Accessible Transit Buses

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 responds 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 The City of Temiskaming Shores shares a Public Transit System with the Town of Cobalt under the name of Temiskaming Transit Témiskaming (TTT) which is subsidized by the two municipalities on a percentage basis; and

Whereas the City of Temiskaming Shores administers the Public Transit System on behalf of the Town of Cobalt with equal representation from both the Town of Cobalt and the City of Temiskaming Shores sitting on the TTT Committee; and

Whereas the City of Temiskaming Shores on behalf of the Temiskaming Transit Témiskaming (TTT) has entered into an agreement with 947465 ONTARIO LTD. o/a VOYAGO (the Operator) to operate the public transit system which is set to begin January 1, 2023 for a three-year term, expiring December 31, 2025; and

Whereas the City of Temiskaming Shores on behalf of the Temiskaming Transit Témiskaming (TTT) have Five (5) medium duty, low floor, accessible transit buses to be used by the public transit system; and

Whereas considered Administrative Report No. PW-030-2022 at its December 20, 2022 Regular Council meeting and directed staff to prepare the necessary by-law for the lease of accessible transit buses to 947465 ONTARIO LTD. o/a VOYAGO at a yearly lease of \$1.00 per leased bus plus HST; and

Whereas Council of The Corporation of the City of Temiskaming Shores deems it necessary to enter into an Agreement with 947465 ONTARIO LTD. o/a VOYAGO. for the lease of transit buses to fulfill the obligations as set out in By-Law No. 2022-176 known as the Agreement for the provisions of a Transit System.

Now therefore 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 947465 ONTARIO LTD. o/a VOYAGO, for the lease of five (5) accessible transit buses to 947465 ONTARIO LTD. o/a VOYAGO, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.
2. That the agreement for the lease of five accessible transit buses to 947465 ONTARIO LTD. o/a Voyago hereby covers the term commencing on January 1, 2023 and ending on December 31, 2025 at a yearly lease of \$1.00 per leased bus plus HST.
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.
4. That By-law No. 2013-140 being a By-law to authorize the entering into an Agreement with Stock Transportation Ltd. for the Lease of City-owned buses be hereby repealed, effective the 1st day of January 2023.
5. That this by-law shall come into force and effect upon the final passage thereof, and that all by-laws, parts of by-laws and resolutions inconsistent with this By-law are hereby repealed

Read a first, second and third time and finally passed this 20th day of December, 2022

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-law No. 2022-178

Being a by-law to authorize the entering into a Lease Agreement with Bumstead Trucking Ltd. for a portion of the premises known at 41 Golding Street, New Liskeard.

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 The City of Temiskaming Shores shares a Public Transit System with the Town of Cobalt under the name of Temiskaming Transit Témiskaming (TTT) which is subsidized by the two municipalities on a percentage basis; and

Whereas Council considered Administrative Report No. PW-030-2022 at the December 6, 2022 Regular Council meeting and directed staff to prepare the necessary by-law and agreement for Transit Contract Service with 947465 Ontario Ltd. o/a Voyago at a yearly cost of \$783,596.00 (2023) with an annual price increase equivalent to the Statistics Canada Price Index (C.P.I.) Ontario – All items excluding energy (2002 = 100) plus applicable taxes for consideration at the December 20, 2022 Regular Council meeting; and

Whereas Council directed staff to prepare the necessary by-law to enter into a 3-year lease agreement with Bumstead Trucking Ltd. for the provision of the premises known as 41 Golding Street, New Liskeard, Ontario for the amount of \$51,000 (including utilities), for consideration at the December 20, 2022, Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores deems it necessary to enter into an Agreement with Bumstead Trucking Ltd. for the provision of a Transit Facility as follows:

1. That the Mayor and Clerk be authorized to enter into an agreement with Bumstead Trucking Ltd. for the provision of a Transit Facility Lease Agreement, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.
2. That the said agreement be hereby for the period of January 1, 2023 to December 31, 2025 at a yearly cost of \$51,000.00 (including utilities) for the portion of the building as described in the Lease Sketch.

3. 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.
4. That this by-law shall come into force and effect upon the final passage thereof, and that all by-laws, parts of by-laws and resolutions inconsistent with this By-law are hereby repealed.

Read a first, second and third time and finally passed this 20th day of December, 2022.

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-law No. 2022-179

Being a by-law to amend By-law No. 2022-004 to enter into an agreement with the Federal Economic Development Agency for Northern Ontario as represented by the Minister of Indigenous Services and Minister responsible for the Federal Economic Development Agency for Northern Ontario for the Great Fire of 1922 Centennial Event (Project No. 851-513645) – Amendment No. 1

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 a Funding Agreement with Industry Canada (FedNor) for the Great Fire of 1922 Centennial Event, through By-law No. 2022-004 on January 18, 2022; and

Whereas Council considered Memo No. 049-2022-CS at the December 20, 2022 Regular Council meeting and directed staff to prepare the necessary by-law to amend By-law No. 2022-004 being an agreement with FedNor for the Great Fire of 1922 Centennial Event to extend the project completion date to March 7, 2023, for consideration at the December 20, 2022 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 hereby confirms the funding agreement amendment No. 1
2. That Schedule A to By-law No. 2022-004, be hereby amended by the Amending Agreement, a copy of which is hereto attached as Schedule A and forms part of this by-law.
3. That the Mayor and Clerk have the delegation of authority to execute any and all required documentation and amendments, on behalf of the City of Temiskaming Shores, as required under the Contribution Agreement, as long as the amendments do not create any financial liability for the City that is beyond a budget approved by Council.

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.

Read a first, second and third time and finally passed this 20th day of December, 2022.

Mayor

Clerk



Schedule "A" to

By-law No. 2022-179

Being a by-law to amend By-law No. 2022-004 to enter into a funding agreement with Industry Canada (FedNor) for the Great Fire of 1922 Centennial Event (Project No. 851-513645) – Amendment No. 1



19 Lisgar Street
Suite 307
Sudbury, Ontario
P3E 3L4

19 rue Lisgar
Bureau 307
Sudbury (Ontario)
P3E 3L4

December 5, 2022

Project Number: 851-513645

Mr. Jeff Lafferiére
Mayor
Corporation of the City of Temiskaming Shores
325 Farr Drive, P.O. Box 2050
Haileybury ON P0J 1K0

Dear Mr. Lafferiére:

**Re: Great Fire of 1922 Centennial Celebration
Amendment Number: 1**

As a result of your request dated November 30, 2022 to extend the project completion date, FedNor is prepared to amend our Contribution agreement of December 22, 2021 as follows:

Delete: Clause 2.1 The Recipient shall ensure that the Project described in Annex 1 (the "Project") commences on or before March 1, 2022 (the "Commencement Date") and is completed on or before January 31, 2023 (the "Completion Date").

Substitute: Clause 2.1 The Recipient shall ensure that the Project described in Annex 1 (the "Project") commences on or before March 1, 2022 (the "Commencement Date") and is completed on or before March 7, 2023 (the "Completion Date").

Delete: Annex 1 THE PROJECT - STATEMENT OF WORK

iii) Dates:

b) Completion Date - January 31, 2023

Substitute: Annex 1 THE PROJECT - STATEMENT OF WORK

iii) Dates:

b) Completion Date - March 7, 2023

All other terms and conditions of our Contribution agreement remain unchanged.

This amendment is open for acceptance for a period of 30 days following the date on the first page, after which it will be null and void. This amendment shall be effective the date the duplicate copy of this amendment, unconditionally accepted and duly executed by the Recipient, is received by FedNor.

If further information is required, please contact Denise Deschamps toll-free at 1-877-333-6673 ext. 3276 or 705-471-3276 in our North Bay office.

Yours sincerely,

Barrette, Marc
Digitally signed by
Barrette, Marc
Date: 2022.12.05 11:17:47
-05'00'

Lucie Perreault
Executive Director
Federal Economic Development Agency for Northern Ontario (FedNor)

Corporation of the City of Temiskaming Shores

Project Number: 851-513645

Amendment Number: 1

The foregoing is hereby accepted this _____ day of _____, _____.

Per: _____
Signature of Recipient

Title

Per: _____
Signature of Recipient

Title

The Corporation of The City of Temiskaming Shores

By-law No. 2022-180

Being a by-law to amend By-law No. 2017-154 to rezone 884402 Highway 65 West from the Community Facilities (CF) Zone to the Rural Residential Exception 19 (R1-3) Zone to allow for the conversion of the existing building to a single detached dwelling and to permit a reduced lot area - Roll No. 5418-020-001-100.00

Whereas pursuant to the provisions of Section 34 of the Planning Act, R.S.O. 1990 c.P. 13, as amended, the Council of a Municipality may enact by-laws to authorize the use of land, buildings or structures for any purpose set out therein that is otherwise prohibited; and

Whereas By-law No. 2017-154 regulates the use of land and the use and erection of buildings and structures within the Corporation of the City of Temiskaming Shores; and

Whereas Council considered Administrative Report No. CS-046-2022 at the Regular Council meeting held on December 20, 2022 and directed staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law No. 2017-154 to rezone the property from Community Facilities (CF) to Rural Residential Exception 3 (R1-3); and

Whereas the Council of the Corporation of the City of Temiskaming Shores deems it advisable to amend By-law No. 2017-154 as hereinafter set forth.

Now therefore be it resolved that the Council of the Corporation of the City of Temiskaming Shores enacts as follows:

1. The property affected by this By-law is located at 884402 Highway 65 West (DYMOND CON 3 N PT LOT 3 RP TER311 PART 2 PCL 14963SST).
2. By-law No. 2017-154 is hereby amended as follows:
 - (a) Schedule 'D1' of By-law 2017-154 is hereby amended by rezoning the affected property from "Community Facilities (CF) Zone" to "Rural Residential Exception 3 (R1-3) Zone" in accordance with the provisions of this By-law.
 - (b) By-law No. 2017-154, as amended, is hereby further amended by adding the following information in the 'R1-3' row in Section 6.5.1:

Exception	By-law	Location	Schedule	Special Provisions
R1-3	2022-180	884402 Highway 65 West	D1	<ul style="list-style-type: none">• The following lot requirements apply:<ul style="list-style-type: none">• The minimum lot area for a lot on private services shall be 3,751m²

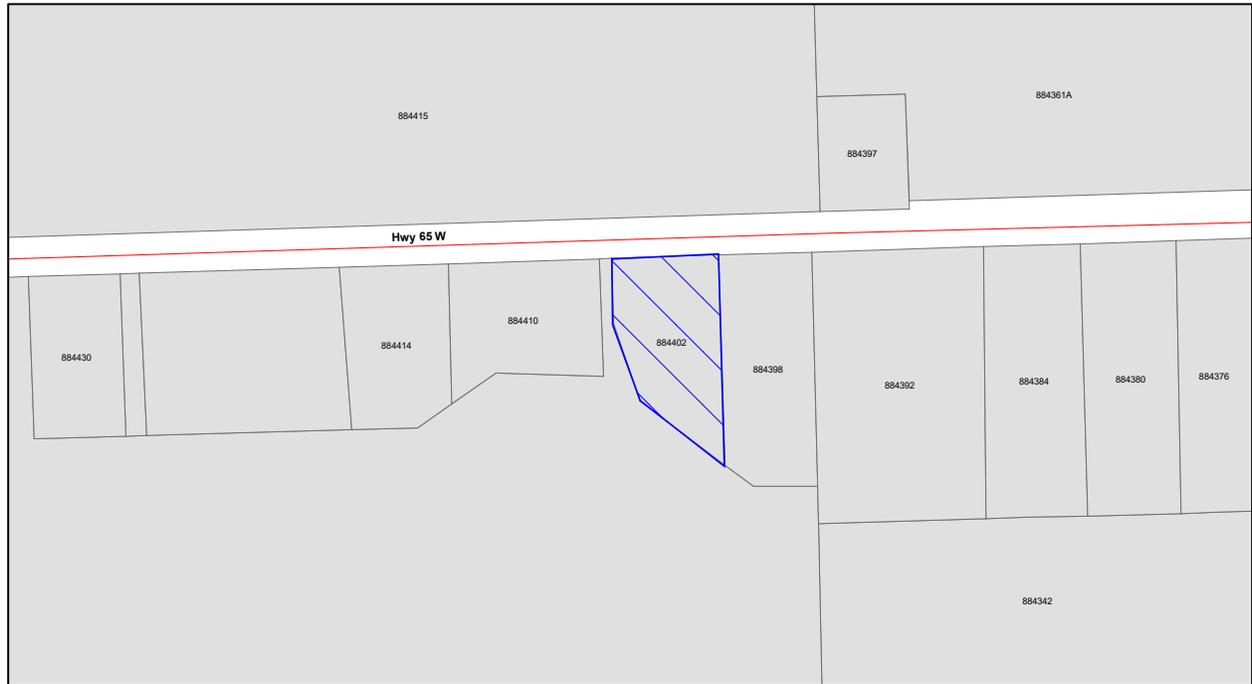
3. This By-law shall come into full force and effect in accordance with Section 34 (19) of the *Planning Act*, R.S.O. 1990.

Read a first, second and third time and finally passed this 20th day of December, 2022.

Mayor

Clerk

Schedule 'A' to By-law 2022-180



Rezoned from Community Facilities (CF) to Rural Residential Exception 3 (R1-3)

The Corporation of the City of Temiskaming Shores

By-law No. 2022-181

**Being a By-law to enter into a Contract Agreement for POA
Court Prosecution Services – Mariusz Przybylowski**

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 the City of Temiskaming Shores provides Provincial Offences Administration (POA); and

Whereas Council considered Administrative Report CS-048-2022 at the December 20, 2022 Regular Council meeting, and directed staff to prepare the necessary by-law to enter into an agreement with Mariusz Przybylowski as a Court Prosecutor for consideration at the December 20, 2022 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores enacts as follows:

1. That the Mayor and Clerk be authorized to enter into an agreement with Mariusz Przybylowski for the provision of Court Prosecutions through the Provincial Offences Administration (POA), a copy of which is attached hereto as Schedule "A" and forming part of this by-law;
2. That this by-law comes into effect on December 20, 2022;
3. 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 20th day of December, 2022.

Mayor

Clerk

This Agreement, made this 20th day of December, 2022.

Between:

The Corporation of the City of Temiskaming Shores
(Hereinafter referred to as the "City")

And:

Mariusz Przybylowski
(Hereinafter referred to as the "Prosecutor")

Whereas the City is administering the Provincial Offences Court in the District of Timiskaming;

And whereas the City requires prosecutorial services to administer the Court;

And whereas the Prosecutor wishes to provide such services;

And whereas by this agreement, the Parties wish to set out their respective rights and obligations concerning the provision of prosecutorial services;

Now therefore, in consideration of the mutual covenants and agreements herein contained, the parties hereto do hereby agree as follows:

1. Prosecution Services

1.1 The City does hereby contract with the Prosecutor for the provision of prosecutorial services at all Provincial Offences court dates scheduled by the City.

1.2 The Services to be provided by the Prosecutor shall be as follows:

1.2.1 Prosecution of cases in the Provincial Offences Court for violations of Provincial Statutes and Regulations thereunder, performing the full range of litigatory and prosecutorial tasks which include evaluating information and reports, questioning witnesses, considering evidence, determining merits of cases and deciding whether or not to prosecute, compelling attendance of accused and witnesses and the production of evidence, arguing the case before a Justice of the Peace, examining and cross-examining witnesses, preparing for and rendering defence arguments and all other tasks necessary to the fair prosecution of the case.

1.2.2 Prosecutes cases in Provincial Offences Court for offenses against municipal by-laws.

1.2.3 Performs litigatory duties in preparation for cases, such as attending to disclosure matters with defence counsel and securing agreement with respect

to production of evidence at trial.

- 1.2.4 Provides consultation to police officers, court administrators, and the public, answering questions as to procedure and giving opinions as to the prosecutorial merit of reported incidents.
- 1.2.5 Provides all of the above services in the English language.
- 1.2.6 Obtains services for a suitable replacement and transfer of files for matters to be prosecuted in the French language.
- 1.2.7 Obtains services for a suitable replacement and transfer of files for court dates which the Prosecutor is unable to attend.
- 1.2.8 Acknowledges that travel to satellite court in Kirkland Lake is required.

2. Payment

2.1 City shall pay the Prosecutor for services rendered as follows:

- 2.1.1 For all time spent in rendering the services indicated above, the sum of \$100.00 per hour.
- 2.1.2 For travel, the sum of \$50.00 per hour.
- 2.1.3 Mileage allowance will be paid at the rate established by Canada Revenue Agency on January 1st of each calendar year.
- 2.1.4 Disbursements as incurred (e.g., photocopies).

2.2 A City telephone with a toll-free number will be provided.

2.3 Single night accommodation at the Prosecutors discretion in the following circumstances: serious inclement weather, serious inclement road/highway condition, highway closure, and unforeseen or emergency transportation failure to a maximum of one (1) occasion annually.

3. Creation and Nature of Relationship

- 3.1 It is acknowledged by the City and by the Prosecutor that this Agreement is an Agreement for services to be rendered to the City as an independent Contractor, and the parties have not created and do not intend to create by this Agreement or any subsequent renewals or extension thereof, a joint venture, partnership or employee relation between them.

- 3.2 The Prosecutor will provide the services to the City of Temiskaming Shores as an independent contractor and not as an employee.

Accordingly:

- The Prosecutor agrees that the City shall have no liability or responsibility for the withholding, collection or payment of any taxes, employment insurance premiums or Canada Pension Plan contributions on any amounts paid by the City to the Contractor or amounts paid by the Contractor to its employees or contractors. The Prosecutor agrees to indemnify the City from any and all claims in respect to the Prosecutor’s failure to withhold and/or remit any taxes, employment insurance premiums or Canada Pension Plan contributions.
- The Prosecutor agrees that as an independent contractor, will not be qualified to participate in or to receive any employee benefits that the City may extend to its employees.
- The Prosecutor is free to provide services to other clients so long as there is no interference with the Prosecutor’s contractual obligations to the City.

4. Workplace Safety Insurance Board

- 4.1 The Prosecutor agrees to submit to the City, a Clearance Certificate from the Workplace Safety and Insurance Board (WSIB) of Ontario every 60 days; or written confirmation from the Workplace Safety Insurance Board that the Contractor and employees are not subject to Workplace Safety Insurance.
- 4.2 Workplace Safety Insurance Act coverage, assessments or reports are the exclusive responsibility of the Prosecutor. If in default under the Act or Regulations, the City may withhold payment in an amount sufficient to cover such default or cancel the contract.

5. Replacements During Absences

- 5.1 The Prosecutor shall advise the City in writing the name of the person who the Prosecutor designates as a replacement who is responsible for services in the absence of the Prosecutor. All orders or instructions given to the Prosecutor or the alternate by the City shall be as binding on the Contractor as though given to him in person.

6. Insurance

- 6.1 The Prosecutor agrees to maintain during the term of this agreement Vehicle

Liability Insurance and Contractor’s Liability Insurance, naming the City as co-insured, in the following amounts:

1. Vehicle Liability Insurance: \$5 million
 2. Contractor’s Liability Insurance: \$ 5 million.
- 6.2 The Prosecutor shall annually, within 7 days of the insurance renewal date, submit to the City a Certificate of Insurance together with an Undertaking from the insurance company that such insurance will not be cancelled or reduced in coverage without thirty (30) days prior written notice to the City.
- 6.3 Should the City be of the opinion that the insurance taken out by the Prosecutor is inadequate in any respect for any reason whatsoever, the Prosecutor shall forthwith take out additional insurance satisfactory to the City.

7. Indemnification and Save Harmless

- 7.1 The Contractor hereby covenants at all times to indemnify and save harmless the City against all claims and demands which may be brought against or made upon the Contractor and against all loss, liabilities, judgments, costs, demand or expenses, including legal costs, which the City may suffer resulting from or incidental to the services contracted subject to this Agreement or from any act or omission to act on the part of the Contractor, its servants, agents, employees, contractors, sub-contractors, owners, operators or any of them during the currency of this Agreement.

8. Notice

- 8.1 All communications in writing between the parties shall be deemed to have been received by the addressee if delivered to the individual or to a member of the firm or to an officer of the Owner for whom they are intended or if sent by hand, Canada Post, courier, facsimile or by another electronic communication where, during or after the transmission of the communication, no indication or notice of a failure or suspension of transmission has been communicated to the sender. For deliveries by courier or by hand, delivery shall be deemed to have been received on the date of delivery; by Canada Post, 5 days after the date on which it was mailed. A communication sent by facsimile or by electronic communication with no indication of failure or suspension of delivery, shall be deemed to have been received at the opening of business on the next day, unless the next day is not a working day for the recipient, in which case it shall be deemed to have been received on the next working day of the recipient at the opening of business.

The Prosecutor:

Mariusz Przybylowski

P.O. Box 22043 RPO Fisher,
North Bay, ON
P1B 9P5

The City:

City of Temiskaming Shores
P.O. Box 2050, 325 Farr Drive
Haileybury, Ontario
P0J 1K0

9. Non-Assignability

- 9.1 Except as otherwise provided in this agreement, the Prosecutor may not assign this agreement without the express written consent of the City, which consent may be unreasonably withheld.

10. Non-Waiver

- 10.1 No covenant or condition of this Agreement can be waived except by written consent of both parties.

11. Binding Effect

- 11.1 This Agreement, including all covenants and conditions, shall extend to, be binding upon and enure to the benefit of each and all the successors and assigns of the respective parties hereto and wherever the singular or masculine is used in the Agreement, it shall be construed as if the plural and the feminine or the neuter, as the case may be, had been used where the context or the party or parties hereto so required and the rest of the sentence shall be construed as if the grammatical and terminological changes thereby rendered necessary had been made.

12. Interpretation

- 12.1 This Agreement shall be interpreted in accordance with the laws of the Province of Ontario.

13. Freedom of Information

- 13.1 The Contractor consents to the release to the public of this Agreement and all associated documents in accordance with the Municipal Freedom of Information and Protection of Privacy Act.

14. Right of Termination

14.1 This agreement may be terminated by either party without cause, provided that not less than 60 days’ notice of such termination is provided in writing to the other party.

Remainder of Page left blank intentionally

In witness whereof the parties have executed this Agreement the day and year first above written.

Signed and Sealed in
the presence of)

Court Prosecutor

Prosecutor - Mariusz Przybylowski

Municipal Seal)

**The Corporation of the City of Temiskaming
Shores**

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-law No. 2022-182

Being a by-law to authorize the Execution of a Cost Sharing Agreement between His Majesty the King in right of the Province of Ontario represented by the Minister of Transportation for the Province of Ontario and the Corporation of the City of Temiskaming Shores for the construction of the right turn taper and left turn lane on Highway 65E to accommodate the Grant Drive Extension

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 the Ministry has agreed to undertake the design and construction of a new intersection on King's Highway 65, which highway is under the jurisdiction and control of the Ministry, at the extension of Grant Drive to the highway, which road is under the jurisdiction and control of the Municipality, within the vicinity of the Municipality (the "Project"); and

Whereas the Ministry of Transportation and the City of Temiskaming Shores deemed it necessary to enter into a cost sharing agreement that includes covering 100% of the design costs, 100% of the contract administration costs and 50% of the construction costs for the work required within their right-of-way with an estimated construction date of 2023; and

Whereas the City of Temiskaming Shores would be responsible for 100% of the design and construction cost of the Grant Drive Extension within municipally owned lands; and

Whereas Council for the City of Temiskaming Shores held a Special meeting on November 1, 2019, and passed Resolution No. 2019-564 which approves entering into a cost sharing agreement with the Ministry of Transportation as outlined above; and

Whereas Council considered Administrative Report PW-031-2022 at the December 20, 2022 Regular meeting, and directed staff to prepare the necessary by-law to authorize the Execution of a Cost Sharing Agreement between His Majesty the King in right of the Province of Ontario represented by the Minister of Transportation for the Province of Ontario and the Corporation of the City of Temiskaming Shores for the construction of the

right turn taper and left turn lane on Highway 65E to accommodate the Grant Drive Extension with an upset limit of \$266,250.00 plus applicable taxes for consideration at the December 20, 2022 Regular Council meeting; and

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 execute a cost sharing agreement between His Majesty the King in right of the Province of Ontario represented by the Minister of Transportation for the Province of Ontario and the Corporation of the City of Temiskaming Shores, a copy of which is attached hereto as Schedule "A" and forms part of this by-law; and
2. 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.

Read a first, second and third time and finally passed this 20th day of December 2022.

Mayor

Clerk



Schedule "A" to

By-law No. 2022-182

Cost Sharing Agreement between:

**His Majesty the King in right of the Province of
Ontario represented by the Minister of
Transportation for the Province of Ontario**

and

The Corporation of the City of Temiskaming Shores

**For the construction of the right turn taper and left turn lane on
Highway 65E to accommodate the Grant Drive Extension**

THIS AGREEMENT made this _____ day of _____, 202__.

B E T W E E N:

**HIS MAJESTY THE KING in right of the Province of Ontario,
represented by the Minister of Transportation for the Province of Ontario**
(hereinafter referred to as the "Ministry")

- and -

The Corporation of the City of Temiskaming Shores,
(hereinafter referred to as the "Municipality")

WHEREAS:

- A. The Ministry has agreed to undertake the design and construction of a new intersection on King's Highway 65, which highway is under the jurisdiction and control of the Ministry, at the extension of Grant Drive to the highway, which road is under the jurisdiction and control of the Municipality, within the vicinity of the Municipality (the "Project");
- B. The design and preparation of plans for the Project will be solely performed by the Ministry;
- C. The tender and construction of the Project will be solely carried out by the Ministry;
- D. The Ministry anticipates construction of the Project to be completed in 2023, subject to the Ministry receiving its necessary approvals and the actual work schedule provided by the Ministry's contractor and further subject to the construction schedule of the Municipality's extension of Grant Drive; and
- E. The Ministry and the Municipality have agreed to the Project and to share the costs of the Project upon the terms and conditions as set out herein.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the premises and the covenants contained herein the Parties hereto for themselves and their respective successors and permitted assigns mutually agree as follows:

DEFINITIONS:

1. In addition to those words and terms elsewhere defined in this Agreement, in this Agreement,

Project means the design and construction of a new intersection on King's Highway 65. This new intersection will be the entrance to the proposed extension of Grant Drive and is more particularly described to include the construction of a new left turn slip around and new right turn taper, as shown in the Plan attached as **Schedule "A"** of this Agreement;

DESIGN:

2. The Ministry will undertake the design of the **Project**, at the cost of the Ministry, in consultation with the Municipality and in accordance with Ministry design standards.
3. The Ministry design will include a tie in for the design of the Grant Drive extension to merge both work projects.
4. The Ministry will be responsible for obtaining any and all *Environmental Assessment Act* approval for the **Project**.

TENDERING:

5. The Ministry will tender the Project in accordance with the Ministry's current practices and procedures for tendering.
6. If the unit bid prices or total bid price tendered for the Project is excessive, as determined by the Ministry, in its sole discretion, the Ministry has the right to cancel the award. In the event the Ministry cancels the award for the Project, this Agreement shall continue with the expectation that the Ministry in its sole discretion shall re-tender the Project in accordance with this Agreement.

CONSTRUCTION:

7. The Ministry will undertake the construction of the Project, which shall be carried out in accordance with all applicable standards and specifications of the Ministry.
8. The Ministry shall provide the Municipality with at least thirty (30) days written notice before construction of the Project is commenced.
9. The Municipality shall allow the Ministry to enter upon the Municipality's lands and right-of-way, as may be necessary to construct the Project until the completion of the Project, including any warranty and maintenance periods that may be required and set out in the construction contract for the Project.
10. The Ministry will be responsible for the construction administration associated with the Project, and other duties normally associated with the supervision and administration of the construction of a work project of this type. It is understood and agreed by the Municipality that the Ministry may retain a consulting engineering firm for

the actual or day-to-day construction administration.

11. The Ministry will be responsible for the resolution of any and all construction liens or disputes in respect of the Project.

12. The Ministry shall assume full responsibility and liability for all future maintenance and repairs on Ministry's lands and right-of-way,

13. The Municipality shall assume full responsibility and liability for all future maintenance and repairs on Municipality's lands and right-of-way,

PAYMENT:

14. The Municipality shall pay the Ministry for fifty percent of the costs of the construction of the Project, in accordance with this Agreement.

15. For purposes of budgeting, the Municipality's costs are estimated to be \$232,500.00, plus applicable surcharges and the Harmonized Sales Tax ("HST"), as more particularly described in Schedule "B" attached to this Agreement.

16. The Municipality acknowledges and agrees that the said sum is an estimate only and that payment shall be made by the Municipality to the Ministry for fifty percent of the costs associated with the construction of the Project, incurred by the Ministry for the Project, and any applicable surcharges and HST.

17. The Ministry agrees that the amount to be paid by the Municipality shall not exceed a maximum amount of \$266,250.00 excluding any applicable Harmonized Sales Tax ("HST").

18. The Parties acknowledge and agree that the total estimated costs of the Project is \$465,000.00 excluding any applicable HST, as shown in Schedule "B" of this Agreement.

19. In addition, the liability of the Municipality to pay the Ministry for the costs for the construction of the Project, includes the following:

a. to pay one hundred percent (100%) of all increased costs incurred by the Ministry to complete any additional work beyond the scope of the Project, which is requested by the Municipality and not included in the estimated cost provided to the Municipality;

b. to pay one hundred percent (100%) of all increased costs incurred by the

Ministry to comply with any request of the Municipality to change the Project,

c. to pay one hundred percent (100%) of all increased costs incurred by the Ministry attributed to any delays attributed solely to the Municipality with respect to the Project.

20. Upon completion of the Project, the Ministry shall invoice the Municipality for its share of the costs of the Project as described in this Agreement. The Municipality shall pay the Ministry the amount of the invoice within 30 days from the receipt of the invoice.

21. The Municipality shall not acquire any title, right, easement, licence, or any other interest in the lands of the Ministry, as a result of its payment to the Ministry of any amounts paid or owing pursuant to this Agreement.

GENERAL PROVISIONS:

22. Notices under this Agreement shall be in writing and sent by personal delivery, electronic mail, registered mail, or delivered by courier service. Notices by registered mail shall be deemed to have been received on the fourth business day after the date of mailing. Notices by personal delivery or electronic mail shall be deemed to have been received at the time of the delivery or transmission, unless delivered or transmitted on a weekend or holiday, in which case such notice shall be deemed to have been received on the next business day. In the event of an interruption in postal service, notice shall be given by personal delivery or electronic mail. The address and contact person of the parties under this Agreement, unless otherwise noted is:

The Ministry:	Andrée Beaupré Project Manager Ministry of Transportation Northeastern Region Project Delivery Section 447 McKeown Avenue North Bay, Ontario P1B 9S9 Email: Andree.Beaupre@ontario.ca Telephone: 705-497-5203
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The Municipality:	Amy Vickery City Manager Corporation of the City of Temiskaming Shores 325 Farr Drive, PO Box 2050 Haileybury, Ontario P0J 1K0 Email: avickery@temiskamingshores.ca Telephone: 705-672-3363 ext) 4120
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23. The Municipality warrants that it has taken all necessary steps, done all acts, passed any necessary by-laws and obtained all approvals within its power legally

required to give it the authority to enter into this Agreement.

24. The rights, duties and powers of the Minister under this Agreement may be exercised by the Director of Design and Engineering.

25. Any changes, alterations or amendments to this Agreement shall be made in writing signed by the Municipality’s authorized signing officers and by the Ministry’s Director of Design and Engineering.

26. This Agreement shall be governed by the laws of the Province of Ontario and any applicable federal laws of Canada.

THIS AGREEMENT shall enure to the benefit of and be binding upon the Parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF contained in this Agreement.

SIGNED this _____ day of _____, 202____.

**HIS MAJESTY THE KING in right of the
Province of Ontario, represented by the
Minister of Transportation for the Province
of Ontario**

MINISTER OF TRANSPORTATION (ONTARIO)

SIGNED AND SEALED this _____ day of _____, 202____.

THE CORPORATION OF THE CITY OF TEMISKAMING SHORES

Jeff Laferrière
Mayor

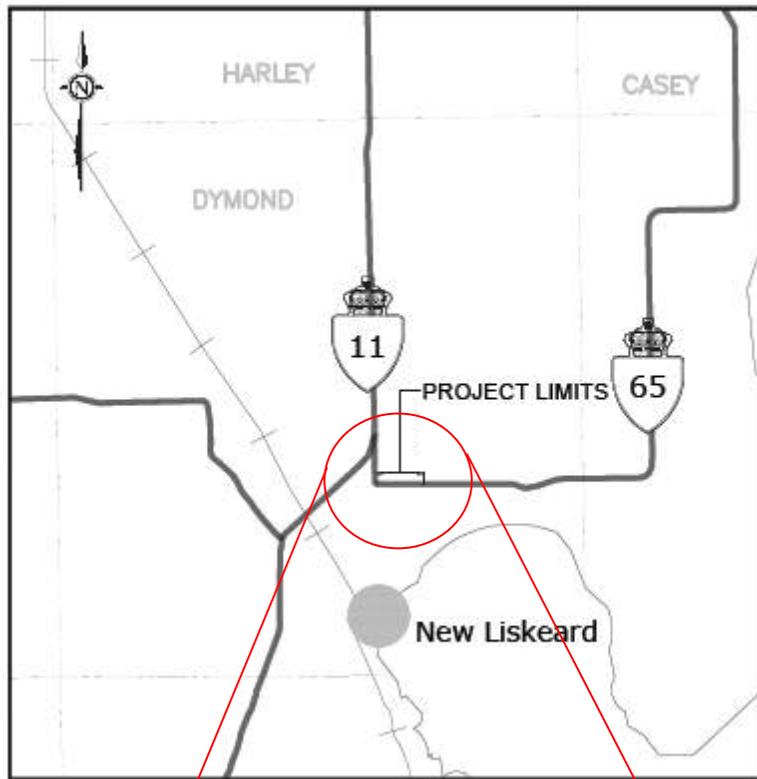
Kelly Conlin
Clerk

I/WE have authority to bind the Municipality

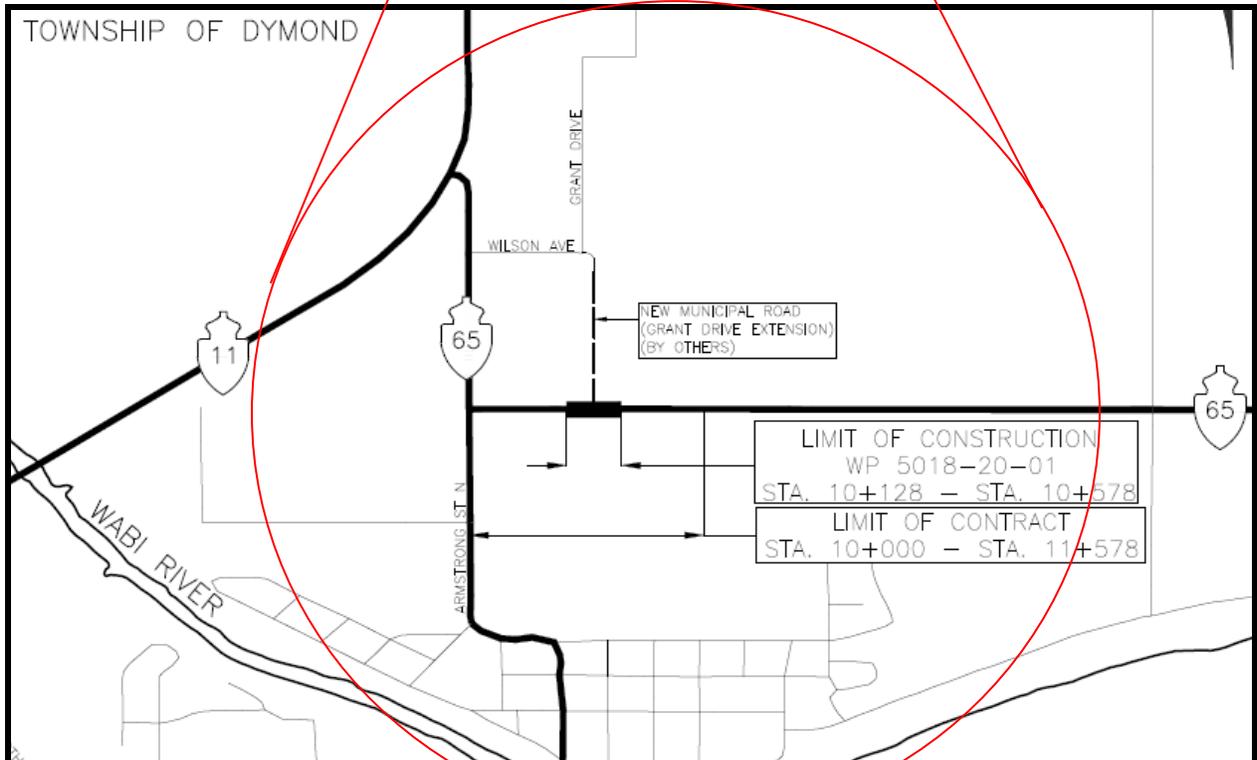
SCHEDULE A

To an Agreement between
The Corporation of The City of Temiskaming Shores
and
The Ministry of Transportation

PLAN



N.T.S.



N.T.S.

SCHEDULE B

To an Agreement between
The Corporation of The City of Temiskaming Shores
and
The Ministry of Transportation

Estimated Cost Payment**50% of the Estimated Cost to be Paid by The Municipality**

Construction (Estimated)	<u>\$ 465,000.00</u>
Estimated Total:	<u>\$ 465,000.00</u>
Estimated Municipality Cost of the Project	
Municipality cost of 50% of Construction	\$ 232,500.00
<u>Total Estimated Municipality Cost</u>	<u>\$ 232,500.00</u>
<u>Total Estimated Municipality Costs to be Paid =</u>	<u>\$ 232,500.00</u>

Maximum Municipality Cost is capped at \$266,250.00

The Corporation of the City of Temiskaming Shores

By-law No. 2022-183

Being a by-law to amend By-law No. 2019-016, as amended 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 and

Whereas Council considered Administrative Report No. PW-032-2022 at the December 20, 2022, Regular Council meeting, and directed staff to prepare the necessary by-law to amend By-Law No. 2019-016, as amended being the agreement with Pedersen Construction (2013) Inc., to permit a one (1) year extension for the Equipment Rental Excavator c/w Operator for Water/Sewer Breaks and repairs at the following rental rates, plus applicable taxes for consideration at the December 20, 2022 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, as amended be further 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, 2023.**

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	\$160.00/ hour	\$200.00/ hour
Breaker Attachment	\$260.00/ hour	\$300.00/ hour
Excavation Time	\$160.00/ hour	\$200.00/ hour

3. That Appendix 01 of Schedule "A" to By-law No. 2019-016 as amended, be hereby amended by the 2023 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 20th day of December, 2022.

Mayor

Clerk



Schedule “A” to

By-law 2022-183

Being a by-law to amend By-law No. 2019-016, as amended 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

October 21, 2022

City of Temiskaming Shores
PWO-RFQ-007-2020
 Equipment Rental – Excavator

Form of Quotation

Pedersen Construction (2013) Inc.

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 or Kenworth	Hour	\$160.00/hr	\$200.00/hr
2	Work Time including breaker attachment	CAT 320D 21,000 kg	Hour	\$260.00/hr	\$300.00/hr
3	Excavation Time	CAT 320D 21,000 kg	Hour	\$160.00/hr	\$200.00/hr

Pricing shall exclude applicable taxes but will be considered extra.

* From January 1, 2023 to December 31, 2023.



Karl Pedersen
 President

This is page 1 of 7 to be submitted

The Corporation of the City of Temiskaming Shores

By-law No. 2022-184

**Being a by-law authorizing the execution of the Next Generation
9-1-1 Authority Service Agreement with Bell Canada**

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, 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 considered Administrative Report No. CS-034-2022 at the August 9, 2022 Regular Council meeting, and directed staff to prepare the necessary by-law to authorize the Next Generation 9-1-1 Authority Service Agreement with Bell Canada, for consideration at a future Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores enacts the following as a by-law:

1. That Council authorizes the entering into an agreement with Bell Canada to authorize execution of the Next Generation 9-1-1 Authority Service Agreement, 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 20th day of December, 2022

Mayor

Clerk



Schedule “A” to

By-law 2022-184

Agreement between

The Corporation of the City of Temiskaming Shores

and

Bell Canada

Next Generation 9-1-1 Authority Service Agreement

(Confidential – contact Municipal Clerk)

The Corporation of the City of Temiskaming Shores

By-law No. 2022-186

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 December 20, 2022

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 **December 20, 2022** 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 20th day of December, 2022.

Mayor

Clerk