

PUBLIC INFORMATION CENTRE

William St. Bridge Rehabilitation & King St. West Culvert Replacement



December 7, 2023

WELCOME

Welcome to the Public Information Centre for improvements to the William Street bridge and replacement of a structural culvert on King Street West.

The purpose of this Public Information Centre is:

- To summarize the existing conditions at the William St. Bridge location and King St. West Culvert.
- To describe the solutions to address the deteriorated condition of the structures.
- To provide an opportunity for the public to discuss and provide comments on the preliminary preferred alternative for each location.

Members of the Town of Cobourg and their consultant, Ainley Group, are working as a team to complete the detail design process and are available to discuss the project with you.

Project details and information about the process and findings are presented on display boards. Please review the information and feel free to ask any questions you may have.

You are encouraged to fill out a comment sheet.



PROJECT LOCATION PLAN



STUDY PURPOSE & BACKGROUND

Study Purpose and Background.

The William Street Bridge is located over Cobourg Creek, and was constructed in 1965. Based on the findings of a 2022 structural inspection (OSIM), the existing condition of the William St. Bridge is such that rehabilitation is required to ensure continued safety for the travelling public.

The King Street W. culvert is a structural plate corrugated steel pipe ellipse (4.8 m x 2.5 m) that was constructed in the 1970's. Replacement of the King Street W. culvert is warranted as it is currently in overall poor condition per the Bridge Condition Index identified within the last structural inspection.

Rehabilitation and replacement options at each location will consider the future needs of the corridor including platform widening to accommodate sidewalk and a multi-use path at William St., and sidewalk and bike lanes at the King Street W. location.



MUNICIPAL CLASS EA / CONSULTATION

- Municipal Class Environmental Assessment (MCEA):
 - Per the 2023 MCEA, works at both structures are considered to be exempt from the MCEA and *Environmental Assessment Act*, based on the anticipated scope of work and subsequent Cultural Heritage Screening.
- Consultation for Notice of Public Information Centre
 - Mailed to regulatory agencies and Indigenous Groups with potential interest in the project.
 - Mailed to emergency services, local school boards, and student transportation services.
 - Mailed to residents in proximity to William Street Bridge and King St. W. culvert location.
 - Published in local newspaper(s).
 - Posted on the Town of Cobourg website.

SUPPORTING STUDIES FOR THE PROJECT

Traffic Considerations



William Street Bridge accommodates traffic on a four-lane road with moderate traffic flow. The primary goal of traffic management is to ensure the availability of one lane in each direction during each respective phase of rehabilitation.

King Street West is a collector road with two lanes of traffic that provides for the only access to the Pebble Beach area of Cobourg (approximately 105 homes). Removal and replacement of the structure will be via staged construction with one lane open at all times for vehicular traffic.



Built Heritage / Archaeology Study

The William Street Bridge was screened using the MCEA checklist for Heritage Bridges and was found to not represent significant cultural heritage value. A Stage 1 and 2 archaeological assessment was carried out for the King St. W. culvert location. No impacts to archaeological resources are anticipated from the project works.



Natural Heritage

Field reviews for fish habitat and other environmental features has been completed. Timing windows for in-water work and erosion and sediment control mitigation will be implemented to ensure no impacts to each of the respective watercourses and fish and fish habitat.

William Street Bridge – Proposed Rehabilitation

Structure Rehabilitation with Widening for Multi-Use Path

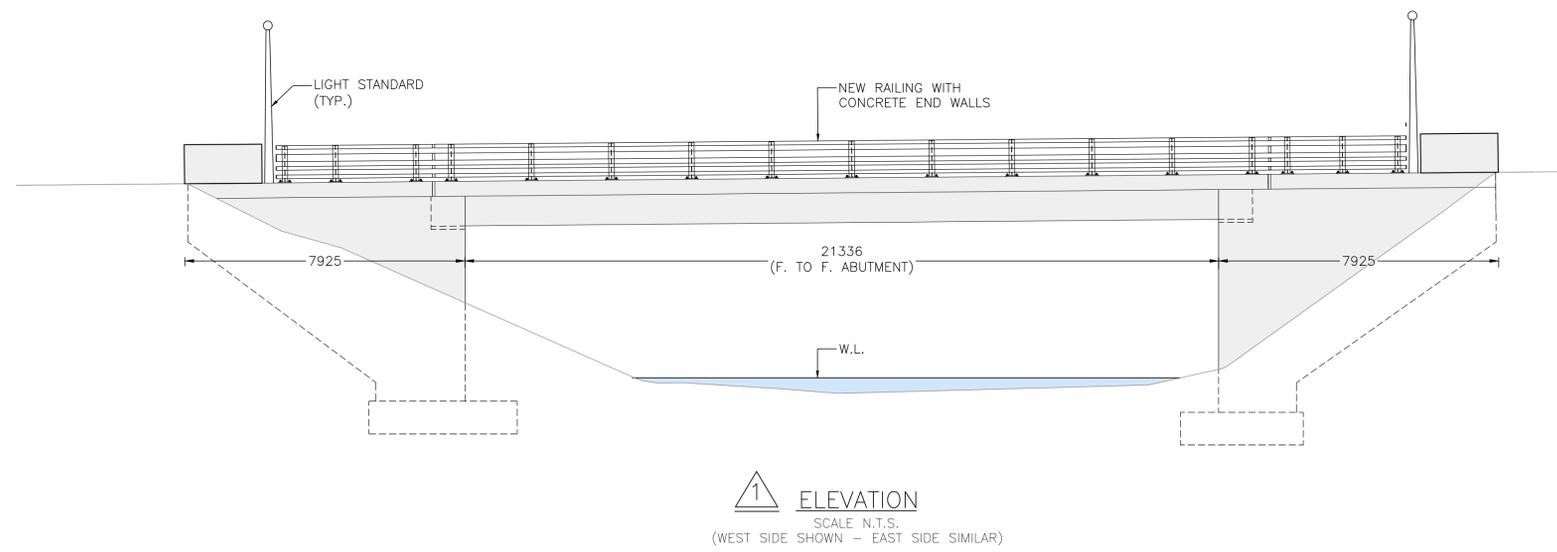
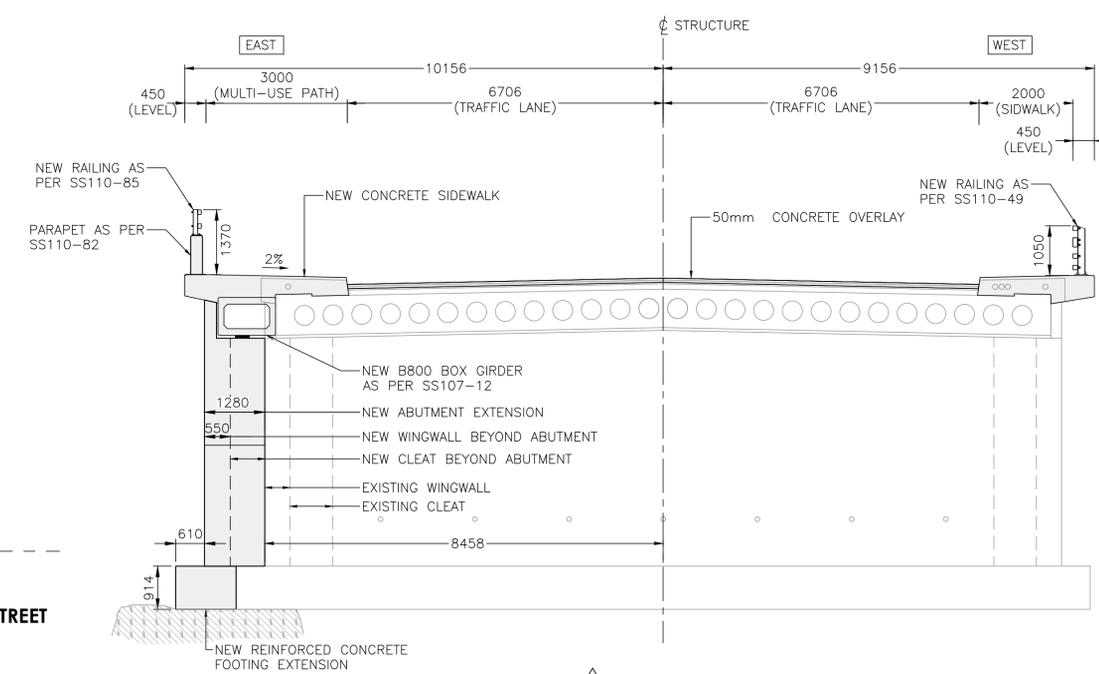
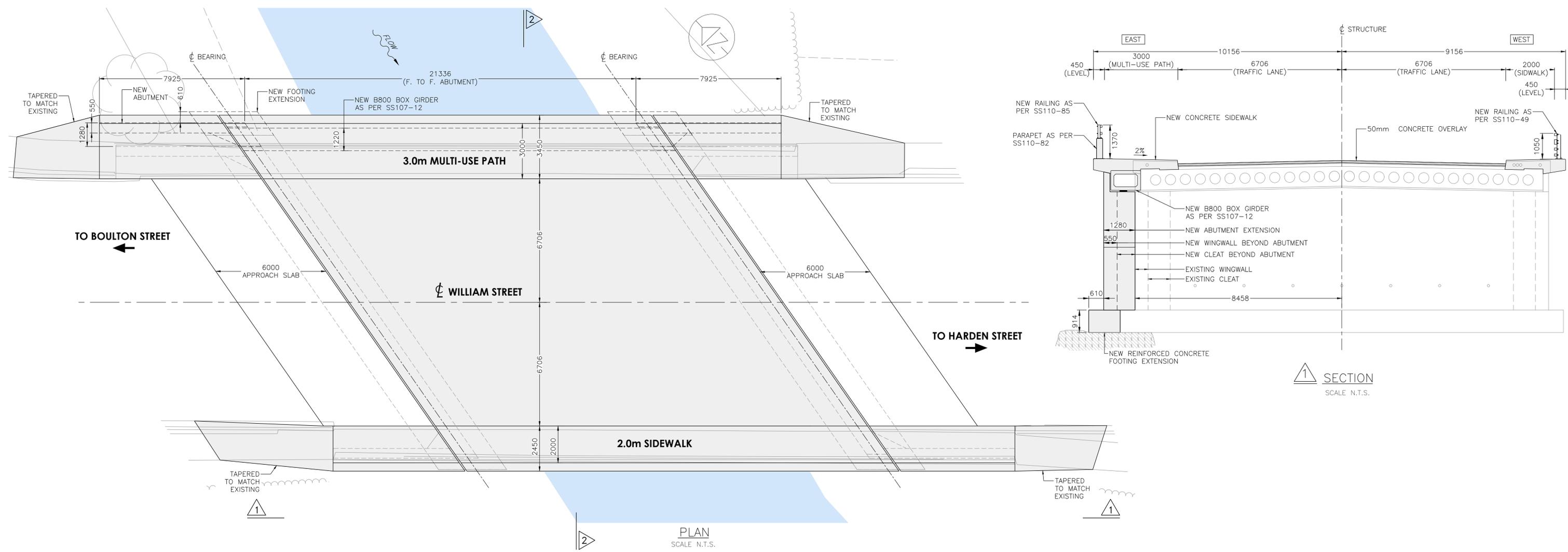
Design Features / Improvements:

- Widening of existing abutment walls and placement of additional precast box-beam to support a new 3 metre (m) multi-use path on the east side of the structure. No modifications to the creek or watercourse are required; however, side slopes will have rock protection for stability where warranted.
- Widening of the deck surface to allow for a widened sidewalk (2 m) on the west side of the structure.
- Concrete repairs to abutment walls / exterior surface where required and 50 mm concrete overlay of bridge deck.
- New bridge railings.
- Three-stage rehabilitation / traffic management during construction. Two lanes of traffic will be maintained at all times.

Duration of Work / Construction Cost Estimate:

- Anticipated construction duration is 20 – 24 weeks, in the 2024 construction season.
- Construction cost estimate is \$1.8 million.

WILLIAM STREET BRIDGE REHABILITATION



King St. W. Culvert – Proposed Replacement

Pre-Cast Rigid Frame Concrete Box Culvert

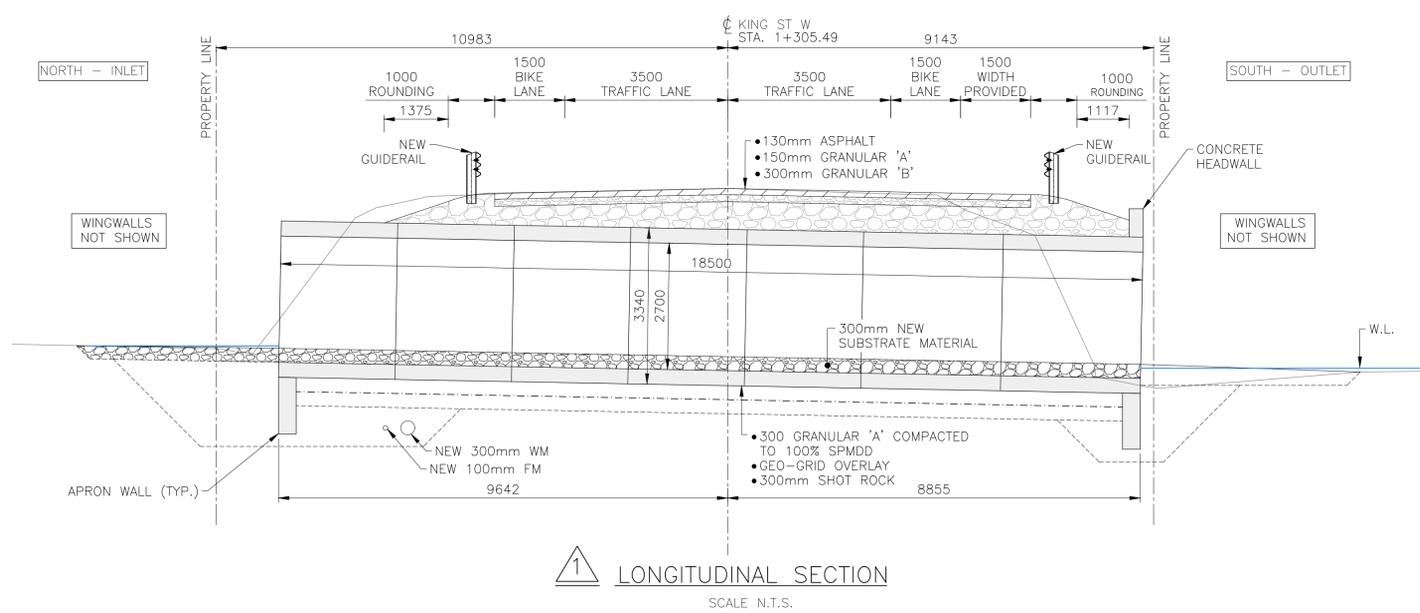
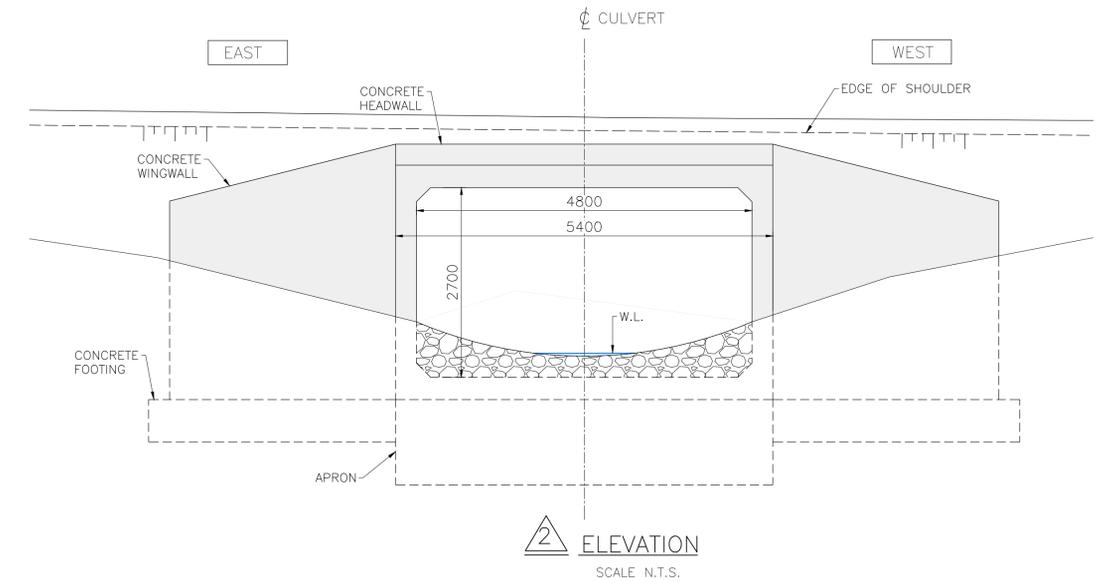
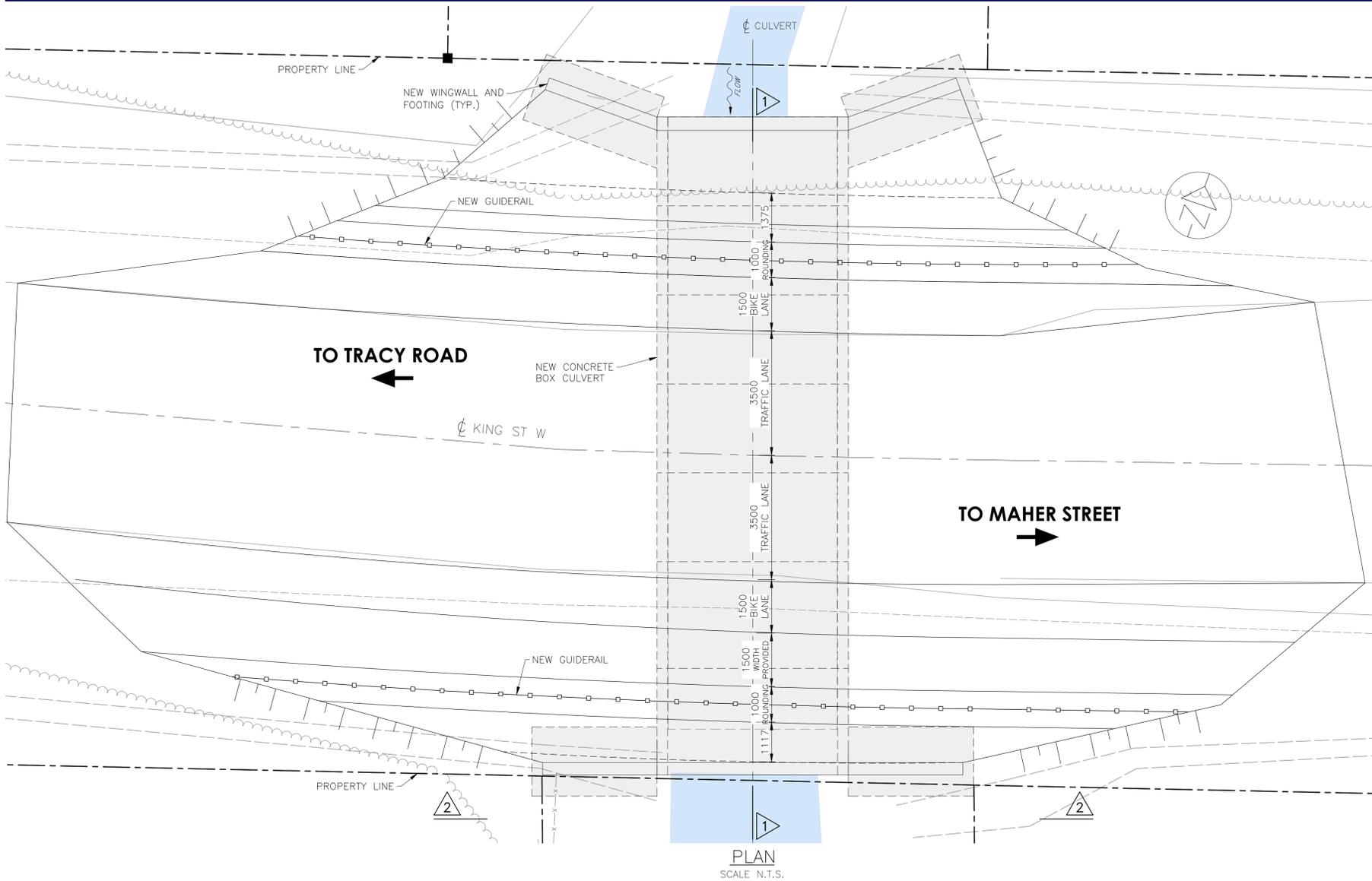
Design Features / Improvements:

- Replacement of existing 17.5 m long structural plate corrugated steel pipe ellipse with an 18.0 m long pre-cast concrete box culvert with wing-walls.
- The replacement will support a widened road platform to accommodate 3.5 m wide travelled lanes, 1.5 m wide bike lanes, and width for a 1.5 m wide sidewalk on the south side of the structure.
- The culvert will be countersunk with waterbody / streambed materials placed along the culvert bottom to promote a naturalized channel.
- Installation of a new sanitary force-main and new watermain beneath the structural culvert during construction.
- A minimum of one-lane of traffic will be maintained at all times during construction, and will be managed by temporary signals and/or flagging.

Duration of Work / Construction Cost Estimate:

- Anticipated construction duration is 10 – 12 weeks, in the 2025 construction season.
- Construction cost estimate is \$ 1.66 million.

KING STREET WEST CULVERT REPLACEMENT



SUMMARY AND NEXT STEPS

Next Steps:

Upon completion of the Public Information Centre, the following steps will be taken:

- Review any comments received.
- Refine the design for both the William Street Bridge and King Street Culvert.
- Finalize detail design and proceed with tendering and construction, pending funding and approvals, per the following anticipated timelines:
 - William Street Rehabilitation – Anticipated construction in **2024**.
 - King St. W. Culvert – Anticipated construction in **2025**.

COMMENTS

Comments and information regarding the proposed projects are being collected to assist in meeting the requirements of the *Environmental Assessment Act*. The collection of comments and information will be conducted in accordance with the *Freedom of Information and protection of Privacy Act*. Comments will be maintained on file for use during the Study and may be included in the Study documentation. With the exception of personal information, all comments will become part of the public record.

If you wish to comment or have any questions, please fill out a comment sheet or provide written comments to the contacts below no later than **December 21, 2023.**

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Thank you for your participation in this public meeting.