City of St. Catharines
50 Church St., P.O. Box 3012,
St. Catharines, ON
L2R 7C2

February 5th, 2026

Structural Condition Assessment – Overhead Utility Bridge
282 Ontario Street, St. Catharines

An independent structural condition assessment of the steel-truss supported overhead utility bridge located at 282 Ontario Street was completed by Kalos Engineering Inc., a licensed professional engineering firm in Ontario. The inspection was conducted on January 28, 2026, using an articulated boom lift to allow full visual access to the structure. The review focused exclusively on the bridge's structural framing and integrity.

The engineer observed that the bridge, estimated to be approximately 25 years old, is well-constructed and remains in good overall structural condition. No visible signs of corrosion, deterioration, rust, or section loss were identified. The steel truss members, connections, supports, walking surface, and guardrails were found to be sound. Based on the conditions observed at the time of inspection, no remedial or repair work is recommended. Both vehicular and pedestrian access beneath the bridge are considered safe.

This inspection and report were conducted by an independent professional engineering firm acting in accordance with the standards, ethics, and regulatory requirements governing licensed engineers in Ontario. Professional engineers are legally obligated to provide objective, evidence-based findings and to uphold strict principles of public safety, accuracy, and professional integrity. The conclusions presented reflect the engineer's independent professional judgment and are not influenced by any external party.

The complete findings, observations, recommendations, and limitations are detailed in the attached report prepared by Kalos Engineering Inc.

Sincerely,

Gordon Martin
1001357722 Ontario Inc.

February 3, 2026
Our file: 26013

1001357722 Ontario Inc.

Dear Sir/Madame,

Re: 282 Ontario Street, St.Catharines – Overhead Utility Bridge Structural Condition Assessment

Further to your request, we have assessed the condition of the steel-truss supported overhead utility bridge at 282 Ontario Street in St. Catharines. The primary concern is the structural integrity and condition of the bridge. A site inspection was completed by Kalos Engineering Inc. on January 28, 2026. Access to the bridge was provided by an articulated boom lift.

No existing drawings were available for review. The bridge appears to have replaced an old services bridge in the early 2000s. Remains of the old bridge are present at the west end. The bridge is approximately 40' high and 130' long.

Our review focused exclusively on the framing of the bridge, with the focus on the structural integrity of the existing structure. No analysis was performed and no other portions of the structure were examined unless explicitly noted. Please refer to the attached limits of liability.

Observations

- The bridge appears to be approximately 25 years old. The overall construction of the bridge appears to be good, and the bridge was generally in good condition at the time of inspection.
- There were no visible signs of rust, deterioration, or section loss on the bridge.
- The bridge consists of 16 panel points, each measuring approximately 98" wide and 84" high. There is a splice connection between the 7th and 8th panel points from the west end. The bridge is supported by a freestanding steel braced frame tower between the 12th and 13th panel points, beyond which the bridge cantilevers (Photo 8).
- The west end of the bridge bears on the existing steel framing of the former services bridge located on the roof of the existing building west of Ontario Street. (Photo 7).
- The bridge frame is constructed of circular HSS steel members, with the primary horizontal chords consisting of 6" diameter tubes and the vertical and diagonal bracing consisting of 3.5" diameter tubes.
- The bridge consists of a 29" wide 19-W-4 steel grating walking surface, continuous steel guardrails, and maintenance access ladders.
- There were no pipes or services on the bridge.
- The existing bridge foundations were not visible at the time of inspection.

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Recommendations

Based on the observed condition of the bridge at the time of inspection, no remedial work is recommended. Due to the open nature of the structure, no signage is permitted on the bridge.

In the event that the existing building west of Ontario Street is demolished, the bridge is to be removed prior to any demolition activities.

It is recommended that a follow-up structural condition assessment is completed in 5 years to monitor the condition of the bridge.

The overhead utility bridge is structurally sound and in good condition. Both vehicle and pedestrian access below the bridge is safe given its condition.

We trust that this is acceptable to you. Please do not hesitate to call if you have any questions.

Yours very truly,

Kalos Engineering Inc.

Project No. 26013

Per: JP Campana, P. Eng.
President, Senior Structural Engineer

Ryan Hartley
Structural Designer (Co-op)

JPC/RH/vdm
Enclosures
Appendix A: Photos 1 to 8
Appendix B: Limitations

Appendix A

Photo 1 – Walkway and Guardrails

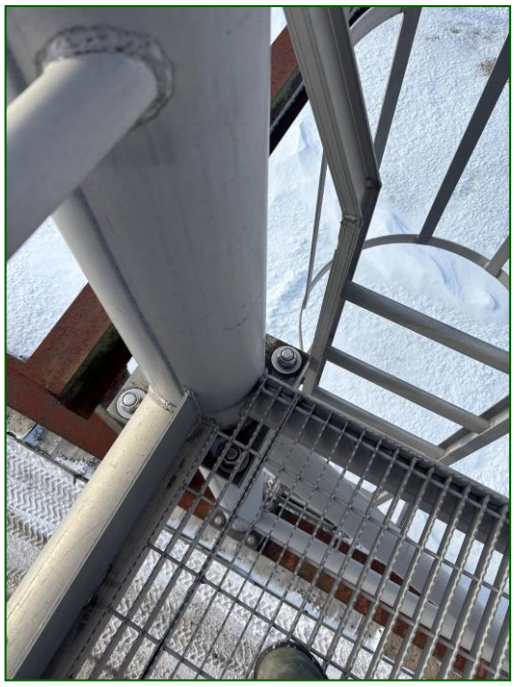

Photo 3 – West End Access Ladder

Photo 2 – West End Support

Photo 4 – East End Support

Photo 5 – East End Support and Foundation

Photo 7 – West End

Photo 6 – Typical Truss

Photo 8 – East End

Appendix B

Limitations

No party other than the Client shall rely on the Consultant's work without the express written consent of the Consultant. The scope of work and related responsibilities are defined in the Conditions of Assignment. Any use which a third party makes of this work, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Decisions made or actions taken as a result of our work shall be the responsibility of the parties directly involved in the decisions or actions. Any third party user of this report specifically denies any right to any claims, whether in contract, tort and/or any other cause of action in law, against the Consultant (including Sub-Consultants, their officers, agents and employees).

The work reflects the Consultant's best judgement in light of the information reviewed by them at the time of preparation. Unless otherwise agreed in writing by Kalos Engineering Inc., it shall not be used to express or imply warranty as to the fitness of the property for a particular purpose. This is not a certification of compliance with past or present regulations. No portion of this report may be used as a separate entity; it is written to be read in its entirety.

This work does not wholly eliminate uncertainty regarding the potential for existing or future costs, hazards or losses in connection with a property. No physical or destructive testing and no design calculations have been performed unless specifically recorded. Conditions existing but not recorded were not apparent given the level of study undertaken. Only conditions actually seen during examination of representative samples can be said to have been appraised and comments on the balance of the conditions are assumptions based upon extrapolation. Kalos Engineering Inc. can perform further investigation on items of concern if so required.

Only the specific information identified has been reviewed. The Consultant is not obligated to identify mistakes or insufficiencies in the information obtained from the various sources or to verify the accuracy of the information.

Kalos Engineering Inc. is not investigating or providing advice about pollutants, contaminants or hazardous materials. The Client and other users of this report expressly deny any right to any claim, including personal injury claims which may arise out of pollutants, contaminants or hazardous materials, including but not limited to asbestos, mould, mildew or other fungus.

Applicable codes and design standards may have undergone revision since the subject property was designed and constructed. As a result design loads (particularly loading from occupancy, snow, wind, rain and seismic loads) and the specific methods of calculating capacity of the system to resist these loads may have changed significantly. Unless specifically included in our scope, no calculations or evaluations have been completed to verify compliance with current building codes and design standards.

Budget figures are our opinion of a probable current dollar value of the work and are provided for approximate budget purposes only. Accurate figures can only be obtained by establishing a scope of work and receiving quotes from suitable contractors.

Time frames given for undertaking work represent our opinion of when to budget for the work. Failure of the item, or the optimum repair/replacement process, may vary from our estimate.