

**THE CORPORATION OF THE TOWNSHIP OF
BLACK RIVER-MATHESON**



**REQUEST FOR PROPOSALS
RFP NUMBER PW2026-001**

Project: Bridge #15 – Structural Repairs

Sealed Proposals, clearly marked:
“Sealed Proposal – Bridge #15 – Structural Repairs – Do Not Open”

| | |
|-------------------|---|
| Issue Date: | January 26th, 2026 |
| Closing Date: | 2:00PM on February 23rd, 2026 |
| Proposal Opening: | 2:15PM on February 23rd, 2026 |

Lowest or any Proposal not necessarily accepted.

The Corporation of the Township of Black River-Matheson
P.O. Box 601, 421 Fifth Ave.
Matheson, ON P0K 1N0
Email: jlefevre@twpbrm.ca
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1. Introduction

1.1 Purpose

The Township of Black River-Matheson (“Township”) invites Proposals from qualified and experienced contractors to complete targeted structural repairs to Bridge #15 (Red Deer Road East) in accordance with Option 3 of the Bridge #15 Repair Options Report prepared by EXP Services Inc. (January 16, 2026).

The intent of this RFP is to re-open Bridge #15 and extend its service life on a short-term basis (approximately five years). This work is not a full rehabilitation or replacement.

Submission of a Proposal signifies acceptance of all terms, conditions, and instructions contained herein.

1.2 Background

Bridge #15 is a single-lane, three-span Bailey bridge located on Red Deer Road East. Following a 2025 OSIM inspection and engineering review, the bridge was closed due to significant structural deterioration.

The Township’s consulting engineer identified three options for addressing the bridge. **Option 3**, involving targeted replacement and repair of deficient structural elements, is the only operationally viable short-term solution.

1.3 Freedom of Information and Privacy

The Township is governed by the Municipal Freedom of Information and Protection of Privacy Act (MFIPPA). Proponents must ensure compliance with all applicable privacy laws. Confidential or proprietary information should be clearly marked; confidentiality cannot be guaranteed if access is requested under MFIPPA.

1.4 Terms and Conditions

Submission of a Proposal constitutes agreement to all terms and conditions contained in this RFP or any addenda issued. The Township reserves the right to amend, cancel, reject any or all Proposals, or accept the Proposal deemed most advantageous to the Township, whether or not it is the lowest-priced.

1.5 Conditions of Participation

In addition to proposals being evaluated in accordance with Section 3 of this RFP, Proponents are required to conduct their own site visit to familiarize themselves with

site conditions, access constraints, and the general nature of the work prior to submitting a Proposal.

Bridge #15 is located on a public roadway and may be viewed without coordination with the Township.

By submitting a Proposal, the Proponent confirms that it has:

- Attended the site;
- Reviewed visible site conditions; and
- Considered these conditions in preparing its Proposal.

Failure to conduct a site visit shall not be grounds for additional compensation or claims arising from site conditions that could reasonably have been observed.

The Township will not conduct a formal site meeting and will not be present during Proponent site visits.

1.6 Contract Formation

Acceptance of a Proposal does not create a binding contract. A binding agreement will only be formed upon execution of a written contract following Council approval.

1.7 Proposal Amendments and Withdrawals

Proposals may be amended or withdrawn prior to the submission deadline by written request. After the closing date, Proposals are irrevocable unless withdrawn by mutual written agreement with the Township.

1.8 Proponents' Expenses

All costs incurred in the preparation, submission, or presentation of a Proposal are the sole responsibility of the Proponent.

1.9 Currency and Taxes

All pricing must be quoted in Canadian dollars, excluding HST. Taxes shall be shown separately on the submission form.

1.10 Subcontracting

Subcontracting is not permitted unless explicitly approved by the Township. All subcontractors must be clearly identified and will be held to the same standards as the primary contractor.

1.11 Conflict of Interest

Proponents must declare any actual or potential conflicts of interest. The Township reserves the right to reject any Proposal where a conflict is identified.

1.12 Proposal Acceptance and Contract Award

Acceptance of a Proposal does not create a binding agreement. A binding contract will only be formed upon execution of a formal agreement, subject to Council approval.

The Township reserves the right to:

- Reject any or all Proposals
- Accept a portion of any Proposal
- Negotiate with one or more proponents
- Cancel the RFP at any time

1.13 Execution of Contract

The selected Proponent must execute a formal agreement within ten (10) business days of receiving confirmation of their selection as successful bidder. No work may commence until the agreement is fully executed and all required documentation is submitted.

1.14 Failure to Perform

If, in the Township's opinion, the Proponent fails to commence work, deliver services as required, or meet professional standards, the Township may terminate the contract upon written notice without penalty.

1.15 Labour, Materials, and Equipment

The Proponent shall provide all materials, equipment, and labour necessary to perform the services described in this RFP. Adequate staffing and supervision in accordance with the standards and regulations of Ontario must be maintained at all times.

1.16 Personnel Requirements

All personnel must comply with applicable employment, health and safety, and accessibility legislation. All workers must have appropriate training and certifications. The Contractor must provide proof of compliance upon request by the Township.

1.17 Fraud, Bribery, or Misconduct

Any attempt to offer bribes, gifts, or inducements to Township officials or staff, or to engage in fraudulent practices, will result in disqualification and, if awarded, immediate contract termination.

1.18 Compliance with Laws

The Proponent must comply with all applicable federal, provincial, and local laws, including but not limited to:

- Municipal Freedom of Information and Protection of Privacy Act (MFIPPA)
- Accessibility for Ontarians with Disabilities Act (AODA)
- Occupational Health and Safety Act
- Workplace Safety and Insurance Act
- Township Procurement Policies

Documentation to demonstrate compliance may be requested at any time.

1.19 Accessibility

The Proponent must comply with AODA requirements. Upon request, documentation describing training, policies, and procedures must be provided.

1.20 Indemnification, Insurance and WSIB

The successful Proponent must provide and maintain:

- \$2,000,000 Commercial General Liability (including products, operations, cross liability, and non-owned automobile)
- \$2,000,000 Automobile Liability
- WSIB Clearance Certificate
- Township named as an additional insured

Proof of insurance must be submitted before contract execution and maintained throughout the term.

1.21 Confidentiality and Use of Information

All information acquired during the RFP process must be treated as confidential and may not be disclosed without written authorization from the Township.

1.22 Addenda and Modifications

The Township may issue addenda to clarify or modify the RFP. It is the responsibility of each Proponent to ensure receipt and acknowledgment of all addenda.

1.23 Disclaimer

While every effort has been made to ensure accuracy, the Township makes no warranty as to the completeness or reliability of information contained in this RFP. Proponents are responsible for their own investigations and due diligence.

2. Nature of Services Requested

2.1 General Description of Work

The Township of Black River-Matheson is seeking Proposals from qualified contractors to complete targeted structural repairs to Bridge #15 (Red Deer Road East).

The work shall be carried out in accordance with Option 3 of the Bridge #15 Repair Options Report prepared by EXP Services Inc., dated January 16, 2026, and under the direction of the Township's consulting engineer.

The Proponent shall furnish all labour, materials, equipment, supervision, traffic control, temporary works, and incidentals necessary to safely and successfully complete the work.

2.2 Intent and Limitations of the Work

The intent of this project is to:

- Re-open Bridge #15 to vehicular traffic;
- Address identified critical structural deficiencies; and
- Extend the service life of the bridge on a short-term basis, estimated at approximately five (5) years.

Proponents shall acknowledge that:

- This work constitutes a temporary, risk-managed repair;
- It is not a full rehabilitation or replacement;
- No increase in posted load limits is anticipated; and
- Long-term replacement or removal of the bridge will still be required.

2.3 Summary of Anticipated Scope

The anticipated scope of work includes, but is not limited to, the following elements:

- Replacement of four (4) sets of severely corroded steel stringers and diaphragms;
- Repair of identified broken or deficient welds;
- Replacement of approximately 50 percent (50%) of the timber wearing surface boards;
- Removal and disposal of deteriorated materials;
- Installation of replacement materials meeting engineering specifications;
- Temporary works required to access and support the structure during repairs;
- Coordination with the Township's consulting engineer for inspections and approvals; and
- Final inspection and sign-off prior to re-opening the bridge.

The Township reserves the right to refine quantities and locations of repairs based on field conditions and engineering direction.

2.4 Oversight and Direction

All work shall be completed under the oversight of the Township's Director of Public Works and their consulting engineer.

The Proponent shall:

- Cooperate fully with inspections;
- Provide reasonable access to the work for inspection purposes; and
- Comply with all written directions issued by the Director of Public Works.

No deviation from the approved scope, materials, or methods shall occur without prior written authorization from the Director of Public Works or its consulting engineer.

2.5 Provisional and Additional Work

Due to the age and condition of the structure, additional deficiencies may be identified once portions of the bridge are exposed.

The Township may request provisional pricing or unit rates for potential additional repairs.

Any additional work:

- Must be approved in writing in advance;
- Shall be priced in accordance with the Proponent's submitted rates; and
- Does not obligate the Township to proceed with such work.

2.6 Traffic Control and Public Safety

The Proponent is responsible for supplying, installing, maintaining, and removing all traffic control devices required for the safe execution of the work.

Traffic control shall comply with:

- Ontario Traffic Manual Book 7; and
- Any additional requirements imposed by the Township or consulting engineer.

The Proponent shall ensure the safety of workers, the public, and adjacent property at all times.

2.7 Environmental Protection

The Proponent shall take all reasonable measures to:

- Prevent debris, contaminants, or materials from entering the watercourse;
- Control sediment and erosion;
- Protect surrounding lands and infrastructure; and
- Comply with all applicable environmental legislation and best practices.

Any environmental incident shall be reported to the Township immediately

2.8 Schedule and Timing

Proponents shall include in their Proposal:

- A proposed start date;
- Estimated duration of the work; and
- Confirmation that the work can be completed by **May 29th, 2026**.

The Township reserves the right to adjust the schedule to accommodate operational or environmental constraints.

2.9 Worksite Management

The Proponent shall:

- Maintain the site in a safe and orderly condition;
- Coordinate activities to minimize disruption;
- Ensure all personnel are properly trained and certified; and
- Designate a site supervisor responsible for day-to-day coordination.

2.10 Exclusions

Unless expressly stated, the following are excluded from the scope of this RFP:

- Full structural rehabilitation;
- Bridge widening or load rating upgrades;
- Painting or coating of all steel members beyond identified repair areas;
- Abutment or foundation reconstruction; and
- Long-term corrosion protection measures.

2.11 Service Delivery Expectations

Work shall be performed during daylight hours unless otherwise approved by the Township. Emergency responsiveness is not expected for this contract, but efficiency, consistent progress, and adherence to the Township's schedule expectations are required.

2.12 Qualifications of Personnel

Provide résumés or profiles for all key personnel, including heavy equipment operators and site supervisors. Include any relevant certifications (e.g., traffic control, heavy equipment operation, WHMIS).

Only trained and qualified personnel may be assigned to Township projects.

2.13 Reporting Requirements

Proponents must agree to:

- Provide regular updates to the Township regarding project status.
- Report any incidents, environmental issues, or deviations from the agreed work plan immediately.
- Participate in periodic site meetings upon request.

Daily work logs may be requested during active phases of the project.

3. Evaluation/Selection Process

3.1 Procurement Process Overview

Proposals received in response to this RFP will be reviewed and evaluated by Township staff in accordance with the Township's Procurement Policy and applicable legislation.

This RFP is intended to identify the Proponent that offers the **best overall value** to the Township, taking into account relevant experience, demonstrated execution capability, compliance with requirements, and price.

Issuance of this RFP does not commit the Township to award a contract, and the Township is not obligated to accept the lowest-priced Proposal

3.2 Mandatory Requirements (Pass / Fail)

Proposals must meet **all** of the following mandatory requirements to be considered further. Failure to meet any mandatory requirement may result in rejection without further evaluation.

Proponents must demonstrate:

- Experience with bridge repair, structural steel work, or similar engineered infrastructure projects;
- Completion of at least three (3) comparable projects within the last five (5) years;

- Ability to perform work under the direction and oversight of a consulting engineer;
- Valid WSIB Clearance Certificate;
- Insurance coverage meeting the Township’s requirements; and
- Agreement to all terms and conditions of this RFP.

3.3 Evaluation Criteria and Weighting

Proposals will be evaluated using a point-based system. The Township shall assign a weighted score out of 100 based on the following categories:

| CRITERIA | MAXIMUM POINTS |
|--|-----------------------|
| Qualifications and Relevant Experience | 35 |
| Execution Capability and Compliance | 20 |
| Price | 30 |
| References | 15 |
| Total Evaluation Score: | 100 |

3.4 Relevant Experience and Qualifications (35 Points)

Evaluation will consider the Proponent’s demonstrated experience and qualifications, including:

- Experience completing bridge repairs or structural steel replacement projects;
- Experience working on projects subject to engineering oversight;
- Qualifications and experience of key personnel proposed for the work; and
- Familiarity with municipal or public-sector infrastructure projects.

3.5 Execution Capability and Compliance (20 Points)

Evaluation under this criterion will consider the Proponent’s demonstrated ability to carry out the required work strictly in accordance with engineering drawings, specifications, and written direction.

Assessment may include:

- Evidence of successfully executing engineered repair work without deviation;
- Ability to work safely within constrained sites and elevated-risk environments;
- Demonstrated compliance with traffic control, safety, and environmental requirements; and
- Confirmation that the Proponent understands that means, methods, materials, and sequencing are governed by the Township’s consulting engineer, and not by contractor discretion.

No evaluation will be based on alternative methodologies, proposed deviations, or innovative approaches.

3.6 Price (30 Points)

Pricing will be evaluated based on:

- A lump-sum price for the base scope of work;
- Clarity and completeness of pricing submissions; and
- Overall value relative to the defined scope and associated risk.

The Township reserves the right to request clarification of pricing where necessary.

3.7 References (15 Points)

Proponents shall provide a minimum of three (3) references for comparable projects completed within the last five (5) years.

References may be evaluated based on:

- Quality of workmanship;
- Compliance with specifications and engineering direction;
- Adherence to schedules and budgets;
- Safety performance; and
- Overall client satisfaction.

The Township reserves the right to consider its own experience with the Proponent, where applicable.

3.8 Clarifications

The Township may request written clarification of Proposal content for the purpose of confirming compliance or understanding submitted information.

Clarifications shall not be construed as negotiations and shall not permit changes to pricing or scope.

3.9 Negotiations

The Township may, at its sole discretion:

- Enter into negotiations with the highest-ranked Proponent;
- Discontinue negotiations and proceed to the next-ranked Proponent; or
- Cancel the RFP without award.

3.10 Recommendation and Council Approval

Following evaluation, staff will prepare a recommendation report for Council consideration.

No contract shall be awarded without formal Council approval.

3.11 Reservation of Rights

The Township reserves the right to:

- Reject any or all Proposals;
- Waive minor irregularities where it is in the Township's best interest;
- Verify references and Proposal information;
- Disqualify Proponents providing misleading or inaccurate information; and
- Cancel this RFP at any stage without award.

4. Proposal Format

4.1 General Submission Requirements

Proposals shall be clear, concise, and focused on demonstrating the Proponent's experience, qualifications, execution capability, and compliance with the requirements of this RFP.

Proponents are advised that this is an engineered repair project with a defined scope. Proposals that introduce alternative approaches, methodologies, or deviations from the engineering requirements may be considered non-compliant.

4.2 Proposal Content

Each Proposal shall include the following information, in the order listed:

(a) Cover Letter

A signed cover letter identifying:

- The Proponent's legal name and address;
- The authorized signing officer; and
- Confirmation that the Proposal remains valid for a minimum of **ninety (90) days** from the closing date.

(b) Company Experience and Qualifications

Information demonstrating the Proponent's suitability to carry out the work, including:

- A brief company profile;
- Description of relevant experience with bridge repair, structural steel work, or similar engineered projects;
- Identification of key personnel who will be assigned to the project; and
- Confirmation of the Proponent's ability to work under engineering oversight.

(c) Comparable Project Experience

Details of at least **three (3) comparable projects** completed within the last **five (5) years**, including:

- Project description;
- Owner/client name;
- Approximate contract value; and
- Contact information for reference purposes.

(d) Execution Acknowledgement

A written acknowledgement confirming that the Proponent:

- Understands the scope of work is governed by **engineering drawings, specifications, and written direction**;
- Will not deviate from the approved scope without prior written authorization;
- Acknowledges the **temporary nature** of the repairs; and
- Accepts that no increase in load rating or long-term rehabilitation is implied by this work.

(e) Schedule Information

A brief statement identifying:

- Proposed availability to commence work; and
- Confirmation that the Proponent can complete the work within the **2026 construction season**, subject to weather and site conditions.

(f) Pricing Submission

Pricing shall be provided in accordance with Section 4.4 of this RFP.

(g) References

Three (3) project references as required under Section 3.

(h) Insurance and WSIB

Evidence of ability to provide:

- WSIB Clearance Certificate; and
- Insurance meeting the Township's minimum requirements.

4.3 Proposal Format

Proposals shall be submitted in the following format:

- One (1) original signed Proposal;
- Electronic PDF OR two (2) additional copies; **and**
- Clearly marked with the RFP title and number.

Late Proposals will not be accepted.

4.4 Pricing Requirements

Pricing shall be submitted as follows:

(a) Base Scope

- One **lump-sum price** for completion of the base scope of work as defined by the engineering documents.

(b) Provisional Pricing (if applicable)

- Clearly identified unit rates or provisional prices for potential additional work that may be identified during construction.

Provisional pricing does not obligate the Township to proceed with additional work.

4.5 Pricing Clarifications

The Township reserves the right to request clarification of submitted pricing to confirm understanding, completeness, or arithmetic accuracy.

Clarifications shall not permit changes to the base price or scope unless expressly authorized by the Township.

4.6 Submission Deadline and Location

Proposals must be received no later than:

2:00 p.m. local time on February 23rd, 2026

Delivered to:

The Corporation of the Township of Black River-Matheson
421 Fifth Avenue
Matheson, Ontario

Proposals received after the closing date/time will not be considered.

4.7 Withdrawal or Modification of Proposals

A Proposal may be withdrawn or modified only by written notice received prior to the closing time.

No Proposals may be withdrawn or modified after the closing time.

4.8 Acceptance of Proposal

Submission of a Proposal does not constitute acceptance by the Township.

A Proposal shall only be deemed accepted upon:

- Council approval; and
- Execution of a written contract.

5. References

5.1 Reference Requirements

Proponents shall provide a minimum of **three (3) references** for projects completed within the last **five (5) years** that are comparable in scope and complexity to the work described in this RFP.

Comparable projects include, but are not limited to:

- Bridge repair or rehabilitation work;
- Structural steel replacement or repair; or
- Other engineered infrastructure projects completed under professional engineering oversight.

5.2 Reference Information

Each reference submission shall include the following information:

- Project name and brief description;
- Location of the project;
- Owner or client organization;
- Contract value (approximate);
- Year(s) completed; and
- Name, title, telephone number, and email address of a contact person.

5.3 Evaluation of References

References may be contacted and evaluated based on factors including, but not limited to:

- Quality of workmanship;
- Compliance with drawings, specifications, and engineering direction;
- Ability to work cooperatively with owners and consulting engineers;
- Adherence to approved schedules and budgets;
- Safety performance; and
- Overall reliability and professionalism.

The Township reserves the right to consider its own past experience with a Proponent, where applicable.

5.4 Verification

The Township may verify reference information provided by the Proponent. Failure to provide accurate or verifiable reference information may result in disqualification or reduced scoring.



TOWNSHIP OF BLACK RIVER-MATHESON
REQUEST FOR PROPOSAL (RFP) – BRIDGE #15 STRUCTURAL
REPAIRS (OPTION 3)
RFP PW2026-001

SUBMISSION FORM

Contractor/Firm: _____
Address: _____
Telephone: _____ Email: _____
Contact Person: _____ Position: _____

Proposal Validity

The undersigned confirms that this Proposal shall remain valid and open for acceptance for a period of **ninety (90) days** from the closing date of the RFP.

Confirmed

Acknowledgements

By submitting this Proposal, the Proponent confirms and acknowledges that:

- The Proponent has reviewed and understands the RFP in its entirety.
- The work will be completed strictly in accordance with engineering drawings, specifications, and written direction.
- No deviations from the approved scope will occur without prior written authorization.
- The work constitutes a temporary structural repair intended to extend service life only.
- No increase in load rating or long-term rehabilitation is implied.
- No contract will be formed without Council approval and execution of a written agreement.

Lump-Sum Price

Base Scope – Lump Sum Price (excluding HST):

\$ _____

Provisional Pricing (if requested)

Provisional pricing or unit rates are provided as follows (if applicable):

(Addition of provisional pricing does not obligate the Township to proceed with it.)

WSIB and Insurance

The Proponent confirms that it can provide:

- WSIB Clearance Certificate
- Required insurance coverage as specified in the RFP

Execution Commitment

The Proponent confirms that it has the personnel, experience, and capacity to perform the work within the 2026 construction season, subject to weather and site conditions.

- Confirmed

Signature

I/We certify that all information provided is accurate and that the Proposal is submitted in good faith.

Authorized Signature: _____
(I have authority to bind the corporation)

Name: _____ (Please Print)

Date: _____

Witness: _____

Name: _____ (Please Print)

Date: _____

ATTACHMENT: BRIDGE REPORT



885 Regent Street
Sudbury, ON, P3E 5M4 Canada
T: 705.674.9681 • www.exp.com

January 16, 2026

Mr. Gilles Giguere
CAO/Director of Public Services
Township Black River-Matheson,
421 Fifth Avenue
PO Box 601
Matheson, Ontario,
POK 1N0

Subject: Bridge #15 Repair Options Report
Red Deer Road East, Township Black River-Matheson

Introduction

EXP Services Inc. was retained by the Township of Black River-Matheson to conduct an OSIM review of Bridge #15 located approximately 1.1 km east of the intersection of Taylor 1 Road and Red Deer Road East, Black River-Matheson, Ontario. The subject bridge is located on Red Deer Road East approximately 1.1 km east of Taylor 1 Road and was inspected by EXP on Tuesday September 30, 2025, and Wednesday October 01, 2025. The bridge was found to be in poor condition and was immediately closed upon recommendation by EXP to the Township.

Following the recommendation for closure, the Township asked EXP to provide a report detailing three (3) options for a path forward including complete removal and replacement, complete removal without replacement and repair of members in poor condition.

The bridge is a three-span, single-lane double single bailey bridge. It has an overall length of 25 m, and gravel approaches on both ends. Its overall width is 4.35 m, providing a roadway width of 3.9 m and is oriented in an east–west direction. It has a load posting of 25 tonnes.

Existing Bridge

The existing bridge has several defects that led to the recommendation for closure. While some defects can be addressed quickly allowing the bridge to open again, other defects are more significant and require more involved repairs. Therefore, the repairs to re-open the bridge would target a short-term extension to the service life of five (5) years. The attached Ontario Structural Inspection Manual Report (OSIM report) describes the defects found on site and the repair option below gives additional details with photo references.

Options

EXP has prepared three (3) options complete with cost estimates for consideration by the Township. The options presented here are complete removal and replacement, complete removal without replacement and repair of members in poor condition. Each option has been prepared with an accuracy of +/- 25% and each includes a contingency. Detailed breakdowns of each option can be found in Appendix A.

1. Complete Removal and Replacement

A new bridge can be installed upon removal of the existing bridge. It is assumed that a single-lane replacement bridge would continue to suit the Township as traffic appears appropriate for this type of structure. The new bridge would match the existing span and be founded on new abutments extending below frost depth. Frost depth in the Matheson region is approximately 2.4 m below grade. A concrete abutment is assumed that supports a new modular bridge similar to the existing bridge. The piers below the bridge would be removed and cut to 500 mm below the river bottom, while the slopes between the abutment and river would be altered to suit and covered with rip-rap to prevent scouring by the river. The photo below shows a typical completed bridge of this type. See drawing SK-1 in Appendix B for a preliminary layout of the new bridge. The cost of this approach is estimated at \$1,001,000 which includes a 15% contingency.



Photo – 1 – Typical Modular Bridge on Concrete Abutment

2. Complete Removal

The bridge can be completely removed without installing a new bridge. This option allows the Township to negate any risks and costs involved with keeping the bridge in service and can be used as a permanent or temporary measure. If considered a temporary measure, this option allows the Township to plan for replacement at a time when the budget can withstand the cost and without continually spending money on a deteriorating asset. The detour around the bridge is 12.8 km. Alternatively, if permanent closure is not feasible due to residents frequently crossing the bridge another option will be required. The cost of this approach is estimated at \$60,500, which includes a 15% contingency.

3. Repair/Replacement of Poor Elements

As noted above, there are significant defects throughout this bridge. However, some of the defects are more immediate concerns, and if they are addressed the bridge can be re-opened. Although there are existing piers that are in partial contact with the bridge, and divide the span into three-spans, it appears that the bearing on the piers is inadequate for reliable load transfer. As such, the current load arrangement is unclear and requires confirmation by analysis and existing documentation.

The intention of the repairs discussed here are to re-open the bridge and extend the service life of the bridge by five (5) years to give the Township time to plan and budget for either more in-depth repairs or complete replacement at a later date. The defects and work that require immediate attention are:

- Replace 4 sets of stringers and diaphragms that have severe corrosion resulting in holes. (Photo 1 to 5). Ensure that new stringers fully bear on existing transoms (Photo 7);
- Repair broken welds at some connections (Photo 8);
- Replace worn and split wearing surface boards (approximately half the wearing surface) (Photo 9 to 11);
- Conduct a structural evaluation of the bridge.

Drawing SK-2 indicating the areas of repair is attached in Appendix B. While the defects noted on site are captured in the description and drawings, there is potential for increased quantities during the repair work as more defects may be when exposing previously inaccessible areas. Due to this the contingency for this option has been increased to 25%.

The longer-term defects include light to medium corrosion on all steel members. Rehabilitation of this type would require significant time and effort including removal of all existing paint/coatings and reapplying a coating. Additionally, there are repairs to the abutments and ballast walls all of which would likely result in the bridge being temporarily out of service. The bridge load posting of 25 tonnes would remain.

The cost of this approach is estimated at \$88,000.

Summary

The three (3) cost estimates for consideration by the Township are summarized in the table below. Each option was estimated with an accuracy of +/- 25%. A detailed breakdown of each cost is presented in Appendix A.

| Option | Cost |
|--|--------------|
| 1 – Complete bridge removal and replacement with new abutments | \$ 1,001,000 |
| 2 – Complete bridge removal with no replacement | \$ 60,500 |
| 3 – Replacement of poor elements | \$ 88,000 |

Table 1 – Cost Estimates

Closure

We trust the above is satisfactory for your consideration; however, should you have any questions, please do not hesitate to contact our office.

Best regards,



Mike Cornell, M. Eng., P.Eng.
Structural/Bridge Engineer

MHC/





Photo 1 – Holes in stringers on West side (1/5)



Photo 2 – Holes in stringers on West side (2/5)



Photo 3 – Holes in stringers on West side (3/5)



Photo 4 – Holes in stringers on West side (4/5)



Photo 5 – Holes in stringers on West side (5/5)



Photo 6 – Soffit – Looking East



Photo 7 – Corrosion on structural members

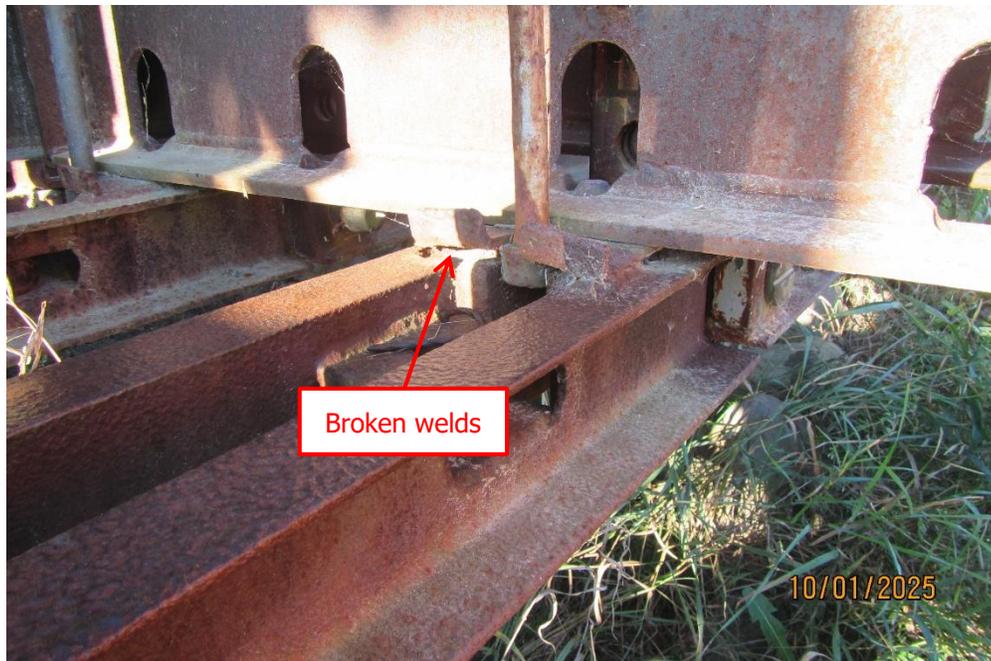


Photo 8 – Broken weld at connections



Photo 9 – Deck – Looking East



Photo 10 – Worn and split wearing surface boards



Photo 11 – Split wearing surface boards and deck chess boards



Photo 12 – Checks and splits in pier caps and piles



Photo 13 – West pier cap not bearing on pile



Photo 14 – East piles out-of-plumb



Photo 15 – North – Elevation



Photo 16 – South – Elevation

Appendix A



Cost Estimate

Township of Black River-Matheson

Bridge 15 - Option 1
Removal and Replacement

Project : NWL-25011743-00

Date : January 16, 2026

| No. | Item | Unit | Qty | Unit Price | Total |
|-----------------------------|----------------------------------|-------|-----|---------------|------------------------|
| Part A - Structure | | | | | |
| 1 | Engineering Costs | L.S. | 1 | \$ 79,000.00 | \$ 79,000.00 |
| 2 | Mobilization and Demobilization | L.S. | 1 | \$ 25,000.00 | \$ 25,000.00 |
| 3 | Removal of Bridge Structure | L.S. | 1 | \$ 32,600.00 | \$ 32,600.00 |
| 4 | Rock Protection | m2 | 112 | \$ 100.00 | \$ 11,200.00 |
| 5 | Small Signs, Ground Mounted, New | each | 4 | \$ 1,500.00 | \$ 6,000.00 |
| 6 | Earth Excavation for Structure | cu.m | 660 | \$ 60.00 | \$ 39,600.00 |
| 7 | Dewatering Structure Excavations | L.S. | 1 | \$ 70,000.00 | \$ 70,000.00 |
| 8 | Granular A (Bedding only) | tonne | 440 | \$ 35.00 | \$ 15,400.00 |
| 9 | Granular Backfill to Structure | tonne | 870 | \$ 40.00 | \$ 34,800.00 |
| 10 | Concrete in Footings | m3 | 24 | \$ 2,000.00 | \$ 48,000.00 |
| 11 | Concrete in Substructure | m3 | 32 | \$ 2,500.00 | \$ 80,000.00 |
| 12 | Reinforcing Steel Bar | tonne | 4 | \$ 3,500.00 | \$ 14,000.00 |
| 13 | Bearings | each | 4 | \$ 3,000.00 | \$ 12,000.00 |
| 14 | Modular Bridge Supply | L.S. | 1 | \$ 230,000.00 | \$ 230,000.00 |
| 15 | Modular Bridge Installation | L.S. | 1 | \$ 172,500.00 | \$ 172,500.00 |
| Sub-Total | | | | | \$ 870,100.00 |
| Part B - Contingency | | | | | |
| 16 | 15% Contingency | L.S. | 1 | \$ 130,515.00 | \$ 130,515.00 |
| Total | | | | | \$ 1,000,615.00 |
| Total (Rounded) | | | | | \$ 1,001,000.00 |



Cost Estimate

| | |
|---|--|
| Township of Black River-Matheson Bridge 15 - Option 2 Removal | Project : NWL-25011743-00 Date : January 16, 2026 |
|---|--|

| No. | Item | Unit | Qty | Unit Price | Total |
|-----------------------------|---------------------------------|------|-----|--------------|---------------------|
| Part A - Structure | | | | | |
| 1 | Mobilization and Demobilization | L.S. | 1 | \$ 10,000.00 | \$ 10,000.00 |
| 2 | Removal of Bridge Structure | L.S. | 1 | \$ 32,600.00 | \$ 32,600.00 |
| 3 | Site Restoration | L.S. | 1 | \$ 10,000.00 | \$ 10,000.00 |
| Sub-Total | | | | | \$ 52,600.00 |
| Part B - Contingency | | | | | |
| 4 | Contingency | L.S. | 1 | \$ 7,890.00 | \$ 7,890.00 |
| Total | | | | | \$ 60,490.00 |
| Total (Rounded) | | | | | \$ 60,500.00 |



Cost Estimate

| | |
|---|--|
| Township of Black River-Matheson Bridge 15 - Option 3 Repair | Project : NWL-25011743-00 Date : January 16, 2026 |
|---|--|

| No. | Item | Unit | Qty | Unit Price | Total |
|-----------------------------|------------------------------------|------|-----|--------------|---------------------|
| Part A - Structure | | | | | |
| 1 | Engineering Costs and Evaluation | L.S. | 1 | \$ 15,000.00 | \$ 15,000.00 |
| 1 | Mobilization and Demobilization | L.S. | 1 | \$ 15,000.00 | \$ 15,000.00 |
| 2 | Remove and Replace Stringers | L.S. | 1 | \$ 21,000.00 | \$ 21,000.00 |
| 3 | Remove and Replace Wearing Surface | m2 | 45 | \$ 375.00 | \$ 16,875.00 |
| 4 | Repair damaged welds | each | 3 | \$ 800.00 | \$ 2,400.00 |
| Sub-Total | | | | | \$ 70,275.00 |
| Part B - Contingency | | | | | |
| 5 | 25% Contingency | L.S. | 1 | \$ 17,568.75 | \$ 17,568.75 |
| Total | | | | | \$ 87,843.75 |
| Total (Rounded) | | | | | \$ 88,000.00 |



Appendix B



